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SOUTHWESTERN REFINERY
AIRBORNE CONCENTRATIONS

SUBSTANCE: ASBESTOS

01-12-87	MAINTENANCE	R WOLFORD	453-23-1404	INSULATOR		.24	.03	.20	F/CC	60	Y Y Y
01-12-87	MAINTENANCE	V VALLEJO	464-58-2722	INSULATOR		.14	.02	.20	F/CC	60	Y Y Y
02-24-87	CRUDE I	L WOLFORD	569-22-2865	PRODUCTION OP.		.02	.00	.20	F/CC	55	Y Y Y
02-25-87	CRUDE II	V VALLEJO	464-58-2722	INSULATOR		.00	.00	.20	F/CC	95	Y Y Y
03-07-87	CRUDE II		000-00-0000	INSULATOR		.00	.00	.20	F/CC	45	Y Y Y
04-13-87	MAINTENANCE	R WOLFORD	000-00-0000	INSULATOR		.07	.00	.20	F/CC	33	Y Y Y
07-30-87	CAT I	AREA	000-00-0000		<	.01	<	.00	F/CC	110	
07-30-87	CAT I	R WOLFORD	453-23-1404	INSULATOR		.04	.01	.20	F/CC	115	Y Y Y
07-31-87	CAT I	R WOLFORD	453-23-1404	INSULATOR		.03	.03	.20	F/CC	400	Y Y Y
07-31-87	CAT I	AREA	000-00-0000		<	.01	<	.01	F/CC	420	
08-03-87	CAT I	V VALLEJO	464-58-2722	INSULATOR	<	.04	<	.01	F/CC	125	Y Y Y
08-03-87	CAT I	AREA	000-00-0000		<	.01	<	.00	F/CC	125	
08-05-87	SCRAPYARD	B GREER	454-04-0503	INSULATOR		.02	.00	.20	F/CC	25	Y Y Y
08-12-87	SULFOLANE UNIT	R WOLFORD	453-23-1404	INSULATOR		.04	.01	.20	F/CC	115	Y Y Y
08-12-87	SULFOLANE UNIT	AREA	000-00-0000		<	.01	<	.00	F/CC	120	
08-17-87	CAT I	V VALLEJO	464-58-2722	INSULATOR	<	.01	<	.00	F/CC	225	Y Y Y
08-17-87	CAT I	AREA	000-00-0000		<	.01	<	.01	F/CC	262	
08-18-87	CAT I	N WOLFORD	453-23-1404	INSULATOR		.02	.02	.20	F/CC	415	Y Y Y
08-19-87	CAT I	AREA	000-00-0000		<	.01	<	.01	F/CC	300	
08-19-87	CAT I	V VALLEJO	464-58-2722	INSULATOR		.01	.01	.20	F/CC	295	Y Y Y
08-20-87	CAT I	N WOLFORD	453-23-1404	INSULATOR		000000	.00	.20	F/CC	0	Y Y Y
08-20-87	CAT I	AREA	000-00-0000		<	.01	<	.01	F/CC	410	
08-21-87	CAT I	V VALLEJO	464-58-2722	INSULATOR		.04	.01	.20	F/CC	155	Y Y Y
09-01-87	CAT I	V VALLEJO	464-58-2722	INSULATOR		.02	.02	.20	F/CC	370	Y Y Y
09-02-87	CAT I	V VALLEJO	464-58-2722	INSULATOR	<	.01	<	.01	F/CC	430	Y Y Y
09-03-87	CAT I	V VALLEJO	464-58-2722	INSULATOR		.02	.01	.20	F/CC	323	Y Y Y
09-10-87	CAT I UNIT	N WOLFORD	453-23-1404	INSULATOR		.01	.01	.20	F/CC	270	Y Y Y
09-11-87	CAT I UNIT	N WOLFORD	453-23-1404	INSULATOR		.05	.03	.20	F/CC	240	Y Y Y
09-16-87	ALKY UNIT	N WOLFORD	453-23-1404	INSULATOR		.18	.04	.20	F/CC	100	Y Y Y
09-17-87	ALKY UNIT	N WOLFORD	453-23-1404	INSULATOR		.08	.03	.20	F/CC	150	Y Y Y
09-23-87	CRUDE I	N WOLFORD	453-23-1404	INSULATOR		.03	.00	.20	F/CC	34	Y Y Y
09-24-87	SULFOLANE UNIT	V VALLEJO	464-58-2722	INSULATOR		.04	.04	.20	F/CC	435	Y Y Y
09-25-87	SULFOLANE UNIT	V VALLEJO	464-58-2722	INSULATOR		.03	.03	.20	F/CC	410	Y Y Y
09-29-87	SULFOLANE UNIT	V VALLEJO	464-58-2722	INSULATOR		.01	.01	.20	F/CC	295	Y Y Y
10-01-87	SULFOLANE UNIT	V VALLEJO	464-58-2722	INSULATOR		.13	.12	.20	F/CC	445	Y Y Y
10-06-87	ALKY UNIT	V VALLEJO	464-58-2722	INSULATOR		.02	.02	.20	F/CC	406	Y Y Y
10-07-87	ALKY UNIT	V VALLEJO	464-58-2722	INSULATOR		.01	.01	.20	F/CC	438	Y Y Y
10-14-87	ALKY UNIT	V VALLEJO	464-58-2722	INSULATOR		.02	.02	.20	F/CC	380	Y Y Y
10-15-87	ALKY UNIT	V VALLEJO	464-58-2722	INSULATOR		.10	.09	.20	F/CC	430	Y Y Y
11-19-87	CRUDE I	N WOLFORD	453-23-1404	INSULATOR	</						

