# ASARCO

February 13, 1996

PLAINTIFF'S EXHIBIT

ASA-859

Ms. Peggy Munsell
**EL PASO PLANT**

Please find attached the analytical results for the bulk asbestos samples collected 01/22/96 under Project No. ASB 196.

The bulk asbestos have been analyzed by visual estimation based on EPA-600/M4-82-020 (Dec. 1982) optical microscopy test method.

I can be reached at Ext. 240 if you have any questions or comments.

T.J. Jacobi
Chemist

cc: SGCothrin (w/attach.)
GRStanga "

EXHIBIT
Plaintiff's 21

ASARCO Incorporated 3422 South 700 West, Salt Lake City, Utah 84119-4191 (801) 262-2459 FAX (801) 261-2194

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Industrial Hygiene (OSHA) (Project 3211)

Batch No: L960213

| LAB NO | DATE COLLECTED | DESCRIPTION | PARAMETER | VALUE | UNITS | ANALYST | DATE ANALYZED | HOLD DAYS | METHOD |
|---|---|---|---|---|---|---|---|---|---|
| L960213-1 | 22-JAN-96 | CD-03 Baghouse Siding | AMOSTE | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | ANTHOP | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CHRYS | 25 | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CROCID | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | TREM/ACT | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| L960213-2 | 22-JAN-96 | Zn-10 Baghouse Roofing Panel | AMOSTE | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | ANTHOP | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CHRYS | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CROCID | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | TREM/ACT | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| L960213-3 | 22-JAN-96 | Zn-11 Wall Substation | AMOSTE | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | ANTHOP | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CHRYS | 20 | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CROCID | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | TREM/ACT | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| L960213-4 | 22-JAN-96 | Zn-13 Baghouse Roofing Material | AMOSTE | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | ANTHOP | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CHRYS | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CROCID | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | TREM/ACT | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| L960213-5 | 22-JAN-96 | CTT-01 Converter Cott.Hopper | AMOSTE | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | ANTHOP | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CHRYS | 16 | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CROCID | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | TREM/ACT | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| L960213-6 | 22-JAN-96 | RVB-18 3"Pipe S.Side | AMOSTE | 20 | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | ANTHOP | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CHRYS | 1 | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CROCID | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | TREM/ACT | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| L960213-7 | 22-JAN-96 | LD-01 Mud Insul. | AMOSTE | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | ANTHOP | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CHRYS | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |

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|---|---|---|---|---|---|---|---|---|---|
| L960213-7 | 22-JAN-96 | LD-01 Mud Insul. | CROCID | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | TREM/ACT | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| L960213-8 | 22-JAN-96 | LD-03 Brick/Motor | AMOSTE | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | ANTHOP | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CHRYS | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CROCID | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | TREM/ACT | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| L960213-9 | 22-JAN-96 | LD-04 Pipe Insol. | AMOSTE | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | ANTHOP | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CHRYS | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CROCID | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | TREM/ACT | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| L960213-10 | 22-JAN-96 | LD-05 Hood Insol. | AMOSTE | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | ANTHOP | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CHRYS | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CROCID | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | TREM/ACT | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| L960213-11 | 22-JAN-96 | LD-06 Fan Gasket | AMOSTE | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | ANTHOP | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CHRYS | 80 | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CROCID | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | TREM/ACT | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| L960213-12 | 22-JAN-96 | LD-09 Fan Gasket | AMOSTE | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | ANTHOP | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CHRYS | 50 | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CROCID | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | TREM/ACT | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| L960213-13 | 22-JAN-96 | SNT-02 Gasket | AMOSTE | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | ANTHOP | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CHRYS | 80 | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CROCID | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | TREM/ACT | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |

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|---|---|---|---|---|---|---|---|---|---|
| L960213-14 | 22-JAN-96 | SNT-01 Expansion Gasket | AMOSTE | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | ANTHOP | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CHRYS | 70 | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CROCID | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | TREM/ACT | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| L960213-15 | 22-JAN-96 | SNT-07 Roofing Tar | AMOSTE | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | ANTHOP | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CHRYS | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CROCID | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | TREM/ACT | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| L960213-16 | 22-JAN-96 | SNT-06 Boiler Mud | AMOSTE | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | ANTHOP | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CHRYS | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CROCID | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | TREM/ACT | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| L960213-17 | 22-JAN-96 | SNT-08 Brick/Motor | AMOSTE | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | ANTHOP | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CHRYS | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CROCID | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | TREM/ACT | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| L960213-18 | 22-JAN-96 | RVB-19 Brick/Motor | AMOSTE | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | ANTHOP | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CHRYS | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CROCID | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | TREM/ACT | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| L960213-19 | 22-JAN-96 | RVB-20 Fl.Insol. Mud | AMOSTE | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | ANTHOP | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CHRYS | 10 | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CROCID | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | TREM/ACT | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| L960213-20 | 22-JAN-96 | RVB-21 Baghouse Seam Reinfo. | AMOSTE | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | ANTHOP | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CHRYS | 18 | % | WCD | 01-FEB-96 | | 600/M4-82-020 |

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|---|---|---|---|---|---|---|---|---|---|
| L960213-20 | 22-JAN-96 | RVB-21 Baghouse Seam Reinfo. | CROCID | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | TREM/ACT | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| L960213-21 | 22-JAN-96 | RVB-22 Mud Insol. | AMDSTE | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | ANTHOP | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CHRYS | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | CROCID | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |
| | | | TREM/ACT | ND | % | WCD | 01-FEB-96 | | 600/M4-82-020 |

Approved

Reviewer