

REPORT NO. 25-7390
SOURCE NR739
JOB NO. RUNKBN75

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY CONTAMINANT
ETHYLENE DICHLORIDE

PAGE NO. 1
DATE 03/13/84
TIME 14.24.41

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	TASK	SAMPLE DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
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PROCESS: OFFICE - NON-FIELD UNIT

ORMAL	PERSONAL	ADMIN, CLERICAL	01/08/75	014	DAY	TWA	<	0.010 PPM	240	240	SINGLE		
			02/19/75	106	DAY	TWA		0.330 PPM	240	240	SINGLE		
			03/04/75	124	DAY	TWA		0.020 PPM	240	240	SINGLE		
			04/01/75	177	DAY	TWA		0.780 PPM	240	240	SINGLE		
			04/25/75	233	DAY	TWA	<	0.010 PPM	247	247	SINGLE		
			05/06/75	256	DAY	TWA		0.360 PPM	500	500	SINGLE		
			05/14/75	275	DAY	TWA		0.030 PPM	480	480	SINGLE		
			05/15/75	280	DAY	TWA		0.100 PPM	501	501	SINGLE		
			06/06/75	328	DAY	TWA	<	0.010 PPM	480	480	SINGLE		
			06/20/75	368	DAY	TWA		2.020 PPM	480	480	SINGLE		
			06/24/75	377	DAY	TWA		1.390 PPM	456	456	SINGLE		
			06/25/75	381	DAY	TWA		0.870 PPM	480	480	SINGLE		
			06/30/75	392	DAY	TWA		0.500 PPM	480	480	SINGLE		
			07/07/75	403	DAY	TWA		0.180 PPM	490	490	SINGLE		
			07/24/75	451	DAY	TWA		0.130 PPM	500	500	SINGLE		
			07/28/75	457	DAY	TWA	<	0.010 PPM	505	505	SINGLE		
			08/08/75	486	DAY	TWA		0.280 PPM	455	455	SINGLE		
			08/26/75	533	DAY	TWA		0.410 PPM	480	480	SINGLE		
			09/18/75	594	DAY	TWA		0.400 PPM	480	480	SINGLE		

ORMAL	PERSONAL	ADMIN, SUPERVISOR	01/02/75	001	DAY	STEL	<	0.010 PPM	1		SINGLE		
			01/02/75	002	DAY	STEL	<	0.010 PPM	1		SINGLE		
			01/05/75	005	DAY	TWA		0.500 PPM	480	480	SINGLE		
			01/05/75	006	DAY	TWA		0.900 PPM	470	470	SINGLE		
			01/05/75	007	DAY	TWA	<	0.010 PPM	475	475	SINGLE		
			01/09/75	021	DAY	TWA		0.190 PPM	250	250	SINGLE		
			01/15/75	049	DAY	TWA		0.120 PPM	240	240	SINGLE		
			01/29/75	060	DAY	TWA		0.150 PPM	435	435	SINGLE		
			02/04/75	067	DAY	TWA		0.360 PPM	245	245	SINGLE		
			02/06/75	076	DAY	TWA		0.070 PPM	225	225	SINGLE		
			03/06/75	128	DAY	TWA		0.040 PPM	240	240	SINGLE		
			03/06/75	130	DAY	TWA		0.060 PPM	240	240	SINGLE		
			03/12/75	145	DAY	TWA		0.020 PPM	180	180	SINGLE		
			03/13/75	146	DAY	TWA	<	0.020 PPM	240	240	SINGLE		
			03/19/75	160	DAY	TWA		0.040 PPM	240	240	SINGLE		
			04/01/75	171	DAY	TWA		0.010 PPM	240	240	SINGLE		
			04/03/75	187	DAY	TWA		0.070 PPM	245	245	SINGLE		
			04/04/75	189	DAY	TWA		0.120 PPM	240	240	SINGLE		
			04/29/75	244	DAY	TWA		0.020 PPM	236	236	SINGLE		

CCR 000012411

REPORT NO. 25-7390
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INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY CONTAMINANT

PAGE NO. 2
DATE 03/13/84
TIME 14.24.41

ETHYLENE DICHLORIDE

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	TASK	SAMPLE DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
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PROCESS: OFFICE - NON-FIELD UNIT

NORMAL	PERSONAL	ADMIN, SUPERVISOR	05/05/75	249	DAY	TWA	0.120	PPM	455	455	SINGLE		
			05/08/75	259	DAY	TWA	0.350	PPM	500	500	SINGLE		
			05/13/75	270	DAY	TWA	0.170	PPM	540	540	SINGLE		
			05/13/75	274	DAY	TWA	0.230	PPM	480	480	SINGLE		
			05/20/75	287	DAY	TWA	0.490	PPM	480	480	SINGLE		
			05/21/75	295	DAY	TWA	0.010	PPM	480	480	SINGLE		
			05/30/75	308	DAY	TWA	0.160	PPM	370	370	SINGLE		
			06/02/75	310	DAY	TWA	0.300	PPM	505	505	SINGLE		
			06/03/75	314	DAY	TWA	0.210	PPM	480	480	SINGLE		
			06/06/75	324	DAY	TWA	3.040	PPM	60	60	SINGLE		
			06/10/75	336	DAY	TWA	0.810	PPM	480	480	SINGLE		
			06/11/75	338	DAY	TWA	0.120	PPM	580	580	SINGLE		
			06/16/75	354	DAY	TWA	0.270	PPM	510	510	SINGLE		
			06/17/75	358	DAY	TWA	0.680	PPM	490	490	SINGLE		
			06/20/75	369	DAY	TWA	0.510	PPM	502	502	SINGLE		
			06/20/75	372	DAY	TWA	0.480	PPM	485	485	SINGLE		
			06/30/75	394	DAY	TWA	0.820	PPM	465	465	SINGLE		
			07/08/75	405	DAY	TWA	0.180	PPM	530	530	SINGLE		
			07/14/75	418	DAY	TWA	0.010	PPM	480	480	SINGLE		
			07/17/75	429	DAY	TWA	0.170	PPM	470	470	SINGLE		
			07/22/75	439	DAY	TWA	0.010	PPM	505	505	SINGLE		
			07/30/75	466	DAY	TWA	0.010	PPM	580	580	SINGLE		
			08/07/75	480	DAY	TWA	0.070	PPM	480	480	SINGLE		
			08/13/75	502	DAY	TWA	0.210	PPM	520	520	SINGLE		
			08/14/75	503	DAY	TWA	0.010	PPM	520	520	SINGLE		
			08/21/75	520	DAY	TWA	0.010	PPM	510	510	SINGLE		
			08/22/75	521	DAY	TWA	0.010	PPM	480	480	SINGLE		
			09/11/75	573	DAY	TWA	0.080	PPM	450	450	SINGLE		
			09/17/75	583	DAY	TWA	8.720	PPM	495	495	SINGLE		
			09/17/75	584	DAY	TWA	3.720	PPM	495	495	SINGLE		
			09/19/75	595	DAY	STEL	99.990	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			09/22/75	601	DAY	TWA	1.230	PPM	515	515	SINGLE		
			09/22/75	602	DAY	TWA	2.510	PPM	493	493	SINGLE		
			09/23/75	604	DAY	TWA	0.820	PPM	515	515	SINGLE		
			09/23/75	605	DAY	TWA	1.000	PPM	480	480	SINGLE		
			10/02/75	623	DAY	TWA	0.290	PPM	475	475	SINGLE		
			10/02/75	624	DAY	TWA	1.620	PPM	425	425	SINGLE		
			10/02/75	625	DAY	TWA	0.180	PPM	415	415	SINGLE		
			10/06/75	633	DAY	TWA	0.410	PPM	495	495	SINGLE	AIR-SPL FUL-FACE	
			10/13/75	642	DAY	TWA	1.830	PPM	480	480	SINGLE		

CCR 000012412

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INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY CONTAMINANT

PAGE NO. 3
DATE 03/13/84
TIME 14.24.41

ETHYLENE DICHLORIDE

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	TASK	SAMPLE DATE	ID	MON SHIFT	STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
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PROCESS: OFFICE - NON-FIELD UNIT

NORMAL	PERSONAL	ADMIN, SUPERVISOR	10/13/75	644	DAY	TWA		1.890 PPM	445	445	SINGLE		
			10/15/75	648	EVENG	TWA	<	0.010 PPM	163	163	SINGLE		
			10/15/75	649	NIGHT	TWA		13.790 PPM	480	480	SINGLE		
			10/16/75	654	DAY	TWA		0.610 PPM	480	480	SINGLE		
			10/16/75	655	DAY	TWA	<	0.010 PPM	462	462	SINGLE		
			10/16/75	656	NIGHT	TWA	<	0.010 PPM	475	475	SINGLE		
			10/16/75	657	DAY	TWA		0.430 PPM	480	480	SINGLE		
			10/17/75	659	DAY	TWA		0.620 PPM	525	525	SINGLE		
			10/20/75	661	DAY	TWA		1.250 PPM	480	480	SINGLE		
			10/29/75	678	DAY	TWA		0.800 PPM	475	475	SINGLE		
			10/31/75	685	DAY	TWA	<	0.010 PPM	560	560	SINGLE		
			11/03/75	686	DAY	TWA	<	0.010 PPM	515	515	SINGLE		
			11/06/75	695	DAY	TWA		0.700 PPM	460	460	SINGLE		
			11/07/75	697	DAY	TWA		1.560 PPM	480	480	SINGLE		
			11/11/75	707	DAY	TWA		1.700 PPM	597	597	SINGLE		
			12/01/75	739	DAY	TWA	<	0.010 PPM	420	420	SINGLE		

PROCESS: PLANT LABORATORY UNIT

NORMAL	PERSONAL	LAB, PROFESSIONAL	04/03/75	188	DAY	TWA		0.490 PPM	240	240	SINGLE		
			06/04/75	317	DAY	TWA		0.290 PPM	445	445	SINGLE		
			07/08/75	407	DAY	TWA		0.090 PPM	480	480	SINGLE		
			08/13/75	501	DAY	TWA		0.870 PPM	516	516	SINGLE		
			10/10/75	640	DAY	TWA		0.490 PPM	486	486	SINGLE		
			11/05/75	692	DAY	TWA		0.880 PPM	420	420	SINGLE		
			11/21/75	730	DAY	TWA		2.740 PPM	509	509	SINGLE		

