

TENNECO CHEMICALS, INC.
ORGANICS & POLYMERS DIVISION
VCM PERSONAL MONITORING
FLEMINGTON PLANT

Employee R. ROBERTSON Shift D
 Job Classification Mechanic Month Of JAN.
 Tube Type SKC-105

Week Of 1-1 / 1-16-75 Meter Off 417823
 SKC Pump Number 38 Meter On 416667
 Pump Stroke Volume 0.50 ml / STK Meter Total 1156
 Calibration 1-3-75 Throughput, ml 578
 Date/Time 1-9-75 8-4 VCM, ppm 0.9

Monitoring Area ASSEMBLING Lubricator in MAINT. Shop. & Bench

Week Of 1-17 / 1-31-75 Meter Off 558315
 SKC Pump Number 38 Meter On 556948
 Pump Stroke Volume 0.41 ml / STK Meter Total 1367
 Calibration 1-31-75 Throughput, ml 560
 Date/Time 1-31-75 8-5 VCM, ppm 0.5

Monitoring Area Rx Bldg. @ Glycol pump & @ Charge meter AREA

Week Of _____ Meter Off _____
 SKC Pump Number _____ Meter On _____
 Pump Stroke Volume _____ Meter Total _____
 Calibration _____ Throughput, ml _____
 Date/Time _____ VCM, ppm _____

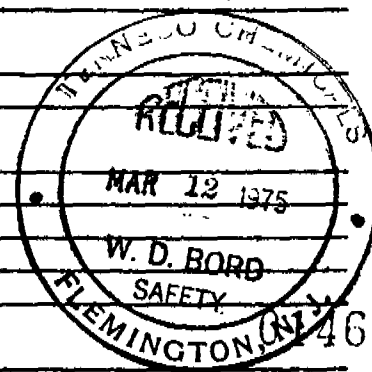
Monitoring Area _____

Week Of _____ Meter Off _____
 SKC Pump Number _____ Meter On _____
 Pump Stroke Volume _____ Meter Total _____
 Calibration _____ Throughput, ml _____
 Date/Time _____ VCM, ppm _____

Monitoring Area _____

Week Of _____ Meter Off _____
 SKC Pump Number _____ Meter On _____
 Pump Stroke Volume _____ Meter Total _____
 Calibration _____ Throughput, ml _____
 Date/Time _____ VCM, ppm _____

Monitoring Area _____



TENNECO CHEMICALS, INC.

ORGANICS & POLYMERS DIVISION

VCM PERSONAL MONITORING

FLEMINGTON PLANT

Employee	<u>ROBERTSON, R.</u>	Shift	<u>D</u>
Job Classification	<u>Mechanic</u>	Month Of	<u>December</u>
		Tube Type	<u>SKC-105</u>

Week Of	<u>12-2/12-8-74</u>	Meter Off	<u>191770</u>
SKC Pump Number	<u>38</u>	Meter On	<u>190416</u>
Pump Stroke Volume	<u>.50</u>	Meter Total	<u>1354</u>
Calibration		Throughput, ml	<u>677</u>
Date/Time	<u>12-5 4-12</u>	VCM, ppm	<u>1.8</u>

Monitoring Area MAINT. ON R^x 2 (MANUAL DUMP VALVE) R^x BLDG

Week Of	<u>12-9/12-15-74</u>	Meter Off	<u>239500</u>
SKC Pump Number	<u>38</u>	Meter On	<u>238496</u>
Pump Stroke Volume	<u>.50</u>	Meter Total	<u>1604</u>
Calibration		Throughput, ml	<u>502</u>
Date/Time	<u>12-13 8-4</u>	VCM, ppm	<u>24.0</u>

Monitoring Area MAINT IN DRYER ROOM @ B' DRYER AREA

Week Of	<u>12-16/12-22-74</u>	Meter Off	<u>265205</u>
SKC Pump Number	<u>38</u>	Meter On	<u>264103</u>
Pump Stroke Volume	<u>.50</u>	Meter Total	<u>1102</u>
Calibration		Throughput, ml	<u>551</u>
Date/Time	<u>12-17 8-4</u>	VCM, ppm	<u>.1</u>

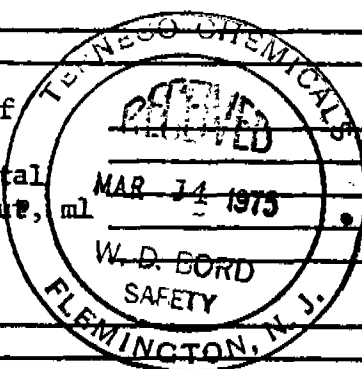
Monitoring Area @TOP OF DRYER BLDG CHANGING BAGS IN A' COLLECTOR.

