

AR226-3430

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000358

AR 226 - 3430

DATA SUMMARY

Chemical: Perfluorooctanoic Acid

Site: Fayetteville Works

Date of Monitoring: October 2002

Matrix: Blood Serum

Operation: PFOA Production

Job Title	Number Sampled	Minimum Concentration (ppb)	Mean (ppb)	Median (ppb)	Maximum Concentration (ppb)	Standard Deviation
Entire Cohort	20	4.15	10.83	8.86	20.3	5.07
Males	17	5.3	11.72	9.5	20.3	4.93
Females	3	4.15	5.78	4.91	8.28	2.20
Operators	8	5.3	9.97	9.5	16.4	4.27
Males	8	5.3	9.97	9.5	16.4	4.27
Females	0	-	-	-	-	-
Mechanics	1	8.56	8.56	8.56	8.56	-
Males	1	8.56	8.56	8.56	8.56	-
Females	0	-	-	-	-	-
Laboratorians	2	4.15	4.53	-	4.91	0.54
Males	0	-	-	-	-	-
Females	2	4.15	4.53	-	4.91	0.54
Supervision	9	8.28	13.24	16.7	20.3	5.22
Males	8	8.54	13.86	10.2	20.3	5.22
Females	1	8.28	8.28	8.28	8.28	-

Comments:

Samples analyzed by Exygen

Data set includes duplicate samples which appear as separate results.

Prepared by: Barbara J. Dawson, CIH
Date of Preparation: November 19, 2004

000359

DATA SUMMARY

Chemical: Perfluorooctanoic Acid

Site: Fayetteville Works

Date of Monitoring: December 2003

Matrix: Blood Serum

Operation: PFOA Production

Job Title	Number Sampled	Minimum Concentration (ppb)	Mean (ppb)	Median (ppb)	Maximum Concentration (ppb)	Standard Deviation
Entire Cohort	26	8.15	298.16	120	2280	490.58
Males	23	15.8	280.21	120	2280	469.90
Females	3	8.15	435.76	9.14	1290	739.79
Operators	11	66.6	267.57	224	664	208.76
Males	11	66.6	267.57	224	664	208.76
Females	0	-	-	-	-	-
Mechanics	0	-	-	-	-	-
Males	0	-	-	-	-	-
Females	0	-	-	-	-	-
Laboratorians	3	69.9	1213.30	1290	2280	1107.04
Males	2	69.9	1174.95	-	2280	1562.78
Females	1	1290	1290	1290	1290	-
Supervision	12	8.15	97.41	87.3	364	105.9
Males	10	15.8	115.16	88.4	364	107.73
Females	2	8.15	8.65	-	9.14	0.70

Comments:

Samples analyzed by Exygen

Data set includes duplicate samples which appear as separate results.

Prepared by: Barbara J. Dawson, CIH
Date of Preparation: November 19, 2004

000360

DATA SUMMARY

Chemical: Perfluorooctanoic Acid

Site: Fayetteville Works

Date of Monitoring: March 2003

Matrix: Blood Serum

Operation: PFOA Production

Job Title	Number Sampled	Minimum Concentration (ppb)	Mean (ppb)	Median (ppb)	Maximum Concentration (ppb)	Standard Deviation
Entire Cohort	20	8.34	92.25	89	244	73.21
Males	18	11.2	94.03	89	244	73.59
Females	2	8.34	76.17	-	144	95.93
Operators	8	22	89.48	77.3	202	61.44
Males	8	22	89.48	77.3	202	61.44
Females	0	-	-	-	-	-
Mechanics	1	12.5	12.5	12.5	12.5	-
Males	1	12.5	12.5	12.5	12.5	-
Females	0	-	-	-	-	-
Laboratorians	1	144	144	144	144	-
Males	0	-	-	-	-	-
Females	1	144	144	144	144	-
Supervision	10	8.34	97.26	98.2	244	85.67
Males	9	11.2	107.14	98.2	244	84.61
Females	1	8.34	8.34	8.34	8.34	-

Comments:

Samples analyzed by Exygen

Data set includes duplicate samples which appear as separate results.

