NDUSTRIAL HYGIENE SURVEY DATA - WORKPLACE AIR MONITORING KM-4293

DATE: 3-29-83

ACILITY: SOUTHWESTERN REF Co, INC

DEPARTMENT: CRUDE UNIT #1

PERATION/JOB TITLE: CRAFTMANS 2/C

NUMBER OF SHIFTS: LESS THAN 1

MPLOYEE: ROY WOLFORD

EMPLOYEE NUMBER: 453-23-1401

URVEYOR: R.A. CLARK INC

AMPLE NUMBER: 132983

SAMPLE TYPE: ☒ Breathing Zone ☐ General Air

SPECIAL:

LTER TYPE: 0.8 μ MILLIPORE

☐ Resp. ☐ Total

TUBE: ☐ Detector ☐ Silgel ☐ Charcoal

IPINGER: ☐ Midget ☐ Bubbler

SOLUTION:

ONTAMINANT: ASBESTOS

PUMP NUMBER: #1 BENDIX 4455

CALIBRATION DATE: 3-29-83

ME ON: 0931

FLOWRATE: 2 LITERS/MIN

ME OFF: 1020

FLOWRATE: 2 LITERS/MIN

inutes 49 × 2 Flowrate = Sample Volume 98 LITERS

SAMPLING CONDITIONS

MPERATURE: 73°F

HUMIDITY: 85

AIR VELOCITY: 11-12 ESE

BAROMETRIC PRESSURE: 30.00 IN

ONTROL MEASURES: SWRC° SAFETY PROCEDURE #65 (ASBESTOS)

B DESCRIPTION: REMOVED SUSPECTED ASBESTOS FROM 6" LINE APPROX 35' LONG. AREA WAS ISOLATED & SUPERVISED. WETTED BEFORE, DURING, & AFTER. PUT IN APPROVED BAGS WITH WARNING INCLUDED. REMOVED TO STG PRIOR TO DISP.

ALYTICAL TECHNIQUE: PHASE CONTRAST MICROSCOPY:

POSURE CONCENTRATION CALCULATION

Results from Clark: 0.55 f/cc

PLAINTIFF'S EXHIBIT

KRC-531

SWRf/Asbestos 6803

1B 000100

NDUSTRIAL HYGIENE SURVEY DATA - WORKPLACE AIR MONITORING KM-4293

DATE: 3-29-83

ACILITY: SOUTHWESTERN REF Co, INC

DEPARTMENT: CRUDE UNIT #1

PERATION/JOB TITLE: CRAFTMAN 1/C

NUMBER OF SHIFTS: LESS THAN 1

MPLOYEE: ROBERT FLORES

EMPLOYEE NUMBER: 455-11-2157

URVEYOR: R.A. CLARK RAC

AMPLE NUMBER: 23283

SAMPLE TYPE: [X] Breathing Zone [ ] General Air

SPECIAL:

LTER TYPE: 0.8μ MILLIPORE

[ ] Resp. [ ] Total

TUBE: [ ] Detector [ ] Silgel [ ] Charcoal

IPINGER: [ ] Midget [ ] Bubbler

SOLUTION:

ONTAMINANT: ASBESTOS

PUMP NUMBER: #2 BENDIX 4455

CALIBRATION DATE: 3-29-83

ME ON: 0932

FLOWRATE: 2 LITERS/MIN

ME OFF: 1021

FLOWRATE: 2 LITERS/MIN

inutes 49 × 2 Flowrate = Sample Volume 98 LITERS

SAMPLING CONDITIONS

MPERATURE: 74°F

HUMIDITY: 75%

AIR VELOCITY: 11-12 ESE

BAROMETRIC PRESSURE: 30.00 IN

ONTROL MEASURES: SWRC's SAFETY PROC #65 (ASBESTOS)

B DESCRIPTION: REMOVED APPROX 35' SUSPECTED ASBESTOS FROM 6" LINE. WET DOWN BEFORE, DURING, & AFTER. AREA WAS ISOLATED & SUPERVISED. PUT IN APPROVED BAG WITH WARNING LABEL. REMOVED TO DESIGNATED STG PRIOR TO DISP.

ALYTICAL TECHNIQUE: PHASE CONTRAST MICROSCOPY

POSURE CONCENTRATION CALCULATION

Results from Clerk: 0.32 f/cc

SWRf/Asbestos 6804

1B 000101

NDUSTRIAL HYGIENE SURVEY DATA - WORKPLACE AIR MONITORING KM 4293

DATE: 3-29-83

ACILITY: SOUTHWESTERN REFINING CO, INC

DEPARTMENT: CRUDE UNIT #1

OPERATION/JOB TITLE: AREA SAMPLE DOWNWIND

NUMBER OF SHIFTS: LESS THAN 1

EMPLOYEE: N/A

EMPLOYEE NUMBER: —

SURVEYOR: R.A. CLARK RAC

SAMPLE NUMBER: 332483

SAMPLE TYPE: Breathing Zone / X General Air

SPECIAL:

LTER TYPE: 0.8 μ MILLIPORE

Resp / Total

TUBE: Detector / Silgel / Charcoal

MPINGER: Midget / Bubbler

SOLUTION:

ONTAMINANT: ASBESTOS

PUMP NUMBER: #3 BENDIX 44 SS

CALIBRATION DATE: 3-29-83

IME ON: 0934

FLOWRATE: 2 LITERS/MIN

IME OFF: 1025

FLOWRATE: 2 LITERS/MIN

Minutes 51 X 2 Flowrate = Sample Volume 102

SAMPLING CONDITIONS

TEMPERATURE	HUMIDITY	AIR VELOCITY	BAROMETRIC PRESSURE
73°F	75%	11-12 ESE	30.00 IN

ONTROL MEASURES: SWRC® SAFETY PROC #65 (ASBESTOS)

OR DESCRIPTION: REMOVE APPROX 35' OF SUSPECTED ASBESTOS FROM 6" LINE. AREA ISOLATED & SUPERVISED. MATERIAL WETTED BEFORE, DURING, & AFTER REMOVAL. APPROVED BAGS WITH WARNING LABEL. STORED IN DESIGNATED AREA PRIOR TO DISP.

ALYTICAL TECHNIQUE: PHASE CONTRAST MICROSCOPY

POSURE CONCENTRATION CALCULATION: Results from Lab: <0.26 f/cc

SW/Rt/Asbestos 5925

1B 000102