

REPORT NO. 25-7380
SOURCE NR738
JOB NO. RUNKBN77

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO.
DATE 03/13/77
TIME 15.07

OFFICE - NON-FIELD UNIT

SITE: CHM OKLAHOMA CITY

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	CONTAMINANT	SAMPLE DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FL
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TASK: ADMIN, CLERICAL

NORMAL	PERSONAL	VCM	03/29/77	028	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/19/77	058	DAY	TWA	0.100	PPM	480	480	SINGLE		
			09/23/77	104	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/17/77	135	DAY	TWA	0.100	PPM	480	480	SINGLE		

TASK: ADMIN, SUPERVISOR

NORMAL	PERSONAL	VCM	05/19/77	056	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/22/77	148	DAY	TWA	0.100	PPM	480	480	SINGLE		

VVC 000019115

REPORT NO. 25-7380
SOURCE NR738
JOB NO. RUNKBN77

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PLANT LABORATORY UNIT

PAGE NO.
DATE 03/13/77
TIME 15.07

SITE: CHM OKLAHOMA CITY

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	CONTAMINANT	SAMPLE DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLA
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TASK: LAB, SUPV/FOREMAN

NORMAL	PERSONAL	VCM	03/01/77	013	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/01/77	033	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/29/77	060	DAY	TWA	0.100	PPM	480	480	SINGLE		
			07/14/77	094	DAY	TWA	0.100	PPM	480	480	SINGLE		
			10/12/77	114	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/17/77	140	DAY	TWA	0.100	PPM	480	480	SINGLE		
			12/30/77	170	DAY	TWA	0.100	PPM	480	480	SINGLE		

TASK: LAB, TECHNICAL

NORMAL	PERSONAL	VCM	03/03/77	024	DAY	TWA	0.100	PPM	480	480	SINGLE		
			03/03/77	025	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/04/77	038	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/04/77	039	DAY	TWA	0.100	PPM	480	480	SINGLE		
			07/06/77	084	DAY	TWA	0.100	PPM	480	480	SINGLE		
			07/06/77	085	DAY	TWA	0.100	PPM	480	480	SINGLE		
			10/12/77	112	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/17/77	137	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/28/77	156	DAY	TWA	0.100	PPM	480	480	SINGLE		
			12/30/77	169	DAY	TWA	0.100	PPM	480	480	SINGLE		

VVC 000019116

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INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO.
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TIME 15.07

PLANT-WIDE UNIT

SITE: CHM OKLAHOMA CITY

SUB-SITE:

AREA/SECT:

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

TASK: ADMIN, MNGR/DIREC

NORMAL	PERSONAL	VCM	05/28/77	065	DAY	TWA	0.100	PPM	480	480	SINGLE		
			10/31/77	127	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/22/77	150	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/22/77	151	DAY	TWA	0.100	PPM	480	480	SINGLE		

VVC 000019117

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SOURCE NR738
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INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO.
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PLANT-WIDE, MAINTENANCE

SITE: CHM OKLAHOMA CITY

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	CONTAMINANT	SAMPLE DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLA
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TASK: MAINT SUPERVISOR

NORMAL	PERSONAL	VCM	02/17/77	007	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/01/77	032	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/06/77	044	DAY	TWA	0.100	PPM	480	480	SINGLE		
			06/30/77	079	DAY	TWA	0.100	PPM	480	480	SINGLE		
			09/27/77	107	DAY	TWA	0.100	PPM	480	480	SINGLE		
			10/12/77	113	DAY	TWA	0.100	PPM	480	480	SINGLE		
			10/31/77	130	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/17/77	139	DAY	TWA	0.100	PPM	480	480	SINGLE		

