

CCR 000013107

REPORT NO. 25-7380
SOURCE NR738
JOB NO. RUNKBN76

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO. 1
DATE 03/13/84
TIME 14.31.48

OFFICE - NON-FIELD UNIT

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: ADMIN, CLERICAL

NORMAL	PERSONAL	EDC	02/10/76	050	DAY	TWA	<	0.010	PPM	535	535	SINGLE	
NORMAL	PERSONAL	VCM	02/10/76	050	DAY	TWA	<	0.010	PPM	535	535	SINGLE	

TASK: ADMIN, SUPERVISOR

NORMAL	PERSONAL	EDC	01/15/76	013	DAY	TWA		0.970	PPM	544	544	SINGLE	
			01/26/76	029	DAY	TWA		0.460	PPM	490	490	SINGLE	
			02/03/76	039	DAY	TWA	<	0.010	PPM	590	590	SINGLE	
			02/13/76	055	DAY	TWA		3.170	PPM	495	495	SINGLE	
			02/16/76	085	DAY	TWA		2.990	PPM	496	496	SINGLE	
			02/24/76	108	DAY	TWA	<	0.010	PPM	275	275	SINGLE	
			02/25/76	109	DAY	TWA		1.940	PPM	480	480	SINGLE	
			02/25/76	110	DAY	TWA		1.750	PPM	485	485	SINGLE	
			02/26/76	116	DAY	TWA		1.420	PPM	560	560	SINGLE	
			03/11/76	144	DAY	TWA		14.190	PPM	460	460	SINGLE	
			03/16/76	150	DAY	TWA		4.040	PPM	515	515	SINGLE	
			04/13/76	185	DAY	TWA	<	0.010	PPM	589	589	SINGLE	
			04/14/76	189	DAY	TWA		0.300	PPM	577	577	SINGLE	
			04/28/76	207	DAY	TWA	<	0.010	PPM	501	501	SINGLE	
			05/10/76	232	DAY	TWA		0.770	PPM	560	560	SINGLE	
			05/14/76	245	DAY	TWA		0.170	PPM	480	480	SINGLE	
			05/25/76	275	DAY	TWA		0.040	PPM	495	495	SINGLE	
			06/15/76	292	DAY	TWA		4.330	PPM	485	485	SINGLE	
			06/16/76	296	DAY	TWA	<	0.010	PPM	552	552	SINGLE	
			07/08/76	328	DAY	TWA		0.300	PPM	497	497	SINGLE	
			07/08/76	329	DAY	TWA		0.140	PPM	445	445	SINGLE	
			07/14/76	341	DAY	TWA		0.900	PPM	495	495	SINGLE	
			07/19/76	352	DAY	TWA		1.390	PPM	437	437	SINGLE	
			07/20/76	356	DAY	TWA		1.100	PPM	600	600	SINGLE	
			07/27/76	370	DAY	TWA	<	0.010	PPM	480	480	SINGLE	
			07/27/76	372	DAY	TWA		4.410	PPM	483	483	SINGLE	
			07/28/76	375	DAY	TWA	<	0.010	PPM	480	480	SINGLE	
			08/06/76	393	DAY	TWA	<	0.010	PPM	455	455	SINGLE	
			08/10/76	405	DAY	TWA		0.590	PPM	505	505	SINGLE	
			08/12/76	419	DAY	TWA		0.460	PPM	468	468	SINGLE	
			08/20/76	433	DAY	TWA	<	0.010	PPM	510	510	SINGLE	
			08/24/76	437	DAY	TWA	<	0.010	PPM	495	495	SINGLE	
			09/13/76	468	DAY	TWA		0.370	PPM	470	470	SINGLE	

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INDUSTRIAL HYGIENE
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PAGE NO. 2
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OFFICE - NON-FIELD UNIT

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: ADMIN, SUPERVISOR

NORMAL	PERSONAL	EDC	09/15/76	471	DAY	TWA		0.890	PPM	480	480	SINGLE		
			10/12/76	520	DAY	TWA	<	0.010	PPM	545	545	SINGLE		
			10/14/76	525	DAY	TWA	<	0.010	PPM	480	480	SINGLE		
			10/20/76	613	NIGHT	TWA	<	0.010	PPM	505	505	SINGLE		
			10/26/76	649	DAY	TWA	<	0.010	PPM	490	490	SINGLE		
			10/26/76	651	DAY	TWA		5.260	PPM	458	458	SINGLE		
			11/09/76	670	DAY	TWA	<	0.010	PPM	480	480	SINGLE		
			12/17/76	734	DAY	TWA	<	0.010	PPM	520	520	SINGLE		
			12/20/76	736	DAY	TWA	<	0.010	PPM	475	475	SINGLE		
			01/15/76	013	DAY	TWA	<	0.010	PPM	544	544	SINGLE		
			01/26/76	029	DAY	TWA		0.120	PPM	490	490	SINGLE		
			02/03/76	039	DAY	TWA		0.270	PPM	590	590	SINGLE		
NORMAL	PERSONAL	VCM	02/13/76	055	DAY	TWA		0.450	PPM	495	495	SINGLE		
			02/16/76	085	DAY	TWA	<	0.010	PPM	496	496	SINGLE		
			02/24/76	108	DAY	TWA		0.100	PPM	275	275	SINGLE		
			02/25/76	109	DAY	TWA	<	0.010	PPM	480	480	SINGLE		
			02/25/76	110	DAY	TWA	<	0.010	PPM	485	485	SINGLE		
			02/26/76	116	DAY	TWA	<	0.010	PPM	560	560	SINGLE		
			03/11/76	144	DAY	TWA		0.060	PPM	460	460	SINGLE		
			03/16/76	150	DAY	TWA	<	0.010	PPM	515	515	SINGLE		
			04/13/76	185	DAY	TWA		1.590	PPM	589	589	SINGLE		
			04/14/76	189	DAY	TWA		0.350	PPM	577	577	SINGLE		
			04/28/76	207	DAY	TWA		0.070	PPM	501	501	SINGLE		
			05/10/76	232	DAY	TWA		0.030	PPM	560	560	SINGLE		
			05/14/76	245	DAY	TWA		0.760	PPM	480	480	SINGLE		
			05/25/76	275	DAY	TWA	<	0.010	PPM	495	495	SINGLE		
			06/15/76	292	DAY	TWA	<	0.010	PPM	485	485	SINGLE		
			06/16/76	296	DAY	TWA		0.850	PPM	552	552	SINGLE		
			07/08/76	328	DAY	TWA		3.860	PPM	497	497	SINGLE		
			07/08/76	329	DAY	TWA		1.220	PPM	445	445	SINGLE		
			07/14/76	341	DAY	TWA		0.080	PPM	495	495	SINGLE		
			07/19/76	352	DAY	TWA		0.210	PPM	437	437	SINGLE		
			07/20/76	356	DAY	TWA		0.350	PPM	600	600	SINGLE		
			07/27/76	370	DAY	TWA		0.250	PPM	480	480	SINGLE		
			07/27/76	372	DAY	TWA		1.360	PPM	483	483	SINGLE		
			07/28/76	375	DAY	TWA		0.030	PPM	480	480	SINGLE		
08/06/76	393	DAY	TWA		0.390	PPM	455	455	SINGLE					
08/10/76	405	DAY	TWA		0.020	PPM	505	505	SINGLE					
08/12/76	419	DAY	TWA		0.060	PPM	468	468	SINGLE					

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INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

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OFFICE - NON-FIELD UNIT

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: ADMIN, SUPERVISOR													
NORMAL	PERSONAL	VCM	08/20/76	433	DAY	TWA	< 0.010	PPM	510	510	SINGLE		
			08/24/76	437	DAY	TWA	< 0.010	PPM	495	495	SINGLE		
			09/13/76	468	DAY	TWA	0.330	PPM	470	470	SINGLE		
			09/15/76	471	DAY	TWA	< 0.010	PPM	480	480	SINGLE		
			10/12/76	520	DAY	TWA	< 0.010	PPM	545	545	SINGLE		
			10/14/76	525	DAY	TWA	0.210	PPM	480	480	SINGLE		
			10/20/76	613	NIGHT	TWA	< 0.010	PPM	505	505	SINGLE		
			10/26/76	649	DAY	TWA	< 0.010	PPM	490	490	SINGLE		
			10/26/76	651	DAY	TWA	0.030	PPM	458	458	SINGLE		
			11/09/76	670	DAY	TWA	< 0.010	PPM	480	480	SINGLE		
			11/19/76	692	DAY	TWA	< 0.010	PPM	455	455	SINGLE		
			12/17/76	734	DAY	TWA	< 0.010	PPM	520	520	SINGLE		
			12/20/76	736	DAY	TWA	< 0.010	PPM	475	475	SINGLE		

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INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO. 4
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PLANT LABORATORY UNIT

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: LAB, PROFESSIONAL

NORMAL	PERSONAL	EDC	01/02/76	001	DAY	STEL	<	0.010	PPM	1		SINGLE		
			01/21/76	018	DAY	TWA			39.520	PPM	480	480	SINGLE	
			02/09/76	048	DAY	TWA	<		0.010	PPM	513	513	SINGLE	
			02/23/76	101	DAY	TWA			6.880	PPM	480	480	SINGLE	AIR-SPL FUL-FACE
			04/13/76	184	DAY	TWA			1.460	PPM	335	335	SINGLE	
			05/18/76	258	DAY	TWA			2.900	PPM	498	498	SINGLE	
			07/19/76	346	DAY	TWA	<		0.010	PPM	535	535	SINGLE	
			07/22/76	363	DAY	TWA			0.060	PPM	494	494	SINGLE	
			08/02/76	380	DAY	TWA			0.630	PPM	467	467	SINGLE	
			08/06/76	392	DAY	TWA	<		0.010	PPM	527	527	SINGLE	
			08/16/76	424	EVENG	STEL			13.390	PPM	1		SINGLE	
			NORMAL	PERSONAL	VCM	01/02/76	001	DAY	STEL	<	0.010	PPM	1	
01/21/76	018	DAY				TWA			3.060	PPM	480	480	SINGLE	
02/09/76	048	DAY				TWA			0.500	PPM	513	513	SINGLE	
02/23/76	101	DAY				TWA			0.140	PPM	480	480	SINGLE	AIR-SPL FUL-FACE
04/13/76	184	DAY				TWA			0.290	PPM	335	335	SINGLE	
05/18/76	258	DAY				TWA			0.100	PPM	498	498	SINGLE	
07/19/76	346	DAY				TWA			0.120	PPM	535	535	SINGLE	
07/22/76	363	DAY				TWA			0.440	PPM	494	494	SINGLE	
08/02/76	380	DAY				TWA			0.160	PPM	467	467	SINGLE	
08/06/76	392	DAY				TWA			0.080	PPM	527	527	SINGLE	
08/16/76	424	EVENG				STEL	<		0.010	PPM	1		SINGLE	
10/21/76	618	DAY				TWA	<		0.010	PPM	480	480	SINGLE	
11/12/76	674	DAY	TWA	<		0.010	PPM	480	480	SINGLE				

TASK: LAB, TECHNICAL

NORMAL	PERSONAL	EDC	01/27/76	030	EVENG	TWA	<	0.010	PPM	470	470	SINGLE		
			01/28/76	032	NIGHT	TWA	<		0.010	PPM	480	480	SINGLE	
			02/06/76	045	NIGHT	TWA	<		0.010	PPM	465	465	SINGLE	
			02/17/76	093	NIGHT	TWA			1.210	PPM	450	450	SINGLE	
			03/03/76	131	DAY	TWA			2.210	PPM	455	455	SINGLE	
			03/08/76	139	DAY	TWA			32.710	PPM	440	440	SINGLE	
			03/16/76	148	DAY	TWA			4.840	PPM	430	430	SINGLE	
			04/21/76	203	NIGHT	TWA			0.430	PPM	465	465	SINGLE	
			04/27/76	206	NIGHT	TWA	<		0.010	PPM	460	460	SINGLE	
			04/28/76	208	EVENG	TWA			0.950	PPM	423	423	SINGLE	
			05/12/76	241	DAY	TWA			0.620	PPM	480	480	SINGLE	

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JOB NO. RUNKBN76

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO. 5
DATE 03/13/84
TIME 14.31.48

PLANT LABORATORY UNIT

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: LAB, TECHNICAL

NORMAL	PERSONAL	EDC	05/18/76	256	DAY	TWA	1.080	PPM	470	470	SINGLE					
			06/22/76	308	DAY	TWA	3.030	PPM	510	510	SINGLE					
			06/28/76	313	DAY	TWA	< 0.010	PPM	465	465	SINGLE					
			06/30/76	316	NIGHT	TWA	< 0.010	PPM	480	480	SINGLE					
			07/20/76	354	DAY	TWA	2.700	PPM	110	110	SINGLE					
			07/21/76	357	DAY	TWA	< 0.010	PPM	115	115	SINGLE					
			08/11/76	417	EVENG	TWA	< 0.010	PPM	540	540	SINGLE					
			08/16/76	426	EVENG	TWA	0.670	PPM	445	445	SINGLE					
			08/20/76	434	DAY	TWA	0.760	PPM	405	405	SINGLE					
			09/03/76	455	DAY	TWA	< 0.010	PPM	301	301	SINGLE					
			09/10/76	467	DAY	TWA	0.980	PPM	455	455	SINGLE					
			09/17/76	482	DAY	TWA	0.850	PPM	355	355	SINGLE					
			09/22/76	492	DAY	TWA	3.100	PPM	440	440	SINGLE					
			10/05/76	506	EVENG	TWA	< 0.010	PPM	480	480	SINGLE					
			10/12/76	518	NIGHT	TWA	< 0.010	PPM	400	400	SINGLE					
			11/08/76	666	NIGHT	TWA	< 0.010	PPM	460	460	SINGLE					
			12/09/76	717	EVENG	TWA	< 0.010	PPM	465	465	SINGLE					
			NORMAL	PERSONAL	VCM	12/17/76	733	DAY	TWA	0.350	PPM	435	435	SINGLE		
						01/27/76	030	EVENG	TWA	< 0.010	PPM	470	470	SINGLE		
						01/28/76	032	NIGHT	TWA	0.060	PPM	480	480	SINGLE		
02/06/76	045	NIGHT				TWA	0.220	PPM	465	465	SINGLE					
02/17/76	093	NIGHT				TWA	< 0.010	PPM	450	450	SINGLE					
03/03/76	131	DAY				TWA	< 0.010	PPM	455	455	SINGLE					
03/08/76	139	DAY				TWA	0.980	PPM	440	440	SINGLE					
03/16/76	148	DAY				TWA	1.660	PPM	430	430	SINGLE					
04/21/76	203	NIGHT				TWA	0.140	PPM	465	465	SINGLE					
04/27/76	206	NIGHT				TWA	0.440	PPM	460	460	SINGLE					
04/28/76	208	EVENG				TWA	0.100	PPM	423	423	SINGLE					
05/12/76	241	DAY				TWA	0.430	PPM	480	480	SINGLE					
05/18/76	256	DAY				TWA	0.150	PPM	470	470	SINGLE					
06/22/76	308	DAY				TWA	< 0.010	PPM	510	510	SINGLE					
06/28/76	313	DAY				TWA	0.020	PPM	465	465	SINGLE					
06/30/76	316	NIGHT				TWA	< 0.010	PPM	480	480	SINGLE					
07/20/76	354	DAY				TWA	1.480	PPM	110	110	SINGLE					
07/21/76	357	DAY				TWA	1.610	PPM	115	115	SINGLE					
08/11/76	417	EVENG				TWA	0.050	PPM	540	540	SINGLE					
08/16/76	426	EVENG				TWA	0.020	PPM	445	445	SINGLE					
08/20/76	434	DAY	TWA	< 0.010	PPM	405	405	SINGLE								
09/03/76	455	DAY	TWA	0.350	PPM	301	301	SINGLE								

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INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS
PLANT LABORATORY UNIT

