

Cory

AMBIENT MONITOR

08:06 05/13/98

O2 FLOW	L/MIN	.028
C. CELL TMR	C	47.4
S. CELL TMR	C	48.2
OVEN TMR	C	47.5
CAT. MTR TMR	C	341.7
5 REFF.		5.00
5 VOLT	+	5.00
24 VOLT	+	24.01
30 VOLT	+	30.01
15 VOLT	+/-	14.99
C. EMTR.		5.50
S. EMTR.		5.50
C. TR CELL		8.364
S. TR CELL		8.508

08:24 05/13/98

ID CODE C00000014 MTR 1030 CAL#1  
 CARBON 18.54% SULFUR .00049%  
 OXYGEN FLOW 3.250

-C- -S-

BLANK	+.00000	+.00000
TIME	45.	30.
PEAK	14305.	0.
CALIB.	0.5900	0.8981
K FAC.	1.0076	1.0174

CaCO<sub>3</sub>

08:24 05/13/98

ALARM IDENT. #

-----  
 CPU OVERLOAD 1  
 O2 FLOW RANGE 1

08:38 05/13/98

ID CODE C00000015 MTR 0990 CAL#1  
 CARBON 18.90% SULFUR .00019%  
 OXYGEN FLOW 3.250

-C- -S-

BLANK	+.00000	+.00000
TIME	45.	30.
PEAK	15521.	0.
CALIB.	0.5900	0.8981
K FAC.	1.0073	1.0174

08:38 05/13/98

ALARM IDENT. #

-----  
 CPU OVERLOAD 1  
 O2 FLOW RANGE 1

08:55 05/13/98

ID CODE C00000016 MTR 1030 CAL#1  
 CARBON 11.98% SULFUR .00070%  
 OXYGEN FLOW 3.321

-C- -S-

BLANK	+.00000	+.00000
TIME	40.	30.
PEAK	16641.	0.
CALIB.	0.5900	0.8981
K FAC.	1.0201	1.0300

\*\*\* OUT-SEE DESUM \*\*\*

CaCO<sub>3</sub>

08:58 05/13/98

ID CODE C00000023 MTR 1020 CAL#1  
 CARBON 11.95% SULFUR .00060%  
 OXYGEN FLOW 3.147

-C- -S-

BLANK	+.00000	+.00000
TIME	40.	30.
PEAK	13565.	0.
CALIB.	0.5900	0.8981
K FAC.	0.9896	0.9991

\*\*\* OUT-SEE DESUM \*\*\*

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09:01 05/13/98

ID CODE C00000024 MTR 0990 CAL#1  
 CARBON 12.23% SULFUR .00045%  
 OXYGEN FLOW 3.287

-C- -S-

BLANK	+.00000	+.00000
TIME	40.	30.
PEAK	16435.	0.
CALIB.	0.5900	0.8981
K FAC.	1.0141	1.0239

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09:03 05/13/98

ID CODE C00000017 MTR 0050 CAL#1  
 CARBON 0.0287% SULFUR -.00000%  
 OXYGEN FLOW 3.201

-C- -S-

BLANK	+.00000	+.00000
TIME	40.	30.
PEAK	11276.	0.
CALIB.	0.5900	0.8981
K FAC.	0.9987	1.0087

Std  
0.818

09:04 05/13/98

ID CODE C00000018 MTR 0020 CAL#1  
 CARBON 0.0416% SULFUR .00005%  
 OXYGEN FLOW 3.268

-C- -S-

BLANK	+.00000	+.00000
TIME	40.	30.
PEAK	10312.	0.
CALIB.	0.5900	0.8981
K FAC.	1.0107	1.0206

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09:06 05/13/98

ID CODE C00000019 WT1.0050 CAL#1  
CARBON 0.8376% SULFUR .00002%  
OXYGEN FLOW 3.283

Std  
0.818

-C- -S-  
BLANK +.00000 +.00000  
TIME 40. 30.  
PEAK 9961. 0.  
CALIB. 0.5900 0.8981  
K FAC. 1.0134 1.0233

09:07 05/13/98

ID CODE C00000020 WT1.0020 CAL#1  
CARBON 0.8321% SULFUR .00001%  
OXYGEN FLOW 3.296

-C- -S-  
BLANK +.00000 +.00000  
TIME 40. 30.  
PEAK 10450. 0.  
CALIB. 0.5900 0.8981  
K FAC. 1.0150 1.0255

09:08 05/13/98

ID CODE C00000021 WT1.0020 CAL#1  
CARBON 0.8419% SULFUR .00004%  
OXYGEN FLOW 3.307

-C- -S-  
BLANK +.00000 +.00000  
TIME 40. 30.  
PEAK 9988. 0.  
CALIB. 0.5900 0.8981  
K FAC. 1.0176 1.0275

\*\*\* OUT-SEA BEGUN \*\*\*

09:11 05/13/98

ID CODE C00000025 WT1.0060 CAL#1  
CARBON 0.8330% SULFUR .00004%  
OXYGEN FLOW 3.313

-C- -S-  
BLANK +.00000 +.00000  
TIME 40. 30.  
PEAK 9869. 0.  
CALIB. 0.5900 0.8981  
K FAC. 1.0187 1.0286

\*\*\* OUT-SEA BEGUN \*\*\*

09:13 05/13/98

ID CODE C00000026 WT0.9990 CAL#1  
CARBON 0.8466% SULFUR .00001%  
OXYGEN FLOW 3.319

-C- -S-  
BLANK +.00000 +.00000  
TIME 40. 30.  
PEAK 9713. 0.  
CALIB. 0.5900 0.8981  
K FAC. 1.0194 1.0302

\*\*\* END CALIBRATION \*\*\*

09:15 05/13/98

ID CODE WEIGHT CARBON% SULFUR%  
C00000026 0.9990 0.8466 .00001  
C00000025 1.0060 0.8330 .00004  
C00000021 1.0020 0.8419 .00004  
C00000020 1.0020 0.8321 .00001  
C00000019 1.0050 0.8376 .00002  
C00000018 1.0020 0.8416 .00005  
C00000017 1.0060 0.8287 .00000  
C00000024 0.9990 12.23 .00045  
C00000023 0.1020 11.95 .00060  
C00000016 0.1030 11.98 .00070

CARBON STD % 00.8100  
OLD C-CAL -1- 0.5900  
INCLUDE CARBON  