NORMAL	PERSONAL	LAB, TECHNICAL	01/08/75	013	EVENG	TWA	<	0.010 PPM	240	240	SINGLE		
			01/08/75	016	DAY	TWA		0.300 PPM	234	234	SINGLE		
			01/09/75	026	NIGHT	TWA		0.260 PPM	240	240	SINGLE		
			01/09/75	031	EVENG	TWA		0.340 PPM	180	180	SINGLE		
			01/10/75	035	DAY	TWA	<	0.010 PPM	243	243	SINGLE		
			01/13/75	042	DAY	TWA	<	0.010 PPM	240	240	SINGLE		
			01/25/75	057	EVENG	TWA	<	0.010 PPM	140	140	SINGLE		
			01/29/75	061	DAY	STEL		0.050 PPM	1		SINGLE		
			01/31/75	062	DAY	STEL		0.210 PPM	1		SINGLE		
			02/03/75	063	DAY	TWA		0.050 PPM	120	120	SINGLE		
			02/03/75	064	EVENG	TWA	<	0.010 PPM	240	240	SINGLE		
			02/04/75	068	DAY	STEL		0.500 PPM	1		SINGLE		
			02/05/75	071	DAY	STEL		0.300 PPM	1		SINGLE		

CCR 000012413

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PAGE NO. 4
DATE 03/13/84
TIME 14.24.41

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	TASK	SAMPLE DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
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PROCESS: PLANT LABORATORY UNIT

NORMAL PERSONAL LAB, TECHNICAL

02/05/75	072	NIGHT	TWA				0.010	PPM	250	250	SINGLE		
02/05/75	074	EVENG	STEL	<			0.010	PPM	1		SINGLE		
02/06/75	077	DAY	STEL	<			0.010	PPM	1		SINGLE		
02/07/75	080	DAY	STEL	<			0.010	PPM	1		SINGLE		
02/10/75	083	DAY	TWA				0.040	PPM	240	240	SINGLE		
02/14/75	096	DAY	TWA				0.010	PPM	240	240	SINGLE		
02/18/75	104	NIGHT	TWA				0.910	PPM	240	240	SINGLE		
02/19/75	107	EVENG	TWA				0.090	PPM	253	253	SINGLE		
02/20/75	111	DAY	TWA				0.520	PPM	240	240	SINGLE		
03/03/75	121	EVENG	TWA				0.710	PPM	240	240	SINGLE		
03/06/75	129	NIGHT	TWA				0.320	PPM	240	240	SINGLE		
03/10/75	136	DAY	TWA				1.460	PPM	240	240	SINGLE		
03/14/75	152	DAY	TWA				0.070	PPM	240	240	SINGLE		
03/19/75	156	EVENG	TWA				0.040	PPM	240	240	SINGLE		
03/19/75	158	NIGHT	TWA				0.150	PPM	240	240	SINGLE		
03/20/75	161	DAY	TWA				1.090	PPM	240	240	SINGLE		
04/01/75	172	EVENG	TWA				0.840	PPM	240	240	SINGLE		
04/04/75	190	DAY	TWA				2.120	PPM	240	240	SINGLE		
04/28/75	235	EVENG	TWA				0.110	PPM	240	240	SINGLE		
04/28/75	239	DAY	TWA	<			0.010	PPM	240	240	SINGLE		
04/30/75	246	NIGHT	TWA				0.030	PPM	245	245	SINGLE		
04/30/75	247	DAY	TWA				0.040	PPM	240	240	SINGLE		
05/07/75	257	DAY	TWA				0.390	PPM	360	360	SINGLE		
05/12/75	267	NIGHT	TWA				0.100	PPM	390	390	SINGLE		
05/12/75	269	DAY	TWA				0.590	PPM	466	466	SINGLE		
05/13/75	271	EVENG	TWA				0.040	PPM	440	440	SINGLE		
05/19/75	284	DAY	TWA				0.020	PPM	523	523	SINGLE		
05/22/75	297	NIGHT	TWA	<			0.010	PPM	470	470	SINGLE		
05/27/75	303	EVENG	TWA				0.590	PPM	420	420	SINGLE		
06/03/75	312	DAY	TWA				0.380	PPM	450	450	SINGLE		
06/05/75	321	NIGHT	TWA				99.990	PPM	465	465	SINGLE		
06/09/75	334	DAY	TWA	<			0.010	PPM	438	438	SINGLE		
06/10/75	335	EVENG	TWA				0.340	PPM	480	480	SINGLE		
06/19/75	366	DAY	TWA				0.460	PPM	480	480	SINGLE		
06/23/75	375	EVENG	TWA				0.330	PPM	450	450	SINGLE		
07/07/75	402	DAY	TWA				0.120	PPM	448	448	SINGLE		
07/10/75	413	DAY	TWA				0.100	PPM	455	455	SINGLE		
07/15/75	422	DAY	TWA	<			0.010	PPM	400	400	SINGLE		
07/16/75	426	EVENG	TWA	<			0.010	PPM	455	455	SINGLE		
07/23/75	443	NIGHT	TWA				0.040	PPM	480	480	SINGLE		

AIR-SPL FUL-FACE

CCR 000012414

REPORT NO. 25-7390
SOURCE NR739
JOB NO. RUNKBN75

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY CONTAMINANT
ETHYLENE DICHLORIDE

PAGE NO. 5
DATE 03/13/84
TIME 14.24.41

SITE: CHM LAKE CHAS VCM

PLANT OPER	SAMPLE TYPE	TASK	SAMPLE DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
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PROCESS: PLANT LABORATORY UNIT

NORMAL	PERSONAL	LAB, TECHNICAL	07/28/75	455	EVENG	TWA	<	0.010 PPM	420	420	SINGLE		
			08/12/75	494	EVENG	TWA	<	0.010 PPM	450	450	SINGLE		
			08/14/75	504	DAY	TWA	<	0.010 PPM	480	480	SINGLE		
			08/18/75	510	DAY	TWA		0.070 PPM	420	420	SINGLE		
			08/28/75	537	NIGHT	TWA		1.660 PPM	475	475	SINGLE		
			08/29/75	540	DAY	TWA		1.760 PPM	270	270	SINGLE		
			08/31/75	542	DAY	TWA		3.190 PPM	375	375	SINGLE		
			10/23/75	668	NIGHT	TWA	<	0.010 PPM	420	420	SINGLE		
			10/27/75	673	DAY	TWA	<	0.010 PPM	442	442	SINGLE		
			11/03/75	687	DAY	TWA	<	0.010 PPM	430	430	SINGLE		
			11/26/75	735	DAY	TWA		3.420 PPM	360	360	SINGLE		
			12/02/75	741	NIGHT	TWA		11.550 PPM	445	445	SINGLE		
			12/17/75	760	NIGHT	TWA		2.470 PPM	435	435	SINGLE		
			12/23/75	776	DAY	TWA		55.850 PPM	359	359	SINGLE		

PROCESS: PLANT-WIDE, MAINTENANCE

NORMAL	PERSONAL	BOILERMAKER	01/10/75	034	EVENG	TWA		0.020 PPM	229	229	SINGLE		
			02/03/75	066	DAY	TWA		0.170 PPM	244	244	SINGLE		
			03/03/75	120	DAY	TWA		0.320 PPM	240	240	SINGLE		
			04/01/75	178	DAY	TWA		8.140 PPM	240	240	SINGLE		
			04/05/75	199	EVENG	TWA		1.610 PPM	240	240	SINGLE		
			04/06/75	214	DAY	STEL		0.170 PPM	1		SINGLE	AIR-SPL FUL-FACE	
			04/07/75	223	DAY	TWA	<	0.010 PPM	243	243	SINGLE		
			05/16/75	282	DAY	TWA		2.720 PPM	470	470	SINGLE		
			06/06/75	325	DAY	TWA		5.140 PPM	72	72	SINGLE		
			06/06/75	327	DAY	TWA		4.830 PPM	75	75	SINGLE		
			06/18/75	361	DAY	TWA		0.410 PPM	420	420	SINGLE		
			06/20/75	374	DAY	TWA		3.180 PPM	470	470	SINGLE		
			07/06/75	395	DAY	TWA		5.780 PPM	75	75	SINGLE		
			07/07/75	404	DAY	TWA		0.260 PPM	460	460	SINGLE		
			07/08/75	406	DAY	TWA		0.150 PPM	240	240	SINGLE		
			07/13/75	416	DAY	STEL		0.010 PPM	1		SINGLE		
			07/13/75	417	DAY	STEL		0.010 PPM	1		SINGLE		
			07/30/75	467	DAY	TWA	<	0.010 PPM	495	495	SINGLE		
			08/05/75	476	DAY	TWA		1.050 PPM	415	415	SINGLE		
			08/13/75	495	DAY	TWA		0.540 PPM	460	460	SINGLE		
			08/13/75	497	DAY	STEL		0.010 PPM	1		SINGLE	AIR-SPL FUL-FACE	
			08/13/75	498	DAY	STEL		0.010 PPM	1		SINGLE		
			08/15/75	507	DAY	STEL		1.620 PPM	1		SINGLE	AIR-SPL FUL-FACE	

CCR 000012415

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PAGE NO. 6
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TIME 14.24.41

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	TASK	SAMPLE DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
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PROCESS: PLANT-WIDE, MAINTENANCE

NORMAL	PERSONAL	BOILERMAKER	08/22/75	523	DAY	STEL	11.780	PPM	1		SINGLE		
			08/22/75	526	DAY	STEL	0.010	PPM	1		SINGLE		
			08/29/75	541	DAY	STEL	29.540	PPM	1		SINGLE		
			09/05/75	554	DAY	STEL <	0.010	PPM	1		SINGLE		
			09/05/75	555	DAY	STEL	16.590	PPM	1		SINGLE		
			09/05/75	556	DAY	STEL	5.310	PPM	1		SINGLE		
			09/08/75	559	DAY	TWA	4.470	PPM	470	470	SINGLE		
			09/12/75	579	DAY	STEL	99.990	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			09/18/75	590	DAY	STEL <	0.010	PPM	1		SINGLE		
			09/18/75	593	DAY	STEL	55.020	PPM	1		SINGLE		
			09/23/75	606	EVENG	TWA	0.140	PPM	480	480	SINGLE		
			09/30/75	621	DAY	STEL <	0.010	PPM	1		SINGLE		
			09/30/75	622	DAY	STEL <	0.010	PPM	1		SINGLE		
			10/03/75	627	DAY	TWA <	0.010	PPM	83	83	SINGLE	AIR-SPL FUL-FACE	
			10/03/75	632	DAY	STEL	1.020	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			10/21/75	666	DAY	TWA <	0.010	PPM	480	480	SINGLE		
			11/04/75	691	DAY	TWA	0.540	PPM	444	444	SINGLE		
			11/05/75	694	DAY	TWA	0.620	PPM	490	490	SINGLE		
			11/20/75	729	DAY	TWA	44.630	PPM	475	475	SINGLE		
			12/03/75	742	DAY	TWA	13.540	PPM	465	465	SINGLE		
			12/19/75	762	DAY	TWA	7.750	PPM	420	420	SINGLE		