PAGE NO. 6
DATE 03/13/84
TIME 14.31.48

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: LAB, TECHNICAL

NORMAL	PERSONAL	VCM	09/10/76	467	DAY	TWA	0.210	PPM	455	455	SINGLE		
			09/17/76	482	DAY	TWA	0.130	PPM	355	355	SINGLE		
			09/22/76	492	DAY	TWA	0.400	PPM	440	440	SINGLE		
			10/05/76	506	EVENG	TWA	0.500	PPM	480	480	SINGLE		
			10/12/76	518	NIGHT	TWA	0.110	PPM	400	400	SINGLE		
			11/08/76	666	NIGHT	TWA	0.010	PPM	460	460	SINGLE		
			11/10/76	672	DAY	TWA	0.010	PPM	480	480	SINGLE		
			12/09/76	717	EVENG	TWA	0.050	PPM	465	465	SINGLE		
			12/17/76	733	DAY	TWA	0.400	PPM	435	435	SINGLE		

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INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO. 7
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PLANT-WIDE, MAINTENANCE

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: BOILERMAKER

NORMAL	PERSONAL	EDC	DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
			01/06/76	002	DAY	TWA	< 0.010	PPM	455	455	SINGLE		
			02/04/76	042	DAY	TWA	< 0.010	PPM	500	500	SINGLE		
			02/16/76	083	NIGHT	TWA	1.100	PPM	470	470	SINGLE		
			02/17/76	089	DAY	TWA	1.980	PPM	465	465	SINGLE		
			02/17/76	090	DAY	TWA	1.930	PPM	460	460	SINGLE		
			03/02/76	127	DAY	TWA	1.610	PPM	544	544	SINGLE		
			03/19/76	154	DAY	TWA	2.670	PPM	450	450	SINGLE		
			04/05/76	172	DAY	TWA	18.360	PPM	470	470	SINGLE		
			05/04/76	217	DAY	TWA	1.900	PPM	525	525	SINGLE		
			05/12/76	242	DAY	TWA	0.920	PPM	480	480	SINGLE		
			06/08/76	282	DAY	TWA	< 0.010	PPM	470	470	SINGLE	AIR-SPL FUL-FACE	
			06/11/76	288	DAY	TWA	3.230	PPM	472	472	SINGLE		
			06/30/76	314	NIGHT	TWA	< 0.010	PPM	480	480	SINGLE		
			07/12/76	333	DAY	TWA	16.040	PPM	475	475	SINGLE		
			07/13/76	337	DAY	STEL	13.980	PPM	1		SINGLE		
			07/20/76	353	DAY	STEL	< 0.010	PPM	1		SINGLE		
			07/20/76	355	DAY	STEL	18.600	PPM	1		SINGLE		
			08/04/76	386	DAY	TWA	8.430	PPM	475	475	SINGLE		
			08/10/76	410	DAY	STEL	18.370	PPM	1		SINGLE		
			08/10/76	411	DAY	STEL	< 0.010	PPM	1		SINGLE		
			08/12/76	418	DAY	TWA	4.680	PPM	480	480	SINGLE		
			09/10/76	466	DAY	TWA	1.950	PPM	435	435	SINGLE		
			09/16/76	475	DAY	TWA	1.040	PPM	420	420	SINGLE		
			09/17/76	479	DAY	TWA	13.320	PPM	240	240	SINGLE		
			09/23/76	493	DAY	TWA	1.010	PPM	490	490	SINGLE		
			10/05/76	507	DAY	TWA	1.410	PPM	489	489	SINGLE		
			10/18/76	543	DAY	TWA	< 0.010	PPM	456	456	SINGLE	AIR-SPL FUL-FACE	
			10/18/76	544	DAY	TWA	< 0.010	PPM	460	460	SINGLE		
			10/18/76	545	DAY	TWA	< 0.010	PPM	456	456	SINGLE		
			10/19/76	561	NIGHT	TWA	1.180	PPM	480	480	SINGLE		
			10/19/76	562	DAY	TWA	3.660	PPM	480	480	SINGLE		
			10/19/76	563	DAY	TWA	4.900	PPM	480	480	SINGLE		
			10/19/76	577	NIGHT	TWA	< 0.010	PPM	475	475	SINGLE		
			10/19/76	578	NIGHT	TWA	< 0.010	PPM	480	480	SINGLE	AIR-SPL FUL-FACE	
			10/20/76	600	DAY	TWA	0.210	PPM	540	540	SINGLE		
			10/20/76	601	DAY	TWA	0.220	PPM	540	540	SINGLE		
			10/20/76	603	DAY	TWA	< 0.010	PPM	540	540	SINGLE		
			11/08/76	668	DAY	TWA	< 0.010	PPM	400	400	SINGLE		

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PLANT-WIDE, MAINTENANCE

PAGE NO. 8
DATE 03/13/84
TIME 14.31.48

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: BOILERMAKER													
NORMAL	PERSONAL	EDC	12/08/76	713	DAY	TWA	0.800	PPM	480	480	SINGLE		
			12/10/76	719	DAY	TWA	0.870	PPM	452	452	SINGLE		
NORMAL	PERSONAL	VCM	01/06/76	002	DAY	TWA	< 0.010	PPM	455	455	SINGLE		
			02/04/76	042	DAY	TWA	< 0.010	PPM	500	500	SINGLE		
			02/16/76	083	NIGHT	TWA	< 0.010	PPM	470	470	SINGLE		
			02/17/76	089	DAY	TWA	< 0.010	PPM	465	465	SINGLE		
			02/17/76	090	DAY	TWA	< 0.010	PPM	460	460	SINGLE		
			03/02/76	127	DAY	TWA	< 0.010	PPM	544	544	SINGLE		
			03/19/76	154	DAY	TWA	0.130	PPM	450	450	SINGLE		
			04/05/76	172	DAY	TWA	0.060	PPM	470	470	SINGLE		
			05/04/76	217	DAY	TWA	0.320	PPM	525	525	SINGLE		
			05/12/76	242	DAY	TWA	0.250	PPM	480	480	SINGLE		
			06/08/76	282	DAY	TWA	< 0.010	PPM	470	470	SINGLE	AIR-SPL FUL-FACE	
			06/11/76	288	DAY	TWA	0.240	PPM	472	472	SINGLE		
			06/30/76	314	NIGHT	TWA	< 0.010	PPM	480	480	SINGLE		
			07/12/76	333	DAY	TWA	0.150	PPM	475	475	SINGLE		
			07/13/76	337	DAY	STEL	0.980	PPM	1		SINGLE		
			07/20/76	353	DAY	STEL	1.810	PPM	1		SINGLE		
			07/20/76	355	DAY	STEL	1.350	PPM	1		SINGLE		
			08/04/76	386	DAY	TWA	0.150	PPM	475	475	SINGLE		
			08/10/76	410	DAY	STEL	< 0.010	PPM	1		SINGLE		
			08/10/76	411	DAY	STEL	< 0.010	PPM	1		SINGLE		
			08/12/76	418	DAY	TWA	< 0.010	PPM	480	480	SINGLE		
			09/10/76	466	DAY	TWA	0.070	PPM	435	435	SINGLE		
			09/16/76	475	DAY	TWA	< 0.010	PPM	420	420	SINGLE		
			09/17/76	479	DAY	TWA	< 0.010	PPM	240	240	SINGLE		
			09/23/76	493	DAY	TWA	< 0.010	PPM	490	490	SINGLE		
			10/05/76	507	DAY	TWA	0.750	PPM	489	489	SINGLE		
			10/18/76	543	DAY	TWA	0.050	PPM	456	456	SINGLE	AIR-SPL FUL-FACE	
			10/18/76	544	DAY	TWA	0.010	PPM	460	460	SINGLE		
			10/18/76	545	DAY	TWA	0.010	PPM	456	456	SINGLE		
			10/19/76	561	NIGHT	TWA	< 0.010	PPM	480	480	SINGLE		
			10/19/76	562	DAY	TWA	0.020	PPM	480	480	SINGLE		
			10/19/76	563	DAY	TWA	0.010	PPM	480	480	SINGLE		
			10/19/76	577	NIGHT	TWA	< 0.010	PPM	475	475	SINGLE		
			10/19/76	578	NIGHT	TWA	0.080	PPM	480	480	SINGLE	AIR-SPL FUL-FACE	
			10/20/76	600	DAY	TWA	< 0.010	PPM	540	540	SINGLE		
			10/20/76	601	DAY	TWA	< 0.010	PPM	540	540	SINGLE		
			10/20/76	603	DAY	TWA	0.050	PPM	540	540	SINGLE		

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SOURCE NR738
JOB NO. RUNKBN76

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO. 9
DATE 03/13/84
TIME 14.31.48

PLANT-WIDE, MAINTENANCE

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: BOILERMAKER													
NORMAL	PERSONAL	VCM	10/21/76	627	NIGHT	TWA	< 0.010	PPM	488	488	SINGLE		
			10/21/76	628	NIGHT	TWA	< 0.010	PPM	488	488	SINGLE		
			11/08/76	668	DAY	TWA	< 0.010	PPM	400	400	SINGLE		
			11/18/76	683	DAY	TWA	0.030	PPM	345	345	SINGLE		
			12/08/76	713	DAY	TWA	0.150	PPM	480	480	SINGLE		
			12/10/76	719	DAY	TWA	< 0.010	PPM	452	452	SINGLE		
TASK: CARPENTER													
NORMAL	PERSONAL	EDC	02/13/76	057	DAY	TWA	2.230	PPM	480	480	SINGLE		
			02/25/76	113	DAY	TWA	3.090	PPM	495	495	SINGLE		
			03/04/76	133	DAY	TWA	2.870	PPM	355	355	SINGLE		
			04/06/76	178	DAY	TWA	< 0.010	PPM	480	480	SINGLE	AIR-SPL FUL-FACE	
			05/25/76	276	DAY	TWA	0.290	PPM	395	395	SINGLE		
			06/10/76	286	DAY	TWA	7.120	PPM	480	480	SINGLE		
			07/14/76	339	DAY	TWA	1.690	PPM	470	470	SINGLE		
			08/02/76	381	DAY	TWA	< 0.010	PPM	472	472	SINGLE		
			08/06/76	391	DAY	STEL	19.450	PPM	1		SINGLE		
			08/10/76	406	DAY	STEL	< 0.010	PPM	1		SINGLE		
			08/10/76	407	DAY	STEL	< 0.010	PPM	1		SINGLE		
			08/10/76	408	DAY	TWA	< 0.010	PPM	165	165	SINGLE		
			09/07/76	459	DAY	TWA	34.370	PPM	470	470	SINGLE		
			10/18/76	556	NIGHT	TWA	< 0.010	PPM	476	476	SINGLE		
			10/18/76	557	NIGHT	TWA	< 0.010	PPM	480	480	SINGLE		
			10/20/76	591	DAY	TWA	< 0.010	PPM	510	510	SINGLE		
			10/20/76	596	DAY	TWA	0.120	PPM	600	600	SINGLE		
			10/20/76	614	NIGHT	TWA	< 0.010	PPM	440	440	SINGLE		
			11/03/76	660	DAY	TWA	< 0.010	PPM	447	447	SINGLE		
			12/08/76	712	DAY	TWA	1.870	PPM	480	480	SINGLE		
NORMAL	PERSONAL	VCM	02/13/76	057	DAY	TWA	0.720	PPM	480	480	SINGLE		
			02/25/76	113	DAY	TWA	< 0.010	PPM	495	495	SINGLE		
			03/04/76	133	DAY	TWA	< 0.010	PPM	355	355	SINGLE		
			04/06/76	178	DAY	TWA	< 0.010	PPM	480	480	SINGLE	AIR-SPL FUL-FACE	
			05/25/76	276	DAY	TWA	< 0.010	PPM	395	395	SINGLE		
			06/10/76	286	DAY	TWA	0.020	PPM	480	480	SINGLE		
			07/14/76	339	DAY	TWA	0.070	PPM	470	470	SINGLE		
			08/02/76	381	DAY	TWA	0.170	PPM	472	472	SINGLE		
			08/06/76	391	DAY	STEL	116.000	PPM	1		SINGLE		
			08/10/76	406	DAY	STEL	0.430	PPM	1		SINGLE		

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INDUSTRIAL HYGIENE
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PLANT-WIDE, MAINTENANCE

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: MECH HELPER													
NORMAL	PERSONAL	EDC	02/16/76	081	NIGHT	TWA	2.740	PPM	375	375	SINGLE		
			02/16/76	082	NIGHT	TWA	1.490	PPM	515	515	SINGLE		
			02/16/76	084	NIGHT	TWA	2.120	PPM	470	470	SINGLE		
			02/17/76	091	DAY	TWA	4.510	PPM	420	420	SINGLE		
			10/18/76	533	DAY	TWA	< 0.010	PPM	479	479	SINGLE		
			10/18/76	534	DAY	TWA	< 0.010	PPM	477	477	SINGLE		
			10/18/76	535	DAY	TWA	2.640	PPM	576	576	SINGLE		
			10/18/76	536	DAY	TWA	< 0.010	PPM	480	480	SINGLE		
			10/18/76	539	DAY	TWA	< 0.010	PPM	465	465	SINGLE	AIR-SPL	FUL-FACE
			10/18/76	540	DAY	TWA	3.240	PPM	465	465	SINGLE	AIR-SPL	FUL-FACE
			10/18/76	549	NIGHT	TWA	2.700	PPM	486	486	SINGLE	AIR-SPL	FUL-FACE
			10/18/76	550	NIGHT	TWA	< 0.010	PPM	504	504	SINGLE	AIR-SPL	FUL-FACE
			10/18/76	553	NIGHT	TWA	1.660	PPM	464	464	SINGLE		
			10/18/76	554	NIGHT	TWA	< 0.010	PPM	470	470	SINGLE		
			10/18/76	555	NIGHT	TWA	< 0.010	PPM	475	475	SINGLE		
			10/18/76	558	NIGHT	TWA	< 0.010	PPM	480	480	SINGLE		
			10/18/76	560	NIGHT	TWA	< 0.010	PPM	480	480	SINGLE		
			10/19/76	564	DAY	TWA	2.600	PPM	480	480	SINGLE		
			10/19/76	566	DAY	TWA	2.680	PPM	515	515	SINGLE		
			10/19/76	568	DAY	TWA	2.790	PPM	480	480	SINGLE		
			10/19/76	569	DAY	TWA	2.210	PPM	470	470	SINGLE		
			10/19/76	570	DAY	TWA	2.890	PPM	465	465	SINGLE		
			10/19/76	571	DAY	TWA	0.860	PPM	465	465	SINGLE		
			10/19/76	572	DAY	TWA	2.710	PPM	470	470	SINGLE		
			10/19/76	573	DAY	TWA	1.270	PPM	505	505	SINGLE		
			10/19/76	574	DAY	TWA	7.700	PPM	470	470	SINGLE		
			10/19/76	579	NIGHT	TWA	< 0.010	PPM	486	486	SINGLE		
			10/19/76	580	NIGHT	TWA	< 0.010	PPM	520	520	SINGLE		
			10/19/76	581	NIGHT	TWA	< 0.010	PPM	475	475	SINGLE		
			10/19/76	582	NIGHT	TWA	< 0.010	PPM	120	120	SINGLE		
			10/19/76	583	NIGHT	TWA	< 0.010	PPM	443	443	SINGLE		
			10/19/76	585	NIGHT	TWA	< 0.010	PPM	480	480	SINGLE		
			10/19/76	586	NIGHT	TWA	< 0.010	PPM	485	485	SINGLE		
			10/19/76	587	NIGHT	TWA	< 0.010	PPM	495	495	SINGLE		
			10/19/76	588	NIGHT	TWA	< 0.010	PPM	525	525	SINGLE		
			10/19/76	589	NIGHT	TWA	< 0.010	PPM	485	485	SINGLE		
			10/20/76	590	DAY	TWA	< 0.010	PPM	490	490	SINGLE		
			10/20/76	593	DAY	TWA	< 0.010	PPM	540	540	SINGLE		
			10/20/76	595	DAY	TWA	< 0.010	PPM	600	600	SINGLE		