C00000026 0.8466  
C00000025 0.8330  
C00000021 0.8419  
C00000020 0.8321  
C00000019 0.8376  
C00000018 0.8416  
C00000017 0.8287  
NEW C-CAL -1- 0.5764

09:15 05/13/98

ID CODE WEIGHT CARBON% SULFUR%  
C00000026 0.9990 0.8270 .00001  
C00000025 1.0060 0.8137 .00004  
C00000021 1.0020 0.8225 .00004  
C00000020 1.0020 0.8129 .00001  
C00000019 1.0050 0.8183 .00002  
C00000018 1.0020 0.8222 .00005  
C00000017 1.0060 0.8096 .00000  
C00000024 0.9990 11.95 .00045  
C00000023 0.1020 11.67 .00060  
C00000016 0.1030 11.71 .00070

\*\*\* END CALIBRATION \*\*\*

09:17 05/13/98

ID CODE C00000022 WT1.0030 CAL#1  
CARBON 0.8130% SULFUR .00003%  
OXYGEN FLOW 3.324

-C- -S-  
BLANK +.00000 +.00000  
TIME 40. 30.  
PEAK 10799. 0.  
CALIB. 0.5764 0.8981  
K FAC. 1.0286 1.0305

Std  
0.818

\*\*\* CLEANING TIME \*\*\*

09:19 05/13/98

ID CODE C00000027 WT0.9990 CAL#1  
CARBON 0.8174% SULFUR .00003%  
OXYGEN FLOW 3.320

-C- -S-  
BLANK +.00000 +.00000  
TIME 40. 30.  
PEAK 10839. 0.  
CALIB. 0.5764 0.8981  
K FAC. 1.0202 1.0297

Copy

09:24 05/13/98  
 ID CODE C00000028 WTA.1010 CAL#1  
 CARBON 11.92% SULFUR .00059%  
 OXYGEN FLOW 3.330

CaCO<sub>3</sub>

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 16058. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0217 1.0316

09:25 05/13/98  
 ID CODE C00000029 WTA.0500 CAL#1  
 CARBON 2.472% SULFUR .00000%  
 OXYGEN FLOW 3.316

WST2

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 1208. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0189 1.0291

09:27 05/13/98  
 ID CODE C00000030 WTA.1000 CAL#1  
 CARBON 0.3616% SULFUR .00000%  
 OXYGEN FLOW 3.291

1048-1

3-

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 48. 30.  
 PEAK 204. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0148 1.0247

09:28 05/13/98  
 ID CODE C00000031 WTA.1000 CAL#1  
 CARBON 0.3272% SULFUR .00002%  
 OXYGEN FLOW 3.318

13

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 49. 30.  
 PEAK 312. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0195 1.0294

09:30 05/13/98  
 ID CODE C00000032 WTA.1000 CAL#1  
 CARBON 0.2520% SULFUR .00006%  
 OXYGEN FLOW 3.315

23

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 47. 30.  
 PEAK 252. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0197 1.0289

09:31 05/13/98  
 ID CODE C00000033 WTA.1000 CAL#1  
 CARBON 0.1904% SULFUR .00016%  
 OXYGEN FLOW 3.322

33

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 51. 30.  
 PEAK 164. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0209 1.0302

09:33 05/13/98  
 ID CODE C00000034 WTA.1000 CAL#1  
 CARBON 0.3046% SULFUR .00019%  
 OXYGEN FLOW 3.320

43

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 43. 30.  
 PEAK 420. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0205 1.0297

09:34 05/13/98  
 ID CODE C00000035 WTA.1000 CAL#1  
 CARBON 0.3501% SULFUR .00005%  
 OXYGEN FLOW 3.321

53

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 41. 30.  
 PEAK 396. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0204 1.0300

09:35 05/13/98  
 ID CODE C00000036 WTA.1000 CAL#1  
 CARBON 0.3492% SULFUR .00021%  
 OXYGEN FLOW 3.321

63

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 406. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0201 1.0300

09:37 05/13/98  
 ID CODE C00000037 WTA.1000 CAL#1  
 CARBON 0.4756% SULFUR .00030%  
 OXYGEN FLOW 3.315

73

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 409. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0190 1.0289

09:38 05/13/98  
 ID CODE C00000038 WTA.1000 CAL#1  
 CARBON 0.5100% SULFUR .00005%  
 OXYGEN FLOW 3.315

83

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 543. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0190 1.0289