Week Of	<u>12-23/12-31-74</u>	Meter Off	
SKC Pump Number		Meter On	
Pump Stroke Volume		Meter Total	
Calibration		Throughput, ml	
Date/Time		VCM, ppm	

Monitoring Area Not Monitored

Week Of		Meter Off	
SKC Pump Number		Meter On	
Pump Stroke Volume		Meter Total	
Calibration		Throughput, ml	
Date/Time		VCM, ppm	

Monitoring Area



014626

TENNECO CHEMICALS, INC.

ORGANICS & POLYMERS DIVISION

VCM PERSONAL MONITORING

FLEMINGTON PLANT

Employee	<u>ROBERTSON, R</u>	Shift	<u>D</u>
Job Classification	<u>MECHANIC</u>	Month Of	<u>NOV.</u>
		Tube Type	<u>SKC-105</u>

Week Of	<u>10-27/11-2-74</u>	Meter Off	<u>564121</u>
SKC Pump Number	<u>20</u>	Meter On	<u>563059</u>
Pump Stroke Volume	<u>0.56</u>	Meter Total	<u>1062</u>
Calibration	<u>482</u>	Throughput, ml	<u>595</u>
Date/Time	<u>10-31 12-8</u>	VCM, ppm	<u>Nd</u>

Monitoring Area DRYER BLDG. 'A' CENTIFUGE AREA.

Week Of	<u>11-3/11-9-74</u>	Meter Off	
SKC Pump Number		Meter On	
Pump Stroke Volume		Meter Total	
Calibration		Throughput, ml	
Date/Time		VCM, ppm	

Monitoring Area NOT MONITORED WK. OF 11-3/11-9-74

Week Of	<u>11-10/11-16-74</u>	Meter Off	<u>038584</u>
SKC Pump Number	<u>38</u>	Meter On	<u>037585</u>
Pump Stroke Volume	<u>0.51</u>	Meter Total	<u>999</u>
Calibration	<u>487</u>	Throughput, ml	<u>509</u>
Date/Time	<u>11-15 8-4</u>	VCM, ppm	<u>3.7</u>

Monitoring Area MAINT ON ORIAD TYPE DRYER IN MIDDLE OF BOILER ROOM

Week Of	<u>11-17/11-23-74</u>	Meter Off	<u>029788</u>
SKC Pump Number	<u>39</u>	Meter On	<u>028805</u>
Pump Stroke Volume	<u>0.55</u>	Meter Total	<u>983</u>
Calibration	<u>49.8</u>	Throughput, ml	<u>541</u>
Date/Time	<u>11-18 8-4</u>	VCM, ppm	<u>2.7</u>

Monitoring Area BOILER ROOM MAINT. ON ORIAD DRYER

Week Of	<u>11-24/11-30-74</u>	Meter Off	<u>160495</u>
SKC Pump Number	<u>37</u>	Meter On	<u>159505</u>
Pump Stroke Volume	<u>0.59</u>	Meter Total	<u>990</u>
Calibration	<u>50.0</u>	Throughput, ml	<u>525</u>
Date/Time	<u>11-27 12-8</u>	VCM, ppm	<u>Nd</u>

Monitoring Area MAINT. ON DOOR @ ENTRANCE TO RX BLDG.

014627

FW m D *F. X. Kanzler*
Rev. 10/74

TENNECO CHEMICALS, INC.
ORGANICS & POLYMERS DIVISION
VCM PERSONAL MONITORING
FLEMINGTON PLANT

Employee

Robertson R

Job Classification

MECHANIC

Shift

D

Week Of

9-29/10-5-74

SKC Pump Number

26

Pump Stroke Volume

.71 ml/STK

Calibration

49.2

Tube Type

SKC-104

Time Off

1025

Time On

1015

Meter Off

049479

Meter On

048784

Meter Total

695

Throughput, ml

494

Date

10-4-74

VCM, ppm

Nd

WORKING AT A CENTIFUGE (DRYER ROOM)