TASK: MECH GENERAL

NORMAL	PERSONAL	VCM	02/11/77	001	DAY	TWA	0.100	PPM	480	480	SINGLE		
			03/02/77	015	DAY	TWA	0.100	PPM	480	480	SINGLE		
			03/03/77	019	DAY	TWA	0.100	PPM	480	480	SINGLE		
			03/03/77	020	DAY	TWA	0.100	PPM	480	480	SINGLE		
			03/03/77	021	DAY	TWA	0.100	PPM	480	480	SINGLE		
			03/03/77	022	DAY	TWA	0.100	PPM	480	480	SINGLE		
			03/29/77	026	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/01/77	029	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/04/77	035	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/04/77	036	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/06/77	040	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/06/77	041	DAY	TWA	3.200	PPM	480	480	SINGLE		
			05/06/77	042	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/10/77	045	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/10/77	046	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/10/77	048	DAY	TWA	0.100	PPM	480	480	SINGLE		
			06/13/77	070	DAY	TWA	0.100	PPM	480	480	SINGLE		
			06/29/77	073	DAY	TWA	0.100	PPM	480	480	SINGLE		
			06/30/77	076	DAY	TWA	0.100	PPM	480	480	SINGLE		
			06/30/77	077	DAY	TWA	0.100	PPM	480	480	SINGLE		
			07/01/77	081	DAY	TWA	6.000	PPM	480	480	SINGLE		
			07/13/77	087	DAY	TWA	0.100	PPM	480	480	SINGLE		
			07/14/77	089	DAY	TWA	0.100	PPM	480	480	SINGLE		
			07/15/77	095	DAY	TWA	0.100	PPM	480	480	SINGLE		
			09/23/77	101	DAY	TWA	0.100	PPM	480	480	SINGLE		
			09/23/77	102	DAY	TWA	0.100	PPM	480	480	SINGLE		
			09/23/77	103	DAY	TWA	0.100	PPM	480	480	SINGLE		

VVC 000019118

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INDUSTRIAL HYGIENE
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PAGE NO.
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PLANT-WIDE, MAINTENANCE

SITE: CHM OKLAHOMA CITY

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	CONTAMINANT	SAMPLE DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FL
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TASK: MECH GENERAL

NORMAL	PERSONAL	VCM	10/27/77	116	DAY	TWA	0.100	PPM	480	480	SINGLE		
			10/31/77	121	DAY	TWA	0.100	PPM	480	480	SINGLE		
			10/31/77	122	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/17/77	134	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/18/77	141	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/18/77	142	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/21/77	144	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/21/77	146	DAY	TWA	2.300	PPM	480	480	SINGLE		
			11/28/77	153	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/28/77	154	DAY	TWA	0.100	PPM	480	480	SINGLE		
			12/29/77	161	DAY	TWA	0.100	PPM	480	480	SINGLE		
			12/29/77	162	DAY	TWA	0.100	PPM	480	480	SINGLE		
			12/30/77	166	DAY	TWA	0.100	PPM	480	480	SINGLE		
			12/30/77	167	DAY	TWA	0.100	PPM	480	480	SINGLE		

TASK: MECH HELPER

NORMAL	PERSONAL	VCM	02/17/77	006	DAY	TWA	9.500	PPM	480	480	SINGLE		
			05/10/77	047	DAY	TWA	0.100	PPM	480	480	SINGLE		
			06/29/77	074	DAY	TWA	0.100	PPM	480	480	SINGLE		
			10/27/77	115	DAY	TWA	0.100	PPM	480	480	SINGLE		
			10/31/77	123	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/21/77	145	DAY	TWA	0.100	PPM	480	480	SINGLE		
			12/30/77	168	DAY	TWA	0.100	PPM	480	480	SINGLE		

VVC 000019119

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INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

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PLANT-WIDE, OPERATIONS

SITE: CHM OKLAHOMA CITY

SUB-SITE:

AREA/SECT:

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

TASK: IN, PROCESS SUPT

NORMAL	PERSONAL	VCM	03/02/77	017	DAY	TWA	0.100	PPM	480	480	SINGLE		
			07/14/77	093	DAY	TWA	0.100	PPM	480	480	SINGLE		
			09/28/77	108	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/17/77	136	DAY	TWA	0.100	PPM	480	480	SINGLE		

VVC 000019120

REPORT NO. 25-7380
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INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PLANT-WIDE, SERVICES-ENGR,INSPEC

PAGE NO.
DATE 03/13
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SITE: CHM OKLAHOMA CITY

SUB-SITE:

AREA/SECT:

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

TASK: SRV, PROFESSIONAL

NORMAL	PERSONAL	VCM	02/22/77	011	DAY	TWA	0.100	PPM	480	480	SINGLE		
			03/02/77	016	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/04/77	037	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/10/77	049	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/19/77	057	DAY	TWA	2.200	PPM	480	480	SINGLE		
			06/29/77	075	DAY	TWA	0.100	PPM	480	480	SINGLE		
			07/12/77	086	DAY	TWA	0.100	PPM	480	480	SINGLE		
			09/22/77	099	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/18/77	143	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/22/77	149	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/30/77	158	DAY	TWA	0.100	PPM	480	480	SINGLE		

VVC 000019121

REPORT NO. 25-7380
SOURCE NR738
JOB NO. RUNKBN77

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS
PLANT-WIDE, SERVICES-SFTY, SECUR, IH

PAGE NO.
DATE 03/13/77
TIME 15.07

SITE: CHM OKLAHOMA CITY

SUB-SITE:

AREA/SECT:

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

TASK: ADMIN, MNGR/DIREC

NORMAL	PERSONAL	VCM	03/01/77	012	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/19/77	059	DAY	TWA	0.100	PPM	480	480	SINGLE		

VVC 000019122

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INDUSTRIAL HYGIENE
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PVC PROD, REACTORS-LARGE

SITE: CHM OKLAHOMA CITY

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	CONTAMINANT	SAMPLE DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FLA
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TASK: OPER SHIFT SUPERVSR

NORMAL	PERSONAL	VCM	03/01/77	014	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/17/77	054	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/27/77	061	DAY	TWA	0.100	PPM	480	480	SINGLE		
			06/07/77	069	DAY	TWA	0.100	PPM	480	480	SINGLE		
			06/30/77	080	DAY	TWA	0.100	PPM	480	480	SINGLE		
			07/14/77	092	DAY	TWA	0.100	PPM	480	480	SINGLE		
			09/28/77	109	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/17/77	138	DAY	TWA	0.100	PPM	480	480	SINGLE		

TASK: OUT, 1ST OPR/CNTRLMN

NORMAL	PERSONAL	VCM	02/11/77	003	DAY	TWA	0.100	PPM	480	480	SINGLE		
			02/11/77	005	DAY	TWA	0.100	PPM	480	480	SINGLE		
			02/18/77	008	DAY	TWA	0.100	PPM	480	480	SINGLE		
			03/29/77	027	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/01/77	031	DAY	TWA	26.500	PPM	480	480	SINGLE		
			05/06/77	043	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/17/77	053	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/19/77	055	DAY	TWA	0.100	PPM	480	480	SINGLE		
			06/13/77	072	DAY	TWA	2.200	PPM	480	480	SINGLE		
			09/22/77	100	DAY	TWA	0.100	PPM	480	480	SINGLE		
			10/12/77	110	DAY	TWA	0.100	PPM	480	480	SINGLE		
			10/12/77	111	DAY	TWA	11.500	PPM	480	480	SINGLE		
			10/27/77	118	DAY	TWA	6.000	PPM	480	480	SINGLE		
			10/27/77	120	DAY	TWA	0.100	PPM	480	480	SINGLE		
			10/31/77	128	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/16/77	133	DAY	TWA	0.400	PPM	480	480	SINGLE		
			11/28/77	155	DAY	TWA	0.100	PPM	480	480	SINGLE		
			12/29/77	165	DAY	TWA	0.100	PPM	480	480	SINGLE		

TASK: OUT, 2ND OPR/CNTRLMN

NORMAL	PERSONAL	VCM	02/11/77	002	DAY	TWA	0.800	PPM	480	480	SINGLE		
			02/22/77	009	DAY	TWA	0.100	PPM	480	480	SINGLE		
			03/02/77	018	DAY	TWA	0.100	PPM	480	480	SINGLE		
			03/03/77	023	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/01/77	030	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/03/77	034	DAY	TWA	0.100	PPM	480	480	SINGLE		

VVC 000019123

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INDUSTRIAL HYGIENE
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PVC PROD, REACTORS-LARGE

SITE: CHM OKLAHOMA CITY

SUB-SITE:

AREA/SECT:

PLANT OPER	SAMPLE TYPE	CONTAMINANT	SAMPLE DATE	ID	SHIFT	MON STD	RESULT	UNITS	SMPL TIME	TWA TIME	SAMPLE METHOD	RESPIRATOR	FL
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TASK: OUT, 2ND OPR/CNTRLMN

NORMAL	PERSONAL	VCM	05/17/77	051	DAY	TWA	0.800	PPM	480	480	SINGLE		
			05/17/77	052	DAY	TWA	8.500	PPM	480	480	SINGLE		
			05/27/77	062	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/27/77	063	DAY	TWA	0.100	PPM	480	480	SINGLE		
			06/07/77	066	DAY	TWA	0.100	PPM	480	480	SINGLE		
			06/07/77	067	DAY	TWA	0.100	PPM	480	480	SINGLE		
			06/07/77	068	DAY	TWA	0.200	PPM	480	480	SINGLE		
			06/13/77	071	DAY	TWA	4.100	PPM	480	480	SINGLE		
			07/01/77	082	DAY	TWA	12.900	PPM	480	480	SINGLE		
			07/13/77	088	DAY	TWA	0.100	PPM	480	480	SINGLE		
			07/14/77	090	DAY	TWA	9.400	PPM	480	480	SINGLE		
			07/14/77	091	DAY	TWA	0.100	PPM	480	480	SINGLE		
			09/22/77	097	DAY	TWA	0.100	PPM	480	480	SINGLE		
			09/22/77	098	DAY	TWA	0.100	PPM	480	480	SINGLE		
			09/27/77	105	DAY	TWA	12.800	PPM	480	480	SINGLE		
			09/27/77	106	DAY	TWA	0.100	PPM	480	480	SINGLE		
			10/27/77	117	DAY	TWA	0.100	PPM	480	480	SINGLE		
			10/27/77	119	DAY	TWA	0.100	PPM	480	480	SINGLE		
			10/31/77	124	DAY	TWA	2.600	PPM	480	480	SINGLE		
			10/31/77	125	DAY	TWA	0.100	PPM	480	480	SINGLE		
			10/31/77	126	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/16/77	131	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/16/77	132	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/21/77	147	DAY	TWA	1.500	PPM	480	480	SINGLE		
			11/30/77	157	DAY	TWA	1.300	PPM	480	480	SINGLE		
			12/29/77	164	DAY	TWA	0.100	PPM	480	480	SINGLE		

VVC 000019124

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JOB NO. RUNKBN77

INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO.
DATE 03/13/78
TIME 15.07

REC/STOR/MOVE, WAREHOUSE

SITE: CHM OKLAHOMA CITY

SUB-SITE:

AREA/SECT:

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

TASK: IN, MATERIAL HANDLER

NORMAL	PERSONAL	VCM	02/11/77	004	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/22/77	152	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/30/77	160	DAY	TWA	2.100	PPM	480	480	SINGLE		

VVC 000019125

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INDUSTRIAL HYGIENE
CHEMICAL MONITORING BY PROCESS

PAGE NO.
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UTILITY UNIT

SITE: CHM OKLAHOMA CITY

SUB-SITE:

AREA/SECT:

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

TASK: OUT, UTILITY

NORMAL	PERSONAL	VCM	02/22/77	010	DAY	TWA	0.100	PPM	480	480	SINGLE		
			05/17/77	050	DAY	TWA	2.700	PPM	480	480	SINGLE		
			05/28/77	064	DAY	TWA	0.100	PPM	480	480	SINGLE		
			06/30/77	078	DAY	TWA	0.100	PPM	480	480	SINGLE		
			07/06/77	083	DAY	TWA	12.900	PPM	480	480	SINGLE		
			07/15/77	096	DAY	TWA	0.100	PPM	480	480	SINGLE		
			10/31/77	129	DAY	TWA	0.100	PPM	480	480	SINGLE		
			11/30/77	159	DAY	TWA	0.100	PPM	480	480	SINGLE		
			12/29/77	163	DAY	TWA	0.100	PPM	480	480	SINGLE		

VVC 000019126