

Note: This is a reference cited in *AP 42, Compilation of Air Pollutant Emission Factors, Volume I Stationary Point and Area Sources*. AP42 is located on the EPA web site at www.epa.gov/ttn/chief/ap42/

The file name refers to the reference number, the AP42 chapter and section. The file name "ref02_c01s02.pdf" would mean the reference is from AP42 chapter 1 section 2. The reference may be from a previous version of the section and no longer cited. The primary source should always be checked.

Background Report Reference

AP-42 Section Number: 12.20

Background Chapter: 4

Reference Number: 72

Title: Chromium and Hexavalent Chromium
Emissions Testing

Del Manufacturing

August 1991

BTC ENVIRONMENTAL
INCORPORATED

AP-42 Section 2.20
Reference
Report Sect. 4
Reference 72

91 Nov -7 AM 1:48

November 2, 1991

Ventura County APCD
702 County Square Dr.
Ventura, CA 93003
Attn: Nader Aghdaie

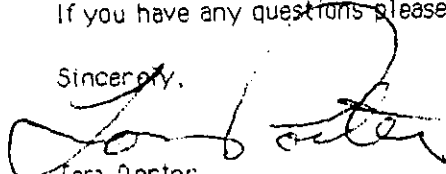
Re: Addendum to Del Manufacturing Test Report (Lab #29)

Dear Mr. Aghdaie:

Please find attached the QA information you requested. There is a calibration curve of concentration vs absorbance and the inhouse work sheets for the analysis.

If you have any questions please contact me at 805-644-1095.

Sincerely,



Tom Porter
Vice President - Air Test Division

cc. West Coast Environmental
Attn: Reese Martin

ELECTROLESS PLATING

EMISSIONS BELOW
DETECTION LIMIT

CANNOT USE

BTC ENVIRONMENTAL
INCORPORATED

AP-42 Section 12.20
Reference
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91 NOV - 7 AM 1:48

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Ventura County APCD
702 County Square Dr.
Ventura, CA 93003
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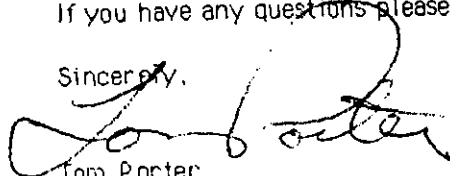
Re: Addendum to Del Manufacturing Test Report (Lab #291-135)

Dear Mr. Aghdaie:

Please find attached the QA information you requested. There is a calibration curve of concentration vs absorbance and the inhouse work sheets for the analysis.

If you have any questions please contact me at 805-644-1095.

Sincerely,



Tom Porter
Vice President - Air Test Division

cc. West Coast Environmental
Attn: Reese Martin

ELECTROLESS PLATING

EMISSIONS BELOW
DETECTION LIMIT

CANNOT USE

Abs.

0.050

0.040

0.030

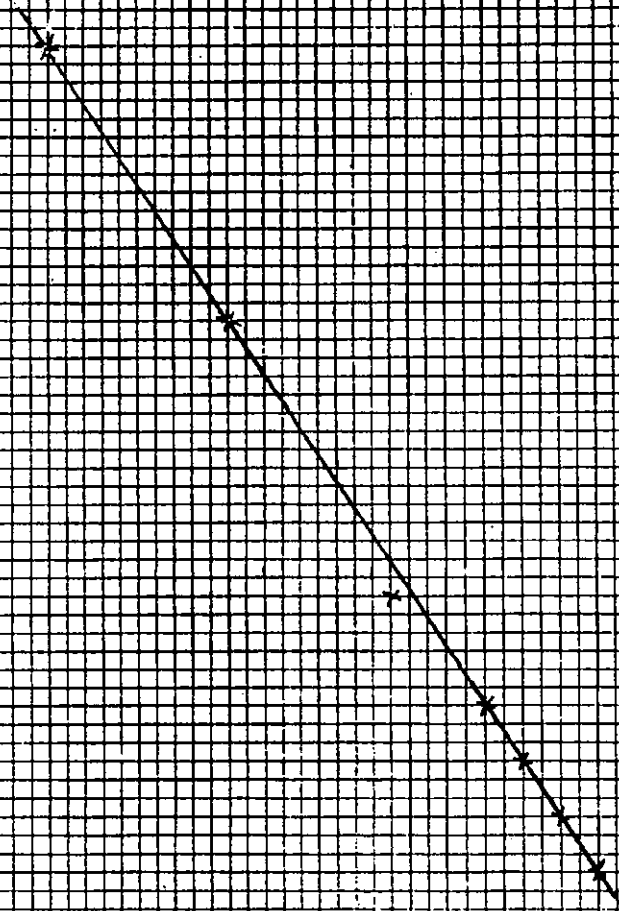
0.020

0.010

0.5 μ g - 0.010
0.6 μ g - 0.012
0.7 μ g - 0.014
0.8 μ g - 0.016

1.5 μ g - 0.030
2.0 μ g - 0.040

CONCENTRATION OF Cl^{+6} 2.0
METHOD CARB 425



TEST DESIGNATION:

QA/IA; OEPA; OASTH; OOTIER

Wavelength, nm:

Tube size: 1 cu

Comp. of blank:

Date: 3 June 91 Operator: Cg

Comments:

μ g Cl^{+6} in 50 (35) ml.

2. MAKE THE SAMPLES.

CMA 425 CR⁺6

WED. SEPT 24-91

142
574

1688 - 2

- 2 DUP

- 2 SPK

- 2 SPK DUP

- 4

- 6

- 8

- 10

- 12

- 14

- 16

SD

BLK

Sample
size
36ml

ABS

0.000

-0.001

0.016

0.017

+0.000

-0.002

0.000

-0.004

0.001

0.002

-0.002

0.019

- 0 .

142

27

145

145

145

DEL MANUFACTURING
950 RICHMOND AVENUE
OXNARD, CA 93030
Attn: Mike Delgado

**CHROMIUM AND HEXAVALENT CHROMIUM
EMISSIONS TESTING**

**Del Manufacturing
Oxnard Facility**

August 29-30, 1991

Prepared By:

BTC ENVIRONMENTAL, INC.
1536 Eastman Avenue
Ventura, CA 93003

Job Number
4024

Laboratory Report Number
291-135

Test Team Leader
Mark R. Patrick

Results Verified By
Tom Porter

BTC ENVIRONMENTAL
INCORPORATED

**SUMMARY OF SOURCE TEST RESULTS
DEL MANUFACTURING, OXNARD
AUGUST 29-30, 1991**

Cold Chromate Conversion Dip Hood Exhaust

<u>Constituents</u>	<u>Run 1</u> August 29	<u>Run 2</u> August 29	<u>Run 3</u> August 30
Total Chromium			
grams	<0.000007	<0.000006	<0.000006
grain/dscf	<0.0000009	<0.0000007	<0.0000008
lb / hr	<0.0000165	<0.0000134	<0.0000143
Hexavalent Chromium			
grams	<0.000009	<0.000009	<0.000008
grain/dscf	<0.0000011	<0.0000011	<0.0000010
lb / hr	<0.0000212	<0.0000202	<0.0000191

Avg of 3 runs = 2.012×10^{-5}

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I. INTRODUCTION