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SOURCE NR738
JOB NO. RUNKBN76

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

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PLANT-WIDE, MAINTENANCE

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: MECH HELPER													
NORMAL	PERSONAL	EDC	10/20/76	598	DAY	TWA	<	0.010	PPM	600	600	SINGLE	
			10/20/76	604	NIGHT	TWA	<	0.010	PPM	455	455	SINGLE	
			10/20/76	607	NIGHT	TWA	<	0.010	PPM	515	515	SINGLE	
			10/20/76	608	NIGHT	TWA	<	0.010	PPM	495	495	SINGLE	
			10/20/76	609	NIGHT	TWA	<	0.010	PPM	495	495	SINGLE	
			10/20/76	610	NIGHT	TWA	<	0.010	PPM	490	490	SINGLE	
			10/20/76	611	NIGHT	TWA	<	0.010	PPM	500	500	SINGLE	
			10/20/76	612	NIGHT	TWA	<	0.010	PPM	435	435	SINGLE	
			10/21/76	623	DAY	TWA	<	0.010	PPM	500	500	SINGLE	
			10/22/76	629	NIGHT	TWA	<	0.010	PPM	480	480	SINGLE	
			10/22/76	631	DAY	TWA	<	0.010	PPM	398	398	SINGLE	
			10/22/76	632	DAY	TWA	<	0.010	PPM	450	450	SINGLE	
			10/22/76	633	NIGHT	TWA		11.630	PPM	450	450	SINGLE	
			10/22/76	634	DAY	TWA	<	0.010	PPM	460	460	SINGLE	
			10/24/76	639	DAY	TWA	<	0.010	PPM	480	480	SINGLE	
			10/24/76	640	DAY	TWA	<	0.010	PPM	480	480	SINGLE	
			10/25/76	642	DAY	TWA		0.440	PPM	440	440	SINGLE	
			10/25/76	645	DAY	TWA	<	0.010	PPM	490	490	SINGLE	
NORMAL	PERSONAL	VCM	02/16/76	080	NIGHT	TWA		0.250	PPM	495	495	SINGLE	
			02/16/76	081	NIGHT	TWA	<	0.010	PPM	375	375	SINGLE	
			02/16/76	082	NIGHT	TWA	<	0.010	PPM	515	515	SINGLE	
			02/16/76	084	NIGHT	TWA		0.160	PPM	470	470	SINGLE	
			02/17/76	091	DAY	TWA	<	0.010	PPM	420	420	SINGLE	
			10/18/76	533	DAY	TWA		1.870	PPM	479	479	SINGLE	
			10/18/76	534	DAY	TWA		1.080	PPM	477	477	SINGLE	
			10/18/76	535	DAY	TWA		2.500	PPM	576	576	SINGLE	
			10/18/76	536	DAY	TWA		3.010	PPM	480	480	SINGLE	
			10/18/76	539	DAY	TWA		0.340	PPM	465	465	SINGLE	AIR-SPL FUL-FACE
			10/18/76	540	DAY	TWA		0.430	PPM	465	465	SINGLE	AIR-SPL FUL-FACE
			10/18/76	549	NIGHT	TWA		0.340	PPM	486	486	SINGLE	AIR-SPL FUL-FACE
			10/18/76	550	NIGHT	TWA	<	0.010	PPM	504	504	SINGLE	AIR-SPL FUL-FACE
			10/18/76	553	NIGHT	TWA	<	0.010	PPM	464	464	SINGLE	
			10/18/76	554	NIGHT	TWA		0.020	PPM	470	470	SINGLE	
			10/18/76	555	NIGHT	TWA	<	0.010	PPM	475	475	SINGLE	
			10/18/76	558	NIGHT	TWA	<	0.010	PPM	480	480	SINGLE	
			10/18/76	560	NIGHT	TWA		0.150	PPM	480	480	SINGLE	
			10/19/76	564	DAY	TWA	<	0.010	PPM	480	480	SINGLE	
			10/19/76	566	DAY	TWA		0.010	PPM	515	515	SINGLE	
			10/19/76	568	DAY	TWA		1.730	PPM	480	480	SINGLE	

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JOB NO. RUNKBN76

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO. 17
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PLANT-WIDE, MAINTENANCE

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: MECH HELPER

NORMAL	PERSONAL	VCM	DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
			10/19/76	569	DAY	TWA	< 0.010	PPM	470	470	SINGLE		
			10/19/76	570	DAY	TWA	0.010	PPM	465	465	SINGLE		
			10/19/76	571	DAY	TWA	< 0.010	PPM	465	465	SINGLE		
			10/19/76	572	DAY	TWA	0.030	PPM	470	470	SINGLE		
			10/19/76	573	DAY	TWA	< 0.010	PPM	505	505	SINGLE		
			10/19/76	574	DAY	TWA	0.090	PPM	470	470	SINGLE		
			10/19/76	579	NIGHT	TWA	1.120	PPM	486	486	SINGLE		
			10/19/76	580	NIGHT	TWA	< 0.010	PPM	520	520	SINGLE		
			10/19/76	581	NIGHT	TWA	< 0.010	PPM	475	475	SINGLE		
			10/19/76	582	NIGHT	TWA	< 0.010	PPM	120	120	SINGLE		
			10/19/76	583	NIGHT	TWA	< 0.010	PPM	443	443	SINGLE		
			10/19/76	585	NIGHT	TWA	0.040	PPM	480	480	SINGLE		
			10/19/76	586	NIGHT	TWA	0.030	PPM	485	485	SINGLE		
			10/19/76	587	NIGHT	TWA	0.030	PPM	495	495	SINGLE		
			10/19/76	588	NIGHT	TWA	0.060	PPM	525	525	SINGLE		
			10/19/76	589	NIGHT	TWA	0.070	PPM	485	485	SINGLE		
			10/20/76	590	DAY	TWA	< 0.010	PPM	490	490	SINGLE		
			10/20/76	593	DAY	TWA	< 0.010	PPM	540	540	SINGLE		
			10/20/76	595	DAY	TWA	0.350	PPM	600	600	SINGLE		
			10/20/76	598	DAY	TWA	< 0.010	PPM	600	600	SINGLE		
			10/20/76	604	NIGHT	TWA	< 0.010	PPM	455	455	SINGLE		
			10/20/76	607	NIGHT	TWA	< 0.010	PPM	515	515	SINGLE		
			10/20/76	608	NIGHT	TWA	0.150	PPM	495	495	SINGLE		
			10/20/76	609	NIGHT	TWA	0.120	PPM	495	495	SINGLE		
			10/20/76	610	NIGHT	TWA	< 0.010	PPM	490	490	SINGLE		
			10/20/76	611	NIGHT	TWA	< 0.010	PPM	500	500	SINGLE		
			10/20/76	612	NIGHT	TWA	< 0.010	PPM	435	435	SINGLE		
			10/21/76	621	DAY	TWA	< 0.010	PPM	563	563	SINGLE		
			10/21/76	622	DAY	TWA	< 0.010	PPM	500	500	SINGLE		
			10/21/76	623	DAY	TWA	< 0.010	PPM	500	500	SINGLE		
			10/21/76	624	DAY	TWA	< 0.010	PPM	480	480	SINGLE		
			10/22/76	629	NIGHT	TWA	< 0.010	PPM	480	480	SINGLE		
			10/22/76	631	DAY	TWA	< 0.010	PPM	398	398	SINGLE		
			10/22/76	632	DAY	TWA	< 0.010	PPM	450	450	SINGLE		
			10/22/76	633	NIGHT	TWA	0.350	PPM	450	450	SINGLE		
			10/22/76	634	DAY	TWA	< 0.010	PPM	460	460	SINGLE		
			10/24/76	639	DAY	TWA	< 0.010	PPM	480	480	SINGLE		
			10/24/76	640	DAY	TWA	< 0.010	PPM	480	480	SINGLE		
			10/25/76	642	DAY	TWA	< 0.010	PPM	440	440	SINGLE		

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JOB NO. RUNKBN76

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO. 18
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PLANT-WIDE, MAINTENANCE

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: MECH HELPER													
NORMAL	PERSONAL	VCM	10/25/76	645	DAY	TWA	< 0.010	PPM	490	490	SINGLE		
TASK: MILLRIGHT/PUMP MECH													
NORMAL	PERSONAL	EDC	02/15/76	073	DAY	TWA	17.990	PPM	515	515	SINGLE		
			02/20/76	098	DAY	TWA	1.070	PPM	474	474	SINGLE		
			02/24/76	104	DAY	TWA	3.550	PPM	480	480	SINGLE		
			03/09/76	141	DAY	TWA	9.700	PPM	442	442	SINGLE		
			03/15/76	146	DAY	TWA	< 0.010	PPM	660	660	SINGLE		
			03/29/76	165	DAY	TWA	7.900	PPM	390	390	SINGLE		
			04/15/76	191	DAY	TWA	0.090	PPM	467	467	SINGLE		
			05/25/76	277	DAY	TWA	1.480	PPM	420	420	SINGLE		
			06/14/76	291	DAY	TWA	6.640	PPM	435	435	SINGLE		
			07/09/76	332	DAY	TWA	2.180	PPM	425	425	SINGLE		
			08/05/76	387	DAY	TWA	< 0.010	PPM	475	475	SINGLE		
			08/20/76	432	DAY	TWA	1.990	PPM	350	350	SINGLE		
			09/09/76	465	DAY	TWA	1.290	PPM	457	457	SINGLE		
			09/17/76	478	NIGHT	TWA	2.880	PPM	480	480	SINGLE		
			10/08/76	514	DAY	TWA	< 0.010	PPM	485	485	SINGLE		
			10/17/76	530	DAY	TWA	1.220	PPM	340	340	SINGLE		
			10/18/76	538	DAY	TWA	8.090	PPM	447	447	SINGLE		
			10/19/76	565	DAY	TWA	< 0.010	PPM	520	520	SINGLE		
			10/20/76	606	NIGHT	TWA	< 0.010	PPM	435	435	SINGLE		
			10/25/76	643	DAY	TWA	< 0.010	PPM	495	495	SINGLE		
			11/23/76	695	DAY	TWA	3.940	PPM	443	443	SINGLE		
			12/15/76	730	DAY	TWA	0.680	PPM	490	490	SINGLE		
			12/28/76	752	DAY	TWA	13.080	PPM	465	465	SINGLE		
NORMAL	PERSONAL	VCM	02/15/76	073	DAY	TWA	0.730	PPM	515	515	SINGLE		
			02/20/76	098	DAY	TWA	< 0.010	PPM	474	474	SINGLE		
			02/24/76	104	DAY	TWA	< 0.010	PPM	480	480	SINGLE		
			03/09/76	141	DAY	TWA	< 0.010	PPM	442	442	SINGLE		
			03/15/76	146	DAY	TWA	0.360	PPM	660	660	SINGLE		
			03/29/76	165	DAY	TWA	0.340	PPM	390	390	SINGLE		
			04/15/76	191	DAY	TWA	< 0.010	PPM	467	467	SINGLE		
			05/25/76	277	DAY	TWA	0.090	PPM	420	420	SINGLE		
			06/14/76	291	DAY	TWA	0.100	PPM	435	435	SINGLE		
			07/09/76	332	DAY	TWA	1.270	PPM	425	425	SINGLE		
			08/05/76	387	DAY	TWA	0.110	PPM	475	475	SINGLE		
			08/20/76	432	DAY	TWA	0.160	PPM	350	350	SINGLE		

AIR-SPL FUL-FACE

REPORT NO. 25-7380
SOURCE NR738
JOB NO. RUNKBN76

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO. 19
DATE 03/13/84
TIME 14.31.48

PLANT-WIDE, MAINTENANCE

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: MILLRIGHT/PUMP MECH

NORMAL	PERSONAL	VCM	09/09/76	465	DAY	TWA	<	0.010	PPM	457	457	SINGLE	AIR-SPL FUL-FACE
			09/17/76	478	NIGHT	TWA		0.270	PPM	480	480	SINGLE	
			10/08/76	514	DAY	TWA	<	0.010	PPM	485	485	SINGLE	
			10/17/76	530	DAY	TWA		0.180	PPM	340	340	SINGLE	
			10/18/76	538	DAY	TWA		0.760	PPM	447	447	SINGLE	
			10/19/76	565	DAY	TWA	<	0.010	PPM	520	520	SINGLE	
			10/20/76	606	NIGHT	TWA	<	0.010	PPM	435	435	SINGLE	
			10/25/76	643	DAY	TWA	<	0.010	PPM	495	495	SINGLE	
			11/23/76	695	DAY	TWA		0.340	PPM	443	443	SINGLE	
			12/15/76	730	DAY	TWA		0.710	PPM	490	490	SINGLE	
12/28/76	752	DAY	TWA	<	0.010	PPM	465	465	SINGLE				

TASK: PIPE FITTER

NORMAL	PERSONAL	EDC	01/12/76	009	DAY	TWA		2.550	PPM	470	470	SINGLE	AIR-SPL FUL-FACE
			01/21/76	020	DAY	TWA	<	0.010	PPM	470	470	SINGLE	
			02/06/76	047	DAY	TWA	<	0.010	PPM	520	520	SINGLE	
			02/15/76	075	DAY	TWA		2.290	PPM	458	458	SINGLE	
			02/17/76	092	DAY	TWA		2.100	PPM	420	420	SINGLE	
			02/19/76	097	NIGHT	TWA		0.760	PPM	272	272	SINGLE	
			02/24/76	107	DAY	TWA		3.890	PPM	465	465	SINGLE	
			03/04/76	132	DAY	TWA		6.720	PPM	465	465	SINGLE	
			03/08/76	136	DAY	TWA		1.410	PPM	465	465	SINGLE	
			03/08/76	137	DAY	TWA		15.020	PPM	440	440	SINGLE	
			04/08/76	180	DAY	TWA		10.450	PPM	478	478	SINGLE	
			04/15/76	192	DAY	TWA		0.740	PPM	450	450	SINGLE	
			05/10/76	231	DAY	TWA		1.770	PPM	430	430	SINGLE	
			05/11/76	238	DAY	TWA		4.800	PPM	495	495	SINGLE	
			05/19/76	261	DAY	TWA		2.780	PPM	465	465	SINGLE	
			05/24/76	271	DAY	TWA		0.690	PPM	440	440	SINGLE	
			07/13/76	336	DAY	TWA		0.680	PPM	480	480	SINGLE	
			07/27/76	373	DAY	TWA		3.850	PPM	470	470	SINGLE	
			08/09/76	402	DAY	TWA	<	0.010	PPM	458	458	SINGLE	
			08/20/76	435	DAY	TWA		8.150	PPM	455	455	SINGLE	
			09/17/76	481	DAY	TWA		3.540	PPM	480	480	SINGLE	
			10/08/76	513	DAY	TWA	<	0.010	PPM	450	450	SINGLE	
			10/18/76	537	DAY	TWA	<	0.010	PPM	600	600	SINGLE	
			10/18/76	541	DAY	TWA	<	0.010	PPM	480	480	SINGLE	
			10/18/76	542	DAY	TWA		3.480	PPM	465	465	SINGLE	

REPORT NO. 25-7380
SOURCE NR738
JOB NO. RUNKBN76

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO. 20
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PLANT-WIDE, MAINTENANCE

SITE: CHM LAKE CHAS VCM

SUB-SITE: AREA/SECT:

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

TASK: PIPE FITTER													
NORMAL	PERSONAL	EDC	10/18/76	546	DAY	TWA	2.110	PPM	455	455	SINGLE		
			10/18/76	548	NIGHT	TWA	< 0.010	PPM	510	510	SINGLE	AIR-SPL FUL-FACE	
			10/18/76	551	NIGHT	TWA	< 0.010	PPM	465	465	SINGLE		
			10/18/76	552	NIGHT	TWA	6.610	PPM	465	465	SINGLE		
			10/18/76	559	NIGHT	TWA	1.230	PPM	467	467	SINGLE		
			10/19/76	567	DAY	TWA	3.850	PPM	420	420	SINGLE		
			10/19/76	575	DAY	TWA	5.970	PPM	470	470	SINGLE		
			10/19/76	584	NIGHT	TWA	< 0.010	PPM	441	441	SINGLE		
			10/20/76	592	DAY	TWA	< 0.010	PPM	540	540	SINGLE		
			10/20/76	597	DAY	TWA	0.210	PPM	480	480	SINGLE		
			10/20/76	599	DAY	TWA	< 0.010	PPM	600	600	SINGLE		
			10/20/76	605	NIGHT	TWA	10.200	PPM	535	535	SINGLE		
			10/22/76	630	NIGHT	TWA	< 0.010	PPM	480	480	SINGLE	AIR-SPL FUL-FACE	
			10/24/76	641	DAY	TWA	13.140	PPM	396	396	SINGLE		
			10/25/76	644	DAY	TWA	1.190	PPM	475	475	SINGLE		
			11/16/76	681	DAY	TWA	0.530	PPM	270	270	SINGLE		
			11/24/76	697	DAY	TWA	< 0.010	PPM	480	480	SINGLE		
NORMAL	PERSONAL	VCM	01/12/76	009	DAY	TWA	0.310	PPM	470	470	SINGLE		
			01/21/76	020	DAY	TWA	0.220	PPM	470	470	SINGLE		
			02/06/76	047	DAY	TWA	< 0.010	PPM	520	520	SINGLE		
			02/15/76	075	DAY	TWA	0.070	PPM	458	458	SINGLE		
			02/17/76	092	DAY	TWA	< 0.010	PPM	420	420	SINGLE		
			02/19/76	097	NIGHT	TWA	< 0.010	PPM	272	272	SINGLE		
			02/24/76	107	DAY	TWA	< 0.010	PPM	465	465	SINGLE		
			03/04/76	132	DAY	TWA	< 0.010	PPM	465	465	SINGLE		
			03/08/76	136	DAY	TWA	0.470	PPM	465	465	SINGLE		
			03/08/76	137	DAY	TWA	0.260	PPM	440	440	SINGLE		
			04/08/76	180	DAY	TWA	< 0.010	PPM	478	478	SINGLE		
			04/15/76	192	DAY	TWA	< 0.010	PPM	450	450	SINGLE	AIR-SPL FUL-FACE	
			05/10/76	231	DAY	TWA	0.060	PPM	430	430	SINGLE		
			05/11/76	238	DAY	TWA	0.950	PPM	495	495	SINGLE		
			05/19/76	261	DAY	TWA	0.020	PPM	465	465	SINGLE		
			05/24/76	271	DAY	TWA	0.040	PPM	440	440	SINGLE		
			07/13/76	336	DAY	TWA	0.100	PPM	480	480	SINGLE		
			07/27/76	373	DAY	TWA	2.860	PPM	470	470	SINGLE		
			08/09/76	402	DAY	TWA	< 0.010	PPM	458	458	SINGLE		
			08/20/76	435	DAY	TWA	1.430	PPM	455	455	SINGLE		
			09/17/76	481	DAY	TWA	0.350	PPM	480	480	SINGLE		
			10/08/76	513	DAY	TWA	0.060	PPM	450	450	SINGLE		

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SOURCE NR738
JOB NO. RUNKBN76

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO. 21
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PLANT-WIDE, MAINTENANCE

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: PIPE FITTER

NORMAL	PERSONAL	VCM	DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
			10/18/76	537	DAY	TWA	< 0.010	PPM	600	600	SINGLE		
			10/18/76	541	DAY	TWA	< 0.010	PPM	480	480	SINGLE		
			10/18/76	542	DAY	TWA	0.050	PPM	465	465	SINGLE	AIR-SPL FUL-FACE	
			10/18/76	546	DAY	TWA	< 0.010	PPM	455	455	SINGLE		
			10/18/76	548	NIGHT	TWA	< 0.010	PPM	510	510	SINGLE	AIR-SPL FUL-FACE	
			10/18/76	551	NIGHT	TWA	< 0.010	PPM	465	465	SINGLE		
			10/18/76	552	NIGHT	TWA	< 0.010	PPM	465	465	SINGLE		
			10/18/76	559	NIGHT	TWA	< 0.010	PPM	467	467	SINGLE		
			10/19/76	567	DAY	TWA	1.640	PPM	420	420	SINGLE		
			10/19/76	575	DAY	TWA	0.730	PPM	470	470	SINGLE		
			10/19/76	584	NIGHT	TWA	< 0.010	PPM	441	441	SINGLE		
			10/20/76	592	DAY	TWA	0.260	PPM	540	540	SINGLE		
			10/20/76	597	DAY	TWA	< 0.010	PPM	480	480	SINGLE		
			10/20/76	599	DAY	TWA	0.280	PPM	600	600	SINGLE		
			10/20/76	605	NIGHT	TWA	1.260	PPM	535	535	SINGLE		
			10/21/76	625	DAY	TWA	0.120	PPM	600	600	SINGLE		
			10/21/76	626	DAY	TWA	< 0.010	PPM	560	560	SINGLE		
			10/22/76	630	NIGHT	TWA	< 0.010	PPM	480	480	SINGLE	AIR-SPL FUL-FACE	
			10/24/76	641	DAY	TWA	0.130	PPM	396	396	SINGLE		
			10/25/76	644	DAY	TWA	< 0.010	PPM	475	475	SINGLE		
			11/11/76	673	DAY	TWA	0.040	PPM	465	465	SINGLE		
			11/16/76	681	DAY	TWA	< 0.010	PPM	270	270	SINGLE		
			11/24/76	697	DAY	TWA	< 0.010	PPM	480	480	SINGLE		

TASK: WELDER

NORMAL	PERSONAL	EDC	DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
			01/29/76	034	DAY	TWA	< 0.010	PPM	480	480	SINGLE		
			02/15/76	077	DAY	TWA	5.230	PPM	510	510	SINGLE		
			02/25/76	111	NIGHT	TWA	4.090	PPM	580	580	SINGLE		
			02/25/76	112	NIGHT	TWA	2.800	PPM	596	596	SINGLE		
			02/25/76	115	DAY	TWA	1.480	PPM	522	522	SINGLE		
			03/03/76	129	DAY	TWA	2.940	PPM	518	518	SINGLE		
			04/09/76	182	DAY	TWA	2.480	PPM	450	450	SINGLE	AIR-SPL FUL-FACE	
			04/12/76	183	DAY	TWA	< 0.010	PPM	480	480	SINGLE		
			05/10/76	225	DAY	TWA	< 0.010	PPM	430	430	SINGLE		
			05/10/76	226	DAY	TWA	0.720	PPM	425	425	SINGLE		
			05/12/76	239	DAY	TWA	0.340	PPM	480	480	SINGLE		
			05/12/76	243	DAY	TWA	5.170	PPM	480	480	SINGLE		
			05/17/76	252	DAY	TWA	< 0.010	PPM	480	480	SINGLE		

REPORT NO. 25-7380
SOURCE NR738
JOB NO. RUNKBN76

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO. 22
DATE 03/13/84
TIME 14.31.48

PLANT-WIDE, MAINTENANCE

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: WELDER													
NORMAL	PERSONAL	EDC	05/17/76	253	DAY	TWA	< 0.010	PPM	480	480	SINGLE		
			05/19/76	260	DAY	TWA	1.930	PPM	472	472	SINGLE		
			07/22/76	362	DAY	TWA	1.240	PPM	430	430	SINGLE		
			07/28/76	376	DAY	TWA	0.120	PPM	456	456	SINGLE		
			08/16/76	425	DAY	TWA	1.060	PPM	413	413	SINGLE		
			08/27/76	444	DAY	TWA	0.560	PPM	470	470	SINGLE		
			09/15/76	473	DAY	TWA	< 0.010	PPM	480	480	SINGLE		
			09/23/76	494	DAY	TWA	0.630	PPM	415	415	SINGLE		
			10/17/76	528	EVENG	TWA	0.510	PPM	300	300	SINGLE	AIR-SPL FUL-FACE	
			10/19/76	576	NIGHT	TWA	< 0.010	PPM	520	520	SINGLE		
			10/20/76	594	DAY	TWA	0.190	PPM	600	600	SINGLE		
			10/20/76	602	DAY	TWA	< 0.010	PPM	600	600	SINGLE		
			10/26/76	648	DAY	TWA	0.420	PPM	428	428	SINGLE		
			12/13/76	724	DAY	TWA	1.070	PPM	480	480	SINGLE		
NORMAL	PERSONAL	VCM	01/29/76	034	DAY	TWA	0.060	PPM	480	480	SINGLE		
			02/15/76	077	DAY	TWA	< 0.010	PPM	510	510	SINGLE		
			02/25/76	111	NIGHT	TWA	0.380	PPM	580	580	SINGLE		
			02/25/76	112	NIGHT	TWA	0.100	PPM	596	596	SINGLE		
			02/25/76	115	DAY	TWA	< 0.010	PPM	522	522	SINGLE		
			03/03/76	129	DAY	TWA	< 0.010	PPM	518	518	SINGLE		
			04/09/76	182	DAY	TWA	< 0.010	PPM	450	450	SINGLE	AIR-SPL FUL-FACE	
			04/12/76	183	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/10/76	225	DAY	TWA	0.160	PPM	430	430	SINGLE		
			05/10/76	226	DAY	TWA	1.710	PPM	425	425	SINGLE		
			05/12/76	239	DAY	TWA	0.250	PPM	480	480	SINGLE		
			05/12/76	243	DAY	TWA	1.160	PPM	480	480	SINGLE		
			05/17/76	252	DAY	TWA	< 0.010	PPM	480	480	SINGLE		
			05/17/76	253	DAY	TWA	< 0.010	PPM	480	480	SINGLE		
			05/19/76	260	DAY	TWA	< 0.010	PPM	472	472	SINGLE		
			07/22/76	362	DAY	TWA	0.060	PPM	430	430	SINGLE		
			07/28/76	376	DAY	TWA	1.090	PPM	456	456	SINGLE		
			08/16/76	425	DAY	TWA	< 0.010	PPM	413	413	SINGLE		
			08/27/76	444	DAY	TWA	2.140	PPM	470	470	SINGLE		
			09/15/76	473	DAY	TWA	< 0.010	PPM	480	480	SINGLE		
			09/23/76	494	DAY	TWA	< 0.010	PPM	415	415	SINGLE		
			10/17/76	528	EVENG	TWA	0.400	PPM	300	300	SINGLE	AIR-SPL FUL-FACE	
			10/19/76	576	NIGHT	TWA	< 0.010	PPM	520	520	SINGLE		
			10/20/76	594	DAY	TWA	< 0.010	PPM	600	600	SINGLE		
			10/20/76	602	DAY	TWA	< 0.010	PPM	600	600	SINGLE		

CCR 000013124

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SOURCE NR738
JOB NO. RUNKBN76

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO. 23
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TIME 14.31.48

PLANT-WIDE, MAINTENANCE

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: WELDER													
NORMAL	PERSONAL	VCM	10/21/76	620	DAY	TWA	<	0.010	PPM	567	567	SINGLE	
			10/26/76	648	DAY	TWA	<	0.010	PPM	428	428	SINGLE	
			12/13/76	724	DAY	TWA		0.060	PPM	480	480	SINGLE	

CCR 000013125

REPORT NO. 25-7380
SOURCE NR738
JOB NO. RUNKBN76

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO. 24
DATE 03/13/84
TIME 14.31.48

VCM PRODUCTION UNIT

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: IN, BOARDMAN/OPER

NORMAL	PERSONAL	EDC	01/14/76	012	NIGHT	TWA	0.480	PPM	480	480	SINGLE			
			01/28/76	033	NIGHT	TWA	<	0.010	PPM	476	476	SINGLE		
			02/09/76	049	NIGHT	TWA	<	0.010	PPM	450	450	SINGLE		
			02/11/76	052	EVENG	TWA	<	0.010	PPM	435	435	SINGLE		
			02/24/76	105	DAY	TWA		2.830	PPM	335	335	SINGLE		
			03/09/76	140	DAY	TWA		12.510	PPM	400	400	SINGLE		
			03/18/76	152	NIGHT	TWA		4.710	PPM	416	416	SINGLE		
			03/19/76	155	EVENG	TWA		2.940	PPM	435	435	SINGLE		
			04/28/76	209	EVENG	TWA		0.660	PPM	480	480	SINGLE		
			05/17/76	255	DAY	TWA	<	0.010	PPM	422	422	SINGLE		
			05/21/76	269	DAY	TWA		2.790	PPM	420	420	SINGLE		
			05/24/76	274	DAY	TWA		0.210	PPM	390	390	SINGLE		
			06/17/76	303	EVENG	TWA		0.160	PPM	435	435	SINGLE		
			07/12/76	334	DAY	TWA		0.650	PPM	420	420	SINGLE		
			08/11/76	413	DAY	TWA	<	0.010	PPM	400	400	SINGLE		
			08/26/76	443	EVENG	TWA		0.090	PPM	450	450	SINGLE		
			08/27/76	448	NIGHT	TWA	<	0.010	PPM	350	350	SINGLE		
			09/09/76	464	NIGHT	TWA	<	0.010	PPM	480	480	SINGLE		
			09/20/76	484	DAY	TWA		0.910	PPM	450	450	SINGLE		
			11/19/76	691	DAY	TWA	<	0.010	PPM	450	450	SINGLE		
11/24/76	699	EVENG	TWA		0.050	PPM	475	475	SINGLE					
12/06/76	711	DAY	TWA	<	0.010	PPM	420	420	SINGLE					
12/17/76	732	DAY	TWA	<	0.010	PPM	420	420	SINGLE					
12/22/76	741	NIGHT	TWA	<	0.010	PPM	420	420	SINGLE					
NORMAL	PERSONAL	VCM	01/14/76	012	NIGHT	TWA	0.690	PPM	480	480	SINGLE			
			01/28/76	033	NIGHT	TWA	<	0.010	PPM	476	476	SINGLE		
			02/09/76	049	NIGHT	TWA	<	0.010	PPM	450	450	SINGLE		
			02/11/76	052	EVENG	TWA	<	0.010	PPM	435	435	SINGLE		
			02/24/76	105	DAY	TWA	<	0.010	PPM	335	335	SINGLE		
			03/09/76	140	DAY	TWA	<	0.010	PPM	400	400	SINGLE		
			03/18/76	152	NIGHT	TWA		0.010	PPM	416	416	SINGLE		
			03/19/76	155	EVENG	TWA		0.140	PPM	435	435	SINGLE		
			04/28/76	209	EVENG	TWA		0.110	PPM	480	480	SINGLE		
			05/17/76	255	DAY	TWA		0.090	PPM	422	422	SINGLE		
			05/21/76	269	DAY	TWA		0.060	PPM	420	420	SINGLE		
			05/24/76	274	DAY	TWA		0.700	PPM	390	390	SINGLE		
			06/17/76	303	EVENG	TWA	<	0.010	PPM	435	435	SINGLE		
			07/12/76	334	DAY	TWA		0.340	PPM	420	420	SINGLE		

REPORT NO. 25-7380
SOURCE NR738
JOB NO. RUNKBN76

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS
VCM PRODUCTION UNIT

PAGE NO. 25
DATE 03/13/84
TIME 14.31.48

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: IN, BOARDMAN/OPER

NORMAL	PERSONAL	VCM	08/11/76	413	DAY	TWA	0.050	PPM	400	400	SINGLE		
			08/26/76	443	EVENG	TWA	0.040	PPM	450	450	SINGLE		
			08/27/76	448	NIGHT	TWA	< 0.010	PPM	350	350	SINGLE		
			09/09/76	464	NIGHT	TWA	0.610	PPM	480	480	SINGLE		
			09/20/76	484	DAY	TWA	0.240	PPM	450	450	SINGLE		
			11/19/76	691	DAY	TWA	< 0.010	PPM	450	450	SINGLE		
			11/24/76	699	EVENG	TWA	< 0.010	PPM	475	475	SINGLE		
			12/06/76	711	DAY	TWA	0.180	PPM	420	420	SINGLE		
			12/17/76	732	DAY	TWA	0.270	PPM	420	420	SINGLE		
			12/22/76	741	NIGHT	TWA	< 0.010	PPM	420	420	SINGLE		

