

ASARCO

PLAINTIFF'S EXHIBIT

ASA-1493

Technical Services Center

R.A. Peterson

Director

D.E. Holt

Engineering Manager

J.B. Richardson

Environmental Sciences Manager

M.G. King

Research Manager

December 9, 1994

**Ms. Peggy Munsell
Industrial Hygienist
EL PASO PLANT**

Please find attached the analytical results for EL PASO bulk asbestos samples dated 11/14/94. The bulk asbestos has 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:



ASARCO TECHNICAL SERVICES CENTER
ANALYTICAL DATA REPORT

El Paso

Industrial Hygiene (OSHA) (Project 3211)

Batch No: L942086

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L942086-1	14-NOV-94	01	AMOSTE ANTHOP CHRYL CROCID TREM/ACT	ND ND 80 ND	% % % %	WCD	30-NOV-94		EPA-600/M4-82-020
L942086-2	14-NOV-94	02	AMOSTE ANTHOP CHRYL CROCID TREM/ACT	ND ND 6 ND	% % % %	WCD	30-NOV-94		EPA-600/M4-82-020
L942086-3	14-NOV-94	03	AMOSTE ANTHOP CHRYL CROCID TREM/ACT	ND ND 80 ND	% % % %	WCD	30-NOV-94		EPA-600/M4-82-020
L942086-4	14-NOV-94	04	AMOSTE ANTHOP CHRYL CROCID TREM/ACT	ND ND 70 ND	% % % %	WCD	30-NOV-94		EPA-600/M4-82-020
L942086-5	14-NOV-94	05	AMOSTE ANTHOP CHRYL CROCID TREM/ACT	ND ND 5 ND	% % % %	WCD	30-NOV-94		EPA-600/M4-82-020
L942086-6	14-NOV-94	06	AMOSTE ANTHOP CHRYL CROCID TREM/ACT	ND ND 6 ND	% % % %	WCD	30-NOV-94		EPA-600/M4-82-020
L942086-7	14-NOV-94	07	AMOSTE ANTHOP CHRYL	ND ND 65	% % %	WCD	30-NOV-94		EPA-600/M4-82-020

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El Paso
Industrial Hygiene (OSHA) (Project 3211)
Batch No: L942086

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	STD	METHOD
L942086-7	14-NOV-94	07	CROCID TREN/ACT	ND ND	X X	WCD WCD	30-NOV-94 30-NOV-94	EPA-600/M4-82-020 EPA-600/M4-82-020	
L942086-8	14-NOV-94	08	AMOSTE ANTHOP CHRSYS CROCID TREN/ACT	ND ND 7 ND ND	X X X X X	WCD WCD WCD WCD WCD	30-NOV-94 30-NOV-94 30-NOV-94 30-NOV-94 30-NOV-94	EPA-600/M4-82-020 EPA-600/M4-82-020 EPA-600/M4-82-020 EPA-600/M4-82-020 EPA-600/M4-82-020	
L942086-9	14-NOV-94	09	AMOSTE ANTHOP CHRSYS CROCID TREN/ACT	ND ND 65 ND ND	X X X X X	WCD WCD WCD WCD WCD	30-NOV-94 30-NOV-94 30-NOV-94 30-NOV-94 30-NOV-94	EPA-600/M4-82-020 EPA-600/M4-82-020 EPA-600/M4-82-020 EPA-600/M4-82-020 EPA-600/M4-82-020	
L942086-10	14-NOV-94	10	AMOSTE ANTHOP CHRSYS CROCID TREN/ACT	ND ND ND ND ND	X X X X X	WCD WCD WCD WCD WCD	30-NOV-94 30-NOV-94 30-NOV-94 30-NOV-94 30-NOV-94	EPA-600/M4-82-020 EPA-600/M4-82-020 EPA-600/M4-82-020 EPA-600/M4-82-020 EPA-600/M4-82-020	
L942086-11	14-NOV-94	11	AMOSTE ANTHOP CHRSYS CROCID TREN/ACT	ND ND 5 ND ND	X X X X X	WCD WCD WCD WCD WCD	30-NOV-94 30-NOV-94 30-NOV-94 30-NOV-94 30-NOV-94	EPA-600/M4-82-020 EPA-600/M4-82-020 EPA-600/M4-82-020 EPA-600/M4-82-020 EPA-600/M4-82-020	
L942086-12	14-NOV-94	12	AMOSTE ANTHOP CHRSYS CROCID TREN/ACT	18 ND 2 ND ND	X X X X X	WCD WCD WCD WCD WCD	30-NOV-94 30-NOV-94 30-NOV-94 30-NOV-94 30-NOV-94	EPA-600/M4-82-020 EPA-600/M4-82-020 EPA-600/M4-82-020 EPA-600/M4-82-020 EPA-600/M4-82-020	
L942086-13	14-NOV-94	13	AMOSTE ANTHOP CHRSYS CROCID TREN/ACT	ND ND ND ND ND	X X X X X	WCD WCD WCD WCD WCD	30-NOV-94 30-NOV-94 30-NOV-94 30-NOV-94 30-NOV-94	EPA-600/M4-82-020 EPA-600/M4-82-020 EPA-600/M4-82-020 EPA-600/M4-82-020 EPA-600/M4-82-020	

ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Industrial Hygiene (OSHA) (Project 3211)

Batch No: L942086

LAN NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	LAB METHOD
L942086-14	14-NOV-94	14	AMOSTE	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
			ANTHOP	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
			CHRYL	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
			TREN/ACT	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
L942086-15	14-NOV-94	15	AMOSTE	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
			ANTHOP	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
			CHRYL	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
			TREN/ACT	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
L942086-16	14-NOV-94	16	AMOSTE	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
			ANTHOP	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
			CHRYL	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
			TREN/ACT	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
L942086-17	14-NOV-94	17	AMOSTE	<1	X	WCD	30-NOV-94	EPA-600/HA-82-020
			ANTHOP	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
			CHRYL	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
			TREN/ACT	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
L942086-18	14-NOV-94	18	AMOSTE	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
			ANTHOP	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
			CHRYL	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
			TREN/ACT	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
L942086-19	14-NOV-94	19	AMOSTE	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
			ANTHOP	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
			CHRYL	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
			TREN/ACT	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
L942086-20	14-NOV-94	20	AMOSTE	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
			ANTHOP	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
			CHRYL	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020
			TREN/ACT	ND	X	WCD	30-NOV-94	EPA-600/HA-82-020

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ANALYTICAL DATA REPORT

El Paso

Industrial Hygiene (OSHA) (Project 3211)

Batch No: L942086

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	WATS. METHOD
L942086-20	14-NOV-94	20	CROCID TREN/ACT	ND ND	% %	WCD WCD	30-NOV-94 30-NOV-94	EPA-600/M4-82-020 EPA-600/M4-82-020

Reviewer

ASARCO TECHNICAL SERVICES CENTER
ANALYTICAL DATA REPORT

El Paso

Water and Solid Waste (Project 3220)

Batch No: L932085

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	TEST METHOD
L932085-1	02-NOV-93	SAMPLE #9301350-A	AMOSTE	N.D.	%	WCD	15-NOV-93	EPA-600/H4-82-020
			ANTHOP	N.D.	%	WCD	15-NOV-93	EPA-600/H4-82-020
			CHRY'S	N.D.	%	WCD	15-NOV-93	EPA-600/H4-82-020
			CROCID	N.D.	%	WCD	15-NOV-93	EPA-600/H4-82-020
			TREM/ACT	N.D.	%	WCD	15-NOV-93	EPA-600/H4-82-020
L932085-2	02-NOV-93	SAMPLE #9301350-B	AMOSTE	N.D.	%	WCD	15-NOV-93	EPA-600/H4-82-020
			ANTHOP	N.D.	%	WCD	15-NOV-93	EPA-600/H4-82-020
			CHRY'S	N.D.	%	WCD	15-NOV-93	EPA-600/H4-82-020
			CROCID	N.D.	%	WCD	15-NOV-93	EPA-600/H4-82-020
			TREM/ACT	N.D.	%	WCD	15-NOV-93	EPA-600/H4-82-020
L932085-3	02-NOV-93	SAMPLE #9301557-A	AMOSTE	N.D.	%	WCD	15-NOV-93	EPA-600/H4-82-020
			ANTHOP	N.D.	%	WCD	15-NOV-93	EPA-600/H4-82-020
			CHRY'S	8.	%	WCD	15-NOV-93	EPA-600/H4-82-020
			CROCID	N.D.	%	WCD	15-NOV-93	EPA-600/H4-82-020
			TREM/ACT	N.D.	%	WCD	15-NOV-93	EPA-600/H4-82-020
L932085-4	02-NOV-93	SAMPLE #9301557-B	AMOSTE	N.D.	%	WCD	15-NOV-93	EPA-600/H4-82-020
			ANTHOP	N.D.	%	WCD	15-NOV-93	EPA-600/H4-82-020
			CHRY'S	70.	%	WCD	15-NOV-93	EPA-600/H4-82-020
			CROCID	N.D.	%	WCD	15-NOV-93	EPA-600/H4-82-020
			TREM/ACT	N.D.	%	WCD	15-NOV-93	EPA-600/H4-82-020

Approved