09:40 05/13/98  
 ID CODE C00000039 WTA.1000 CAL#1  
 CARBON 0.4043% SULFUR .00070%  
 OXYGEN FLOW 3.315

93

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 572. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0193 1.0289

09:41 05/13/98  
 ID CODE C00000040 Wt0.9990 CAL#1  
 CARBON 0.8262% SULFUR .00000%  
 OXYGEN FLOW 3.320

Std  
 0.818

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 11426. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0205 1.0297

09:43 05/13/98  
 ID CODE C00000041 Wt1.0040 CAL#1  
 CARBON 0.8109% SULFUR .00004%  
 OXYGEN FLOW 3.321

u

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 11192. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0297 1.0300

09:45 05/13/98  
 ID CODE C00000042 Wt1.0050 CAL#1  
 CARBON 0.8195% SULFUR .00001%  
 OXYGEN FLOW 3.320

u

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 10770. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0205 1.0303

09:56 05/13/98  
 ID CODE C00000043 Wt0.1010 CAL#1  
 CARBON 11.95% SULFUR .00013%  
 OXYGEN FLOW 3.334

CaCO<sub>3</sub>

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 14105. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0233 1.0322

09:58 05/13/98  
 ID CODE C00000044 Wt0.0520 CAL#1  
 CARBON 2.440% SULFUR .00091%  
 OXYGEN FLOW 3.333

WSO<sub>2</sub>

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 1333. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0231 1.0321

10:00 05/13/98  
 ID CODE C00000045 Wt0.1000 CAL#1  
 CARBON 0.4253% SULFUR .00058%  
 OXYGEN FLOW 3.322

103

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 41. 30.  
 PEAK 387. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0209 1.0302

10:02 05/13/98  
 ID CODE C00000046 Wt0.1000 CAL#1  
 CARBON 0.4356% SULFUR .00024%  
 OXYGEN FLOW 3.326

113

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 472. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0216 1.0309

\*\*\* CLEANING TIME \*\*\*

10:03 05/13/98  
 ID CODE C00000047 Wt0.1000 CAL#1  
 CARBON 0.4377% SULFUR .00017%  
 OXYGEN FLOW 3.325

123

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 41. 30.  
 PEAK 464. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0214 1.0307

10:04 05/13/98  
 ID CODE C00000048 Wt0.1000 CAL#1  
 CARBON 0.4798% SULFUR .00016%  
 OXYGEN FLOW 3.324

133

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 472. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0219 1.0305

10:06 05/13/98  
 ID CODE C00000049 Wt0.1000 CAL#1  
 CARBON 0.4685% SULFUR .00053%  
 OXYGEN FLOW 3.324

143

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 436. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0219 1.0305

10:09 05/13/98  
 ID CODE C00000050 Wt0.1000 CAL#1  
 CARBON 0.6187% SULFUR .00009%  
 OXYGEN FLOW 3.345

153

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 678. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0255 1.0342

10:11 05/13/98  
 ID CODE C00000051 Wt0.1000 CAL#1  
 CARBON 0.4863% SULFUR .00003%  
 OXYGEN FLOW 3.341

163

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 41. 30.  
 PEAK 480. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0245 1.0335



10:13 05/13/98  
 ID CODE C00000052 Wt0.1000 CAL#1  
 CARBON 0.6050% SULFUR .00038%  
 OXYGEN FLOW 3.339

173

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 684. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0237 1.0330

10:14 05/13/98  
 ID CODE C00000053 Wt0.1000 CAL#1  
 CARBON 0.4629% SULFUR .00014%  
 OXYGEN FLOW 3.337

183

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 485. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0235 1.0328

10:15 05/13/98  
 ID CODE C00000054 Wt0.1000 CAL#1  
 CARBON 0.5205% SULFUR .00054%  
 OXYGEN FLOW 3.339

193

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 560. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0245 1.0331

10:17 05/13/98  
 ID CODE C00000055 Wt1.0010 CAL#1  
 CARBON 0.8220% SULFUR .00002%  
 OXYGEN FLOW 3.336

Std  
0.818

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 19139. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0242 1.0326

10:23 05/13/98  
 ID CODE C00000056 Wt0.1020 CAL#1  
 CARBON 11.87% SULFUR .00014%  
 OXYGEN FLOW 3.346

CaCO3

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 15063. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0257 1.0344

10:27 05/13/98  
 ID CODE C00000057 Wt0.0500 CAL#1  
 CARBON 2.535% SULFUR .00028%  
 OXYGEN FLOW 3.345

WSP2

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 1220. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0252 1.0342

10:29 05/13/98  
 ID CODE C00000058 Wt0.1000 CAL#1  
 CARBON 0.4720% SULFUR .00016%  
 OXYGEN FLOW 3.339

203

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 41. 30.  
 PEAK 467. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0248 1.0331

10:30 05/13/98  
 ID CODE C00000059 Wt0.1000 CAL#1  
 CARBON 0.4593% SULFUR .00021%  
 OXYGEN FLOW 3.337

213

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 472. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0244 1.0328

10:31 05/13/98  
 ID CODE C00000060 Wt0.1000 CAL#1  
 CARBON 0.4791% SULFUR .00020%  
 OXYGEN FLOW 3.336

223

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 45. 30.  
 PEAK 428. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0242 1.0326

10:33 05/13/98  
 ID CODE C00000061 Wt0.1000 CAL#1  
 CARBON 0.4237% SULFUR .00032%  
 OXYGEN FLOW 3.333

233

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 42. 30.  
 PEAK 427. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0237 1.0321