TASK: OPER SHIFT SUPERVSR

NORMAL	PERSONAL	EDC	01/08/76	003	EVENG	TWA	< 0.010	PPM	409	409	SINGLE	AIR-SPL FUL-FACE	
			01/09/76	006	DAY	TWA	7.130	PPM	165	165	SINGLE		
			01/09/76	007	DAY	STEL	< 0.010	PPM	1		SINGLE		
			01/10/76	008	EVENG	TWA	3.640	PPM	360	360	SINGLE		
			01/18/76	015	EVENG	TWA	13.890	PPM	360	360	SINGLE	AIR-SPL FUL-FACE	
			01/18/76	016	DAY	STEL	< 0.010	PPM	1		SINGLE		
			01/19/76	017	NIGHT	TWA	11.810	PPM	417	417	SINGLE		
			01/21/76	019	EVENG	TWA	20.130	PPM	468	468	SINGLE		
			01/22/76	023	EVENG	TWA	12.500	PPM	480	480	SINGLE	AIR-SPL FUL-FACE	
			01/22/76	024	DAY	STEL	4.830	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			01/24/76	025	EVENG	TWA	0.310	PPM	420	420	SINGLE	AIR-SPL FUL-FACE	
			01/24/76	026	DAY	STEL	2.250	PPM	1		SINGLE		
			01/27/76	031	NIGHT	TWA	< 0.010	PPM	422	422	SINGLE		
			02/03/76	036	NIGHT	TWA	< 0.010	PPM	65	65	SINGLE	AIR-SPL FUL-FACE	
			02/03/76	037	NIGHT	TWA	< 0.010	PPM	456	456	SINGLE	AIR-SPL FUL-FACE	
			02/06/76	046	DAY	TWA	< 0.010	PPM	460	460	SINGLE		
			02/14/76	059	DAY	TWA	3.700	PPM	500	500	SINGLE		
			02/15/76	071	NIGHT	TWA	6.820	PPM	503	503	SINGLE		
			02/16/76	086	NIGHT	TWA	< 0.010	PPM	490	490	SINGLE		
			02/19/76	096	EVENG	TWA	0.960	PPM	360	360	SINGLE		
			02/23/76	099	NIGHT	TWA	0.490	PPM	489	489	SINGLE		
			02/23/76	100	NIGHT	TWA	0.610	PPM	90	90	SINGLE	AIR-SPL FUL-FACE	
			02/23/76	102	EVENG	TWA	2.940	PPM	370	370	SINGLE	AIR-SPL FUL-FACE	
			02/23/76	103	EVENG	STEL	3.250	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			02/27/76	119	NIGHT	TWA	3.580	PPM	480	480	SINGLE		
			02/27/76	120	DAY	TWA	5.010	PPM	498	498	SINGLE		

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SOURCE NR738
JOB NO. RUNKBN76

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO. 26
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TIME 14.31.48

VCM PRODUCTION UNIT

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: OPER SHIFT SUPERVSR													
NORMAL	PERSONAL	EDC	02/27/76	121	DAY	STEL	2.360	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			02/27/76	122	EVENG	TWA	3.950	PPM	378	378	SINGLE	AIR-SPL	FUL-FACE
			02/27/76	123	EVENG	STEL	1.670	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			03/01/76	124	NIGHT	TWA	3.740	PPM	357	357	SINGLE		
			03/20/76	156	NIGHT	TWA	1.180	PPM	500	500	SINGLE	AIR-SPL	FUL-FACE
			03/20/76	158	EVENG	TWA	5.730	PPM	450	450	SINGLE	AIR-SPL	FUL-FACE
			03/21/76	159	DAY	TWA	2.930	PPM	410	410	SINGLE	AIR-SPL	FUL-FACE
			03/25/76	160	DAY	TWA	7.360	PPM	246	246	SINGLE	AIR-SPL	FUL-FACE
			03/26/76	163	NIGHT	TWA	2.860	PPM	435	435	SINGLE	AIR-SPL	FUL-FACE
			03/31/76	167	EVENG	TWA	0.360	PPM	440	440	SINGLE		
			03/31/76	169	DAY	TWA	1.000	PPM	455	455	SINGLE		
			04/01/76	171	NIGHT	TWA	< 0.010	PPM	465	465	SINGLE	AIR-SPL	FUL-FACE
			04/06/76	173	NIGHT	TWA	1.550	PPM	430	430	SINGLE		
			04/06/76	174	DAY	TWA	7.440	PPM	436	436	SINGLE		
			04/06/76	176	EVENG	TWA	4.430	PPM	465	465	SINGLE		
			04/17/76	193	DAY	TWA	< 0.010	PPM	280	280	SINGLE		
			04/17/76	194	EVENG	TWA	9.880	PPM	360	360	SINGLE	AIR-SPL	FUL-FACE
			04/18/76	196	DAY	TWA	0.560	PPM	240	240	SINGLE	AIR-SPL	FUL-FACE
			04/19/76	197	EVENG	TWA	< 0.010	PPM	475	475	SINGLE	AIR-SPL	FUL-FACE
			04/19/76	198	EVENG	STEL	< 0.010	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			04/19/76	200	DAY	TWA	< 0.010	PPM	315	315	SINGLE	AIR-SPL	FUL-FACE
			05/05/76	220	NIGHT	TWA	4.510	PPM	452	452	SINGLE	AIR-SPL	FUL-FACE
			05/06/76	221	DAY	TWA	2.450	PPM	429	429	SINGLE	AIR-SPL	FUL-FACE
			05/06/76	223	NIGHT	TWA	0.800	PPM	435	435	SINGLE	AIR-SPL	FUL-FACE
			05/10/76	227	EVENG	TWA	1.080	PPM	363	363	SINGLE	AIR-SPL	FUL-FACE
			05/11/76	233	DAY	TWA	0.510	PPM	413	413	SINGLE	AIR-SPL	FUL-FACE
			05/11/76	236	NIGHT	TWA	1.050	PPM	420	420	SINGLE	AIR-SPL	FUL-FACE
			05/15/76	246	EVENG	TWA	< 0.010	PPM	400	400	SINGLE	AIR-SPL	FUL-FACE
			05/16/76	248	NIGHT	TWA	< 0.010	PPM	410	410	SINGLE	AIR-SPL	FUL-FACE
			05/16/76	250	EVENG	TWA	< 0.010	PPM	430	430	SINGLE	AIR-SPL	FUL-FACE
			05/24/76	272	DAY	TWA	0.100	PPM	400	400	SINGLE	AIR-SPL	FUL-FACE
			06/04/76	280	DAY	TWA	< 0.010	PPM	480	480	SINGLE	AIR-SPL	FUL-FACE
			06/14/76	289	NIGHT	TWA	6.360	PPM	450	450	SINGLE		
			06/15/76	294	EVENG	TWA	5.950	PPM	465	465	SINGLE		
			06/24/76	310	EVENG	TWA	< 0.010	PPM	455	455	SINGLE	AIR-SPL	FUL-FACE
			06/24/76	311	DAY	TWA	< 0.010	PPM	260	260	SINGLE		
			07/01/76	317	EVENG	TWA	1.170	PPM	475	475	SINGLE	AIR-SPL	FUL-FACE
			07/02/76	318	EVENG	TWA	0.110	PPM	480	480	SINGLE	AIR-SPL	FUL-FACE
			07/02/76	322	NIGHT	TWA	< 0.010	PPM	405	405	SINGLE		

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VCN PRODUCTION UNIT

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: OPER SHIFT SUPERVSR													
NORMAL	PERSONAL	EDC	07/06/76	324	EVENG	TWA	0.300	PPM	430	430	SINGLE	AIR-SPL FUL-FACE	
			07/07/76	327	NIGHT	TWA	2.970	PPM	455	455	SINGLE	AIR-SPL FUL-FACE	
			07/15/76	343	NIGHT	TWA	< 0.010	PPM	420	420	SINGLE		
			07/15/76	351	EVENG	TWA	< 0.010	PPM	440	440	SINGLE	AIR-SPL FUL-FACE	
			07/23/76	367	DAY	TWA	< 0.010	PPM	405	405	SINGLE		
			07/30/76	378	DAY	TWA	0.590	PPM	440	440	SINGLE	AIR-SPL FUL-FACE	
			07/30/76	379	NIGHT	TWA	0.530	PPM	390	390	SINGLE	AIR-SPL FUL-FACE	
			08/03/76	384	NIGHT	TWA	0.770	PPM	450	450	SINGLE		
			08/14/76	423	EVENG	TWA	0.860	PPM	435	435	SINGLE	AIR-SPL FUL-FACE	
			08/17/76	429	DAY	TWA	1.970	PPM	440	440	SINGLE	AIR-SPL FUL-FACE	
			08/24/76	438	EVENG	TWA	0.410	PPM	450	450	SINGLE		
			08/26/76	441	DAY	TWA	0.520	PPM	470	470	SINGLE		
			08/27/76	446	EVENG	TWA	0.220	PPM	379	379	SINGLE		
			09/01/76	452	EVENG	TWA	1.340	PPM	410	410	SINGLE	AIR-SPL FUL-FACE	
			09/02/76	453	NIGHT	TWA	< 0.010	PPM	350	350	SINGLE	AIR-SPL FUL-FACE	
			09/07/76	457	DAY	TWA	4.870	PPM	385	385	SINGLE		
			09/16/76	474	DAY	TWA	26.900	PPM	490	490	SINGLE	AIR-SPL FUL-FACE	
			09/17/76	480	DAY	TWA	0.550	PPM	440	440	SINGLE	AIR-SPL FUL-FACE	
			09/21/76	485	EVENG	TWA	4.720	PPM	415	415	SINGLE		
			09/21/76	487	DAY	TWA	1.240	PPM	440	440	SINGLE		
			09/25/76	500	NIGHT	TWA	< 0.010	PPM	433	433	SINGLE	AIR-SPL FUL-FACE	
			10/02/76	503	DAY	TWA	< 0.010	PPM	432	432	SINGLE	AIR-SPL FUL-FACE	
			10/07/76	511	NIGHT	TWA	0.830	PPM	450	450	SINGLE	AIR-SPL FUL-FACE	
			10/07/76	512	DAY	TWA	< 0.010	PPM	450	450	SINGLE	AIR-SPL FUL-FACE	
			10/11/76	517	DAY	TWA	0.440	PPM	490	490	SINGLE	AIR-SPL FUL-FACE	
			10/24/76	637	DAY	TWA	1.210	PPM	435	435	SINGLE	AIR-SPL FUL-FACE	
			10/24/76	638	NIGHT	TWA	< 0.010	PPM	390	390	SINGLE		
			10/27/76	652	EVENG	TWA	< 0.010	PPM	438	438	SINGLE		
			11/16/76	680	DAY	TWA	7.350	PPM	435	435	SINGLE		
			11/18/76	686	EVENG	TWA	0.050	PPM	430	430	SINGLE	AIR-SPL FUL-FACE	
			11/19/76	690	NIGHT	TWA	< 0.010	PPM	390	390	SINGLE	AIR-SPL FUL-FACE	
			11/24/76	698	NIGHT	TWA	< 0.010	PPM	468	468	SINGLE		
			11/27/76	701	NIGHT	TWA	0.050	PPM	435	435	SINGLE		
			11/27/76	702	DAY	TWA	10.480	PPM	420	420	SINGLE	AIR-SPL FUL-FACE	
			11/28/76	705	DAY	TWA	16.630	PPM	410	410	SINGLE	AIR-SPL FUL-FACE	
			11/29/76	707	NIGHT	TWA	< 0.010	PPM	408	408	SINGLE		
			11/29/76	709	EVENG	TWA	< 0.010	PPM	240	240	SINGLE	AIR-SPL FUL-FACE	
			12/11/76	720	DAY	TWA	0.580	PPM	435	435	SINGLE		
			12/12/76	722	NIGHT	TWA	< 0.010	PPM	420	420	SINGLE		

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VCM PRODUCTION UNIT

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: OPER SHIFT SUPERVSR													
NORMAL	PERSONAL	EDC	12/14/76	728	EVENG	TWA	< 0.010	PPM	425	425	SINGLE	AIR-SPL FUL-FACE	
			12/15/76	729	DAY	TWA	4.750	PPM	240	240	SINGLE		
			12/15/76	731	EVENG	TWA	< 0.010	PPM	105	105	SINGLE		
			12/26/76	744	DAY	TWA	1.000	PPM	410	410	SINGLE	AIR-SPL FUL-FACE	
			12/27/76	746	NIGHT	TWA	< 0.010	PPM	360	360	SINGLE	AIR-SPL FUL-FACE	
			12/27/76	748	DAY	TWA	< 0.010	PPM	405	405	SINGLE		
			12/28/76	753	DAY	TWA	0.680	PPM	403	403	SINGLE	AIR-SPL FUL-FACE	
			12/29/76	756	NIGHT	TWA	< 0.010	PPM	425	425	SINGLE		
NORMAL	PERSONAL	VCM	01/08/76	003	EVENG	TWA	3.310	PPM	409	409	SINGLE	AIR-SPL FUL-FACE	
			01/09/76	006	DAY	TWA	5.810	PPM	165	165	SINGLE		
			01/09/76	007	DAY	STEL	2.170	PPM	1		SINGLE		
			01/10/76	008	EVENG	TWA	2.160	PPM	360	360	SINGLE		
			01/18/76	015	EVENG	TWA	0.350	PPM	360	360	SINGLE	AIR-SPL FUL-FACE	
			01/18/76	016	DAY	STEL	< 0.010	PPM	1		SINGLE		
			01/19/76	017	NIGHT	TWA	2.350	PPM	417	417	SINGLE		
			01/21/76	019	EVENG	TWA	1.220	PPM	468	468	SINGLE		
			01/22/76	023	EVENG	TWA	1.850	PPM	480	480	SINGLE	AIR-SPL FUL-FACE	
			01/22/76	024	DAY	STEL	0.900	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			01/24/76	025	EVENG	TWA	3.820	PPM	420	420	SINGLE	AIR-SPL FUL-FACE	
			01/24/76	026	DAY	STEL	14.040	PPM	1		SINGLE		
			01/27/76	031	NIGHT	TWA	< 0.010	PPM	422	422	SINGLE		
			02/03/76	036	NIGHT	TWA	> 9.990	PPM	65	65	SINGLE	AIR-SPL FUL-FACE	
			02/03/76	037	NIGHT	TWA	33.370	PPM	456	456	SINGLE	AIR-SPL FUL-FACE	
			02/06/76	046	DAY	TWA	< 0.010	PPM	460	460	SINGLE		
			02/14/76	059	DAY	TWA	0.250	PPM	500	500	SINGLE		
			02/15/76	071	NIGHT	TWA	7.640	PPM	503	503	SINGLE		
			02/16/76	086	NIGHT	TWA	< 0.010	PPM	490	490	SINGLE		
			02/19/76	096	EVENG	TWA	< 0.010	PPM	360	360	SINGLE		
			02/23/76	099	NIGHT	TWA	35.560	PPM	489	489	SINGLE		
			02/23/76	100	NIGHT	TWA	199.000	PPM	90	90	SINGLE	AIR-SPL FUL-FACE	
			02/23/76	102	EVENG	TWA	10.780	PPM	370	370	SINGLE	AIR-SPL FUL-FACE	
			02/23/76	103	EVENG	STEL	23.310	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			02/27/76	119	NIGHT	TWA	0.500	PPM	480	480	SINGLE		
			02/27/76	120	DAY	TWA	6.400	PPM	498	498	SINGLE		
			02/27/76	121	DAY	STEL	23.480	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			02/27/76	122	EVENG	TWA	3.400	PPM	378	378	SINGLE	AIR-SPL FUL-FACE	
			02/27/76	123	EVENG	STEL	0.070	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			03/01/76	124	NIGHT	TWA	< 0.010	PPM	357	357	SINGLE		
			03/10/76	142	DAY	TWA	13.470	PPM	480	480	SINGLE	AIR-SPL FUL-FACE	