NORMAL	PERSONAL	CARPENTER	01/07/75	009	DAY	TWA	1.310	PPM	460	460	SINGLE		
			01/10/75	036	DAY	TWA	0.050	PPM	239	239	SINGLE		
			01/13/75	041	DAY	TWA <	0.010	PPM	234	234	SINGLE		
			02/07/75	081	DAY	TWA	0.190	PPM	240	240	SINGLE		
			02/18/75	100	DAY	TWA	0.100	PPM	240	240	SINGLE		
			03/07/75	133	DAY	TWA <	0.010	PPM	240	240	SINGLE		
			03/17/75	153	DAY	TWA	2.630	PPM	240	240	SINGLE		
			04/02/75	180	DAY	TWA	0.770	PPM	260	260	SINGLE		
			04/30/75	245	DAY	TWA	0.120	PPM	250	250	SINGLE	AIR-SPL FUL-FACE	
			05/21/75	293	DAY	TWA <	0.010	PPM	465	465	SINGLE		
			05/21/75	294	DAY	TWA	0.010	PPM	372	372	SINGLE		
			06/05/75	323	DAY	TWA	0.940	PPM	480	480	SINGLE		
			06/11/75	340	DAY	TWA	0.390	PPM	450	450	SINGLE		
			06/11/75	341	DAY	TWA	0.290	PPM	285	285	SINGLE		
			06/11/75	342	DAY	TWA	0.250	PPM	285	285	SINGLE		
			06/13/75	348	DAY	TWA <	0.010	PPM	420	420	SINGLE		
			07/06/75	397	EVENG	STEL	6.180	PPM	1		SINGLE		
			07/22/75	440	DAY	TWA	0.550	PPM	420	420	SINGLE		

CCR 000012416

REPORT NO. 25-7390
SOURCE NR739
JOB NO. RUNKBN75

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY CONTAMINANT
ETHYLENE DICHLORIDE

PAGE NO. 7
DATE 03/13/84
TIME 14.24.41

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	TASK	SAMPLE DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
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PROCESS: PLANT-WIDE, MAINTENANCE

NORMAL	PERSONAL	CARPENTER	07/23/75	444	DAY	TWA	<	0.010 PPM	420	420	SINGLE		
			08/06/75	478	DAY	STEL		3.650 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			08/06/75	479	DAY	STEL	<	0.010 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			08/07/75	483	DAY	TWA		0.260 PPM	480	480	SINGLE		
			08/15/75	506	DAY	STEL	<	0.010 PPM	1		SINGLE		
			08/21/75	518	DAY	TWA		3.200 PPM	462	462	SINGLE		
			08/22/75	522	DAY	STEL		25.800 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			08/29/75	538	DAY	STEL		18.340 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			08/29/75	539	DAY	STEL		27.900 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			09/08/75	560	DAY	TWA		0.610 PPM	480	480	SINGLE		
			09/09/75	564	DAY	STEL	<	0.010 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			09/09/75	565	DAY	STEL	<	0.010 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			09/09/75	566	DAY	STEL		5.810 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			09/09/75	567	DAY	STEL		33.780 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			09/12/75	576	DAY	STEL		7.730 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			09/12/75	578	DAY	STEL		65.550 PPM	1		SINGLE		
			10/28/75	675	DAY	TWA		0.230 PPM	480	480	SINGLE		
			11/07/75	698	DAY	TWA	<	0.010 PPM	415	415	SINGLE		
			11/12/75	710	DAY	TWA		0.120 PPM	480	480	SINGLE		
			12/03/75	743	DAY	TWA		12.140 PPM	480	480	SINGLE	AIR-SPL	FUL-FACE

NORMAL	PERSONAL	CUSTODIAL	02/11/75	088	DAY	TWA	<	0.010 PPM	270	270	SINGLE		
			03/11/75	138	DAY	TWA	<	0.010 PPM	240	240	SINGLE		
			04/04/75	192	DAY	TWA		0.840 PPM	240	240	SINGLE		
			05/13/75	272	DAY	TWA		0.140 PPM	492	492	SINGLE		
			06/12/75	344	DAY	TWA		0.510 PPM	470	470	SINGLE		
			07/18/75	433	DAY	TWA	<	0.010 PPM	494	494	SINGLE		
			08/18/75	511	DAY	TWA		2.260 PPM	468	468	SINGLE		
			10/15/75	652	DAY	TWA	<	0.010 PPM	480	480	SINGLE		
			11/24/75	731	DAY	TWA		4.800 PPM	427	427	SINGLE		

-NORMAL	PERSONAL	ELECTRICIAN	01/10/75	033	DAY	TWA	<	0.010 PPM	240	240	SINGLE		
			02/11/75	086	DAY	TWA		0.370 PPM	240	240	SINGLE		
			03/11/75	139	DAY	TWA		0.120 PPM	240	240	SINGLE		
			04/03/75	186	NIGHT	TWA	<	0.010 PPM	240	240	SINGLE		
			05/07/75	258	DAY	TWA		0.110 PPM	472	472	SINGLE		
			06/05/75	319	DAY	TWA		0.650 PPM	480	480	SINGLE		
			06/25/75	380	DAY	TWA		1.010 PPM	485	485	SINGLE		
			07/30/75	462	DAY	TWA	<	0.010 PPM	490	490	SINGLE		
08/18/75	512	DAY	TWA	<	0.010 PPM	460	460	SINGLE					

CCR 000012417

REPORT NO. 25-7390
SOURCE NR739
JOB NO. RUNKBN75

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY CONTAMINANT
ETHYLENE DICHLORIDE

PAGE NO. 8
DATE 03/13/84
TIME 14.24.41

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	TASK	SAMPLE DATE	ID	MON SHIFT	STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG

PROCESS: PLANT-WIDE, MAINTENANCE													
NORMAL	PERSONAL	ELECTRICIAN	08/21/75	519	DAY	TWA	0.290	PPM	490	490	SINGLE		
			08/27/75	534	DAY	TWA	3.780	PPM	450	450	SINGLE		
			09/03/75	545	DAY	TWA	2.560	PPM	480	480	SINGLE		
			10/29/75	679	DAY	TWA	0.330	PPM	490	490	SINGLE		
			12/03/75	744	DAY	TWA	9.380	PPM	435	435	SINGLE		
			12/30/75	778	DAY	TWA	5.650	PPM	480	480	SINGLE		
NORMAL	PERSONAL	INSTRUMENTMAN	01/09/75	025	DAY	TWA	0.190	PPM	244	244	SINGLE		
			02/13/75	093	DAY	TWA	0.050	PPM	240	240	SINGLE		
			03/13/75	148	DAY	TWA	2.520	PPM	240	240	SINGLE		
			04/29/75	243	DAY	TWA	0.020	PPM	222	222	SINGLE		
			05/09/75	264	DAY	TWA	0.010	PPM	495	495	SINGLE		
			05/20/75	290	DAY	TWA	0.360	PPM	480	480	SINGLE		
			06/12/75	345	DAY	TWA	0.070	PPM	470	470	SINGLE		
			06/19/75	367	DAY	TWA	2.830	PPM	455	455	SINGLE		
			06/26/75	382	DAY	TWA	1.180	PPM	475	475	SINGLE		
			07/09/75	411	DAY	TWA	< 0.010	PPM	530	530	SINGLE		
			07/24/75	447	DAY	TWA	0.590	PPM	495	495	SINGLE	AIR-SPL FUL-FACE	
			08/19/75	513	DAY	TWA	0.210	PPM	480	480	SINGLE		
			09/05/75	553	DAY	TWA	3.460	PPM	450	450	SINGLE		
			09/12/75	575	DAY	TWA	1.360	PPM	490	490	SINGLE		
			09/25/75	612	DAY	TWA	0.810	PPM	450	450	SINGLE		
			10/08/75	636	DAY	TWA	0.100	PPM	460	460	SINGLE	AIR-SPL FUL-FACE	
			10/23/75	669	DAY	TWA	< 0.010	PPM	470	470	SINGLE		
			11/13/75	713	DAY	TWA	0.100	PPM	453	453	SINGLE		
			12/04/75	745	DAY	TWA	4.430	PPM	500	500	SINGLE		
NORMAL	PERSONAL	MAINT LEAD MAN	01/16/75	053	DAY	TWA	0.040	PPM	263	263	SINGLE		
			02/10/75	084	DAY	TWA	< 0.010	PPM	240	240	SINGLE		
			03/10/75	135	DAY	TWA	1.040	PPM	240	240	SINGLE		
			03/20/75	163	DAY	TWA	0.270	PPM	240	240	SINGLE		
			04/04/75	194	DAY	TWA	0.350	PPM	240	240	SINGLE		
			04/06/75	215	NIGHT	TWA	0.090	PPM	240	240	SINGLE		
			05/12/75	265	DAY	TWA	0.100	PPM	120	120	SINGLE	AIR-SPL FUL-FACE	
			05/15/75	281	DAY	TWA	< 0.010	PPM	440	440	SINGLE		
			06/13/75	346	DAY	TWA	0.880	PPM	472	472	SINGLE		
			06/20/75	373	DAY	TWA	0.550	PPM	490	490	SINGLE		
			07/15/75	424	DAY	TWA	< 0.010	PPM	420	420	SINGLE		
			07/22/75	442	DAY	TWA	< 0.010	PPM	440	440	SINGLE		
			08/07/75	482	DAY	TWA	0.220	PPM	465	465	SINGLE		

CCR 000012418

REPORT NO. 25-7390
SOURCE NR739
JOB NO. RUNKBN75

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY CONTAMINANT
ETHYLENE DICHLORIDE

PAGE NO. 9
DATE 03/13/84
TIME 14.24.41

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	TASK	SAMPLE DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG

PROCESS: PLANT-WIDE, MAINTENANCE													
NORMAL	PERSONAL	MAINT LEAD MAN	08/11/75	491	DAY	TWA	0.130	PPM	475	475	SINGLE		
			10/20/75	662	DAY	TWA	0.190	PPM	465	465	SINGLE		
			11/06/75	696	DAY	TWA	0.250	PPM	480	480	SINGLE		
			11/12/75	709	DAY	TWA	1.670	PPM	490	490	SINGLE		
			11/14/75	717	DAY	TWA	0.830	PPM	456	456	SINGLE		
			12/19/75	763	DAY	TWA	6.770	PPM	480	480	SINGLE		
			12/23/75	775	DAY	TWA	14.330	PPM	396	396	SINGLE		
NORMAL	PERSONAL	MAINT SUPERVISOR	01/13/75	044	DAY	TWA	<	0.010	PPM	225	225	SINGLE	
			01/13/75	045	DAY	TWA	<	0.010	PPM	248	248	SINGLE	
			02/20/75	110	DAY	TWA		1.070	PPM	240	240	SINGLE	
			05/06/75	253	DAY	TWA		0.120	PPM	515	515	SINGLE	
			06/09/75	332	DAY	TWA		0.160	PPM	450	450	SINGLE	
			07/31/75	469	DAY	TWA	<	0.010	PPM	540	540	SINGLE	
			08/22/75	524	DAY	TWA		0.110	PPM	465	465	SINGLE	
			08/25/75	528	DAY	TWA		1.150	PPM	480	480	SINGLE	
			11/03/75	688	DAY	TWA	<	0.010	PPM	494	494	SINGLE	
			12/16/75	759	DAY	TWA		0.700	PPM	490	490	SINGLE	
NORMAL	PERSONAL	MECH GENERAL	01/15/75	048	DAY	TWA		0.040	PPM	247	247	SINGLE	
			02/12/75	092	DAY	TWA		0.070	PPM	240	240	SINGLE	
			03/12/75	142	DAY	TWA		0.170	PPM	240	240	SINGLE	
			04/04/75	193	DAY	TWA		0.580	PPM	230	230	SINGLE	
			05/12/75	266	DAY	TWA		0.440	PPM	444	444	SINGLE	
			06/25/75	379	DAY	TWA		2.070	PPM	465	465	SINGLE	
			07/24/75	448	DAY	TWA		0.070	PPM	460	460	SINGLE	
			12/18/75	761	DAY	TWA		5.120	PPM	430	430	SINGLE	
NORMAL	PERSONAL	MECH HELPER	01/13/75	039	DAY	TWA		2.350	PPM	232	232	SINGLE	
			06/23/75	376	DAY	TWA		0.420	PPM	525	525	SINGLE	
			07/29/75	458	DAY	TWA	<	0.010	PPM	400	400	SINGLE	
			08/07/75	481	DAY	TWA		0.130	PPM	480	480	SINGLE	
			09/18/75	591	DAY	STEL		98.180	PPM	1		SINGLE	
			10/02/75	626	DAY	TWA		1.700	PPM	480	480	SINGLE	
			12/05/75	747	DAY	TWA		1.500	PPM	480	480	SINGLE	
NORMAL	PERSONAL	MILLRIGHT/PUMP MECH	01/09/75	027	DAY	TWA		0.110	PPM	245	245	SINGLE	
			01/09/75	028	DAY	TWA		0.200	PPM	490	490	SINGLE	
			01/28/75	058	DAY	TWA		0.020	PPM	266	266	SINGLE	
			01/28/75	059	DAY	TWA		0.020	PPM	266	266	SINGLE	

CCR 000012419

REPORT NO. 25-7390
SOURCE NR739
JOB NO. RUNKBN75

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY CONTAMINANT
ETHYLENE DICHLORIDE

PAGE NO. 10
DATE 03/13/84
TIME 14.24.41

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	TASK	SAMPLE DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
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PROCESS: PLANT-WIDE, MAINTENANCE

NORMAL	PERSONAL	MILLRIGHT/PUMP MECH	02/05/75	075	DAY	TWA	0.020	PPM	255	255	SINGLE		
			03/05/75	126	DAY	TWA	1.030	PPM	240	240	SINGLE		
			03/26/75	167	DAY	STEL	0.260	PPM	1		SINGLE		
			04/02/75	183	DAY	TWA	1.270	PPM	258	258	SINGLE		
			04/05/75	197	EVENG	TWA	11.640	PPM	204	204	SINGLE		
			04/07/75	226	DAY	TWA	< 0.010	PPM	230	230	SINGLE		
			05/02/75	248	DAY	STEL	< 0.010	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			05/15/75	279	DAY	TWA	0.050	PPM	487	487	SINGLE		
			06/17/75	356	DAY	STEL	37.780	PPM	1		SINGLE		
			06/19/75	363	DAY	TWA	1.170	PPM	480	480	SINGLE		
			07/06/75	399	EVENG	STEL	20.020	PPM	1		SINGLE		
			07/06/75	400	EVENG	STEL	3.460	PPM	1		SINGLE		
			07/10/75	414	EVENG	TWA	< 0.010	PPM	180	180	SINGLE		
			07/23/75	445	DAY	TWA	< 0.010	PPM	420	420	SINGLE		
			07/24/75	450	DAY	TWA	0.110	PPM	493	493	SINGLE		
			08/07/75	484	DAY	TWA	0.200	PPM	460	460	SINGLE		
			09/08/75	558	DAY	TWA	3.550	PPM	480	480	SINGLE		
			09/15/75	581	DAY	TWA	4.630	PPM	450	450	SINGLE	AIR-SPL FUL-FACE	
			09/23/75	609	DAY	TWA	0.660	PPM	485	485	SINGLE		
			10/08/75	637	DAY	TWA	0.120	PPM	483	483	SINGLE		
			11/17/75	725	DAY	TWA	< 0.010	PPM	486	486	SINGLE		
			12/04/75	746	DAY	TWA	4.210	PPM	492	492	SINGLE		
			12/08/75	749	DAY	TWA	3.480	PPM	447	447	SINGLE		

NORMAL	PERSONAL	PIPE FITTER	01/08/75	017	DAY	TWA	0.020	PPM	236	236	SINGLE		
			02/19/75	108	DAY	TWA	< 0.010	PPM	240	240	SINGLE		
			02/21/75	114	DAY	TWA	0.240	PPM	240	240	SINGLE		
			02/26/75	118	DAY	STEL	10.360	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			03/13/75	149	DAY	TWA	0.710	PPM	220	220	SINGLE		
			03/19/75	157	DAY	TWA	4.160	PPM	248	248	SINGLE	AIR-SPL FUL-FACE	
			03/26/75	168	DAY	TWA	0.020	PPM	250	250	SINGLE		
			04/05/75	202	NIGHT	TWA	0.040	PPM	224	224	SINGLE		
			04/07/75	222	NIGHT	TWA	< 0.010	PPM	236	236	SINGLE		
			05/08/75	261	DAY	TWA	0.450	PPM	484	484	SINGLE		
			05/08/75	262	DAY	TWA	9.610	PPM	485	485	SINGLE		
			05/20/75	291	DAY	TWA	0.530	PPM	480	480	SINGLE		
			06/18/75	359	DAY	TWA	0.480	PPM	433	433	SINGLE		
			06/18/75	362	DAY	TWA	0.590	PPM	420	420	SINGLE		
			07/06/75	398	EVENG	STEL	5.490	PPM	1		SINGLE		
			07/17/75	431	DAY	TWA	0.010	PPM	470	470	SINGLE		

CCR 000012420

REPORT NO. 25-7390
SOURCE NR739
JOB NO. RUNKBN75

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY CONTAMINANT
ETHYLENE DICHLORIDE

PAGE NO. 11
DATE 03/13/84
TIME 14.24.41

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	TASK	SAMPLE DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
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PROCESS: PLANT-WIDE, MAINTENANCE

NORMAL	PERSONAL	PIPE FITTER	08/07/75	485	DAY	TWA	0.160	PPM	492	492	SINGLE		
			08/27/75	535	DAY	TWA	2.550	PPM	495	495	SINGLE		
			09/09/75	562	DAY	TWA	5.750	PPM	490	490	SINGLE		
			09/18/75	592	DAY	STEL	< 0.010	PPM	1		SINGLE		
			09/23/75	603	DAY	TWA	< 0.010	PPM	460	460	SINGLE		
			09/23/75	608	DAY	TWA	0.110	PPM	455	455	SINGLE		
			09/24/75	610	DAY	TWA	0.100	PPM	510	510	SINGLE		
			09/25/75	614	DAY	TWA	0.370	PPM	540	540	SINGLE		
			10/09/75	638	DAY	TWA	0.100	PPM	470	470	SINGLE		
			10/28/75	676	DAY	TWA	< 0.010	PPM	454	454	SINGLE		
			11/18/75	727	DAY	TWA	< 0.010	PPM	470	470	SINGLE		
			11/26/75	737	DAY	TWA	4.920	PPM	510	510	SINGLE		
			12/08/75	748	DAY	TWA	4.010	PPM	450	450	SINGLE		
			12/09/75	750	DAY	TWA	0.900	PPM	457	457	SINGLE		

NORMAL	PERSONAL	WELDER	01/08/75	019	DAY	TWA	< 0.010	PPM	262	262	SINGLE		
			01/13/75	040	DAY	TWA	0.490	PPM	476	476	SINGLE		
			02/26/75	117	DAY	TWA	0.510	PPM	249	249	SINGLE	AIR-SPL	FUL-FACE
			03/14/75	151	DAY	TWA	< 0.010	PPM	240	240	SINGLE		
			04/05/75	196	EVENG	TWA	2.330	PPM	220	220	SINGLE		
			04/05/75	198	EVENG	TWA	77.390	PPM	175	175	SINGLE		
			04/06/75	213	NIGHT	TWA	0.160	PPM	270	270	SINGLE		
			04/06/75	219	NIGHT	TWA	0.270	PPM	110	110	SINGLE		
			04/08/75	228	NIGHT	TWA	0.010	PPM	251	251	SINGLE		
			04/09/75	229	DAY	TWA	< 0.010	PPM	227	227	SINGLE		
			05/20/75	292	DAY	TWA	0.510	PPM	480	480	SINGLE		
			06/16/75	353	DAY	TWA	0.170	PPM	468	468	SINGLE		
			06/25/75	378	DAY	TWA	1.320	PPM	472	472	SINGLE	AIR-SPL	FUL-FACE
			07/06/75	396	DAY	STEL	24.890	PPM	1		SINGLE		
			07/07/75	401	DAY	TWA	0.310	PPM	330	330	SINGLE		
			07/15/75	425	DAY	TWA	< 0.010	PPM	420	420	SINGLE		
			07/22/75	438	DAY	TWA	< 0.010	PPM	420	420	SINGLE		
			08/05/75	475	DAY	TWA	0.840	PPM	460	460	SINGLE		
			08/27/75	536	DAY	TWA	1.840	PPM	480	480	SINGLE		
			09/10/75	570	DAY	TWA	< 0.010	PPM	465	465	SINGLE		
			09/12/75	577	DAY	TWA	< 0.100	PPM	220	220	SINGLE		
			10/21/75	665	DAY	TWA	< 0.010	PPM	480	480	SINGLE		
			10/28/75	674	DAY	TWA	< 0.010	PPM	480	480	SINGLE		
			10/29/75	681	DAY	TWA	0.080	PPM	470	470	SINGLE		
			11/19/75	728	DAY	TWA	< 0.010	PPM	485	485	SINGLE		

CCR 000012421

REPORT NO. 25-7390
SOURCE NR739
JOB NO. RUNKBN75

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY CONTAMINANT

ETHYLENE DICHLORIDE

PAGE NO. 12
DATE 03/13/84
TIME 14.24.41

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	TASK	SAMPLE DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
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PROCESS: PLANT-WIDE, MAINTENANCE

NORMAL	PERSONAL	WELDER	12/09/75	751	DAY	TWA	1.210	PPM	460	460	SINGLE		
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PROCESS: VCM PRODUCTION UNIT

NORMAL	PERSONAL	IN, BOARDMAN/OPER	01/08/75	011	NIGHT	TWA	0.240	PPM	240	240	SINGLE			
			01/09/75	024	DAY	TWA	0.140	PPM	230	230	SINGLE			
			01/09/75	029	EVENG	TWA	<	0.010	PPM	240	240	SINGLE		
			02/07/75	082	DAY	TWA		0.040	PPM	240	240	SINGLE		
			02/10/75	085	NIGHT	TWA		0.070	PPM	240	240	SINGLE		
			02/19/75	109	EVENG	TWA		0.650	PPM	240	240	SINGLE		
			03/07/75	132	DAY	TWA		0.080	PPM	240	240	SINGLE		
			03/12/75	144	NIGHT	TWA		0.060	PPM	240	240	SINGLE		
			03/18/75	155	EVENG	TWA		0.160	PPM	240	240	SINGLE		
			04/02/75	179	NIGHT	TWA		0.330	PPM	240	240	SINGLE		
			04/02/75	182	DAY	TWA		0.420	PPM	335	335	SINGLE		
			04/28/75	240	EVENG	TWA		0.070	PPM	255	255	SINGLE		
			04/28/75	241	NIGHT	TWA	<	0.010	PPM	245	245	SINGLE		
			05/06/75	255	EVENG	TWA		0.120	PPM	460	460	SINGLE		
			05/13/75	273	DAY	TWA		0.120	PPM	420	420	SINGLE		
			05/22/75	296	EVENG	TWA	<	0.010	PPM	473	473	SINGLE		
			05/24/75	300	NIGHT	TWA		0.020	PPM	450	450	SINGLE		
			06/03/75	315	NIGHT	TWA		0.200	PPM	460	460	SINGLE		
			06/06/75	326	EVENG	TWA		1.960	PPM	440	440	SINGLE		
			06/09/75	331	DAY	TWA		1.590	PPM	468	468	SINGLE		
			07/15/75	421	DAY	TWA	<	0.010	PPM	370	370	SINGLE		
			07/16/75	428	EVENG	TWA		0.010	PPM	450	450	SINGLE		
			07/29/75	460	NIGHT	TWA	<	0.010	PPM	455	455	SINGLE		
			08/15/75	508	DAY	TWA	<	0.010	PPM	435	435	SINGLE		
			08/23/75	525	NIGHT	TWA	<	0.010	PPM	420	420	SINGLE		
			09/08/75	561	EVENG	TWA		1.320	PPM	390	390	SINGLE		
			09/09/75	568	NIGHT	TWA		1.640	PPM	421	421	SINGLE		
			09/24/75	611	DAY	TWA		0.150	PPM	460	460	SINGLE		
			10/09/75	639	DAY	TWA		0.480	PPM	435	435	SINGLE		
			10/20/75	660	EVENG	TWA	<	0.010	PPM	453	453	SINGLE		
			10/28/75	677	EVENG	TWA	<	0.010	PPM	428	428	SINGLE		
			11/04/75	690	DAY	TWA		1.060	PPM	425	425	SINGLE		
			11/25/75	732	EVENG	TWA	<	0.010	PPM	435	435	SINGLE		
			12/11/75	754	DAY	TWA		1.880	PPM	450	450	SINGLE		
			12/24/75	777	DAY	TWA		24.650	PPM	364	364	SINGLE		

NORMAL	PERSONAL	OPER SHIFT SUPERVSR	01/02/75	003	NIGHT	STEL	<	0.010	PPM	1		SINGLE	
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CCR 000012422

REPORT NO. 25-7390
SOURCE NR739
JOB NO. RUNKBN75

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY CONTAMINANT
ETHYLENE DICHLORIDE

PAGE NO. 13
DATE 03/13/84
TIME 14.24.41

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	TASK	SAMPLE DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
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PROCESS: VCM PRODUCTION UNIT

NORMAL	PERSONAL	OPER SHIFT SUPERVSR	01/02/75	004	DAY	TWA	<	0.010 PPM	105	105	SINGLE		
			01/09/75	022	NIGHT	TWA	<	0.010 PPM	240	240	SINGLE		
			01/10/75	037	DAY	TWA	<	0.010 PPM	230	230	SINGLE		
			01/16/75	050	EVENG	TWA		1.430 PPM	240	240	SINGLE		
			02/04/75	069	DAY	TWA		0.120 PPM	240	240	SINGLE		
			02/12/75	090	EVENG	TWA		0.090 PPM	240	240	SINGLE		
			02/15/75	097	EVENG	STEL	<	0.010 PPM	1		SINGLE		
			02/16/75	098	DAY	STEL	<	0.010 PPM	1		SINGLE		
			02/16/75	099	NIGHT	TWA	<	0.010 PPM	265	265	SINGLE		
			02/20/75	112	NIGHT	TWA		2.880 PPM	240	240	SINGLE		
			03/04/75	123	DAY	TWA		0.440 PPM	240	240	SINGLE		
			03/12/75	141	EVENG	TWA		0.220 PPM	240	240	SINGLE		
			03/20/75	162	NIGHT	TWA		0.070 PPM	240	240	SINGLE		
			03/27/75	169	NIGHT	TWA	<	0.010 PPM	75	75	SINGLE	AIR-SPL	FUL-FACE
			03/27/75	170	EVENG	STEL	<	0.010 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			04/01/75	175	DAY	TWA		1.000 PPM	240	240	SINGLE		
			04/04/75	191	EVENG	TWA		0.100 PPM	240	240	SINGLE		
			04/15/75	230	DAY	STEL		0.500 PPM	1		SINGLE		
			04/15/75	231	EVENG	STEL	<	0.010 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			04/16/75	232	DAY	STEL	<	0.010 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			04/28/75	234	NIGHT	TWA	<	0.010 PPM	235	235	SINGLE		
			05/06/75	254	DAY	TWA		0.130 PPM	435	435	SINGLE		
			05/15/75	278	EVENG	TWA		0.100 PPM	445	445	SINGLE		
			05/19/75	285	NIGHT	TWA		0.080 PPM	460	460	SINGLE	AIR-SPL	FUL-FACE
			05/24/75	299	DAY	STEL	<	0.010 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			05/25/75	301	DAY	TWA		0.640 PPM	75	75	SINGLE	AIR-SPL	FUL-FACE
			05/26/75	302	NIGHT	TWA	<	0.010 PPM	60	60	SINGLE	AIR-SPL	FUL-FACE
			05/29/75	307	EVENG	TWA	<	0.010 PPM	105	105	SINGLE	AIR-SPL	FUL-FACE
			05/30/75	309	NIGHT	STEL	<	0.010 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			06/02/75	311	DAY	TWA		0.640 PPM	295	295	SINGLE		
			06/08/75	329	DAY	TWA		0.030 PPM	420	420	SINGLE	AIR-SPL	FUL-FACE
			06/08/75	330	NIGHT	TWA		0.410 PPM	435	435	SINGLE	AIR-SPL	FUL-FACE
			06/12/75	343	EVENG	TWA		1.330 PPM	480	480	SINGLE		
			06/14/75	349	EVENG	TWA		0.440 PPM	495	495	SINGLE	AIR-SPL	FUL-FACE
			06/14/75	350	EVENG	STEL	<	0.010 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			06/14/75	351	DAY	TWA		0.360 PPM	420	420	SINGLE		
			06/15/75	352	NIGHT	TWA		0.190 PPM	60	60	SINGLE	AIR-SPL	FUL-FACE
			06/15/75	365	NIGHT	TWA		0.980 PPM	420	420	SINGLE	AIR-SPL	FUL-FACE
			06/26/75	385	NIGHT	TWA		0.940 PPM	430	430	SINGLE		
			06/27/75	387	EVENG	TWA		0.700 PPM	60	60	SINGLE	AIR-SPL	FUL-FACE

CCR 000012423

REPORT NO. 25-7390
SOURCE NR739
JOB NO. RUNKBN75

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY CONTAMINANT
ETHYLENE DICHLORIDE

PAGE NO. 14
DATE 03/13/84
TIME 14.24.41

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	TASK	SAMPLE DATE	ID	MON SHIFT	STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
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PROCESS: VCM PRODUCTION UNIT

