

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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February 21, 2002

Bruce Page, Project Manager  
Bruce Page Consulting  
439 Kearney Street  
El Cerrito, CA 94530

Dear Mr. Page:

Included are the results from the testing of material submitted on February 8, 2002 from your Clovatorium project. The product sample submitted for forensic evaluation arrived in good condition. Upon its arrival, the sample SOMA-4 was assigned our laboratory project number 202063 and was placed in a refrigerator maintained at 4°C until removed for sample processing.

The sample SOMA-4 was diluted and analyzed using a gas chromatograph with a flame ionization detector (GC/FID) and an electron capture detector (ECD). The data generated yielded information on the boiling range and general chemical composition of the material present. The GC/FID and GC/ECD traces are enclosed. A GC/FID trace of a standard consisting of normal alkanes is also provided for reference purposes.

As requested, we have also reviewed the report issued by Friedman & Bruya, Inc. (F&B) on February 3, 2000 for your 6895.00 project. This report consisted of GC/FID/ECD results generated for the samples CT#143612-011 B-8 and CT#143612-012 B-3. The purpose of this review was to provide a comparison of chemical composition of the material found in the samples CT#143612-011 B-8, CT#143612-012 B-3, and SOMA-4.

Based on the data generated, the samples CT#143612-011 B-8, CT#143612-012 B-3, and SOMA-4 contain low boiling material such as Stoddard solvent. The GC/FID trace of the sample SOMA-4 shows a dominant pattern of peaks consistent with the normal alkanes. The samples CT#143612-011 B-8 and CT#143612-012 B-3 show an apparent low level or absence of normal alkanes. The presence of normal alkanes indicates that the fuel present has not undergone substantial degradation. This suggests that the fuel present in the sample SOMA-4 may be due to a newer release than that present in the samples CT#143612-011 B-8 and CT#143612-012 B-3.

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Bruce Page  
February 21, 2002  
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Please contact us if additional consultation is needed by our firm in the interpretation of the analytical results provided. We appreciate this opportunity to be of service to you and hope you will call if you should have any questions. We will hold your samples for 30 days before disposal unless directed otherwise.

Sincerely,

FRIEDMAN & BRUYA, INC.

A handwritten signature in black ink, appearing to read 'Kurt Johnson', with a long horizontal line extending to the right.

Kurt Johnson  
Chemist

Enclosures  
NAA0221R.DOC

Date of Report: 02/21/02  
Date Received: 02/08/02  
Project: Clovatorium  
Date Extracted: 02/12/02  
Date Analyzed: 02/12/02

**RESULTS FROM THE ANALYSIS OF THE PRODUCT SAMPLE  
FOR FORENSIC EVALUATION  
BY CAPILLARY GAS CHROMATOGRAPHY  
USING A FLAME IONIZATION DETECTOR (FID)  
AND ELECTRON CAPTURE DETECTOR (ECD)**

Sample ID

GC Characterization

SOMA-4

The GC trace using the flame ionization detector (FID) showed the presence of low boiling compounds. The pattern displayed by these peaks is indicative of Stoddard solvent.

The low boiling compounds appear as a ragged pattern of peaks on top of a hump or unresolved complex mixture (UCM). This material elutes from *n*-C<sub>8</sub> to *n*-C<sub>12</sub> showing a maximum near *n*-C<sub>10</sub>. This correlates with a temperature range of approximately 130°C to 220°C with a maximum near 170°C. Within this range, the GC/FID trace showed the presence of peaks which are indicative of the normal alkanes.

The large peak seen near 25 minutes on the GC/FID trace is pentacosane, added as a quality assurance check for this GC analysis. There is a second surrogate present that is seen on the GC/ECD trace at about 26 minutes which is dibutyl chlorendate.

