EXHIBIT L

ACAMS MAINTENANCE

Doc Request # 13

LSDPO-400/(00)
B.1

ACAMS WEEKLY/DAILY OPERATIONAL LOG

Station # Pas 701A

Serial # 5-8 ~~2-8~~ 91-07-277

DATE	5-7-00	5-8-00	5-8-00	5-8-00	5-8-00	5-8-00	5-8-00	5/9/00
TIME	1956	0009	0356	0830	1207	1603	1956	0018
OPER. ID#	M43	M43	M43	M42	M42	M42	M43	M43
AGENT	GB	GB	GB	GB	GB	GB	GB	GB
STD VIAL #	B=0066. 24J18	B=0066. 24J18	B=0066. 24J18	B1 0066 24B18	B1 0066 24B18	B1 0066 24B18	B=0066. 24F18	B=0066. 24F18
ACAMS CONC. UNITS	ASC	ASC	ASC	ASC	ASC	ASC	ASC	ASC
AVG SAMPLE FLOW	1045	1044	1043	1031	1036	1036	1040	1043
1.0Z CHAL F/N	.87	.88	.91	.93	.83	.93	.90	.90
PASS OR FAIL STATUS	P1	P1	P1	P1	P1	P1	P1	P1
RETENTION TIME	83	84	84	84	84	83	85	85
CARRYOVER	.04	.04	.04	.00	.03	.04	.04	.03
2nd 1.0Z CHAL F/N	N	N	N	N	N	N	N	N
PASS OR FAIL STATUS	A	A	A	A	A	A	A	A
LOC CHAL F/N	.23	.21	.21	.23	.21	.23	.22	.18
PASS OR FAIL STATUS	P1	P1	P1	P1	P1	P1	P1	P1
HEAT TRACE HOT Y/N	YES	YES	YES	YES	YES	YES	YES	YES
DATE LAST PCT CHANGE	5-7-00	5-7-00	5-7-00	5-7-00	5-7-00	5-7-00	5-7-00	5-7-00
DATE LAST CALIBRATED	5-5-00	5-5-00	5-5-00	5-5-00	5-5-00	5-8-00	5-8-00	5-8-00
1.0Z CHAL AFTER CORRECTIVE ACTION					1.03			
PASS OR FAIL STATUS	N	N	N		P		N	N
CARRYOVER	A	A	A		~~.04~~		A	A
LOC CHAL F/N CORRECTIVE ACTION				N/A	.25	N/A		
PASS OR FAIL STATUS					P			
H_2 CYLINDER PRESSURE CYLINDER SECURE Y/N	1200/Y	1200/Y	1200/Y	1200/Y	1200/Y	1200/Y	1200/Y	1200/Y
N_2 CYLINDER PRESSURE CYLINDER SECURE Y/N	350/Y	350/Y	350/Y	350/Y	350/Y	2400/Y	2400/Y	2400/Y
H2 DESICCANT	✓	✓	✓	✓	✓	✓	✓	✓
N2 DESICCANT	✓	✓	✓	✓	✓	✓	✓	✓
AIR DESICCANT	✓	✓	✓	✓	✓	✓	✓	✓

WEEKLY SETPOINTS FOR ERROR LIMITS:

1. FLAME TEMP = 20 > FDT
2. AMB TEMP = 30 C
3. FPO TEMP = 25 C
4. VALVE TEMP = 15 C
5. PCT LOW TEMP = 30 C
6. PCT HIGH TEMP = 40 C
7. COL 1 LOW TEMP = 25 C
8. COL 1 HIGH TEMP = 25 C
9. COL 2 LOW TEMP = 25 C
10. COL 2 HIGH TEMP = 25 C
11. HYDROGEN FLOW = 3 mLS
12. NITROGEN FLOW = 3 mLS
13. AIR FLOW = 3 mLS
14. SAMPLE = 200 mLS
15. PMT VOLTAGE = 26 VOLTS

SETPOINTS:

1. FLAME TEMP 195 C
2. AMB TEMP 30 C
3. FPO TEMP 175 C
4. VALVE TEMP 100 C
5. PCT LOW TEMP 50 C
6. PCT HIGH TEMP 220 C
7. COL 1 LOW TEMP 30 C
8. COL 1 HIGH TEMP 140 C
9. COL 2 LOW TEMP 140 C
10. COL 2 HIGH TEMP 140 C
1. HYDROGEN FLOW 75 mLS
2. NITROGEN FLOW 30 mLS
3. AIR FLOW 110 mLS
4. SAMPLE FLOW 100 mLS

Signature of Person Completing Record / Job Title

Brian Laird M42 / MT

Signature of Person Reviewing Record / Job Title

LDP-S2401.R2
THIS DOCUMENT IS A RECORD

CSGPO-453/0033
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000011

91-07-277

4-30-00 / 1552 l. Changed Chart paper was in the Red BL M42
5-1-00 1320 Checked probe flows ADC 1055-1000 Probe 82-80 Dial
9.90-9.86 SL M34
5-3-00 0452 l. Done AWFCO's LOQ, Malf, Non-Stagnated BL M42
5-3-00 1957 h. Changed Chart paper on Acqus/ADC BL M42
5-5-00 1624 hrs changed PCT and calibrated. BL M24
5-5-00 2020 Calibrated unit. M.M. M43
5-7-00 1610 CHANGED PCT BL M42
5-8-00 0819 l. Probe flows ADC 1016-1000 / PROBE 76-80 / Dial 9.86-9.8
& leak Ck. BL M42
5-8-00 1203 l. Changed Chart paper, Acqus/ADC, also pulled
daily weekly logs BL M42
5-8-00 1216 l. Calibrated unit due to low P1 83 BL M42
5-8-00 1330 l. Changed N2 Cylinder. BL M42
5/8/00 2356 hrs. Responded to ACQMS Alarm At 2.86 ASC RET.
84 SECS. FWHM = 4.8 Perform Post Alarm challenge Response =
.98 PASS unit BACK on Line M.M. M43 PULLED DRAMS. M38
5/9/00 0058 hrs. while challenging unit PAS. 701 B, C Alarmed
LOQ came out at .68 ASC Let Alarm clear Rechallenged
LOQ since unit was OFF Line For challenge. No Post Alarm
challenge Required. M.M. M43
5/9/00 229 changed chart paper. M.M. M43

USPU-453/0033
P3.3

ACAMS WEEKLY/DAILY OPERATIONAL LOG

Station # PAS-761B | Serial # 91-07-272

DATE	5-8-00	5-8-00	5-8-00	5-8-00	5/9/00			
TIME	0745	1154	1549	1945	0005			
OPER. ID#	M42	M42	M42	M43	M43			
AGENT	GB	GB	GB	GB	GB			
STD VIAL #	B10066 24318	B10066 24318	B10066 24319	B10066 24318	B10066 24318			
ACAMS CONC. UNITS	ASC	ASC	ASC	ASC	ASC			
AVG SAMPLE FLOW	998	959	961	965	961			
1.0Z CHAL F/N	1.30	.96	.95	.94	.91			
PASS OR FAIL STATUS	F1	P1	P1	P1	P1			
RETENTION TIME	98	98	97	98	98			
CARRYOVER	.13	.07	.06	.06	.08			
2nd 1.0Z CHAL F/N	N/A	N/A	N/A	N/A	N/A			
PASS OR FAIL STATUS								
LOQ CHAL F/N	SEE LOG	.28	.28	.28	.29			
PASS OR FAIL STATUS		P1	P1	P1	P1			
HEAT TRACE HOT Y/N	YES	YES	YES	YES	YES			
DATE LAST PCT CHANGE	5-6-00	5-8-00	5-8-00	5-8-00	5-8-00			
DATE LAST CALIBRATED	5-4-00	5-4-00	5-4-00	5-4-00	5-4-00			
1.0Z CHAL AFTER CORRECTIVE ACTION	1.06							
PASS OR FAIL STATUS	P			N	N			
CARRYOVER	.08	N/A	N/A	A	A			
LOQ CHAL F/N CORRECTIVE ACTION	.32							
PASS OR FAIL STATUS	P							
H_2 CYLINDER PRESSURE CYLINDER SECURE Y/N	1200/Y	1200/Y	1200/Y	1300/Y	1200/Y			
N_2 CYLINDER PRESSURE CYLINDER SECURE Y/N	350/Y	350/Y	2400/Y	2400/Y	2400/Y			
H2 DESICCANT	✓	✓	✓	✓	✓			
N2 DESICCANT	✓	✓	✓	✓	✓			
AIR DESICCANT	✓	✓	✓	✓	✓			