Week Of

10-6/10-12-74

SKC Pump Number

5

Pump Stroke Volume

.36 ml/STK

Calibration

49.0

Tube Type

SKC-104

Time Off

1615

Time On

1605

Meter Off

646350

Meter On

645196

Meter Total

1154

Throughput, ml

416

Date

10-10-74

VCM, ppm

0.3

'A' SIDE OF DRYER RM. @ MAINT

Week Of

10-13/10-19-74

SKC Pump Number

20

Pump Stroke Volume

.57 ml/STK

Calibration

51.7

Tube Type

SKC-104

Time Off

1122

Time On

1112

Meter Off

398504

Meter On

397604

Meter Total

900

Throughput, ml

513

Date

10-17-74

VCM, ppm

7.4

GRINDER & WELDING IN MAINT SHOP

Week Of

10-20/10-26-74

SKC Pump Number

5

Pump Stroke Volume

.47 ml/STK

Calibration

50.0

Tube Type

SKC-105

Time Off

1126

Time On

1115

Meter Off

711630

Meter On

710327

Meter Total

1303

Throughput, ml

612

Date

10-24-75

VCM, ppm

Nd

DRILLING & CHANGING FUSES IN MAINT SHOP

014628

NU m D Bod E.W. Kanzler
 Revised 9/5/74

LOCATION FLEMINGTON

Employee R. ROBERTSON
Job Classification MAINTENANCE

Date _____
Shift D

Week Of 9/1 - 9/7/74
SKC Pump Number 5
Calibration 50.0
Date 9/6/74
SHOP + LUNCH ROOM

Time Off 0635
Time On 0625
Elapsed Time 10
Tube Type SKC-104
ML Throughput 500
ppm VCM ND
Meter Off 508183
Meter On 507040
Meter Total 1143

Time Off _____
Time On _____
Elapsed Time _____
Tube Type _____
ML Throughput _____
ppm VCM _____
Meter Off _____
Meter On _____
Meter Total _____

Week Of 9-8/9-14-74
SKC Pump Number 16
Calibration .52 ml/stk
Date 9-12-74
MAINT OFFICE

Time Off 1704
Time On 1654
Elapsed Time 10
Tube Type SKC-104
ML Throughput 506
ppm VCM 4.6
Meter Off 517559
Meter On 516586
Meter Total 973

Time Off _____
Time On _____
Elapsed Time _____
Tube Type _____
ML Throughput _____
ppm VCM _____
Meter Off _____
Meter On _____
Meter Total _____

Week Of 9-15/9-21
SKC Pump Number 19
Calibration .67 ml /stk
Date 9-19-74
BENCH in Shop

Time Off 1600
Time On 1550
Elapsed Time 10
Tube Type SKC-104
ML Throughput 532
ppm VCM ND
Meter Off 345134
Meter On 344340
Meter Total 794

Time Off _____
Time On _____
Elapsed Time _____
Tube Type _____
ML Throughput _____
ppm VCM _____
Meter Off _____
Meter On _____
Meter Total _____

Week Of 9-22/9-28-74
SKC Pump Number 16
Calibration .62
Date 9-23-74
WORKING IN BOILER ROOM

Time Off 0945
Time On 0935
Elapsed Time 10
Tube Type SKC-104
ML Throughput 431
ppm VCM 2.2
Meter Off 535164
Meter On 534469
Meter Total 795

Time Off _____
Time On _____
Elapsed Time _____
Tube Type _____
ML Throughput _____
ppm VCM _____
Meter Off _____
Meter On _____
Meter Total _____

014629

F.W. Kanzler
Revised 5/22,

VCM PERSONAL MONITORING

LOCATION FLEMINGTON

Employee B. Robertson
Classification Maint.

Date August cont.
Shift D

Week Of	<u>8/26 - 8/31</u>	Time Off	<u>1423</u>	Time Off	
KC Pump Number	<u>5</u>	Time On	<u>1411</u>	Time On	
Calibration	<u>50.0</u>	Elapsed Time	<u>12 min.</u>	Elapsed Time	
Date	<u>8/27/74</u>	Tube Type	<u>SKC-104</u>	Tube Type	
IN MAINTENANCE OFFICE: Boiler House		ML Throughput	<u>500</u>	ML Throughput	
REGISTERED REC. ROOM		ppm VCM	<u>3.4</u>	ppm VCM	
		Meter Off	<u>476852</u>	Meter Off	
		Meter On	<u>477577</u>	Meter On	
		Meter Total	<u>1275</u>	Meter Total	