NORMAL	PERSONAL	OPER SHIFT SUPERVSR	06/27/75	388	EVENG	TWA	0.520	PPM	495	495	SINGLE	AIR-SPL FUL-FACE	
			06/27/75	389	DAY	TWA	0.850	PPM	450	450	SINGLE	AIR-SPL FUL-FACE	
			06/28/75	390	NIGHT	TWA	0.540	PPM	450	450	SINGLE	AIR-SPL FUL-FACE	
			06/28/75	391	NIGHT	STEL	1.140	PPM	1	1	SINGLE	AIR-SPL FUL-FACE	
			07/08/75	408	NIGHT	TWA	0.200	PPM	455	455	SINGLE	AIR-SPL FUL-FACE	
			07/14/75	419	EVENG	TWA <	0.010	PPM	380	380	SINGLE	AIR-SPL FUL-FACE	
			07/14/75	420	NIGHT	STEL <	0.010	PPM	1	1	SINGLE	AIR-SPL FUL-FACE	
			07/20/75	434	NIGHT	TWA <	0.010	PPM	100	100	SINGLE	AIR-SPL FUL-FACE	
			07/20/75	435	EVENG	TWA <	0.010	PPM	380	380	SINGLE	AIR-SPL FUL-FACE	
			07/22/75	441	DAY	TWA <	0.010	PPM	473	473	SINGLE	AIR-SPL FUL-FACE	
			07/25/75	452	NIGHT	TWA	13.820	PPM	450	450	SINGLE	AIR-SPL FUL-FACE	
			07/26/75	453	DAY	TWA <	0.010	PPM	290	290	SINGLE	AIR-SPL FUL-FACE	
			07/28/75	456	NIGHT	TWA <	0.010	PPM	455	455	SINGLE	AIR-SPL FUL-FACE	
			07/29/75	461	EVENG	TWA <	0.010	PPM	480	480	SINGLE	AIR-SPL FUL-FACE	
			07/30/75	464	DAY	TWA <	0.010	PPM	480	480	SINGLE	AIR-SPL FUL-FACE	
			08/02/75	470	EVENG	TWA	0.220	PPM	470	470	SINGLE	AIR-SPL FUL-FACE	
			08/02/75	471	NIGHT	TWA <	0.010	PPM	480	480	SINGLE	AIR-SPL FUL-FACE	
			08/04/75	472	DAY	TWA <	0.010	PPM	432	432	SINGLE	AIR-SPL FUL-FACE	
			08/11/75	488	DAY	STEL <	0.010	PPM	1	1	SINGLE	AIR-SPL FUL-FACE	
			08/11/75	489	DAY	TWA <	0.010	PPM	315	315	SINGLE	AIR-SPL FUL-FACE	
			08/11/75	490	DAY	STEL	0.010	PPM	1	1	SINGLE	AIR-SPL FUL-FACE	
			08/12/75	493	DAY	TWA <	0.010	PPM	455	455	SINGLE	AIR-SPL FUL-FACE	
			08/15/75	509	NIGHT	TWA	0.600	PPM	345	345	SINGLE	AIR-SPL FUL-FACE	
			08/26/75	529	EVENG	TWA <	0.010	PPM	60	60	SINGLE	AIR-SPL FUL-FACE	
			08/26/75	530	EVENG	TWA	1.740	PPM	480	480	SINGLE	AIR-SPL FUL-FACE	
			08/26/75	531	NIGHT	TWA	0.670	PPM	420	420	SINGLE	AIR-SPL FUL-FACE	
			08/26/75	532	DAY	TWA	0.890	PPM	420	420	SINGLE	AIR-SPL FUL-FACE	
			09/02/75	544	NIGHT	TWA	1.190	PPM	480	480	SINGLE	AIR-SPL FUL-FACE	
			09/03/75	546	EVENG	TWA	5.580	PPM	465	465	SINGLE	AIR-SPL FUL-FACE	
			09/09/75	563	NIGHT	TWA	1.890	PPM	440	440	SINGLE	AIR-SPL FUL-FACE	
			09/13/75	580	EVENG	TWA	0.120	PPM	60	60	SINGLE	AIR-SPL FUL-FACE	
			09/16/75	582	DAY	TWA	0.450	PPM	105	105	SINGLE	AIR-SPL FUL-FACE	
			09/17/75	585	EVENG	TWA	3.400	PPM	440	440	SINGLE	AIR-SPL FUL-FACE	
			09/17/75	586	EVENG	TWA	3.560	PPM	65	65	SINGLE	AIR-SPL FUL-FACE	
			09/17/75	587	NIGHT	TWA	8.440	PPM	270	270	SINGLE	AIR-SPL FUL-FACE	
			09/17/75	588	NIGHT	TWA <	0.010	PPM	66	66	SINGLE	AIR-SPL FUL-FACE	
			09/17/75	589	DAY	TWA	2.770	PPM	465	465	SINGLE	AIR-SPL FUL-FACE	
			09/23/75	607	DAY	TWA	0.190	PPM	475	475	SINGLE	AIR-SPL FUL-FACE	
			09/27/75	616	DAY	TWA <	0.010	PPM	480	480	SINGLE	AIR-SPL FUL-FACE	
			09/27/75	617	EVENG	TWA	0.130	PPM	395	395	SINGLE	AIR-SPL FUL-FACE	

CCR 000012424

REPORT NO. 25-7390
SOURCE NR739
JOB NO. RUNKBN75

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY CONTAMINANT
ETHYLENE DICHLORIDE

PAGE NO. 15
DATE 03/13/84
TIME 14.24.41

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	TASK	SAMPLE DATE	ID	MON SHIFT	STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
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PROCESS: VCM PRODUCTION UNIT

NORMAL	PERSONAL	OPER SHIFT SUPERVSR	09/27/75	618	EVENG	STEL	<	0.010 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			09/28/75	619	NIGHT	TWA	<	0.010 PPM	440	440	SINGLE	AIR-SPL	FUL-FACE
			09/28/75	620	NIGHT	STEL		0.050 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			10/03/75	628	NIGHT	TWA		0.370 PPM	355	355	SINGLE		
			10/03/75	629	NIGHT	STEL	<	0.010 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			10/03/75	630	EVENG	STEL	<	0.010 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			10/03/75	631	EVENG	TWA		0.540 PPM	433	433	SINGLE	AIR-SPL	FUL-FACE
			10/06/75	634	EVENG	TWA		0.710 PPM	365	365	SINGLE		
			10/07/75	635	NIGHT	TWA		0.080 PPM	420	420	SINGLE		
			10/14/75	645	NIGHT	TWA	<	0.010 PPM	440	440	SINGLE		
			10/14/75	646	EVENG	TWA	<	0.010 PPM	195	195	SINGLE	AIR-SPL	FUL-FACE
			10/14/75	647	EVENG	STEL	<	0.010 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			10/15/75	650	EVENG	STEL	<	0.010 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			10/15/75	651	EVENG	TWA	<	0.010 PPM	470	470	SINGLE		
			10/24/75	670	EVENG	TWA	<	0.010 PPM	361	361	SINGLE	AIR-SPL	FUL-FACE
			10/24/75	671	EVENG	STEL	<	0.010 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			10/29/75	680	EVENG	TWA		0.150 PPM	310	310	SINGLE		
			10/29/75	682	NIGHT	TWA	<	0.010 PPM	440	440	SINGLE		
			11/08/75	700	EVENG	TWA		0.570 PPM	365	365	SINGLE	AIR-SPL	FUL-FACE
			11/08/75	701	EVENG	STEL		2.270 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			11/08/75	702	DAY	TWA		8.570 PPM	420	420	SINGLE		
			11/09/75	703	NIGHT	TWA		4.560 PPM	420	420	SINGLE		
			11/11/75	705	NIGHT	TWA		0.630 PPM	60	60	SINGLE	AIR-SPL	FUL-FACE
			11/11/75	706	NIGHT	TWA		0.010 PPM	460	460	SINGLE	AIR-SPL	FUL-FACE
			11/11/75	708	EVENG	TWA		0.030 PPM	420	420	SINGLE		
			11/12/75	711	DAY	STEL		0.060 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			11/12/75	712	DAY	TWA	<	0.010 PPM	470	470	SINGLE	AIR-SPL	FUL-FACE
			11/13/75	714	NIGHT	TWA		0.060 PPM	430	430	SINGLE		
			11/14/75	716	EVENG	STEL	<	0.010 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			11/14/75	718	DAY	STEL		12.130 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			11/14/75	719	DAY	TWA		1.120 PPM	410	410	SINGLE	AIR-SPL	FUL-FACE
			11/17/75	720	EVENG	STEL	<	0.010 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			11/17/75	721	EVENG	TWA		0.430 PPM	480	480	SINGLE	AIR-SPL	FUL-FACE
			11/17/75	723	NIGHT	STEL	<	0.010 PPM	1		SINGLE		
			11/17/75	724	DAY	TWA	<	0.010 PPM	270	270	SINGLE		
			11/18/75	726	NIGHT	TWA	<	0.010 PPM	470	470	SINGLE	AIR-SPL	FUL-FACE
			11/29/75	738	EVENG	TWA	<	0.010 PPM	444	444	SINGLE		
			12/10/75	753	EVENG	TWA		1.440 PPM	490	490	SINGLE		
			12/15/75	755	EVENG	STEL	<	0.010 PPM	1		SINGLE	AIR-SPL	FUL-FACE
			12/15/75	756	EVENG	TWA		2.300 PPM	456	456	SINGLE	AIR-SPL	FUL-FACE

CCR 000012425

REPORT NO. 25-7390
SOURCE NR739
JOB NO. RUNKBN75

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY CONTAMINANT

PAGE NO. 16
DATE 03/13/84
TIME 14.24.41

ETHYLENE DICHLORIDE

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	TASK	SAMPLE DATE	ID	MON SHIFT	STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
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PROCESS: VCM PRODUCTION UNIT

NORMAL	PERSONAL	OPER SHIFT SUPERVSR	12/15/75	757	DAY	TWA	4.090	PPM	475	475	SINGLE		
			12/16/75	758	NIGHT	STEL	1.840	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			12/20/75	764	DAY	TWA	4.800	PPM	480	480	SINGLE	AIR-SPL	FUL-FACE
			12/20/75	765	EVENG	TWA	2.400	PPM	420	420	SINGLE		
			12/21/75	766	EVENG	TWA	10.680	PPM	375	375	SINGLE	AIR-SPL	FUL-FACE
			12/21/75	767	EVENG	TWA	1.040	PPM	75	75	SINGLE	AIR-SPL	FUL-FACE
			12/21/75	768	NIGHT	TWA	0.820	PPM	90	90	SINGLE	AIR-SPL	FUL-FACE
			12/21/75	769	NIGHT	TWA	5.140	PPM	420	420	SINGLE	AIR-SPL	FUL-FACE
			12/21/75	781	DAY	TWA	2.990	PPM	470	470	SINGLE		
			12/22/75	770	DAY	TWA	7.990	PPM	480	480	SINGLE	AIR-SPL	FUL-FACE
			12/22/75	771	DAY	TWA	0.040	PPM	105	105	SINGLE	AIR-SPL	FUL-FACE
			12/22/75	772	EVENG	STEL	0.100	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			12/22/75	773	NIGHT	TWA	11.410	PPM	315	315	SINGLE		