10:34 05/13/98  
 ID CODE C00000062 Wt0.1000 CAL#1  
 CARBON 0.5063% SULFUR .00053%  
 OXYGEN FLOW 3.331

243

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 534. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0234 1.0317

10:35 05/13/98  
 ID CODE C00000063 Wt0.1000 CAL#1  
 CARBON 0.6952% SULFUR .00034%  
 OXYGEN FLOW 3.328

253

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 688. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0225 1.0312

10:37 05/13/98  
 ID CODE C00000064 Wt0.1000 CAL#1  
 CARBON 0.4974% SULFUR .00011%  
 OXYGEN FLOW 3.330

263

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 528. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0226 1.0316

10:38 05/13/98  
 ID CODE C00000065 Wt0.1000 CAL#1  
 CARBON 0.3724% SULFUR .00033%  
 OXYGEN FLOW 3.332

273

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 416. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0229 1.0319

10:39 05/13/98  
 ID CODE C00000066 Wt0.1000 CAL#1  
 CARBON 0.4876% SULFUR .00017%  
 OXYGEN FLOW 3.330

283

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 476. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0229 1.0316

\*\*\* CLEANING TIME \*\*\*

10:41 05/13/98  
 ID CODE C00000067 Wt0.1000 CAL#1  
 CARBON 0.4529% SULFUR .00053%  
 OXYGEN FLOW 3.330

293

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 523. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0232 1.0316

10:42 05/13/98  
 ID CODE C00000068 Wt1.0000 CAL#1  
 CARBON 0.8163% SULFUR .00008%  
 OXYGEN FLOW 3.329

Std

303

0.818

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 10658. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0233 1.0314

10:51 05/13/98  
 ID CODE C00000069 Wt0.1000 CAL#1  
 CARBON 11.53% SULFUR .00012%  
 OXYGEN FLOW 3.344

Calo<sub>3</sub>  
313

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 15091. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0253 1.0341

10:52 05/13/98  
 ID CODE C00000070 Wt0.8500 CAL#1  
 CARBON 2.307% SULFUR .00024%  
 OXYGEN FLOW 3.335

Wst 2

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 43. 30.  
 PEAK 1242. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0240 1.0324

10:53 05/13/98  
 ID CODE C00000071 Wt0.1000 CAL#1  
 CARBON 0.4210% SULFUR .00032%  
 OXYGEN FLOW 3.332

303

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 42. 30.  
 PEAK 444. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0239 1.0319

10:55 05/13/98  
 ID CODE C00000072 Wt0.1000 CAL#1  
 CARBON 0.3786% SULFUR .00065%  
 OXYGEN FLOW 3.331

313

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 424. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0237 1.0317

10:56 05/13/98  
 ID CODE C00000073 Wt0.1000 CAL#1  
 CARBON 0.3018% SULFUR .00013%  
 OXYGEN FLOW 3.333

323

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 325. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0240 1.0327

10:58 05/13/98  
 ID CODE C00000074 Wt0.1000 CAL#1  
 CARBON 0.3079% SULFUR .00018%  
 OXYGEN FLOW 3.331

333

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 44. 30.  
 PEAK 400. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0237 1.0317

10:59 05/13/98  
 ID CODE C00000075 Wt0.1000 CAL#1  
 CARBON 0.4083% SULFUR .00020%  
 OXYGEN FLOW 3.332

343

-C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 501. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0239 1.0319