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VCM PRODUCTION UNIT

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: OPER SHIFT SUPERVSR													
NORMAL	PERSONAL	VCM	03/20/76	156	NIGHT	TWA	7.370	PPM	500	500	SINGLE	AIR-SPL FUL-FACE	
			03/20/76	157	NIGHT	STEL	23.600	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			03/20/76	158	EVENG	TWA	1.060	PPM	450	450	SINGLE	AIR-SPL FUL-FACE	
			03/21/76	159	DAY	TWA	10.490	PPM	410	410	SINGLE	AIR-SPL FUL-FACE	
			03/25/76	160	DAY	TWA	1.010	PPM	246	246	SINGLE	AIR-SPL FUL-FACE	
			03/25/76	161	EVENG	STEL	6.200	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			03/26/76	163	NIGHT	TWA	7.500	PPM	435	435	SINGLE	AIR-SPL FUL-FACE	
			03/26/76	164	NIGHT	STEL	11.800	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			03/31/76	167	EVENG	TWA	1.960	PPM	440	440	SINGLE		
			03/31/76	168	DAY	TWA	6.190	PPM	135	135	SINGLE	AIR-SPL FUL-FACE	
			03/31/76	169	DAY	TWA	2.260	PPM	455	455	SINGLE		
			04/01/76	170	NIGHT	STEL	24.300	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			04/01/76	171	NIGHT	TWA	0.020	PPM	465	465	SINGLE	AIR-SPL FUL-FACE	
			04/06/76	173	NIGHT	TWA	0.070	PPM	430	430	SINGLE		
			04/06/76	174	DAY	TWA	0.010	PPM	436	436	SINGLE		
			04/06/76	176	EVENG	TWA	0.450	PPM	465	465	SINGLE		
			04/07/76	179	NIGHT	TWA	6.000	PPM	105	105	SINGLE	AIR-SPL FUL-FACE	
			04/17/76	193	DAY	TWA	0.840	PPM	280	280	SINGLE		
			04/17/76	194	EVENG	TWA	62.650	PPM	360	360	SINGLE	AIR-SPL FUL-FACE	
			04/18/76	195	DAY	STEL	3.880	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			04/18/76	196	DAY	TWA	12.290	PPM	240	240	SINGLE	AIR-SPL FUL-FACE	
			04/19/76	197	EVENG	TWA	2.720	PPM	475	475	SINGLE	AIR-SPL FUL-FACE	
			04/19/76	198	EVENG	STEL	44.480	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			04/19/76	199	DAY	STEL	2.350	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			04/19/76	200	DAY	TWA	0.130	PPM	315	315	SINGLE	AIR-SPL FUL-FACE	
			05/05/76	220	NIGHT	TWA	2.570	PPM	452	452	SINGLE	AIR-SPL FUL-FACE	
			05/06/76	221	DAY	TWA	1.470	PPM	429	429	SINGLE	AIR-SPL FUL-FACE	
			05/06/76	222	DAY	STEL	13.500	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			05/06/76	223	NIGHT	TWA	3.480	PPM	435	435	SINGLE	AIR-SPL FUL-FACE	
			05/06/76	224	NIGHT	STEL	9.900	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			05/10/76	227	EVENG	TWA	7.530	PPM	363	363	SINGLE	AIR-SPL FUL-FACE	
			05/11/76	233	DAY	TWA	2.530	PPM	413	413	SINGLE	AIR-SPL FUL-FACE	
			05/11/76	234	DAY	STEL	18.550	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			05/11/76	236	NIGHT	TWA	16.690	PPM	420	420	SINGLE	AIR-SPL FUL-FACE	
			05/11/76	237	NIGHT	TWA	101.000	PPM	70	70	SINGLE	AIR-SPL FUL-FACE	
			05/15/76	246	EVENG	TWA	1.210	PPM	400	400	SINGLE	AIR-SPL FUL-FACE	
			05/15/76	247	EVENG	STEL	15.240	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			05/16/76	248	NIGHT	TWA	1.270	PPM	410	410	SINGLE	AIR-SPL FUL-FACE	
			05/16/76	249	NIGHT	STEL	5.840	PPM	1		SINGLE	AIR-SPL FUL-FACE	

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CHEMICAL MONITORING BY PROCESS

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VCM PRODUCTION UNIT

SITE: CHM LAKE CHAS VCM

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AREA/SECT:

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

TASK: OPER SHIFT SUPERVSR													
NORMAL	PERSONAL	VCM	05/16/76	250	EVENG	TWA	9.310	PPM	430	430	SINGLE	AIR-SPL FUL-FACE	
			05/16/76	251	EVENG	STEL	23.660	PPM	1		SINGLE		
			05/17/76	254	DAY	STEL	14.940	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			05/21/76	226	DAY	STEL	7.200	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			05/23/76	270	NIGHT	STEL	15.700	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			05/24/76	272	DAY	TWA	1.700	PPM	400	400	SINGLE	AIR-SPL FUL-FACE	
			05/24/76	273	DAY	STEL	4.370	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			06/03/76	278	EVENG	STEL	3.480	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			06/04/76	279	DAY	STEL	29.950	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			06/04/76	280	DAY	TWA	1.320	PPM	480	480	SINGLE	AIR-SPL FUL-FACE	
			06/14/76	289	NIGHT	TWA	1.230	PPM	450	450	SINGLE		
			06/15/76	294	EVENG	TWA	0.330	PPM	465	465	SINGLE		
			06/18/76	304	EVENG	STEL	3.450	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			06/24/76	310	EVENG	TWA	0.010	PPM	455	455	SINGLE	AIR-SPL FUL-FACE	
			06/24/76	311	DAY	TWA	0.010	PPM	260	260	SINGLE		
			06/25/76	312	NIGHT	STEL	0.040	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			07/01/76	317	EVENG	TWA	0.300	PPM	475	475	SINGLE	AIR-SPL FUL-FACE	
			07/02/76	318	EVENG	TWA	0.710	PPM	480	480	SINGLE	AIR-SPL FUL-FACE	
			07/02/76	321	NIGHT	STEL	0.250	PPM	1		SINGLE		
			07/02/76	322	NIGHT	TWA	0.090	PPM	405	405	SINGLE		
			07/06/76	324	EVENG	TWA	0.580	PPM	430	430	SINGLE	AIR-SPL FUL-FACE	
			07/07/76	326	EVENG	STEL	0.090	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			07/07/76	327	NIGHT	TWA	0.560	PPM	455	455	SINGLE	AIR-SPL FUL-FACE	
			07/15/76	343	NIGHT	TWA	0.470	PPM	420	420	SINGLE		
			07/15/76	344	NIGHT	TWA	0.120	PPM	150	150	SINGLE	AIR-SPL FUL-FACE	
			07/15/76	351	EVENG	TWA	0.180	PPM	440	440	SINGLE	AIR-SPL FUL-FACE	
			07/16/76	345	NIGHT	STEL	14.900	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			07/22/76	364	EVENG	STEL	27.900	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			07/23/76	367	DAY	TWA	0.130	PPM	405	405	SINGLE		
			07/30/76	377	DAY	STEL	8.000	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			07/30/76	378	DAY	TWA	1.730	PPM	440	440	SINGLE	AIR-SPL FUL-FACE	
			07/30/76	379	NIGHT	TWA	1.310	PPM	390	390	SINGLE	AIR-SPL FUL-FACE	
			08/02/76	382	EVENG	STEL	0.550	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			08/03/76	384	NIGHT	TWA	0.600	PPM	450	450	SINGLE		
			08/14/76	421	DAY	STEL	0.140	PPM	1		SINGLE		
			08/14/76	422	EVENG	STEL	18.900	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			08/14/76	423	EVENG	TWA	25.930	PPM	435	435	SINGLE	AIR-SPL FUL-FACE	
			08/17/76	428	NIGHT	STEL	0.100	PPM	1		SINGLE	AIR-SPL FUL-FACE	
			08/17/76	429	DAY	TWA	0.720	PPM	440	440	SINGLE	AIR-SPL FUL-FACE	

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VCM PRODUCTION UNIT

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: OPER SHIFT SUPERVSR													
NORMAL	PERSONAL	VCM	08/24/76	438	EVENG	TWA	0.090	PPM	450	450	SINGLE		
			08/26/76	441	DAY	TWA	< 0.010	PPM	470	470	SINGLE		
			08/27/76	446	EVENG	TWA	3.440	PPM	379	379	SINGLE		
			08/27/76	447	EVENG	STEL	4.000	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			08/28/76	450	DAY	STEL	16.900	PPM	1		SINGLE		
			09/01/76	451	EVENG	STEL	4.560	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			09/01/76	452	EVENG	TWA	1.450	PPM	410	410	SINGLE	AIR-SPL	FUL-FACE
			09/02/76	453	NIGHT	TWA	1.320	PPM	350	350	SINGLE	AIR-SPL	FUL-FACE
			09/02/76	454	NIGHT	STEL	0.980	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			09/07/76	457	DAY	TWA	0.840	PPM	385	385	SINGLE		
			09/16/76	474	DAY	TWA	0.270	PPM	490	490	SINGLE	AIR-SPL	FUL-FACE
			09/17/76	480	DAY	TWA	6.870	PPM	440	440	SINGLE	AIR-SPL	FUL-FACE
			09/21/76	485	EVENG	TWA	0.010	PPM	415	415	SINGLE		
			09/21/76	487	DAY	TWA	0.230	PPM	440	440	SINGLE		
			09/22/76	491	EVENG	STEL	0.700	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			09/25/76	499	DAY	STEL	4.800	PPM	1		SINGLE		
			09/25/76	500	NIGHT	TWA	< 0.010	PPM	433	433	SINGLE	AIR-SPL	FUL-FACE
			10/02/76	502	DAY	STEL	14.200	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			10/02/76	503	DAY	TWA	4.050	PPM	432	432	SINGLE	AIR-SPL	FUL-FACE
			10/02/76	504	EVENG	STEL	4.510	PPM	1		SINGLE		
			10/07/76	510	NIGHT	TWA	117.000	PPM	60	60	SINGLE	AIR-SPL	FUL-FACE
			10/07/76	511	NIGHT	TWA	0.650	PPM	450	450	SINGLE	AIR-SPL	FUL-FACE
			10/07/76	512	DAY	TWA	0.350	PPM	450	450	SINGLE	AIR-SPL	FUL-FACE
			10/11/76	517	DAY	TWA	1.420	PPM	490	490	SINGLE	AIR-SPL	FUL-FACE
			10/12/76	519	NIGHT	STEL	47.960	PPM	1		SINGLE		
			10/24/76	636	DAY	STEL	0.430	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			10/24/76	637	DAY	TWA	0.890	PPM	435	435	SINGLE	AIR-SPL	FUL-FACE
			10/24/76	638	NIGHT	TWA	< 0.010	PPM	390	390	SINGLE		
			10/25/76	647	NIGHT	STEL	1.340	PPM	1		SINGLE		
			10/27/76	652	EVENG	TWA	< 0.010	PPM	438	438	SINGLE		
			10/29/76	654	DAY	TWA	0.680	PPM	120	120	SINGLE	AIR-SPL	FUL-FACE
			10/29/76	656	EVENG	STEL	10.200	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			10/30/76	657	DAY	STEL	2.240	PPM	1		SINGLE		
			10/30/76	658	EVENG	STEL	8.030	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			10/31/76	659	EVENG	STEL	7.320	PPM	1		SINGLE		
			11/12/76	675	NIGHT	TWA	2.140	PPM	130	130	SINGLE	AIR-SPL	FUL-FACE
			11/12/76	676	NIGHT	STEL	1.000	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			11/13/76	677	NIGHT	TWA	0.290	PPM	105	105	SINGLE		
			11/13/76	678	EVENG	STEL	0.060	PPM	1		SINGLE	AIR-SPL	FUL-FACE

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VCM PRODUCTION UNIT

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: OPER SHIFT SUPERVSR

NORMAL	PERSONAL	VCM											
			11/14/76	679	DAY	STEL	0.730	PPM	1		SINGLE		
			11/16/76	680	DAY	TWA	0.100	PPM	435	435	SINGLE		
			11/18/76	685	EVENG	STEL	62.300	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			11/18/76	686	EVENG	TWA	7.360	PPM	430	430	SINGLE	AIR-SPL	FUL-FACE
			11/18/76	687	DAY	TWA	0.080	PPM	423	423	SINGLE		
			11/19/76	689	NIGHT	STEL	38.700	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			11/19/76	690	NIGHT	TWA	10.110	PPM	390	390	SINGLE	AIR-SPL	FUL-FACE
			11/24/76	698	NIGHT	TWA	1.290	PPM	468	468	SINGLE		
			11/27/76	701	NIGHT	TWA	< 0.010	PPM	435	435	SINGLE		
			11/27/76	702	DAY	TWA	18.430	PPM	420	420	SINGLE	AIR-SPL	FUL-FACE
			11/27/76	703	DAY	STEL	12.000	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			11/28/76	704	NIGHT	STEL	5.300	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			11/28/76	705	DAY	TWA	1.000	PPM	410	410	SINGLE	AIR-SPL	FUL-FACE
			11/28/76	706	DAY	STEL	1.000	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			11/29/76	707	NIGHT	TWA	< 0.010	PPM	408	408	SINGLE		
			11/29/76	708	EVENG	STEL	4.080	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			11/29/76	709	EVENG	TWA	0.390	PPM	240	240	SINGLE	AIR-SPL	FUL-FACE
			12/11/76	720	DAY	TWA	< 0.010	PPM	435	435	SINGLE		
			12/11/76	721	DAY	STEL	1.910	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			12/12/76	722	NIGHT	TWA	0.870	PPM	420	420	SINGLE		
			12/12/76	723	NIGHT	STEL	0.110	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			12/14/76	727	EVENG	STEL	0.760	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			12/14/76	728	EVENG	TWA	0.330	PPM	425	425	SINGLE	AIR-SPL	FUL-FACE
			12/15/76	729	DAY	TWA	< 0.010	PPM	240	240	SINGLE		
			12/15/76	731	EVENG	TWA	3.540	PPM	105	105	SINGLE		
			12/26/76	744	DAY	TWA	11.350	PPM	410	410	SINGLE	AIR-SPL	FUL-FACE
			12/26/76	745	DAY	STEL	0.510	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			12/27/76	746	NIGHT	TWA	74.600	PPM	360	360	SINGLE	AIR-SPL	FUL-FACE
			12/27/76	747	NIGHT	STEL	26.100	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			12/27/76	748	DAY	TWA	< 0.010	PPM	405	405	SINGLE		
			12/28/76	753	DAY	TWA	11.530	PPM	403	403	SINGLE	AIR-SPL	FUL-FACE
			12/28/76	754	DAY	STEL	59.000	PPM	1		SINGLE	AIR-SPL	FUL-FACE
			12/29/76	756	NIGHT	TWA	< 0.010	PPM	425	425	SINGLE		

TASK: OUT, APPRENTICE OPER

NORMAL	PERSONAL	EDC											
			01/08/76	005	EVENG	TWA	< 0.100	PPM	445	445	SINGLE		
			02/11/76	051	NIGHT	TWA	< 0.010	PPM	420	420	SINGLE		
			02/26/76	117	NIGHT	TWA	2.550	PPM	465	465	SINGLE		