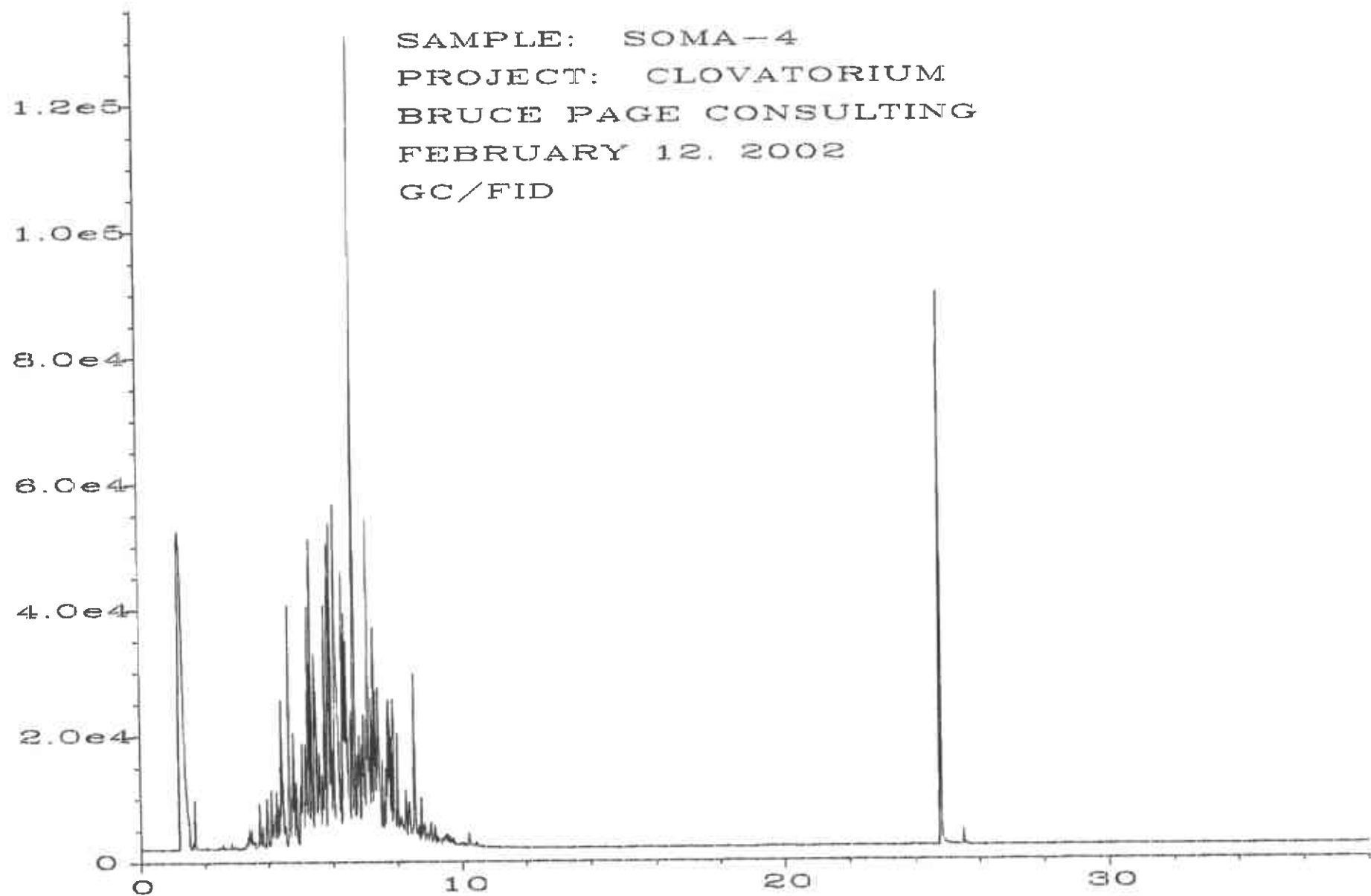


Fig. 1 in C:\HPCHEM\1\DATA\02-12-02\012F0501.D

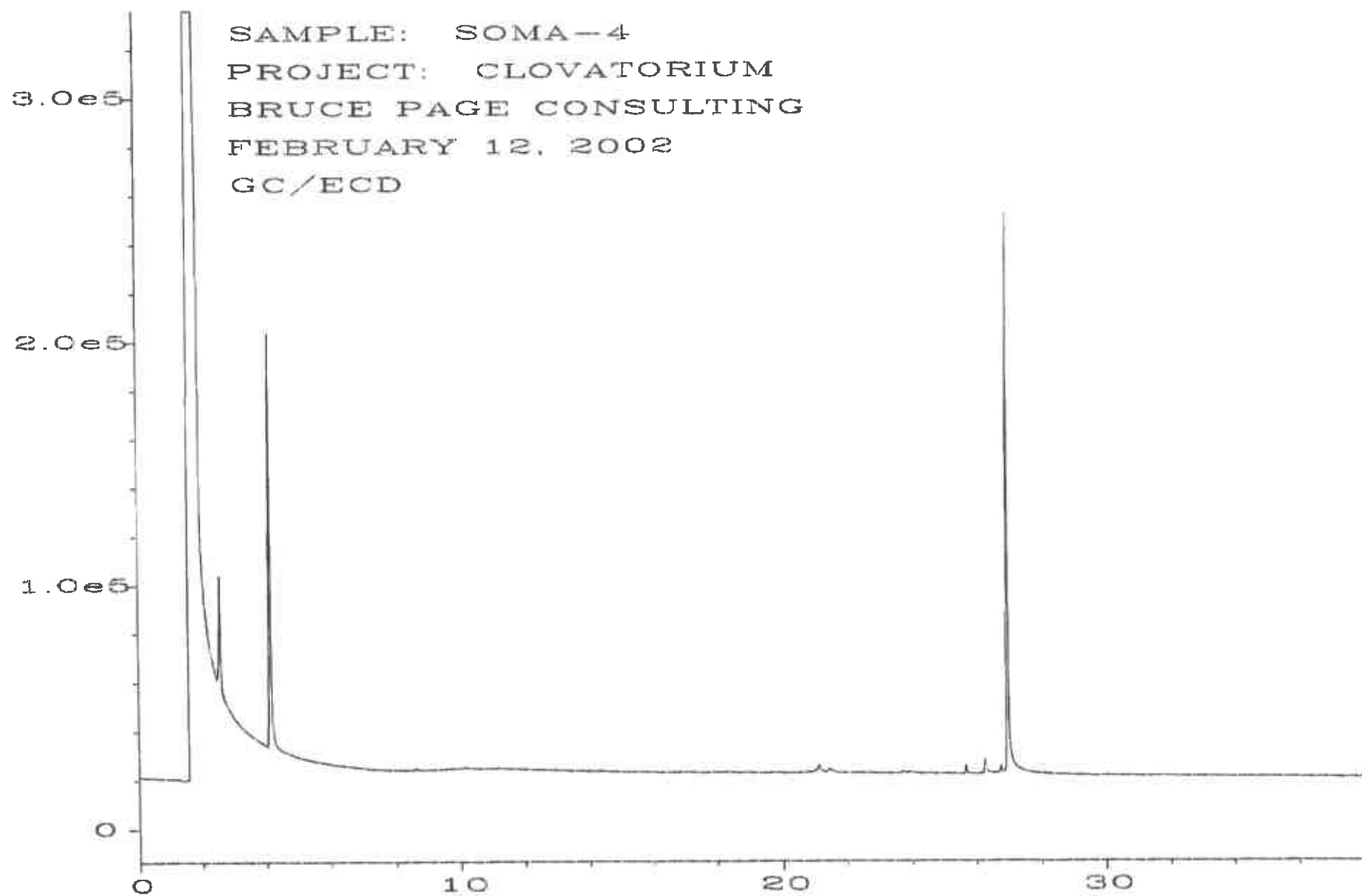