Week Of		Time Off		Time Off	
KC Pump Number		Time On		Time On	
Calibration		Elapsed Time		Elapsed Time	
		Tube Type	<u>SKC-104</u>	Tube Type	
		ML Throughput		ML Throughput	
		ppm VCM		ppm VCM	
		Meter Off		Meter Off	
		Meter On		Meter On	
		Meter Total		Meter Total	

Week Of		Time Off		Time Off	
KC Pump Number		Time On		Time On	
Calibration		Elapsed Time		Elapsed Time	
		Tube Type	<u>SKC-104</u>	Tube Type	
		ML Throughput		ML Throughput	
		ppm VCM		ppm VCM	
		Meter Off		Meter Off	
		Meter On		Meter On	
		Meter Total		Meter Total	

Week Of		Time Off		Time Off	
KC Pump Number		Time On		Time On	
Calibration		Elapsed Time		Elapsed Time	
		Tube Type	<u>SKC-104</u>	Tube Type	
		ML Throughput		ML Throughput	
		ppm VCM		ppm VCM	
		Meter Off		Meter Off	
		Meter On		Meter On	
		Meter Total		Meter Total	

W m D Bond

014630
F.W. Kanzler
Revised 5/22/74

ORGANICS & POLYMERS DIVISION

VCM PERSONAL MONITORING

LOCATION FlemingtonEmployee B. Robertson
Classification MaintenanceDate 7/29/74 August
Shift DWork Of 7/28-8/3
Pump Number 76
Vibration 49.0
e. 7/29/74
Maintenance shop.Time Off 1050
Time On 1040
Elapsed Time 10
Tube Type SKC-104
ML Throughput 490
ppm VCM 0.9
Meter Off 3217833
Meter On 320988
Meter Total 245Time Off _____
Time On _____
Elapsed Time _____
Tube Type _____
ML Throughput _____
ppm VCM _____
Meter Off _____
Meter On _____
Meter Total _____Work Of 8/4-8/10
Pump Number _____
Vibration _____
e. 8/8/74
VACATIONTime Off _____
Time On _____
Elapsed Time _____
Tube Type SKC-104
ML Throughput _____
ppm VCM _____
Meter Off _____
Meter On _____
Meter Total _____Time Off _____
Time On _____
Elapsed Time _____
Tube Type _____
ML Throughput _____
ppm VCM _____
Meter Off _____
Meter On _____
Meter Total _____Work Of 8/11-8/17
Pump Number 21
Vibration 48.7
e. 8/13/74
Maintenance shop / @ benchTime Off 1713
Time On 1703
Elapsed Time 10
Tube Type SKC-104
ML Throughput 487
ppm VCM nd
Meter Off 267668
Meter On 266936
Meter Total 732Time Off _____
Time On _____
Elapsed Time _____
Tube Type _____
ML Throughput _____
ppm VCM _____
Meter Off _____
Meter On _____
Meter Total _____Work Of 8/18-8/24
Pump Number 1C
Vibration 48.5
e. 8/21
5AOPTime Off 1048
Time On 1030
Elapsed Time 10
Tube Type SKC-104
ML Throughput 485
ppm VCM 3.9
Meter Off 450150
Meter On 449381
Meter Total 769Time Off _____
Time On _____
Elapsed Time _____
Tube Type _____
ML Throughput _____
ppm VCM _____
Meter Off _____
Meter On _____
Meter Total _____

Wm D Bod

014631

F.W. Kanzler
Revised 5/22/74

ORGANICS & POLYMERS DIVISION

VCM PERSONAL MONITORING

LOCATION Flemington

Employee B. ROBERTSON
Job Classification MAINTENANCE

Date 7/1/74
Shift D

Week Of 6/30-7/6
SKC Pump Number 15
Calibration 48.1
Date 7/1/74

Time Off 1011
Time On 1001
Elapsed Time 10
Tube Type SKC-104
ML Throughput 481
ppm VCM 2.7
Meter Off 242556
Meter On 24266
Meter Total 790

Time Off _____
Time On _____
Elapsed Time _____
Tube Type _____
ML Throughput _____
ppm VCM _____
Meter Off _____
Meter On _____
Meter Total _____

SHOP WORKING FOR PARTS

Week Of 7/7-7/13
SKC Pump Number 19
Calibration 47.8
Date 7/12/74

Time Off 0724
Time On 0714
Elapsed Time 10
Tube Type SKC-104
ML Throughput 478
ppm VCM nd
Meter Off 180699
Meter On 179725
Meter Total 974