WEEKLY SETPOINTS FOR ERROR LIMITS:

1. FLAME TEMP = 10 > FDT
2. AMB TEMP = 30 C
3. FPD TEMP = 25 C
4. VALVE TEMP = 15 C
5. PCT LOW TEMP = 30 C
6. PCT HIGH TEMP = 40 C
7. COL 1 LOW TEMP = 25 C
8. COL 1 HIGH TEMP = 25 C
9. COL 2 LOW TEMP = 25 C
10. COL 2 HIGH TEMP = 25 C
11. HYDROGEN FLOW = 3 mLS
12. NITROGEN FLOW = 3 mLS
13. AIR FLOW = 3 mLS
14. SAMPLE = 200 mLS
15. PMT VOLTAGE = 25 VOLTS

SETPOINTS:

1. FLAME TEMP 195 C
2. AMB TEMP 30 C
3. FPD TEMP 175 C
4. VALVE TEMP 100 C
5. PCT LOW TEMP 50 C
6. PCT HIGH TEMP 220 C
7. COL 1 LOW TEMP 50 C
8. COL 1 HIGH TEMP 150 C
9. COL 2 LOW TEMP 150 C
10. COL 2 HIGH TEMP 150 C

1. HYDROGEN FLOW 75 mLS
2. NITROGEN FLOW 30 mLS
3. AIR FLOW 110 mLS
4. SAMPLE FLOW 1000 mLS

Signature of Person Completing Record / Job Title / Signature of Person Reviewing Record

CSGPO-453/0033 PS-4
000038

91-07-272

5-8-00. 1330 l. Changed N2 Cylinders. BOL M42
5/9/00 0118 hrs. Perform Post challenge on unit After PAS-701 Alarm
A, B, C second Alarm .41 ASL R/T = 97 FWHM = 3.2 SEC.
Challenge unit (in sonrise) Response = .98 (PASS) unit Back on Line. M.M. M43
5/9/00 0128 Changed chart PAPER. M.M. M43

ACAMS WEEKLY/DAILY OPERATIONAL LOG

Station # PAS-701C | Serial # 92-12-320

DATE	5-8-00	5-8-00	5-8-00	5-8-00	5-8-00	5/9/00
TIME	0406	0853	1242	1616	2006	0103
OPER. ID#	M43	M42	M42	M42	M43	M43
AGENT	CB	CB	CB	CB	CB	CB
STD VIAL #	B-0066 24J18	B0066 24B18	B0066 24B18	B0066 24B18	B-0066 24F18	B-0066 24F18
ACAMS CONC. UNITS	ASC	ASC	ASC	ASC	ASC	ASC
AVG SAMPLE FLOW	1007	997	1002	1003	1002	1006
1.0Z CHAL F/N	.92	.94	.93	.90	.90	.96
PASS OR FAIL STATUS	P1	P1	P1	P1	P1	P1
RETENTION TIME	88	88	88	88	89	88
CARRYOVER	.03	.03	.05	.04	.04	.05
2nd 1.0Z CHAL F/N	N	N	N	N	N	N
PASS OR FAIL STATUS	A	A	A	A	A	A
LOC CHAL F/N	.26	.28	.27	.28	.26	.25
PASS OR FAIL STATUS	P1	P1	P1	P1	P1	P1
HEAT TRACE HOT Y/N	YES	YES	YES	YES	YES	YES
DATE LAST PCT CHANGE	5-7-00	5-7-00	5-7-00	5-7-00	5-7-00	5-7-00
DATE LAST CALIBRATED	5-4-00	5-4-00	5-4-00	5-4-00	5-4-00	5-4-00
1.0Z CHAL AFTER CORRECTIVE ACTION						
PASS OR FAIL STATUS	N				N	N
CARRYOVER	A	N A	N A	N A	A	A
LOC CHAL F/N CORRECTIVE ACTION						
PASS OR FAIL STATUS						
H_2 CYLINDER PRESSURE CYLINDER SECURE Y/N	1200 / Y	1200 / Y	1200 / Y	1200 / Y	1200 / Y	1200 / Y
N_2 CYLINDER PRESSURE CYLINDER SECURE Y/N	1000 / Y	1000 / Y	1000 / Y	1000 / Y	1000 / Y	1000 / Y
H2 DESICCANT	✓	✓	✓	✓	✓	✓
N2 DESICCANT	✓	✓	✓	✓	✓	✓
AIR DESICCANT	✓	✓	✓	✓	✓	✓