Fig. 2 in C:\HPCHEM\1\DATA\02-12-02\012R0501.D

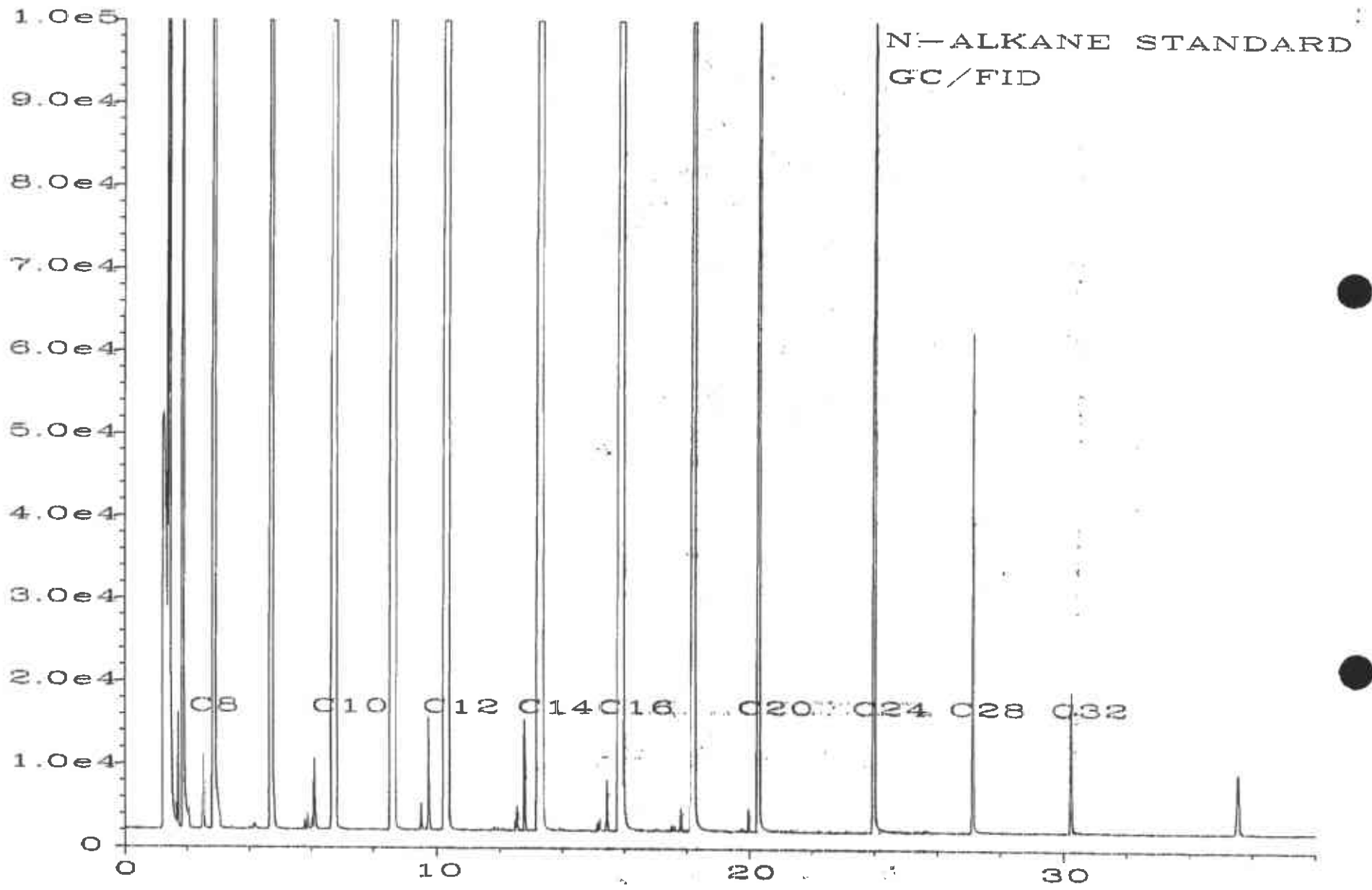
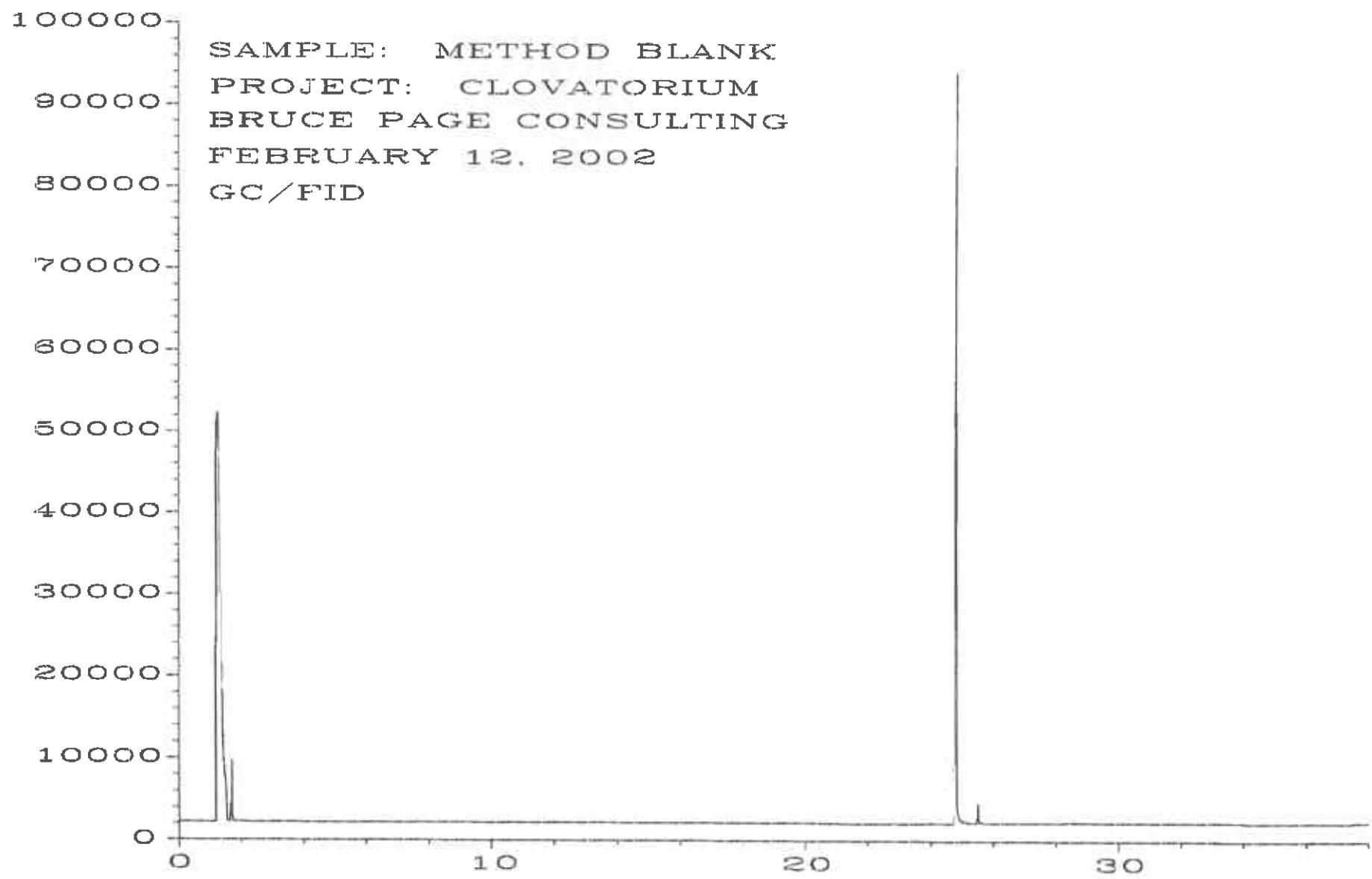