Time Off _____
Time On _____
Elapsed Time _____
Tube Type _____
ML Throughput _____
ppm VCM _____
Meter Off _____
Meter On _____
Meter Total _____

Maintenance shop
in office

Week Of 7/14-7/20
SKC Pump Number 17
Calibration 48.9
Date 7/17/74

Time Off 1726
Time On 1710
Elapsed Time 10
Tube Type SKC-104
ML Throughput 489
ppm VCM nd
Meter Off 299382
Meter On 298599
Meter Total 833

Time Off _____
Time On _____
Elapsed Time _____
Tube Type _____
ML Throughput _____
ppm VCM _____
Meter Off _____
Meter On _____
Meter Total _____

Maintenance shop
and office

Week Of 7/21-7/27
SKC Pump Number 15
Calibration 49.2
Date 7/25/74

Time Off 1355
Time On 1345
Elapsed Time 10
Tube Type SKC-104
ML Throughput 492
ppm VCM nd
Meter Off 353919
Meter On 352819
Meter Total 1100

Time Off _____
Time On _____
Elapsed Time _____
Tube Type _____
ML Throughput _____
ppm VCM _____
Meter Off _____
Meter On _____
Meter Total _____

MAINT. SHOP, OFFICE, Boilerhouse near DESK

01463

TENNECO CHEMICALS, INC.
ORGANICS & POLYMERS DIVISION
VCM PERSONAL MONITORING
LOCATION Hemington

Employee BOB ROBERTSON
Job Classification MAINTENANCE

Date 6/19/74
Shift D

Week Of 6/16-6/22
SKC Pump Number 15
Calibration 47.6
Date 6/19/74

Time Off 1629
Time On 1619
Elapsed Time 10
Tube Type SKC-104
ML Throughput 476
ppm VCM NP
Meter Off 204323
Meter On 203443
Meter Total 880

Time Off _____
Time On _____
Elapsed Time _____
Tube Type _____
ML Throughput _____
ppm VCM _____
Meter Off _____
Meter On _____
Meter Total _____

-BOICEHOUSE DESC-

Week Of 6/23-6/29
SKC Pump Number _____
Calibration _____
Date ABSENT

Time Off _____
Time On _____
Elapsed Time _____
Tube Type _____
ML Throughput _____
ppm VCM _____
Meter Off _____
Meter On _____
Meter Total _____

Time Off _____
Time On _____
Elapsed Time _____
Tube Type _____
ML Throughput _____
ppm VCM _____
Meter Off _____
Meter On _____
Meter Total _____

COULD NOT BE LOCATED

*New Sheet
Week Of 6/30-7/6
SKC Pump Number 15
Calibration 48.1
Date 7/1/74
Maintenance Shop
looking for fittings

Time Off 1011
Time On 1011
Elapsed Time 10
Tube Type SKC-104
ML Throughput 481
ppm VCM _____
Meter Off 247556
Meter On 246766
Meter Total 790

Time Off _____
Time On _____
Elapsed Time _____
Tube Type _____
ML Throughput _____
ppm VCM _____
Meter Off _____
Meter On _____
Meter Total _____

Week Of _____
SKC Pump Number _____
Calibration _____
Date _____

Time Off _____
Time On _____
Elapsed Time _____
Tube Type _____
ML Throughput _____
ppm VCM _____
Meter Off _____
Meter On _____
Meter Total _____

Time Off _____
Time On _____
Elapsed Time _____
Tube Type _____
ML Throughput _____
ppm VCM _____
Meter Off _____
Meter On _____
Meter Total _____

014633

F.W. Kanzler
Revised 5/22/74

VCM PERSONAL MONITORING

LOCATION FLEMINGTON

Employee ROBERTSON
 Classification MAINTENANCE
6-12-74

Shift D

Pump Number 16

Flow Rate 40.8 ml/min

Date 6/12/74

TEST NUMBER 1

Time Off 0601
 Time On 0551
 Elapsed Time 10
 Tube Type SXC-104
 ML Throughput 40.8
 ppm VCM 1.4

Meter Off 1 08 403
 Meter On 107 608
 Meter Total 4875

WORKING ON R# 7

TEST NUMBER 2

Time Off _____
 Time On _____
 Elapsed Time _____
 Tube Type _____
 ML Throughput _____
 ppm VCM _____