11:01 05/13/98

ID CODE C00000076 WT0.1000 CAL#1  
CARBON 0.3549% SULFUR .00053%  
OXYGEN FLOW 3.333

-C- -S-

353

BLANK +.00000 +.00000  
TIME 44. 30.  
PEAK 382. 0.  
CALIB. 0.5764 0.8981  
K FAC. 1.0237 1.0321

11:03 05/13/98

ID CODE C00000077 WT0.1000 CAL#1  
CARBON 0.3445% SULFUR .00015%  
OXYGEN FLOW 3.330

-C- -S-

363

BLANK +.00000 +.00000  
TIME 40. 30.  
PEAK 424. 0.  
CALIB. 0.5764 0.8981  
K FAC. 1.0232 1.0316

11:04 05/13/98

ID CODE C00000078 WT0.1000 CAL#1  
CARBON 0.2930% SULFUR .00026%  
OXYGEN FLOW 3.331

-C- -S-

373

BLANK +.00000 +.00000  
TIME 40. 30.  
PEAK 395. 0.  
CALIB. 0.5764 0.8981  
K FAC. 1.0237 1.0317

11:06 05/13/98

ID CODE C00000079 WT0.1000 CAL#1  
CARBON 0.4420% SULFUR .00044%  
OXYGEN FLOW 3.330

-C- -S-

383

BLANK +.00000 +.00000  
TIME 40. 30.  
PEAK 512. 0.  
CALIB. 0.5764 0.8981  
K FAC. 1.0237 1.0316

11:07 05/13/98

ID CODE C00000080 WT0.1000 CAL#1  
CARBON 0.4116% SULFUR .00038%  
OXYGEN FLOW 3.328

-C- -S-

393

BLANK +.00000 +.00000  
TIME 40. 30.  
PEAK 480. 0.  
CALIB. 0.5764 0.8981  
K FAC. 1.0234 1.0312

11:08 05/13/98

ID CODE C00000081 WT1.0020 CAL#1  
CARBON 0.8229% SULFUR .00002%  
OXYGEN FLOW 3.330

-C- -S-

51d

0818

BLANK +.00000 +.00000  
TIME 40. 30.  
PEAK 11560. 0.  
CALIB. 0.5764 0.8981  
K FAC. 1.0237 1.0316

11:10 05/13/98

ID CODE C00000082 WT0.0980 CAL#1  
CARBON 11.95% SULFUR .00029%  
OXYGEN FLOW 3.330

-C- -S-

CaCO<sub>3</sub>

BLANK +.00000 +.00000  
TIME 40. 30.  
PEAK 15097. 0.  
CALIB. 0.5764 0.8981  
K FAC. 1.0237 1.0316

11:13 05/13/98

ID CODE C00000083 WT0.0500 CAL#1  
CARBON 2.364% SULFUR .00048%  
OXYGEN FLOW 3.335

-C- -S-

WJF2

BLANK +.00000 +.00000  
TIME 40. 30.  
PEAK 1274. 0.  
CALIB. 0.5764 0.8981  
K FAC. 1.0240 1.0324

07:56 05/25/98  
 ID CODE C00000087 WT1.0850 CAL#1  
 CARBON 0.7921% SULFUR .00001%  
 OXYGEN FLOW 3.336  
 -C- -S-

Std  
 0.818  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 18086. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0273 1.0331

AMBIENT MONITOR

07:47 05/25/98

O2 FLOW L/MIN 3.361  
 C. CELL TMP. C 49.2  
 S. CELL TMP. C 48.2  
 OVEN TMP. C 45.9  
 CAT. HTR. TMP. C 342.7  
 5 REFF. 5.00  
 5 VOLT + 5.00  
 24 VOLT + 23.99  
 30 VOLT + 29.99  
 15 VOLT +/- 14.99  
 C. EHTR. 5.50  
 S. EHTR. 5.50  
 C. IR CELL 8.619  
 S. IR CELL 8.509

07:58 05/25/98  
 ID CODE C00000088 WT1.0830 CAL#1  
 CARBON 0.7877% SULFUR .00002%  
 OXYGEN FLOW 3.338  
 -C- -S-

BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 9265. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0271 1.0321

07:59 05/25/98  
 ID CODE C00000089 WT1.0840 CAL#1  
 CARBON 0.7933% SULFUR .00002%  
 OXYGEN FLOW 3.331  
 -C- -S-

BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 10636. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0270 1.0317

07:52 05/25/98  
 ID CODE C00000084 WT0.8970 CAL#1  
 CARBON 11.61% SULFUR .00020%  
 OXYGEN FLOW 3.339  
 -C- -S-

CaCO3

BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 13503. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0278 1.0331

08:00 05/25/98  
 ID CODE C00000090 WT1.0810 CAL#1  
 CARBON 0.7861% SULFUR .00001%  
 OXYGEN FLOW 3.331  
 -C- -S-

BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 9232. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0270 1.0317

07:54 05/25/98  
 ID CODE C00000085 WT0.8980 CAL#1  
 CARBON 11.48% SULFUR .00011%  
 OXYGEN FLOW 3.338  
 -C- -S-

BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 14153. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0276 1.0330

08:02 05/25/98  
 ID CODE C00000091 WT1.0030 CAL#1  
 CARBON 0.7877% SULFUR .00000%  
 OXYGEN FLOW 3.330  
 -C- -S-

BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 10076. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0269 1.0316

07:55 05/25/98  
 ID CODE C00000086 WT0.1040 CAL#1  
 CARBON 11.60% SULFUR .00000%  
 OXYGEN FLOW 3.336  
 -C- -S-

BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 14619. 0.  
 CALIB. 0.5764 0.8981  
 K FAC. 1.0273 1.0326

\*\*\* STACK CALIBRATION \*\*\*

08:02 05/25/98  
 ID CODE WEIGHT CARBON% SULFUR%  
 C00000091 1.0030 0.7877 .00000  
 C00000090 1.0010 0.7861 .00001  
 C00000089 1.0040 0.7933 .00002  
 C00000088 1.0030 0.7877 .00002  
 C00000087 1.0850 0.7921 .00001  
 C00000086 0.1040 11.60 .00000  
 C00000085 0.0980 11.48 .00011  
 C00000084 0.0970 11.61 .00020  
 C00000083 0.0500 2.364 .00048  
 C00000082 0.0980 11.65 .00028

\*\*\* CLEANING TIME \*\*\*



CARBON STD. % 00.8148  
 OLD C-CAL -1- 0.5974  
 INCLUDE CARBON  
 C00000091 0.7877  
 C00000090 0.7861  
 C00000089 0.7933  
 C00000088 0.7877  
 C00000087 0.7921  
 NEW C-CAL -1- 0.5972

08:03 05/25/98

ID CODE WEIGHT CARBON% SULFUR%  
 C00000091 1.0030 0.8162 .00000  
 C00000090 1.0010 0.8146 .00001  
 C00000089 1.0040 0.8221 .00002  
 C00000088 1.0030 0.8162 .00002  
 C00000087 1.0050 0.8208 .00001  
 C00000086 0.1040 12.02 -.00000  
 C00000085 0.0980 11.90 .00011  
 C00000084 0.0970 12.03 .00020  
 C00000083 0.0700 2.449 .00048  
 C00000082 0.0930 12.28 .00028  
 \*\*\* END CALIBRATION \*\*\*

08:05 05/25/98

ID CODE C00000092 WT0.8040 CAL#1  
 CARBON 0.8162% SULFUR .00011%  
 OXYGEN FLOW 3.336  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 9401. 0.