05-Jul-88

WESTERN INDUSTRIAL HYGIENE AIR MONITORING

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=DATE=	=LOCATION=	=EMPLOYEE NAME=	=EMP. NUMB=	=JOB TITLE=	=TWA-T=	=TWA-B=	=STND=	=UNITS=	=BK=	TIME=	=P P E=
											=R=B=G=
11-24-87	CAT 1	N WOLFORD	453-23-1404	INSULATOR	.01	.00	.20	F/CC	210	Y Y Y	

TWA-T: TIME-WEIGHTED AVERAGE CONCENTRATION FOR THE TIME SAMPLED.

TWA-B: TIME-WEIGHTED AVERAGE CONCENTRATION FOR AN 8-HOUR WORKDAY.

STND: STANDARD FOR THE SUBSTANCE MONITORED.

BK: BREAKTHROUGH. INDICATES POTENTIAL SAMPLE LOSS DUE TO BREAKTHROUGH OF THE SUBSTANCE IN THE SORBENT MEDIA.

TIME: TIME IN MINUTES OVER WHICH THE MONITORING WAS DONE.

PPE: PERSONAL PROTECTIVE EQUIPMENT. R INDICATES RESPIRATOR. B INDICATES BODY PROTECTION. G INDICATES GLOVES.

MEDICAL SERVICES DEPARTMENT
ENVIRONMENT AND HEALTH MANAGEMENT DIVISION
KERR-MCGEE CORPORATION

SOUTHWESTERN REFINERY
AIRBORNE CONCENTRATIONS

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=DATE=      =LOCATION=      =EMPLOYEE NAME=  =EMP. NUMB=    =JOB TITLE=    =TWA-7=    =TWA-8=    =57ND=    =UNITS==BK=TIME==P P E=
                                           =R=R=6=
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SUBSTANCE: ASBESTOS														
01-26-88	CRUDE I	N WOLFORD	453-23-1404	INSULATOR		.16	.06	.20	F/CC	180	Y	Y	Y	
03-01-88	CRUDE II	N WOLFORD	453-23-1404	INSULATOR		.03	.00	.20	F/CC	75	Y	Y	Y	
03-07-88	#3 TERMINAL	AREA	000-00-0000		<	.01	<	.00	.20	F/CC	190			
03-07-88	#3 TERMINAL	AREA	000-00-0000			.02	.01	.20	F/CC	175				
03-08-88	#3 TERMINAL	AREA	000-00-0000			.01	.00	.20	F/CC	336				
03-08-88	#3 TERMINAL	AREA	000-00-0000		<	.01	<	.00	.20	F/CC	336			
03-28-88	#1 TERMINAL	V VALLYO	464-58-2722	INSULATOR	<	.00	<	.00	.20	F/CC	115	Y	Y	Y
04-22-88	SCRAPYARD	B TERRELL	454-04-0503	INSULATOR		.50	.12	.20	F/CC	113	Y	Y	N	

TWA-T: TIME-WEIGHTED AVERAGE CONCENTRATION FOR THE TIME SAMPLED.

TWA-8: TIME-WEIGHTED AVERAGE CONCENTRATION FOR AN 8-HOUR WORKDAY.

STND: STANDARD FOR THE SUBSTANCE MONITORED.

BK: BREAKTHROUGH. INDICATES POTENTIAL SAMPLE LOSS DUE TO BREAKTHROUGH OF THE SUBSTANCE IN THE SORBENT MEDIA.

TIME: TIME IN MINUTES OVER WHICH THE MONITORING WAS DONE.

PPE: PERSONAL PROTECTIVE EQUIPMENT. R INDICATES RESPIRATOR. B INDICATES BODY PROTECTION. G INDICATES GLOVES.