Meter Off _____
 Meter On _____
 Meter Total _____

TEST NUMBER 3

Time Off _____
 Time On _____
 Elapsed Time _____
 Tube Type _____
 ML Throughput _____
 ppm VCM _____

Meter Off _____
 Meter On _____
 Meter Total _____

014631

Ray Szwed

VCM PERSONAL MONITORING

LOCATION FLEMINGTON

Employee R. ROBERTSON
Classification MAINT
6-6-74

Shift D

Pump Number _____

Flow Rate _____ ml/min

Date _____

TEST NUMBER 1

VACATION

Time Off _____
Time On _____
Elapsed Time _____
Tube Type SXC-104
ML Throughput _____
ppm VCM _____

Meter Off _____
Meter On _____
Meter Total _____

TEST NUMBER 2

Time Off _____
Time On _____
Elapsed Time _____
Tube Type _____
ML Throughput _____
ppm VCM _____

Meter Off _____
Meter On _____
Meter Total _____

TEST NUMBER 3

Time Off _____
Time On _____
Elapsed Time _____
Tube Type _____
ML Throughput _____
ppm VCM _____

Meter Off _____
Meter On _____
Meter Total _____

W m D Bod

014635

VCM PERSONAL MONITORING

LOCATION FLEMINGTON

Employee B. ROBERTSON - NOT HERE -
 Classification MAINTENANCE - VACATION Shift D
5/30/74

Pump Number _____

Libration _____ ml/min

Date 5/30/74

ST NUMBER 1

Time Off _____
 Time On _____
 Elapsed Time _____
 Tube Type SXC-104
 ML Throughput _____
 ppm VCM _____

Meter Off _____
 Meter On _____
 Meter Total _____

ST NUMBER 2

Time Off _____
 Time On _____
 Elapsed Time _____
 Tube Type _____
 ML Throughput _____
 ppm VCM _____

Meter Off _____
 Meter On _____
 Meter Total _____

ST NUMBER 3

Time Off _____
 Time On _____
 Elapsed Time _____
 Tube Type _____
 ML Throughput _____
 ppm VCM _____

Meter Off _____
 Meter On _____
 Meter Total _____

Wm D. Bond

014636

VCM PERSONAL MONITORING

LOCATION FLEMINGTON

Employee R ROBERTSON
 Classification MAINT. MECH
 Date 5/22/74

Shift A (4-12)

C Pump Number 17

Calibration 46.3 ml/min

Date 5/22/74

TEST NUMBER 1

Time Off 1827
 Time On 1817
 Elapsed Time 10
 Tube Type SKC-104
 ML Throughput 463
 ppm VCM 1.4

Meter Off 021233
 Meter On 020463
 Meter Total 770

*Rx BLOB CHANGING
 N₂ CYLINDERS*

TEST NUMBER 2

Time Off _____
 Time On _____
 Elapsed Time _____
 Tube Type _____
 ML Throughput _____
 ppm VCM _____

Meter Off _____
 Meter On _____
 Meter Total _____

TEST NUMBER 3

Time Off _____
 Time On _____
 Elapsed Time _____
 Tube Type _____
 ML Throughput _____
 ppm VCM _____

Meter Off _____
 Meter On _____
 Meter Total _____

Wm D Bond

014637

VCM PERSONAL MONITORING

LOCATION FLEMINGTON

Employee R. ROBERTSON
 Job Classification MAINTENANCE MECH
 Date 5/2/74

Shift D

GC Pump Number 6

Calibration 48.1 ml/min

Date 5/2/74

TEST NUMBER 1

Time Off 1354
 Time On 1344
 Elapsed Time 10
 Tube Type SKC-104
 ML Throughput 481.0
 ppm VCM N.D.

Meter Off 123438
 Meter On 122366
 Meter Total 1072

CHANGING AIR BOTTLES Rx.Rm.

TEST NUMBER 2

Time Off _____
 Time On _____
 Elapsed Time _____
 Tube Type SKC-104
 ML Throughput _____
 ppm VCM _____

Meter Off _____
 Meter On _____
 Meter Total _____

TEST NUMBER 3

Time Off _____
 Time On _____
 Elapsed Time _____
 Tube Type _____
 ML Throughput _____
 ppm VCM _____

Meter Off _____
 Meter On _____
 Meter Total _____

AW m D R. D

014633

014633