Std  
0.818

CALIB. 0.5972 0.8981  
 K FAC. 1.0273 1.0326  
 08:19 05/25/98

ID CODE C00000093 WT0.1000 CAL#1  
 CARBON 12.00% SULFUR .00013%  
 OXYGEN FLOW 3.347  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 13969. 0.

CaCO3

CALIB. 0.5972 0.8981  
 K FAC. 1.0292 1.0352  
 08:20 05/25/98

ID CODE C00000094 WT0.1000 CAL#1  
 CARBON 6.326% SULFUR .00036%  
 OXYGEN FLOW 3.338  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 6883. 0.

4337-1

0-1

CALIB. 0.5972 0.8981  
 K FAC. 1.0276 1.0330  
 08:22 05/25/98

ID CODE C00000095 WT0.1000 CAL#1  
 CARBON 6.835% SULFUR .00013%  
 OXYGEN FLOW 3.339  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 6869. 0.

1048-1

3

CALIB. 0.5972 0.8981  
 K FAC. 1.0276 1.0330

08:23 05/25/98  
 ID CODE C00000096 WT0.1000 CAL#1  
 CARBON 7.676% SULFUR .00047%  
 OXYGEN FLOW 3.338  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 7666. 0.

18

CALIB. 0.5972 0.8981  
 K FAC. 1.0290 1.0330  
 08:25 05/25/98

ID CODE C00000097 WT0.1000 CAL#1  
 CARBON 8.813% SULFUR .00025%  
 OXYGEN FLOW 3.331  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 9439. 0.

23

CALIB. 0.5972 0.8981  
 K FAC. 1.0270 1.0317  
 08:26 05/25/98

ID CODE C00000098 WT0.1000 CAL#1  
 CARBON 9.405% SULFUR .00017%  
 OXYGEN FLOW 3.332  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 11590. 0.

33

CALIB. 0.5972 0.8981  
 K FAC. 1.0272 1.0325  
 08:27 05/25/98

ID CODE C00000099 WT0.1000 CAL#1  
 CARBON 7.730% SULFUR .00044%  
 OXYGEN FLOW 3.331  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 8453. 0.

43

CALIB. 0.5972 0.8981  
 K FAC. 1.0270 1.0317  
 08:29 05/25/98

ID CODE C00000100 WT0.1010 CAL#1  
 CARBON 8.633% SULFUR .00016%  
 OXYGEN FLOW 3.331  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 9186. 0.

53

CALIB. 0.5972 0.8981  
 K FAC. 1.0270 1.0323  
 08:30 05/25/98

ID CODE C00000101 WT0.1010 CAL#1  
 CARBON 7.890% SULFUR .00019%  
 OXYGEN FLOW 3.329  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 9002. 0.

63

CALIB. 0.5972 0.8981  
 K FAC. 1.0267 1.0319

08:31 05/25/98  
 ID CODE C00000002 MT0.1000 CAL#1  
 CARBON 5.820% SULFUR .00015%  
 OXYGEN FLOW 3.331  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 49. 30.  
 PEAK 6648. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0267 1.0317

73

08:32 05/25/98  
 ID CODE C00000003 MT0.1000 CAL#1  
 CARBON 5.970% SULFUR .00049%  
 OXYGEN FLOW 3.329  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 7203. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0261 1.0319

83

08:34 05/25/98  
 ID CODE C00000004 MT0.1000 CAL#1  
 CARBON 6.289% SULFUR .00014%  
 OXYGEN FLOW 3.328  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 7401. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0256 1.0317

93

08:35 05/25/98  
 ID CODE C00000005 MT1.0040 CAL#1  
 CARBON 0.7920% SULFUR .00003%  
 OXYGEN FLOW 3.326  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 9256. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0256 1.0309

Std

0.818

08:37 05/25/98  
 ID CODE C00000006 MT1.0000 CAL#1  
 CARBON 0.8029% SULFUR .00004%  
 OXYGEN FLOW 3.329  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 9686. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0264 1.0314  
 \*\*\* CLEANING TIME \*\*\*

4

08:40 05/25/98  
 ID CODE C00000007 MT1.0030 CAL#1  
 CARBON 0.8125% SULFUR .00007%  
 OXYGEN FLOW 3.332  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 10118. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0272 1.0319

4

08:42 05/25/98  
 ID CODE C00000008 MT1.0040 CAL#1  
 CARBON 0.8140% SULFUR .00003%  
 OXYGEN FLOW 3.328  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 49. 30.  
 PEAK 10431. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0265 1.0312

Std

0.919

08:43 05/25/98  
 ID CODE C00000009 MT1.0000 CAL#1  
 CARBON 0.8204% SULFUR .00003%  
 OXYGEN FLOW 3.326  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 10381. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0262 1.0309

4

08:44 05/25/98  
 ID CODE C00000010 MT1.0050 CAL#1  
 CARBON 0.8150% SULFUR .00004%  
 OXYGEN FLOW 3.326  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 10740. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0262 1.0309

4

08:46 05/25/98  
 ID CODE C00000011 MT1.0040 CAL#1  
 CARBON 0.8247% SULFUR .00006%  
 OXYGEN FLOW 3.329  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 10771. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0264 1.0314

4

08:48 05/25/98  
 ID CODE C00000012 MT0.9980 CAL#1  
 CARBON 0.8031% SULFUR .00004%  
 OXYGEN FLOW 3.327  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 9559. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0257 1.0310

4

08:52 05/25/98  
 ID CODE C00000013 MT1.0040 CAL#1  
 CARBON 0.8093% SULFUR .00003%  
 OXYGEN FLOW 3.331  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 9639. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0270 1.0317

4

09:53 05/25/98

ID CODE C00000014 WT0.0010 CAL#1  
 CARBON 0.8109% SULFUR .00001%  
 OXYGEN FLOW 3.328

-C- -S-

SM BLANK +.00000 +.00000

TIME 40. 30.