WEEKLY SETPOINTS FOR ERROR LIMITS:

1. FLAME TEMP = 20 > FDT
2. AMB TEMP = 30 C
3. FPD TEMP = 25 C
4. VALVE TEMP = 15 C
5. PCT LOW TEMP = 30 C
6. PCT HIGH TEMP = 40 C
7. COL 1 LOW TEMP = 25 C
8. COL 1 HIGH TEMP = 25 C
9. COL 2 LOW TEMP = 25 C
10. COL 2 HIGH TEMP = 25 C
11. HYDROGEN FLOW = 3 mLS
12. NITROGEN FLOW = 3 mLS
13. AIR FLOW = 3 mLS
14. SAMPLE = 200 mLS
15. PMT VOLTAGE = 25 VOLTS

SETPOINTS:

1. FLAME TEMP 195 C
2. AMB TEMP 30 C
3. FPD TEMP 175 C
4. VALVE TEMP 100 C
5. PCT LOW TEMP 30 C
6. PCT HIGH TEMP 220 C
7. COL 1 LOW TEMP 50 C
8. COL 1 HIGH TEMP 160 C
9. COL 2 LOW TEMP 170 C
10. COL 2 HIGH TEMP 170 C
1. HYDROGEN FLOW 35 mLS
2. NITROGEN FLOW 30 mLS
3. AIR FLOW 110 mLS
4. SAMPLE FLOW 1000 mLS

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92-12-320

5-8-00. 0844 l. Probe flow ADC 1016-1000 / PROBE 80 TO 80, Dial 9.16-9.12 + leak ✓ BJ. M42

5-8-00. 1215 l. Changed Chart paper, on Acam / ADC, also pulled daily / weekly log sheets. BJ. M42

5/8/00 2356 hrs. Responded to Acams Alarm at 2.09 ASC R/T 89 SEC. FWHM 3.1 SEC. Perform Post Alarm Challenge while challenging A units ~~5/9/00~~ 1 MTH All alarmed again, so will be giving DAILY challenge and also Post alarm challenge on unit Response 0.96 (PASS) unit Back on line M.M. M43

5-9-00 0130 changed chart paper, M.M. M43

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ACAMS WEEKLY/DAILY OPERATIONAL LOG