000361

Prepared by: Barbara J. Dawson, CIH
Date of Preparation: November 19, 2004

DATA SUMMARY

Chemical: Perfluorooctanoic Acid

Site: Fayetteville Works, Fayetteville, North Carolina

Date of Monitoring: June 2004

Matrix: Blood Serum

Operation: PFOA Production

Job Title	Number Sampled	Minimum Concentration (ppb)	Mean (ppb)	Median (ppb)	Maximum Concentration (ppb)	Standard Deviation
Entire Cohort	27	4.08	422.12	188	1870	554.66
Males	24	4.08	410.46	196	1870	528.54
Females	3	6.28	515.39	9.9	1530	878.68
Operators	11	62.6	569.79	402	1440	532.55
Males	11	62.6	569.79	402	1440	532.55
Females	0	-	-	-	-	-
Mechanics	1	188	188	188	188	-
Males	1	188	188	188	188	-
Females	0	-	-	-	-	-
Laboratorians	3	63.7	1154.57	1530	1870	959.89
Males	2	63.7	966.85	-	1870	1277.25
Females	1	1530	1530	1530	1530	-
Supervision	12	4.08	123.15	85.2	610	176.62
Males	10	4.08	146.17	108	610	185.99
Females	2	6.28	8.09	-	9.9	2.56

Comments:

- Samples analyzed by Exygen
- Data set includes duplicate samples which appear as separate results.

Prepared by: Barbara J. Dawson, CIH, CSP
Date of Preparation: November 19, 2004

000362

DuPont Company
Fayetteville Works
PFOA in Blood

Job Assignment	Baseline 10-2002 (ppb)	2nd Sample 3-2003 (ppb)	3rd Sample 12-2003 (ppb)	4th Sample 6-2004 (ppb)
APFO Field/CCR Tech	12.4 ppb, 16.4 ppb	77.3	135	136
APFO Field/CCR Tech	5.3 ppb	27.4	66.6	261
APFO Field/CCR Tech	15.3 ppb	91	92.2	93.1
APFO Field/CCR Tech	7.76 ppb	66.7	74.6	62.6
APFO Field/CCR Tech	5.63 ppb	156	664	1440
APFO Field/CCR Tech	7.45 ppb	202	349	415
APFO Field/CCR Tech	no sample	73.4	357	358
APFO Field/CCR Tech	9.5 ppb	22	no sample	no sample
APFO Field/CCR Tech	no sample	no sample	580	1290
APFO Field/CCR Tech	no sample	no sample	322	1390
APFO Field/CCR Tech	no sample	no sample	78.9	420
APFO Field/CCR Tech	no sample	no sample	224	402
APFO Mech. Tech	8.56 ppb	12.5 ppb	no sample	188 ppb
APFO Lab Tech	4.15 ppb, 4.91 ppb	144	1290	1530
APFO Analytical Tech	no sample	no sample	2280 ppb	1870 ppb
Nafion VE Lab Tech	no sample	no sample	69.9 ppb	63.7 ppb
APFO Supt.	20.3 ppb	98.2 ppb	88.4 ppb	85.2 ppb
APFO Supt.	no sample	11.2 ppb	19.8 ppb	21.1 ppb
APFO Supt.	16.7 ppb	89 ppb	no sample	no sample
Plant Manager	no sample	no sample	120 ppb	no sample
Area Resource	no sample	no sample	no sample	4.08 ppb (5-2004)
Contract Physician	no sample	no sample	no sample	8.90 ppb
Chemist	no sample	no sample	8.15 ppb (1-2004)	6.28 ppb
APFO FLS	8.54 ppb, 8.76 ppb	244 ppb	364 ppb	610 ppb
APFO Eng.	18.2 ppb	125 ppb	222 ppb	196 ppb
APFO Eng.	10.2 ppb	34.9 ppb	60.2 ppb	159 ppb
APFO Eng.	no sample	no sample	15.8 ppb	no sample

DuPont Company
Fayetteville Works
PFOA in Blood

Job Assignment	Baseline 10-2002 (ppb)	2nd Sample 3-2003 (ppb)	3rd Sample 12-2003 (ppb)	4th Sample 6-2004 (ppb)
APFO Eng.	no sample	no sample	no sample	5.38 ppb
APFO Chemist	19.3 ppb	236 ppb	87.3 ppb	264 ppb
APFO Chemist	8.86 ppb	101 ppb	142 ppb	108 ppb
APFO Chemist	no sample	25 ppb	32.1 ppb	no sample
Site Industrial Hygiene	8.28 ppb	8.34 ppb	9.14 ppb	9.90 ppb

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