NORMAL	PERSONAL	OUT, APPRENTICE OPER	01/07/75	010	DAY	TWA	2.390	PPM	420	420	SINGLE		
			01/08/75	015	NIGHT	TWA	< 0.010	PPM	240	240	SINGLE		
			01/09/75	030	DAY	TWA	1.230	PPM	195	195	SINGLE		
			01/16/75	051	EVENG	TWA	0.180	PPM	240	240	SINGLE		
			01/16/75	052	EVENG	TWA	0.190	PPM	240	240	SINGLE		
			01/17/75	054	NIGHT	TWA	0.030	PPM	240	240	SINGLE		
			02/05/75	070	EVENG	TWA	< 0.010	PPM	240	240	SINGLE		
			02/06/75	078	DAY	TWA	0.020	PPM	240	240	SINGLE		
			02/11/75	087	NIGHT	TWA	< 0.010	PPM	240	240	SINGLE		
			02/13/75	095	DAY	TWA	0.030	PPM	240	240	SINGLE		
			02/18/75	101	NIGHT	TWA	< 0.010	PPM	240	240	SINGLE		
			02/18/75	102	EVENG	TWA	0.220	PPM	245	245	SINGLE		
			02/18/75	103	NIGHT	TWA	< 0.010	PPM	240	240	SINGLE		
			02/25/75	115	NIGHT	TWA	< 0.010	PPM	240	240	SINGLE		
			03/05/75	127	EVENG	TWA	0.720	PPM	240	240	SINGLE		
			03/07/75	134	DAY	TWA	0.070	PPM	240	240	SINGLE		
			03/11/75	137	NIGHT	TWA	1.650	PPM	240	240	SINGLE		
			03/13/75	147	DAY	TWA	0.290	PPM	240	240	SINGLE		
			03/18/75	154	EVENG	TWA	0.100	PPM	240	240	SINGLE		
			03/25/75	166	NIGHT	TWA	< 0.010	PPM	285	285	SINGLE	AIR-SPL	FUL-FACE
			04/01/75	176	DAY	TWA	0.760	PPM	240	240	SINGLE		
			04/02/75	184	NIGHT	TWA	0.320	PPM	280	280	SINGLE		
			04/03/75	185	NIGHT	TWA	0.050	PPM	240	240	SINGLE		
			04/28/75	236	EVENG	TWA	0.030	PPM	245	245	SINGLE		
			04/28/75	237	NIGHT	TWA	< 0.010	PPM	185	185	SINGLE	AIR-SPL	FUL-FACE
			04/28/75	238	EVENG	TWA	0.080	PPM	240	240	SINGLE		

CCR 000012426

REPORT NO. 25-7390
SOURCE NR739
JOB NO. RUNKBN75

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY CONTAMINANT
ETHYLENE DICHLORIDE

PAGE NO. 17
DATE 03/13/84
TIME 14.24.41

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	TASK	SAMPLE DATE	ID	MON SHIFT	STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG

PROCESS: VCM PRODUCTION UNIT													
NORMAL	PERSONAL	OUT, APPRENTICE OPER	05/08/75	263	NIGHT	TWA	<	0.010 PPM	398	398	SINGLE	AIR-SPL FUL-FACE	
			05/12/75	268	DAY	TWA		0.430 PPM	410	410	SINGLE	AIR-SPL FUL-FACE	
			05/14/75	276	NIGHT	TWA		0.140 PPM	260	260	SINGLE	AIR-SPL FUL-FACE	
			05/19/75	283	DAY	TWA		0.120 PPM	435	435	SINGLE		
			05/20/75	288	EVENG	TWA		0.150 PPM	448	448	SINGLE		
			05/28/75	306	EVENG	TWA		0.370 PPM	420	420	SINGLE	AIR-SPL FUL-FACE	
			06/03/75	313	DAY	TWA		0.180 PPM	420	420	SINGLE		
			06/04/75	316	NIGHT	TWA		0.500 PPM	465	465	SINGLE	AIR-SPL FUL-FACE	
			06/11/75	339	NIGHT	STEL		3.080 PPM	1		SINGLE		
			06/13/75	347	EVENG	TWA		1.170 PPM	410	410	SINGLE	AIR-SPL FUL-FACE	
			06/17/75	357	DAY	TWA		0.470 PPM	360	360	SINGLE		
			06/18/75	360	NIGHT	TWA		0.370 PPM	435	435	SINGLE	AIR-SPL FUL-FACE	
			06/26/75	383	EVENG	TWA		0.440 PPM	478	478	SINGLE	AIR-SPL FUL-FACE	
			06/26/75	386	DAY	TWA		0.730 PPM	465	465	SINGLE	AIR-SPL FUL-FACE	
			07/08/75	409	NIGHT	TWA		0.360 PPM	455	455	SINGLE	AIR-SPL FUL-FACE	
			07/09/75	410	DAY	TWA		0.160 PPM	463	463	SINGLE		
			07/16/75	427	EVENG	TWA	<	0.010 PPM	420	420	SINGLE	AIR-SPL FUL-FACE	
			07/22/75	437	NIGHT	TWA	<	0.010 PPM	485	485	SINGLE	AIR-SPL FUL-FACE	
			07/23/75	446	DAY	TWA	<	0.010 PPM	480	480	SINGLE	AIR-SPL FUL-FACE	
			07/28/75	454	NIGHT	TWA	<	0.010 PPM	420	420	SINGLE	AIR-SPL FUL-FACE	
			07/30/75	465	EVENG	TWA	<	0.010 PPM	465	465	SINGLE	AIR-SPL FUL-FACE	
			08/04/75	474	DAY	TWA	<	0.010 PPM	430	430	SINGLE		
			08/06/75	477	EVENG	TWA		1.230 PPM	357	357	SINGLE	AIR-SPL FUL-FACE	
			08/11/75	492	NIGHT	TWA	<	0.010 PPM	385	385	SINGLE	AIR-SPL FUL-FACE	
			08/13/75	496	EVENG	TWA		2.880 PPM	485	485	SINGLE		
			08/20/75	517	NIGHT	TWA	<	0.010 PPM	425	425	SINGLE	AIR-SPL FUL-FACE	
			08/25/75	527	DAY	TWA	<	0.100 PPM	420	420	SINGLE	AIR-SPL FUL-FACE	
			09/02/75	543	EVENG	TWA		0.180 PPM	420	420	SINGLE		
			09/03/75	547	NIGHT	STEL		24.900 PPM	1		SINGLE		
			09/03/75	548	NIGHT	STEL		34.270 PPM	1		SINGLE	AIR-SPL FUL-FACE	
			09/03/75	549	NIGHT	TWA		2.710 PPM	490	490	SINGLE	AIR-SPL FUL-FACE	
			09/08/75	557	NIGHT	TWA		0.240 PPM	480	480	SINGLE		
			09/09/75	569	DAY	TWA		0.560 PPM	480	480	SINGLE	AIR-SPL FUL-FACE	
			09/10/75	571	NIGHT	TWA		3.380 PPM	385	385	SINGLE		
			09/10/75	572	EVENG	TWA		0.490 PPM	440	440	SINGLE		
			09/19/75	597	NIGHT	STEL		61.090 PPM	1		SINGLE		
			09/19/75	598	NIGHT	STEL		99.990 PPM	1		SINGLE		
			09/19/75	599	NIGHT	TWA		1.710 PPM	485	485	SINGLE		
			09/22/75	600	NIGHT	TWA		3.910 PPM	460	460	SINGLE		
			10/13/75	643	DAY	TWA	<	0.010 PPM	445	445	SINGLE		

CCR 000012427

REPORT NO. 25-7390
SOURCE NR739
JOB NO. RUNKBN75

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY CONTAMINANT
ETHYLENE DICHLORIDE

PAGE NO. 18
DATE 03/13/84
TIME 14.24.41

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	TASK	SAMPLE DATE	ID	MON SHIFT	STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG

PROCESS: VCM PRODUCTION UNIT													
NORMAL	PERSONAL	OUT, APPRENTICE OPER	10/17/75	658	NIGHT	TWA	<	0.010 PPM	475	475	SINGLE	AIR-SPL FUL-FACE	
			10/21/75	664	EVENG	TWA	<	0.010 PPM	420	420	SINGLE	AIR-SPL FUL-FACE	
			10/24/75	672	EVENG	TWA		0.700 PPM	364	364	SINGLE	AIR-SPL FUL-FACE	
			11/04/75	689	NIGHT	TWA		0.720 PPM	450	450	SINGLE	AIR-SPL FUL-FACE	
			11/11/75	704	EVENG	TWA		11.250 PPM	380	380	SINGLE	AIR-SPL FUL-FACE	
			11/17/75	722	EVENG	TWA	<	0.010 PPM	450	450	SINGLE	AIR-SPL FUL-FACE	
			11/25/75	734	DAY	TWA		2.730 PPM	490	490	SINGLE	AIR-SPL FUL-FACE	
NORMAL	PERSONAL	OUT, TOP OPER	01/08/75	020	EVENG	TWA		0.120 PPM	240	240	SINGLE		
			01/13/75	043	DAY	TWA		0.030 PPM	245	245	SINGLE		
			02/06/75	079	EVENG	TWA		0.050 PPM	240	240	SINGLE		
			02/13/75	094	NIGHT	TWA		0.100 PPM	240	240	SINGLE		
			02/18/75	105	DAY	TWA		0.040 PPM	240	240	SINGLE		
			03/06/75	131	EVENG	TWA		0.300 PPM	240	240	SINGLE		
			03/13/75	150	NIGHT	TWA		1.290 PPM	240	240	SINGLE		
			03/20/75	164	DAY	TWA		0.290 PPM	240	240	SINGLE		
			04/01/75	174	EVENG	TWA		6.350 PPM	240	240	SINGLE	AIR-SPL FUL-FACE	
			04/05/75	204	NIGHT	TWA		1.660 PPM	240	240	SINGLE		
			04/05/75	205	EVENG	TWA		0.020 PPM	215	215	SINGLE		
			04/05/75	211	EVENG	TWA		2.970 PPM	212	212	SINGLE		
			04/05/75	212	NIGHT	TWA		1.690 PPM	231	231	SINGLE		
			04/06/75	217	EVENG	TWA	<	0.010 PPM	218	218	SINGLE		
			04/06/75	220	EVENG	TWA		0.060 PPM	232	232	SINGLE		
			04/07/75	224	NIGHT	TWA		0.100 PPM	238	238	SINGLE		
			04/07/75	227	NIGHT	TWA		0.050 PPM	275	275	SINGLE		
			04/28/75	242	DAY	TWA		0.400 PPM	258	258	SINGLE		
			05/05/75	252	NIGHT	TWA		0.220 PPM	245	245	SINGLE		
			05/20/75	289	DAY	TWA		0.590 PPM	432	432	SINGLE		
			05/27/75	304	EVENG	TWA	<	0.010 PPM	60	60	SINGLE	AIR-SPL FUL-FACE	
			05/27/75	305	EVENG	TWA		2.160 PPM	450	450	SINGLE		
			06/09/75	333	DAY	TWA		1.140 PPM	480	480	SINGLE		
			06/19/75	364	EVENG	TWA		0.260 PPM	480	480	SINGLE		
			06/26/75	384	NIGHT	TWA		0.700 PPM	430	430	SINGLE		
			07/10/75	415	EVENG	TWA	<	0.010 PPM	420	420	SINGLE		
			07/15/75	423	DAY	TWA	<	0.010 PPM	374	374	SINGLE		
			07/24/75	449	DAY	TWA	<	0.010 PPM	505	505	SINGLE		
			08/08/75	487	DAY	TWA		0.360 PPM	360	360	SINGLE		
			08/13/75	500	DAY	TWA	<	0.010 PPM	450	450	SINGLE		
			08/20/75	514	EVENG	TWA		1.110 PPM	520	520	SINGLE		
			09/11/75	574	NIGHT	TWA		0.530 PPM	425	425	SINGLE		