Station # PAS 702 | Serial # 91-07-274

DATE	4-30-00	5-1-00	5-2-00	5-3-00	5-4-00	5-5-00	5-6-00	5-7-00
TIME	0714	0656	0658	0713	0704	0948	0927	0638
OPER. ID#	M42	M34	M34	M34	M34	M24	M12	M12
AGENT	GB	GB	GB	GB	GB	GB	GB	GB
STD VIAL #	B10066 24 F16	B10066-24 G16	B10066-24 H16	B10066-24 C16	B10066-24 G16	B10066-24 C18	B10066-24 D18	B10066-24 E18
ACAMS CONC. UNITS	ASC	ASC	ASC	ASC	ASC	ASC	ASC	ASC
AVG SAMPLE FLOW	1043	985	978	985	982	982	1030	1015
1.0Z CHAL F/N	.86	.93	.86	.96	.86	.78	1.04	1.03
PASS OR FAIL STATUS	P1	P1	P1	P1	P1	P1	P1	P1
RETENTION TIME	89	88	88	87	88	88	88	88
CARRYOVER	.02	.04	.07	.09	.09	.07	.03	.03
2nd 1.0Z CHAL F/N						N	—	—
PASS OR FAIL STATUS	A					A	—	—
LOQ CHAL F/N	.26	.23	.22	.31	.23	.20	.31	.23
PASS OR FAIL STATUS	P1	P1	P1	P1	P1	P1	P1	P1
HEAT TRACE HOT Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Y	Y
DATE LAST PCT CHANGE	4-27-00	4-27-00	4-27-00	4-27-00	4-27-00	4-27-00	5-5-00	5-5-00
DATE LAST CALIBRATED	4-11-00	4-11-00	4-11-00	4-11-00	4-11-00	4-11-00	4-11-00	4-11-00
1.0Z CHAL AFTER CORRECTIVE ACTION						1.21	—	—
PASS OR FAIL STATUS						PASS	—	—
CARRYOVER						.03	—	—
LOQ CHAL F/N CORRECTIVE ACTION	A					.27	—	—
PASS OR FAIL STATUS						PASS	—	—
H_2 CYLINDER PRESSURE CYLINDER SECURE Y/N	400/Y	2100Y	2025Y	2000Y	1825Y	1450Y	1300Y	1200Y
N_2 CYLINDER PRESSURE CYLINDER SECURE Y/N	1500/Y	1500Y	1475Y	1475Y	1425Y	1275Y	1200Y	1150Y
H2 DESICCANT	✓	✓	✓	✓	✓	✓	✓	✓
N2 DESICCANT	✓	✓	✓	✓	✓	✓	✓	✓
AIR DESICCANT	✓	✓	✓	✓	✓	✓	✓	✓

WEEKLY SETPOINTS FOR ERROR LIMITS:

1.	FLAME TEMP	= 20	> FDT	6.	PCT HIGH TEMP	± 40	C	11.	HYDROGEN FLOW	± 3	mLS
2.	AMB TEMP	= 30	C	7.	COL 1 LOW TEMP	± 25	C	12.	NITROGEN FLOW	± 3	mLS.
3.	FPD TEMP	= 25	C	8.	COL 1 HIGH TEMP	± 25	C	13.	AIR FLOW	± 3	mLS
4.	VALVE TEMP	= 15	C	9.	COL 2 LOW TEMP	± 25	C	14.	SAMPLE	± 200	mLS
5.	PCT LOW TEMP	± 30	C	10.	COL 2 HIGH TEMP	± 25	C	15.	PMT VOLTAGE	± 25	VOLTS

SETPOINTS:

1.	FLAME TEMP	195	C	6.	PCT HIGH TEMP	220	C	1.	HYDROGEN FLOW	75	mLS
2.	AMB TEMP	30	C	7.	COL 1 LOW TEMP	50	C	2.	NITROGEN FLOW	30	mLS
3.	FPD TEMP	175	C	8.	COL 1 HIGH TEMP	140	C	3.	AIR FLOW	110	mLS
4.	VALVE TEMP	100	C	9.	COL 2 LOW TEMP	140	C	4.	SAMPLE FLOW	1000	mLS
5.	PCT LOW TEMP	50	C	10.	COL 2 HIGH TEMP	140	C				

Signature of Person Completing Record / MTE Job Title

Signature of Person Reviewing Record / M42 / MTE Job Title

LOP-524-01.R2

THIS DOCUMENT IS A RECORD

CSGPO-453/0033
P3.8

ACAMS WEEKLY/DAILY OPERATIONAL LOG

Station #	PAS702	Serial #	91-07-274

DATE	5-8-00						
TIME	0655						
OPER. ID#	MAZ						
AGENT	GB						
STD VIAL #	81066 24818						
ACAMS CONC. UNITS	ASC						
AVG SAMPLE FLOW	996						
1.0Z CHAL F/N	90						
PASS OR FAIL STATUS	P1						
RETENTION TIME	89						
CARRYOVER	.04						
2nd 1.0Z CHAL F/N	N/A						
PASS OR FAIL STATUS							
LOQ CHAL F/N	.03						
PASS OR FAIL STATUS	P1						
HEAT TRACE HOT Y/N	Yes						
DATE LAST PCT CHANGE	5-5-00						
DATE LAST CALIBRATED	4-11-00						
1.0Z CHAL AFTER CORRECTIVE ACTION							
PASS OR FAIL STATUS							
CARRYOVER	N/A						
LOQ CHAL F/N CORRECTIVE ACTION							
PASS OR FAIL STATUS							
H_2 CYLINDER PRESSURE	1400/Y						
CYLINDER SECURE Y/N							
N_2 CYLINDER PRESSURE	1200/Y						
CYLINDER SECURE Y/N							
H2 DESICCANT	✓						
N2 DESICCANT	✓						
AIR DESICCANT	✓						