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VCM PRODUCTION UNIT

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: OUT, APPRENTICE OPER													
NORMAL	PERSONAL	EDC	03/16/76	147	NIGHT	TWA	<	0.010	PPM	410	410	SINGLE	
			04/06/76	175	NIGHT	TWA	<	9.980	PPM	425	425	SINGLE	AIR-SPL FUL-FACE
			04/14/76	187	NIGHT	TWA	<	0.010	PPM	410	410	SINGLE	AIR-SPL FUL-FACE
			04/20/76	201	NIGHT	TWA	<	0.010	PPM	435	435	SINGLE	
			04/20/76	265	NIGHT	TWA	<	2.530	PPM	375	375	SINGLE	
			04/27/76	205	NIGHT	TWA	<	0.010	PPM	420	420	SINGLE	AIR-SPL FUL-FACE
			05/10/76	230	NIGHT	TWA	<	1.310	PPM	420	420	SINGLE	AIR-SPL FUL-FACE
			05/11/76	235	NIGHT	TWA	<	0.730	PPM	380	380	SINGLE	AIR-SPL FUL-FACE
			05/18/76	259	NIGHT	TWA	<	0.010	PPM	410	410	SINGLE	AIR-SPL FUL-FACE
			05/20/76	263	NIGHT	TWA	<	2.650	PPM	445	445	SINGLE	AIR-SPL FUL-FACE
			05/20/76	264	NIGHT	TWA	<	2.270	PPM	432	432	SINGLE	AIR-SPL FUL-FACE
			06/09/76	284	NIGHT	TWA	<	0.010	PPM	375	375	SINGLE	AIR-SPL FUL-FACE
			06/10/76	287	NIGHT	TWA	<	5.860	PPM	435	435	SINGLE	AIR-SPL FUL-FACE
			06/14/76	290	NIGHT	TWA	<	0.010	PPM	450	450	SINGLE	AIR-SPL FUL-FACE
			06/15/76	295	NIGHT	TWA	<	10.970	PPM	455	455	SINGLE	
			06/16/76	297	NIGHT	STEL	<	85.100	PPM	1		SINGLE	
			06/16/76	298	NIGHT	STEL	<	99.990	PPM	1		SINGLE	
			06/16/76	299	NIGHT	STEL	<	99.990	PPM	1		SINGLE	
			06/17/76	301	NIGHT	TWA	<	0.010	PPM	445	445	SINGLE	AIR-SPL FUL-FACE
			06/22/76	307	NIGHT	TWA	<	0.010	PPM	420	420	SINGLE	
			06/30/76	315	NIGHT	TWA	<	0.010	PPM	475	475	SINGLE	AIR-SPL FUL-FACE
			07/06/76	323	NIGHT	TWA	<	0.030	PPM	410	410	SINGLE	
			07/13/76	335	NIGHT	TWA	<	2.610	PPM	420	420	SINGLE	AIR-SPL FUL-FACE
			07/14/76	340	NIGHT	STEL	<	55.210	PPM	1		SINGLE	
			07/14/76	342	NIGHT	STEL	<	29.980	PPM	1		SINGLE	
			07/21/76	358	NIGHT	TWA	<	0.980	PPM	415	415	SINGLE	
			07/21/76	359	NIGHT	STEL	<	0.010	PPM	1		SINGLE	
			07/21/76	360	NIGHT	STEL	<	0.010	PPM	1		SINGLE	
			07/23/76	368	EVENG	TWA	<	0.010	PPM	430	430	SINGLE	AIR-SPL FUL-FACE
			07/26/76	369	NIGHT	TWA	<	0.010	PPM	470	470	SINGLE	AIR-SPL FUL-FACE
			07/28/76	374	NIGHT	TWA	<	0.010	PPM	460	460	SINGLE	
			08/05/76	388	NIGHT	TWA	<	0.140	PPM	555	555	SINGLE	
			08/05/76	389	NIGHT	TWA	<	0.480	PPM	390	390	SINGLE	AIR-SPL FUL-FACE
			08/09/76	404	NIGHT	TWA	<	0.010	PPM	425	425	SINGLE	AIR-SPL FUL-FACE
			08/16/76	427	NIGHT	TWA	<	2.190	PPM	390	390	SINGLE	
			08/19/76	431	NIGHT	TWA	<	0.470	PPM	435	435	SINGLE	AIR-SPL FUL-FACE
			08/27/76	449	NIGHT	TWA	<	0.340	PPM	475	475	SINGLE	AIR-SPL FUL-FACE
			09/07/76	456	NIGHT	TWA	<	1.210	PPM	448	448	SINGLE	
			09/16/76	477	NIGHT	TWA	<	0.170	PPM	420	420	SINGLE	AIR-SPL FUL-FACE

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VCM PRODUCTION UNIT

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	CONTAMINANT	SAMPLE DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
TASK: OUT, APPRENTICE OPER													
NORMAL	PERSONAL	EDC	09/21/76	488	NIGHT	TWA	< 0.010	PPM	492	492	SINGLE		
			09/22/76	489	NIGHT	TWA	0.840	PPM	480	480	SINGLE	AIR-SPL	FUL-FACE
			09/22/76	490	DAY	TWA	1.150	PPM	425	425	SINGLE		
			09/27/76	501	NIGHT	TWA	0.100	PPM	445	445	SINGLE		
			10/11/76	516	NIGHT	TWA	< 0.010	PPM	395	395	SINGLE	AIR-SPL	FUL-FACE
			10/14/76	521	EVENG	TWA	< 0.010	PPM	240	240	SINGLE		
			10/14/76	523	NIGHT	TWA	< 0.010	PPM	440	440	SINGLE	AIR-SPL	FUL-FACE
			10/14/76	526	NIGHT	TWA	< 0.010	PPM	445	445	SINGLE	AIR-SPL	FUL-FACE
			10/25/76	646	NIGHT	TWA	< 0.010	PPM	426	426	SINGLE		
			10/29/76	655	NIGHT	TWA	< 0.010	PPM	470	470	SINGLE		
			11/05/76	665	NIGHT	TWA	< 0.010	PPM	435	435	SINGLE	AIR-SPL	FUL-FACE
			11/10/76	671	NIGHT	TWA	< 0.010	PPM	415	415	SINGLE	AIR-SPL	FUL-FACE
			11/25/76	700	NIGHT	TWA	0.060	PPM	420	420	SINGLE		
			12/13/76	726	NIGHT	TWA	< 0.010	PPM	472	472	SINGLE		
			12/21/76	738	EVENG	TWA	< 0.010	PPM	425	425	SINGLE		
			12/21/76	740	NIGHT	TWA	< 0.010	PPM	415	415	SINGLE	AIR-SPL	FUL-FACE
			12/23/76	742	NIGHT	TWA	< 0.010	PPM	400	400	SINGLE	AIR-SPL	FUL-FACE
			12/23/76	743	EVENG	TWA	7.730	PPM	420	420	SINGLE	AIR-SPL	FUL-FACE
			12/29/76	755	NIGHT	TWA	5.380	PPM	425	425	SINGLE	AIR-SPL	FUL-FACE
			12/31/76	757	NIGHT	TWA	0.860	PPM	415	415	SINGLE		
NORMAL	PERSONAL	VCM	01/08/76	005	EVENG	TWA	0.660	PPM	445	445	SINGLE		
			02/11/76	051	NIGHT	TWA	< 0.010	PPM	420	420	SINGLE		
			02/26/76	117	NIGHT	TWA	10.430	PPM	465	465	SINGLE		
			03/16/76	147	NIGHT	TWA	0.190	PPM	410	410	SINGLE		
			04/06/76	175	NIGHT	TWA	11.430	PPM	425	425	SINGLE	AIR-SPL	FUL-FACE
			04/14/76	187	NIGHT	TWA	9.140	PPM	410	410	SINGLE	AIR-SPL	FUL-FACE
			04/20/76	201	NIGHT	TWA	< 0.010	PPM	435	435	SINGLE		
			04/20/76	265	NIGHT	TWA	< 0.010	PPM	375	375	SINGLE		
			04/27/76	205	NIGHT	TWA	60.320	PPM	420	420	SINGLE	AIR-SPL	FUL-FACE
			05/10/76	230	NIGHT	TWA	35.430	PPM	420	420	SINGLE	AIR-SPL	FUL-FACE
			05/11/76	235	NIGHT	TWA	0.090	PPM	380	380	SINGLE	AIR-SPL	FUL-FACE
			05/18/76	259	NIGHT	TWA	48.230	PPM	410	410	SINGLE	AIR-SPL	FUL-FACE
			05/20/76	263	NIGHT	TWA	6.840	PPM	445	445	SINGLE	AIR-SPL	FUL-FACE
			05/20/76	264	NIGHT	TWA	21.420	PPM	432	432	SINGLE	AIR-SPL	FUL-FACE
			06/09/76	284	NIGHT	TWA	2.350	PPM	375	375	SINGLE	AIR-SPL	FUL-FACE
			06/10/76	287	NIGHT	TWA	6.790	PPM	435	435	SINGLE	AIR-SPL	FUL-FACE
			06/14/76	290	NIGHT	TWA	16.500	PPM	450	450	SINGLE	AIR-SPL	FUL-FACE
			06/15/76	295	NIGHT	TWA	0.940	PPM	455	455	SINGLE		
			06/16/76	297	NIGHT	STEL	< 0.010	PPM	1		SINGLE		

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DATE 03/13/84
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VCN PRODUCTION UNIT

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: OUT, APPRENTICE OPER

NORMAL	PERSONAL	VCN	SAMPLE DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLAG
			06/16/76	298	NIGHT	STEL	2.870	PPM	1		SINGLE		
			06/16/76	299	NIGHT	STEL <	0.010	PPM	1		SINGLE		
			06/17/76	301	NIGHT	TWA	1.040	PPM	445	445	SINGLE	AIR-SPL FUL-FACE	
			06/22/76	307	NIGHT	TWA	0.280	PPM	420	420	SINGLE		
			06/30/76	315	NIGHT	TWA	0.160	PPM	475	475	SINGLE	AIR-SPL FUL-FACE	
			07/06/76	323	NIGHT	TWA <	0.010	PPM	410	410	SINGLE		
			07/13/76	335	NIGHT	TWA	8.570	PPM	420	420	SINGLE	AIR-SPL FUL-FACE	
			07/14/76	340	NIGHT	STEL <	0.010	PPM	1		SINGLE		
			07/14/76	342	NIGHT	STEL <	0.010	PPM	1		SINGLE		
			07/21/76	358	NIGHT	TWA	0.290	PPM	415	415	SINGLE		
			07/21/76	359	NIGHT	STEL <	0.010	PPM	1		SINGLE		
			07/21/76	360	NIGHT	STEL <	0.010	PPM	1		SINGLE		
			07/23/76	368	EVENG	TWA	9.980	PPM	430	430	SINGLE	AIR-SPL FUL-FACE	
			07/26/76	369	NIGHT	TWA	4.970	PPM	470	470	SINGLE	AIR-SPL FUL-FACE	
			07/28/76	374	NIGHT	TWA	11.910	PPM	460	460	SINGLE		
			08/05/76	388	NIGHT	TWA	0.110	PPM	555	555	SINGLE		
			08/05/76	389	NIGHT	TWA	0.100	PPM	390	390	SINGLE	AIR-SPL FUL-FACE	
			08/09/76	404	NIGHT	TWA	13.780	PPM	425	425	SINGLE	AIR-SPL FUL-FACE	
			08/16/76	427	NIGHT	TWA	13.220	PPM	390	390	SINGLE		
			08/19/76	431	NIGHT	TWA	2.590	PPM	435	435	SINGLE	AIR-SPL FUL-FACE	
			08/27/76	449	NIGHT	TWA	2.600	PPM	475	475	SINGLE	AIR-SPL FUL-FACE	
			09/07/76	456	NIGHT	TWA	27.740	PPM	448	448	SINGLE		
			09/16/76	477	NIGHT	TWA	19.890	PPM	420	420	SINGLE	AIR-SPL FUL-FACE	
			09/21/76	488	NIGHT	TWA	0.030	PPM	492	492	SINGLE		
			09/22/76	489	NIGHT	TWA	4.120	PPM	480	480	SINGLE	AIR-SPL FUL-FACE	
			09/22/76	490	DAY	TWA	0.310	PPM	425	425	SINGLE		
			09/27/76	501	NIGHT	TWA	1.780	PPM	445	445	SINGLE		
			10/11/76	516	NIGHT	TWA	1.900	PPM	395	395	SINGLE	AIR-SPL FUL-FACE	
			10/14/76	521	EVENG	TWA	0.440	PPM	240	240	SINGLE		
			10/14/76	523	NIGHT	TWA	29.490	PPM	440	440	SINGLE	AIR-SPL FUL-FACE	
			10/14/76	526	NIGHT	TWA	101.000	PPM	445	445	SINGLE	AIR-SPL FUL-FACE	
			10/21/76	617	NIGHT	TWA	2.330	PPM	470	470	SINGLE	AIR-SPL FUL-FACE	
			10/25/76	646	NIGHT	TWA <	0.010	PPM	426	426	SINGLE		
			10/29/76	655	NIGHT	TWA <	0.010	PPM	470	470	SINGLE		
			11/05/76	665	NIGHT	TWA	0.090	PPM	435	435	SINGLE	AIR-SPL FUL-FACE	
			11/10/76	671	NIGHT	TWA	2.740	PPM	415	415	SINGLE	AIR-SPL FUL-FACE	
			11/18/76	688	NIGHT	TWA	0.720	PPM	472	472	SINGLE	AIR-SPL FUL-FACE	
			11/25/76	700	NIGHT	TWA	0.130	PPM	420	420	SINGLE		
			12/13/76	726	NIGHT	TWA	0.130	PPM	472	472	SINGLE		

CCR 00001313

REPORT NO. 25-7380
SOURCE NR738
JOB NO. RUNKBN76

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO. 36
DATE 03/13/84
TIME 14.31.48

VCM PRODUCTION UNIT

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: OUT, APPRENTICE OPER

NORMAL	PERSONAL	VCM	12/21/76	738	EVENG	TWA	0.350	PPM	425	425	SINGLE		
			12/21/76	740	NIGHT	TWA	0.410	PPM	415	415	SINGLE	AIR-SPL	FUL-FACE
			12/23/76	742	NIGHT	TWA	< 0.010	PPM	400	400	SINGLE	AIR-SPL	FUL-FACE
			12/23/76	743	EVENG	TWA	8.770	PPM	420	420	SINGLE	AIR-SPL	FUL-FACE
			12/29/76	755	NIGHT	TWA	7.320	PPM	425	425	SINGLE	AIR-SPL	FUL-FACE
			12/31/76	757	NIGHT	TWA	1.230	PPM	415	415	SINGLE		

TASK: OUT, TOP OPER

NORMAL	PERSONAL	EDC	01/12/76	010	NIGHT	TWA	2.920	PPM	430	430	SINGLE		
			01/14/76	011	EVENG	TWA	0.300	PPM	410	410	SINGLE		
			01/16/76	014	DAY	TWA	2.390	PPM	457	457	SINGLE		
			02/04/76	040	DAY	TWA	< 0.010	PPM	450	450	SINGLE		
			02/05/76	044	NIGHT	TWA	< 0.010	PPM	420	420	SINGLE		
			02/12/76	053	DAY	TWA	5.950	PPM	405	405	SINGLE		
			02/14/76	066	NIGHT	TWA	3.190	PPM	465	465	SINGLE		
			02/15/76	067	DAY	TWA	5.820	PPM	434	434	SINGLE		
			02/15/76	070	EVENG	TWA	11.230	PPM	440	440	SINGLE		
			04/28/76	210	NIGHT	TWA	< 0.010	PPM	394	394	SINGLE		
			05/03/76	215	NIGHT	TWA	3.670	PPM	440	440	SINGLE		
			05/19/76	262	EVENG	TWA	< 0.010	PPM	450	450	SINGLE		
			07/19/76	348	NIGHT	TWA	< 0.010	PPM	480	480	SINGLE		
			07/19/76	350	EVENG	TWA	3.350	PPM	380	380	SINGLE		
			07/27/76	371	EVENG	TWA	0.460	PPM	450	450	SINGLE		
			08/03/76	385	NIGHT	TWA	0.360	PPM	480	480	SINGLE		
			08/06/76	397	EVENG	TWA	2.760	PPM	465	465	SINGLE		
			09/08/76	462	NIGHT	TWA	0.760	PPM	440	440	SINGLE		
			09/24/76	496	DAY	TWA	0.520	PPM	435	435	SINGLE	AIR-SPL	FUL-FACE
			10/21/76	619	EVENG	TWA	< 0.010	PPM	390	390	SINGLE		
			10/29/76	653	DAY	TWA	< 0.010	PPM	444	444	SINGLE	AIR-SPL	FUL-FACE
			12/09/76	716	EVENG	TWA	< 0.010	PPM	645	645	SINGLE		
			12/27/76	749	EVENG	TWA	4.040	PPM	457	457	SINGLE	AIR-SPL	FUL-FACE
			NORMAL	PERSONAL	VCM	01/12/76	010	NIGHT	TWA	0.130	PPM	430	430
01/14/76	011	EVENG				TWA	0.690	PPM	410	410	SINGLE		
01/16/76	014	DAY				TWA	< 0.010	PPM	457	457	SINGLE		
02/04/76	040	DAY				TWA	0.130	PPM	450	450	SINGLE		
02/05/76	044	NIGHT				TWA	< 0.010	PPM	420	420	SINGLE		
02/12/76	053	DAY				TWA	5.480	PPM	405	405	SINGLE		
02/14/76	066	NIGHT				TWA	< 0.010	PPM	465	465	SINGLE		