CCR 000012428

REPORT NO. 25-7390
SOURCE NR739
JOB NO. RUNKBN75

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY CONTAMINANT
ETHYLENE DICHLORIDE

PAGE NO. 19
DATE 03/13/84
TIME 14.24.41

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	TASK	SAMPLE DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG

PROCESS: VCM PRODUCTION UNIT													
NORMAL	PERSONAL	OUT, TOP OPER	10/20/75	663	NIGHT	TWA	< 0.010	PPM	450	450	SINGLE		
			12/02/75	780	DAY	TWA	11.760	PPM	375	375	SINGLE		
			12/23/75	774	DAY	TWA	16.710	PPM	350	350	SINGLE	AIR-SPL FUL-FACE	
NORMAL	PERSONAL	OUT, 2ND OPR/CNTRLMN	01/06/75	008	EVENG	TWA	7.000	PPM	432	432	SINGLE	AIR-SPL FUL-FACE	
			01/08/75	012	EVENG	TWA	0.230	PPM	240	240	SINGLE		
			01/08/75	018	DAY	TWA	1.130	PPM	237	237	SINGLE		
			01/09/75	023	NIGHT	TWA	13.130	PPM	280	280	SINGLE		
			01/09/75	032	EVENG	TWA	0.990	PPM	240	240	SINGLE		
			01/10/75	038	DAY	TWA	0.190	PPM	225	225	SINGLE		
			01/14/75	046	DAY	TWA	1.730	PPM	116	116	SINGLE		
			01/14/75	047	NIGHT	TWA	2.250	PPM	120	120	SINGLE		
			01/17/75	055	NIGHT	STEL	5.900	PPM	1		SINGLE		
			01/17/75	056	NIGHT	TWA	4.640	PPM	240	240	SINGLE		
			02/03/75	065	DAY	TWA	0.210	PPM	235	235	SINGLE		
			02/05/75	073	NIGHT	TWA	< 0.010	PPM	205	205	SINGLE		
			02/11/75	089	EVENG	TWA	0.180	PPM	240	240	SINGLE		
			02/12/75	091	DAY	TWA	0.140	PPM	240	240	SINGLE		
			02/21/75	113	EVENG	TWA	0.020	PPM	240	240	SINGLE		
			02/25/75	116	NIGHT	TWA	16.260	PPM	240	240	SINGLE		
			02/27/75	119	DAY	TWA	3.380	PPM	240	240	SINGLE	AIR-SPL FUL-FACE	
			03/03/75	122	DAY	TWA	0.870	PPM	240	240	SINGLE		
			03/05/75	125	NIGHT	TWA	2.330	PPM	240	240	SINGLE		
			03/11/75	140	EVENG	TWA	0.150	PPM	240	240	SINGLE		
			03/12/75	143	DAY	TWA	5.350	PPM	240	240	SINGLE		
			03/19/75	159	NIGHT	TWA	4.650	PPM	240	240	SINGLE		
			03/21/75	165	EVENG	TWA	0.140	PPM	240	240	SINGLE		
			04/01/75	173	DAY	TWA	0.400	PPM	240	240	SINGLE		
			04/02/75	181	DAY	TWA	0.560	PPM	240	240	SINGLE		
			04/04/75	195	EVENG	TWA	< 0.010	PPM	240	240	SINGLE		
			04/05/75	200	EVENG	TWA	8.700	PPM	206	206	SINGLE		
			04/05/75	201	EVENG	TWA	0.480	PPM	175	175	SINGLE		
			04/05/75	203	NIGHT	TWA	0.010	PPM	247	247	SINGLE		
			04/05/75	206	NIGHT	TWA	1.070	PPM	243	243	SINGLE		
			04/05/75	207	DAY	TWA	1.640	PPM	217	217	SINGLE		
			04/05/75	208	DAY	TWA	0.200	PPM	240	240	SINGLE		
			04/05/75	209	DAY	TWA	4.590	PPM	230	230	SINGLE		
			04/05/75	210	DAY	TWA	7.780	PPM	240	240	SINGLE		
			04/06/75	216	NIGHT	TWA	< 0.010	PPM	240	240	SINGLE		
			04/06/75	218	EVENG	TWA	< 0.010	PPM	220	220	SINGLE		

CCR 000012429

REPORT NO. 25-7390
SOURCE NR739
JOB NO. RUNKBN75

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY CONTAMINANT
ETHYLENE DICHLORIDE

PAGE NO. 20
DATE 03/13/84
TIME 14.24.41

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	TASK	SAMPLE DATE	ID	MON SHIFT	STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
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PROCESS: VCM PRODUCTION UNIT

NORMAL	PERSONAL	OUT, 2ND OPR/CNTRLMN	04/06/75	221	EVENG	TWA	0.040	PPM	222	222	SINGLE		
			04/07/75	225	NIGHT	TWA	0.040	PPM	239	239	SINGLE		
			05/05/75	250	NIGHT	TWA	1.190	PPM	475	475	SINGLE		
			05/05/75	251	DAY	TWA	0.110	PPM	375	375	SINGLE		
			05/08/75	260	EVENG	TWA	0.040	PPM	420	420	SINGLE		
			05/15/75	277	DAY	TWA	0.400	PPM	480	480	SINGLE		
			05/19/75	286	NIGHT	TWA	0.050	PPM	460	460	SINGLE		
			05/22/75	298	EVENG	TWA	0.280	PPM	480	480	SINGLE		
			06/04/75	318	DAY	TWA	0.440	PPM	442	442	SINGLE		
			06/05/75	320	EVENG	TWA	81.140	PPM	442	442	SINGLE		
			06/05/75	322	EVENG	TWA	1.660	PPM	450	450	SINGLE		
			06/11/75	337	NIGHT	TWA	0.280	PPM	440	440	SINGLE		
			06/17/75	355	NIGHT	TWA	0.590	PPM	475	475	SINGLE		
			06/20/75	370	NIGHT	STEL	77.460	PPM	1		SINGLE		
			06/20/75	371	NIGHT	TWA	6.490	PPM	480	480	SINGLE		
			06/30/75	393	DAY	TWA	4.910	PPM	480	480	SINGLE		
			07/09/75	412	DAY	TWA	0.150	PPM	445	445	SINGLE		
			07/17/75	430	DAY	TWA	0.300	PPM	420	420	SINGLE	AIR-SPL	FUL-FACE
			07/17/75	432	EVENG	TWA	< 0.010	PPM	455	455	SINGLE		
			07/21/75	436	NIGHT	TWA	0.160	PPM	458	458	SINGLE		
			07/29/75	459	DAY	TWA	< 0.010	PPM	330	330	SINGLE		
			07/30/75	463	EVENG	TWA	0.060	PPM	475	475	SINGLE		
			07/31/75	468	NIGHT	TWA	0.620	PPM	382	382	SINGLE		
			08/13/75	499	DAY	STEL	4.900	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			08/14/75	505	DAY	TWA	< 0.010	PPM	435	435	SINGLE		
			08/20/75	515	NIGHT	TWA	1.570	PPM	435	435	SINGLE		
			08/20/75	516	EVENG	TWA	0.380	PPM	265	265	SINGLE		
			09/03/75	550	DAY	TWA	5.570	PPM	480	480	SINGLE	AIR-SPL	FUL-FACE
			09/03/75	551	DAY	STEL	49.690	PPM	1		SINGLE		
			09/03/75	552	DAY	STEL	99.990	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			09/19/75	596	DAY	STEL	< 0.010	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			09/25/75	613	DAY	TWA	1.210	PPM	465	465	SINGLE		
			09/26/75	615	DAY	TWA	0.310	PPM	380	380	SINGLE		
			10/10/75	641	EVENG	TWA	0.120	PPM	345	345	SINGLE		
			10/15/75	653	EVENG	TWA	0.410	PPM	435	435	SINGLE		
			10/22/75	667	EVENG	TWA	0.110	PPM	405	405	SINGLE		
			10/29/75	683	DAY	TWA	< 0.010	PPM	440	440	SINGLE		
			10/30/75	684	EVENG	TWA	1.530	PPM	405	405	SINGLE		
			11/05/75	693	EVENG	TWA	0.340	PPM	480	480	SINGLE		
			11/07/75	699	EVENG	TWA	0.420	PPM	420	420	SINGLE		

CCR 000012430

REPORT NO. 25-7390
SOURCE NR739
JOB NO. RUNKBN75

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY CONTAMINANT
ETHYLENE DICHLORIDE

PAGE NO. 21
DATE 03/13/84
TIME 14.24.41

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	TASK	SAMPLE DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
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PROCESS: VCM PRODUCTION UNIT

NORMAL	PERSONAL	OUT, 2ND OPR/CNTRLMN	11/13/75	715	EVENG	TWA	0.690	PPM	456	456	SINGLE		
			11/25/75	733	NIGHT	TWA	2.020	PPM	470	470	SINGLE		
			11/26/75	736	EVENG	TWA	0.630	PPM	420	420	SINGLE		
			12/01/75	740	NIGHT	TWA	0.660	PPM	405	405	SINGLE		
			12/10/75	752	NIGHT	TWA	1.950	PPM	460	460	SINGLE		
			12/30/75	779	DAY	TWA	8.950	PPM	470	470	SINGLE		

CCR 000012431