WEEKLY SETPOINTS FOR ERROR LIMITS:

1.	FLAME TEMP	± 20 > FDT	6.	PCT HIGH TEMP	± 40 C	11.	HYDROGEN FLOW	± 3	mLS
2.	AMB TEMP	± 30 C	7.	COL 1 LOW TEMP	± 25 C	12.	NITROGEN FLOW	± 3	mLS
3.	FPD TEMP	± 25 C	8.	COL 1 HIGH TEMP	± 25 C	13.	AIR FLOW	± 3	mLS
4.	VALVE TEMP	± 15 C	9.	COL 2 LOW TEMP	± 25 C	14.	SAMPLE	± 200	mLS
5.	PCT LOW TEMP	± 30 C	10.	COL 2 HIGH TEMP	± 25 C	15.	PMT VOLTAGE	± 25	VOLTS

SETPOINTS:

1.	FLAME TEMP	195 C	6.	PCT HIGH TEMP	220 C	1.	HYDROGEN FLOW	75 mLS
2.	AMB TEMP	30 C	7.	COL 1 LOW TEMP	50 C	2.	NITROGEN FLOW	30 mLS
3.	FPD TEMP	175 C	8.	COL 1 HIGH TEMP	140 C	3.	AIR FLOW	110 mLS
4.	VALVE TEMP	100 C	9.	COL 2 LOW TEMP	140 C	4.	SAMPLE FLOW	1000 mLS
5.	PCT LOW TEMP	30 C	10.	COL 2 HIGH TEMP	140 C			

Signature of Person Completing Record / Job Title

Signature of Person Reviewing Record / Job Title

91-07-274

Pg. 9 000034

4/12/00 0700 Start 10Z 9.56 PDSS (BI0066.16Q10 .0899 ng/mL) F
4-14-00/1140hrs. changed PCT due to high. C/O. M08
4-16-00/0032 QC F.P. + AK 5ml BI0066.1946 T.C. = 4.53 ASC F.C. = 5.19 ASC
114 % REC. PASS. NO Def. NOTed. STA# 702. [illegible] Q12.
4-16-00/0708hrs. changed charts on ADC & ACAMS. M08
19APR00/0336HRS--CHALLENGED ACAMS FOR AWFCO-.87 PASSED AWFCO, AFTER
CYCLE CLEARED, GAVE A HALFUNCTION- IT PASSED AS WELL [illegible] M03
4-22-00 0730 Changed PCT due to low rec & high % SLM34
4-23-00 1016 Checked probe flows, changed chart paper- did weekly maint SLM34
4-26-00 1020 Did Alarm Function Test MSS [illegible]
4-27-00/0727hrs changed PCT due to low recovery. Changed charts on ADC & ACAMS. M08
4-29-00. / 0644 h. Installed a new daily/weekly log chart [illegible] M42
4-30-00. / 0714 h. Changed Chart paper. & done weekly Maint [illegible] M42
4/30/00 0945 set Probe flow MPM08
5-3-00. 0531 h/ Done AWFCO's LOQ = .26 & [illegible] [illegible] M42
5-3-00 0724 Changed chart paper. did weekly maint SLM34
5-5-00, 0955hrs changed PCT. [illegible] M24
5-3-00 0640 DID WEEKLY MAINT [illegible] M42
5-7-00 1100 DID PROBE FLOWS ADC 1037→1000 DIAL 9.76→9.78
PROBE SET TO 80 CHAL. 1.08 [illegible] M12
5-8-00 2343 Acams alarmed at 1.43 ASC FWHM = 3.7 - R.T = 89
12 after alarm = .92 - P1 - chall. complete M32 ~~FWHM = 3.6 M33~~
5-9-00 - 0033 unit alarmed at .85 ASC + went up to 1.01 - FWHM =
3.7 - R.T = 89 - 12 after alarm = 1.02 - P1 - FWHM = 4.0 - RT = 88 - M33