REPORT NO. 25-7380
SOURCE NR738
JOB NO. RUNKBN76

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO. 37
DATE 03/13/84
TIME 14.31.48

VCM PRODUCTION UNIT

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: OUT, TOP OPER

NORMAL	PERSONAL	VCM	02/15/76	067	DAY	TWA	<	0.010	PPM	434	434	SINGLE	
			02/15/76	070	EVENG	TWA		0.180	PPM	440	440	SINGLE	
			04/28/76	210	NIGHT	TWA	<	0.010	PPM	394	394	SINGLE	
			05/03/76	215	NIGHT	TWA		0.070	PPM	440	440	SINGLE	
			05/19/76	262	EVENG	TWA	<	0.010	PPM	450	450	SINGLE	
			07/19/76	348	NIGHT	TWA		0.030	PPM	480	480	SINGLE	
			07/19/76	350	EVENG	TWA		0.060	PPM	380	380	SINGLE	
			07/27/76	371	EVENG	TWA		0.340	PPM	450	450	SINGLE	
			08/03/76	385	NIGHT	TWA		0.030	PPM	480	480	SINGLE	
			08/06/76	397	EVENG	TWA	<	0.010	PPM	465	465	SINGLE	
			09/08/76	462	NIGHT	TWA		0.260	PPM	440	440	SINGLE	
			09/21/76	486	EVENG	STEL		0.310	PPM	1		SINGLE	AIR-SPL FUL-FACE
			09/24/76	496	DAY	TWA		33.570	PPM	435	435	SINGLE	AIR-SPL FUL-FACE
			10/21/76	619	EVENG	TWA		0.490	PPM	390	390	SINGLE	
			10/29/76	653	DAY	TWA	<	0.010	PPM	444	444	SINGLE	AIR-SPL FUL-FACE
			11/18/76	684	NIGHT	TWA		0.030	PPM	465	465	SINGLE	
			12/09/76	716	EVENG	TWA	<	0.010	PPM	645	645	SINGLE	
			12/27/76	749	EVENG	TWA		7.350	PPM	457	457	SINGLE	AIR-SPL FUL-FACE

TASK: OUT, 2ND OPR/CNTRL MN

NORMAL	PERSONAL	EDC	01/26/76	028	EVENG	TWA	<	0.010	PPM	410	410	SINGLE	
			02/03/76	038	DAY	TWA	<	0.010	PPM	420	420	SINGLE	
			02/13/76	056	EVENG	TWA		4.070	PPM	420	420	SINGLE	
			02/13/76	058	EVENG	TWA		7.610	PPM	400	400	SINGLE	
			02/14/76	060	EVENG	TWA		1.590	PPM	450	450	SINGLE	
			02/14/76	062	NIGHT	TWA		7.140	PPM	465	465	SINGLE	
			02/14/76	063	NIGHT	TWA		1.190	PPM	455	455	SINGLE	AIR-SPL FUL-FACE
			02/14/76	064	DAY	TWA		3.630	PPM	440	440	SINGLE	
			02/14/76	065	EVENG	TWA		17.250	PPM	440	440	SINGLE	
			02/15/76	069	EVENG	TWA		1.680	PPM	440	440	SINGLE	
			02/15/76	072	NIGHT	TWA		4.370	PPM	475	475	SINGLE	
			02/15/76	074	DAY	TWA		5.110	PPM	439	439	SINGLE	
			02/15/76	076	NIGHT	TWA		30.870	PPM	475	475	SINGLE	AIR-SPL FUL-FACE
			02/15/76	078	EVENG	TWA		12.620	PPM	440	440	SINGLE	
			02/16/76	087	NIGHT	TWA		3.110	PPM	480	480	SINGLE	
			02/16/76	088	NIGHT	TWA		14.820	PPM	460	460	SINGLE	
			02/26/76	118	NIGHT	TWA		3.160	PPM	431	431	SINGLE	
			03/04/76	134	EVENG	TWA		1.900	PPM	441	441	SINGLE	

REPORT NO. 25-7380
SOURCE NR738
JOB NO. RUNKBN76

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO. 38
DATE 03/13/84
TIME 14.31.48

VCM PRODUCTION UNIT

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: OUT, 2ND OPR/CNTRLMN													
NORMAL	PERSONAL	EDC	03/18/76	153	DAY	TWA	6.340	PPM	480	480	SINGLE		
			04/06/76	177	NIGHT	TWA	3.490	PPM	435	435	SINGLE		
			04/14/76	188	NIGHT	TWA	< 0.010	PPM	410	410	SINGLE		
			04/22/76	204	NIGHT	TWA	1.850	PPM	424	424	SINGLE		
			04/30/76	214	DAY	TWA	< 0.010	PPM	400	400	SINGLE	AIR-SPL FUL-FACE	
			05/05/76	218	NIGHT	TWA	1.680	PPM	425	425	SINGLE		
			05/13/76	244	DAY	TWA	0.330	PPM	430	430	SINGLE		
			05/21/76	267	NIGHT	TWA	3.600	PPM	420	420	SINGLE		
			05/21/76	268	EVENG	TWA	4.160	PPM	450	450	SINGLE		
			06/08/76	283	DAY	TWA	< 0.010	PPM	470	470	SINGLE		
			06/15/76	293	DAY	TWA	7.300	PPM	455	455	SINGLE		
			06/16/76	300	NIGHT	TWA	< 0.010	PPM	420	420	SINGLE		
			07/08/76	331	EVENG	TWA	0.390	PPM	879	879	SINGLE		
			07/19/76	347	EVENG	TWA	2.110	PPM	435	435	SINGLE		
			07/21/76	361	EVENG	TWA	< 0.010	PPM	380	380	SINGLE		
			08/06/76	390	DAY	STEL	< 0.010	PPM	1		SINGLE		
			08/06/76	394	DAY	STEL	< 0.010	PPM	1		SINGLE		
			08/06/76	395	DAY	STEL	1.640	PPM	1		SINGLE		
			08/06/76	396	EVENG	STEL	< 0.010	PPM	1		SINGLE		
			08/06/76	398	EVENG	STEL	36.920	PPM	1		SINGLE		
			08/09/76	401	DAY	STEL	< 0.010	PPM	1		SINGLE		
			08/09/76	403	EVENG	STEL	2.000	PPM	1		SINGLE		
			08/10/76	409	DAY	TWA	1.510	PPM	420	420	SINGLE		
			08/11/76	414	EVENG	TWA	0.300	PPM	398	398	SINGLE		
			08/11/76	415	DAY	STEL	< 0.010	PPM	1		SINGLE		
			08/11/76	416	DAY	STEL	< 0.010	PPM	1		SINGLE		
			08/24/76	439	NIGHT	TWA	1.540	PPM	400	400	SINGLE		
			09/08/76	460	EVENG	TWA	5.320	PPM	420	420	SINGLE		
			09/09/76	463	DAY	TWA	0.600	PPM	418	418	SINGLE		
			09/16/76	476	NIGHT	TWA	4.180	PPM	440	440	SINGLE		
			09/24/76	498	DAY	TWA	< 0.010	PPM	430	430	SINGLE	AIR-SPL FUL-FACE	
			10/06/76	508	EVENG	TWA	2.350	PPM	420	420	SINGLE	AIR-SPL FUL-FACE	
			10/08/76	515	DAY	TWA	0.280	PPM	435	435	SINGLE		
			10/14/76	524	EVENG	TWA	28.020	PPM	390	390	SINGLE		
			10/17/76	529	EVENG	TWA	12.020	PPM	182	182	SINGLE		
			10/17/76	531	EVENG	TWA	12.420	PPM	238	238	SINGLE	AIR-SPL FUL-FACE	
			11/04/76	662	NIGHT	TWA	< 0.010	PPM	420	420	SINGLE		
			11/08/76	667	DAY	TWA	< 0.010	PPM	360	360	SINGLE		
			11/23/76	696	EVENG	TWA	1.780	PPM	450	450	SINGLE		

CCR 000013

REPORT NO. 25-7380
SOURCE NR738
JOB NO. RUNKBN76

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO. 39
DATE 03/13/84
TIME 14.31.48

VCM PRODUCTION UNIT

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: OUT, 2ND OPR/CNTRLMN													
NORMAL	PERSONAL	EDC	12/10/76	718	EVENG	TWA	2.270	PPM	480	480	SINGLE		
			12/21/76	739	DAY	TWA	3.680	PPM	480	480	SINGLE		
NORMAL	PERSONAL	VCM	01/26/76	028	EVENG	TWA	< 0.010	PPM	410	410	SINGLE		
			02/03/76	038	DAY	TWA	0.730	PPM	420	420	SINGLE		
			02/13/76	056	EVENG	TWA	< 0.010	PPM	420	420	SINGLE		
			02/13/76	058	EVENG	TWA	0.040	PPM	400	400	SINGLE		
			02/14/76	060	EVENG	TWA	< 0.010	PPM	450	450	SINGLE		
			02/14/76	062	NIGHT	TWA	< 0.010	PPM	465	465	SINGLE		
			02/14/76	063	NIGHT	TWA	3.460	PPM	455	455	SINGLE	AIR-SPL FUL-FACE	
			02/14/76	064	DAY	TWA	0.620	PPM	440	440	SINGLE		
			02/14/76	065	EVENG	TWA	12.300	PPM	440	440	SINGLE		
			02/15/76	069	EVENG	TWA	< 0.010	PPM	440	440	SINGLE		
			02/15/76	072	NIGHT	TWA	< 0.010	PPM	475	475	SINGLE		
			02/15/76	074	DAY	TWA	< 0.010	PPM	439	439	SINGLE		
			02/15/76	076	NIGHT	TWA	23.650	PPM	475	475	SINGLE	AIR-SPL FUL-FACE	
			02/15/76	078	EVENG	TWA	0.390	PPM	440	440	SINGLE		
			02/16/76	087	NIGHT	TWA	< 0.010	PPM	480	480	SINGLE		
			02/16/76	088	NIGHT	TWA	1.230	PPM	460	460	SINGLE		
			02/26/76	118	NIGHT	TWA	0.180	PPM	431	431	SINGLE		
			03/04/76	134	EVENG	TWA	< 0.010	PPM	441	441	SINGLE		
			03/18/76	153	DAY	TWA	0.470	PPM	480	480	SINGLE		
			04/06/76	177	NIGHT	TWA	< 0.010	PPM	435	435	SINGLE		
			04/14/76	188	NIGHT	TWA	< 0.010	PPM	410	410	SINGLE		
			04/22/76	204	NIGHT	TWA	22.250	PPM	424	424	SINGLE		
			04/30/76	214	DAY	TWA	4.580	PPM	400	400	SINGLE	AIR-SPL FUL-FACE	
			05/05/76	218	NIGHT	TWA	0.110	PPM	425	425	SINGLE		
			05/13/76	244	DAY	TWA	0.300	PPM	430	430	SINGLE		
			05/21/76	267	NIGHT	TWA	0.160	PPM	420	420	SINGLE		
			05/21/76	268	EVENG	TWA	0.100	PPM	450	450	SINGLE		
			06/08/76	283	DAY	TWA	0.130	PPM	470	470	SINGLE		
			06/15/76	293	DAY	TWA	0.110	PPM	455	455	SINGLE		
			06/16/76	300	NIGHT	TWA	< 0.010	PPM	420	420	SINGLE		
			07/08/76	331	EVENG	TWA	1.120	PPM	879	879	SINGLE		
			07/19/76	347	EVENG	TWA	0.070	PPM	435	435	SINGLE		
			07/21/76	361	EVENG	TWA	0.010	PPM	380	380	SINGLE		
			08/06/76	390	DAY	STEL	0.870	PPM	1		SINGLE		
			08/06/76	394	DAY	STEL	0.240	PPM	1		SINGLE		
			08/06/76	395	DAY	STEL	< 0.010	PPM	1		SINGLE		
			08/06/76	396	EVENG	STEL	< 0.010	PPM	1		SINGLE		

CCR 00001314

REPORT NO. 25-7380
SOURCE NR738
JOB NO. RUNKBN76

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO. 40
DATE 03/13/84
TIME 14.31.48

VCM PRODUCTION UNIT

SITE: CHM LAKE CHAS VCM

SUB-SITE:

AREA/SECT:

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

TASK: OUT, 2ND OPR/CHTRLMN

NORMAL	PERSONAL	VCM	08/06/76	398	EVENG	STEL	1.250	PPM	1		SINGLE		
			08/09/76	401	DAY	STEL	0.010	PPM	1		SINGLE		
			08/09/76	403	EVENG	STEL	0.010	PPM	1		SINGLE		
			08/10/76	409	DAY	TWA	2.450	PPM	420	420	SINGLE		
			08/11/76	414	EVENG	TWA	< 0.010	PPM	398	398	SINGLE		
			08/11/76	415	DAY	STEL	< 0.010	PPM	1		SINGLE		
			08/11/76	416	DAY	STEL	1.640	PPM	1		SINGLE		
			08/24/76	439	NIGHT	TWA	< 0.010	PPM	400	400	SINGLE		
			09/08/76	460	EVENG	TWA	< 0.010	PPM	420	420	SINGLE		
			09/09/76	463	DAY	TWA	0.160	PPM	418	418	SINGLE		
			09/16/76	476	NIGHT	TWA	< 0.010	PPM	440	440	SINGLE		
			09/24/76	498	DAY	TWA	1.070	PPM	430	430	SINGLE	AIR-SPL FUL-FACE	
			10/06/76	508	EVENG	TWA	< 0.010	PPM	420	420	SINGLE	AIR-SPL FUL-FACE	
			10/08/76	515	DAY	TWA	< 0.010	PPM	435	435	SINGLE		
			10/14/76	524	EVENG	TWA	10.550	PPM	390	390	SINGLE		
			10/17/76	529	EVENG	TWA	1.920	PPM	182	182	SINGLE		
			10/17/76	531	EVENG	TWA	0.180	PPM	238	238	SINGLE	AIR-SPL FUL-FACE	
			11/04/76	662	NIGHT	TWA	< 0.010	PPM	420	420	SINGLE		
			11/08/76	667	DAY	TWA	< 0.010	PPM	360	360	SINGLE		
			11/23/76	696	EVENG	TWA	< 0.010	PPM	450	450	SINGLE		
			12/08/76	714	NIGHT	TWA	< 0.010	PPM	465	465	SINGLE		
			12/10/76	718	EVENG	TWA	< 0.010	PPM	480	480	SINGLE		
			12/21/76	739	DAY	TWA	0.180	PPM	480	480	SINGLE		