0,848 PEAK 10460. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0265 1.0312

09:54 05/25/98

ID CODE C00000015 WT0.0040 CAL#1  
 CARBON 0.8169% SULFUR .00005%  
 OXYGEN FLOW 3.326

-C- -S-

BLANK +.00000 +.00000

TIME 40. 30.

PEAK 10459. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0262 1.0309

09:56 05/25/98

ID CODE C00000016 WT0.9980 CAL#1  
 CARBON 0.8105% SULFUR .00005%  
 OXYGEN FLOW 3.326

-C- -S-

BLANK +.00000 +.00000

TIME 40. 30.

PEAK 10140. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0262 1.0309

09:57 05/25/98

ID CODE C00000017 WT1.0040 CAL#1  
 CARBON 0.8084% SULFUR .00005%  
 OXYGEN FLOW 3.325

-C- -S-

BLANK +.00000 +.00000

TIME 40. 30.

PEAK 9827. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0260 1.0307

09:01 05/25/98

ID CODE C00000018 WT1.0040 CAL#1  
 CARBON 0.8155% SULFUR .00006%  
 OXYGEN FLOW 3.331

-C- -S-

BLANK +.00000 +.00000

TIME 40. 30.

PEAK 9734. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0267 1.0323

09:13 05/25/98

ID CODE C00000019 WT0.1030 CAL#1  
 CARBON 12.03% SULFUR .00000%  
 OXYGEN FLOW 3.339

-C- -S-

CaCO<sub>3</sub> BLANK +.00000 +.00000

TIME 40. 30.

PEAK 15371. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0284 1.0331

09:15 05/25/98

ID CODE C00000020 WT0.1010 CAL#1  
 CARBON 6.417% SULFUR .00009%  
 OXYGEN FLOW 3.336

-C- -S-

4237-1 BLANK +.00000 +.00000

TIME 40. 30.

PEAK 7668. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0279 1.0326

09:16 05/25/98

ID CODE C00000021 WT0.1000 CAL#1  
 CARBON 5.790% SULFUR .00018%  
 OXYGEN FLOW 3.333

-C- -S-

BLANK +.00000 +.00000

TIME 40. 30.

PEAK 7311. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0274 1.0321

09:18 05/25/98

ID CODE C00000022 WT0.1000 CAL#1  
 CARBON 5.357% SULFUR .00049%  
 OXYGEN FLOW 3.329

-C- -S-

BLANK +.00000 +.00000

TIME 40. 30.

PEAK 6585. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0267 1.0314

09:19 05/25/98

ID CODE C00000023 WT0.1000 CAL#1  
 CARBON 5.420% SULFUR .00035%  
 OXYGEN FLOW 3.329

-C- -S-

BLANK +.00000 +.00000

TIME 40. 30.

PEAK 6150. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0272 1.0314

09:20 05/25/98

ID CODE C00000024 WT0.1000 CAL#1  
 CARBON 5.122% SULFUR .00053%  
 OXYGEN FLOW 3.328

-C- -S-

BLANK +.00000 +.00000

TIME 40. 30.

PEAK 5707. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0270 1.0312

09:22 05/25/98

ID CODE C00000025 WT0.0990 CAL#1  
 CARBON 6.075% SULFUR .00051%  
 OXYGEN FLOW 3.328

-C- -S-

145 BLANK +.00000 +.00000

TIME 40. 30.

PEAK 6969. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0270 1.0312

09:23 05/25/98

ID CODE C00000026 MT0.1000 CAL#1  
 CARBON 6.565% SULFUR .00039%  
 OXYGEN FLOW 3.326

-C- -S-

BLANK +.00000 +.00000

TIME 40. 30.

PEAK 7445. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0267 1.0309

\*\*\* CLEANING TIME \*\*\*

09:24 05/25/98

ID CODE C00000027 MT0.1010 CAL#1  
 CARBON 6.567% SULFUR .00078%  
 OXYGEN FLOW 3.326

-C- -S-

BLANK +.00000 +.00000

TIME 40. 30.

PEAK 7423. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0265 1.0309

09:26 05/25/98

ID CODE C00000028 MT0.0990 CAL#1  
 CARBON 6.234% SULFUR .00031%  
 OXYGEN FLOW 3.329

-C- -S-

BLANK +.00000 +.00000

TIME 40. 30.

PEAK 7593. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0256 1.0303

09:27 05/25/98

ID CODE C00000029 MT0.1000 CAL#1  
 CARBON 7.377% SULFUR .00020%  
 OXYGEN FLOW 3.324

-C- -S-

BLANK +.00000 +.00000

TIME 40. 30.