Fig. 1 in C:\HPCHEM\1\DATA\02-12-02\100F1001.D



Sig. 1 in C:\HPCHEM\1\DATA\02-12-02\002F1201.D

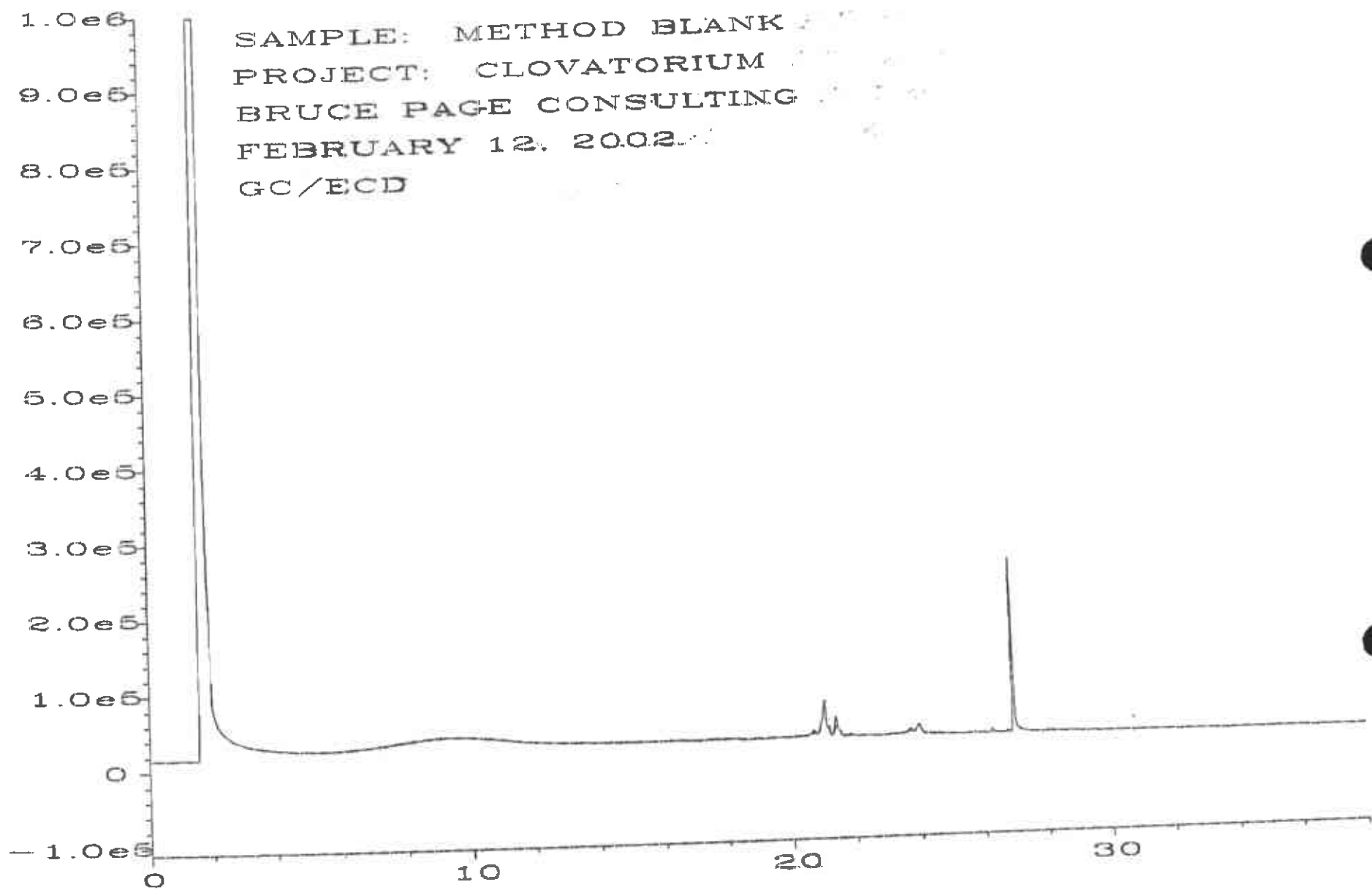


Fig. 2 in C:\HPCHEM\1\DATA\02-12-02\002R1201.D



202062

1-1 4/8/02 410

SAMPLE CHAIN OF CUSTODY

Send Report To Bruce Page  
Company Bruce Page Consulting  
Address 439 Kearney Street  
City, State, ZIP El Cerrito, CA 94530  
Phone # 510-526-4650 Fax # 510-526-4650

|  |      |
|--|------|
| SAMPLERS (signature) <u>Naser Pakrou</u> |      |
| PROJECT NAME/NO.<br><u>Clovatorium</u>   | PO # |
| REMARKS                                  |      |

Page # \_\_\_\_\_ of \_\_\_\_\_

TURNAROUND TIME  
 Standard (2 Weeks)  
 RUSH  
 Rush charges authorized by: \_\_\_\_\_

SAMPLE DISPOSAL  
 Dispose after 80 days  
 Return samples  
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED |              |               |              |               |     |              |             |        |  | Notes |  |  |  |  |  |  |  |  |  |
|-----------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--------------|-------------|--------|--|-------|--|--|--|--|--|--|--|--|--|
|           |        |              |              |             |                 | TPH-Diesel         | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HPS | Finger Print | Sealed Soln | Agging |  |       |  |  |  |  |  |  |  |  |  |
| SOMV-4    | 01     | 1/31/02      | 3:20         | Gasoline    | 2               |                    |              |               |              |               |     |              |             |        |  |       |  |  |  |  |  |  |  |  |  |
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|           |        |              |              |             |                 |                    |              |               |              |               |     |              |             |        |  |       |  |  |  |  |  |  |  |  |  |

Friedman & Bruya, Inc.  
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| SIGNATURE                            | PRINT NAME            | COMPANY              | DATE          | TIME        |
|--------------------------------------|-----------------------|----------------------|---------------|-------------|
| Relinquished by: <u>Naser Pakrou</u> | <u>Naser Pakrou</u>   | <u>SOMV</u>          | <u>2/6/02</u> | <u>3:35</u> |
| Received by: <u>[Signature]</u>      | <u>Eric [unclear]</u> | <u>FBI [unclear]</u> | <u>2/8/02</u> | <u>1:00</u> |
| Relinquished by:                     |                       |                      |               |             |
| Received by:                         |                       |                      |               |             |

Feb. 06 2002 03:26PM P2  
FAX NO. : 2062835044  
FROM :