PEAK 8296. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0258 1.0305

09:28 05/25/98

ID CODE C00000030 MT0.0990 CAL#1  
 CARBON 6.833% SULFUR .00009%  
 OXYGEN FLOW 3.324

-C- -S-

BLANK +.00000 +.00000

TIME 40. 30.

PEAK 6976. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0258 1.0305

09:30 05/25/98

ID CODE C00000031 MT1.0030 CAL#1  
 CARBON 0.8133% SULFUR .00007%  
 OXYGEN FLOW 3.324

-C- -S-

BLANK +.00000 +.00000

TIME 40. 30.

PEAK 10047. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0258 1.0305

09:41 05/25/98

ID CODE C00000032 MT0.0980 CAL#1  
 CARBON 11.91% SULFUR .00054%  
 OXYGEN FLOW 3.340

-C- -S-

BLANK +.00000 +.00000

TIME 40. 30.

PEAK 13090. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0286 1.0333

09:43 05/25/98

ID CODE C00000033 MT0.1000 CAL#1  
 CARBON 6.362% SULFUR .00055%  
 OXYGEN FLOW 3.332

-C- -S-

BLANK +.00000 +.00000

TIME 40. 30.

PEAK 7433. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0272 1.0319

09:44 05/25/98

ID CODE C00000034 MT0.1010 CAL#1  
 CARBON 7.250% SULFUR .00050%  
 OXYGEN FLOW 3.329

-C- -S-

BLANK +.00000 +.00000

TIME 40. 30.

PEAK 8948. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0270 1.0314

09:45 05/25/98

ID CODE C00000035 MT0.1000 CAL#1  
 CARBON 5.298% SULFUR .00061%  
 OXYGEN FLOW 3.327

-C- -S-

BLANK +.00000 +.00000

TIME 40. 30.

PEAK 6487. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0269 1.0310

09:47 05/25/98

ID CODE C00000036 MT0.1000 CAL#1  
 CARBON 0.397% SULFUR .00045%  
 OXYGEN FLOW 3.327

-C- -S-

BLANK +.00000 +.00000

TIME 40. 30.

PEAK 9171. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0269 1.0310

09:48 05/25/98

ID CODE C00000037 MT0.1000 CAL#1  
 CARBON 8.320% SULFUR .00046%  
 OXYGEN FLOW 3.328

-C- -S-

BLANK +.00000 +.00000

TIME 40. 30.

PEAK 10974. 0.

CALIB. 0.5972 0.8981

K FAC. 1.0270 1.0312

153

CaCO<sub>3</sub>

163

4237-1

0-1

173

203

183

213

193

223

Std

0.818

233



09:49 05/25/98  
 ID CODE C00000033 WTD.1000 CAL#1  
 CARBON 6.416% SULFUR .00053%  
 OXYGEN FLOW 3.325  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 7458. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0266 1.0307

243

09:51 05/25/98  
 ID CODE C00000039 WTD.0999 CAL#1  
 CARBON 5.628% SULFUR .00063%  
 OXYGEN FLOW 3.327  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 10369. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0269 1.0310

253

09:52 05/25/98  
 ID CODE C00000040 WTD.1000 CAL#1  
 CARBON 6.411% SULFUR .00089%  
 OXYGEN FLOW 3.323  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 6616. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0262 1.0303

263

09:53 05/25/98  
 ID CODE C00000041 WTD.1010 CAL#1  
 CARBON 4.946% SULFUR .00048%  
 OXYGEN FLOW 3.323  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 6266. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0259 1.0303

273

09:55 05/25/98  
 ID CODE C00000042 WTD.1010 CAL#1  
 CARBON 5.266% SULFUR .00062%  
 OXYGEN FLOW 3.323  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 6801. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0256 1.0303

283

09:56 05/25/98  
 ID CODE C00000043 WTD.1000 CAL#1  
 CARBON 4.576% SULFUR .00039%  
 OXYGEN FLOW 3.322  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 5312. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0253 1.0307

293

09:57 05/25/98  
 ID CODE C00000044 WTD.0840 CAL#1  
 CARBON 0.0095% SULFUR .00006%  
 OXYGEN FLOW 3.321  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 10367. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0258 1.0300

SH  
0.818

09:59 05/25/98  
 ID CODE C00000045 WTD.0840 CAL#1  
 CARBON 0.7990% SULFUR .00095%  
 OXYGEN FLOW 3.324  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 8828. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0264 1.0305

1

10:02 05/25/98  
 ID CODE C00000046 WTD.0010 CAL#1  
 CARBON 0.8174% SULFUR .00004%  
 OXYGEN FLOW 3.328  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 9666. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0270 1.0312

2

10:04 05/25/98  
 ID CODE C00000047 WTD.0030 CAL#1  
 CARBON 0.0106% SULFUR .00003%  
 OXYGEN FLOW 3.322  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 10219. 0.  
 CALIB. 0.5972 0.8981  
 K FAC. 1.0260 1.0302

3

10:05 05/25/98  
 ID CODE C00000048 WTD.0090 CAL#1  
 CARBON 0.0015% SULFUR .00000%  
 OXYGEN FLOW 3.320  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 9177. 0.

4

10:06 05/25/98  
 ID CODE C00000049 WTD.0000 CAL#1  
 CARBON 0.0000% SULFUR .00000%  
 OXYGEN FLOW 3.320  
 -C- -S-  
 BLANK +.00000 +.00000  
 TIME 40. 30.  
 PEAK 9177. 0.

5