

AMBIENT MONITOR

08:35 04/17/98

O2 FLOW	L/MIN	.004
C. CELL TMP.	C	48.2
S. CELL TMP.	C	48.2
OVEN TMP.	C	46.8
CAT. HTR. TMP.	C	342.1
5 REFF.		5.00
5 VOLT	+	5.00
24 VOLT	+	23.98
30 VOLT	+	29.99
15 VOLT	+/-	14.99
C. EMITR.		5.50
S. EMITR.		5.50
C. IR CELL		8.155
S. IR CELL		8.511

08:39 04/17/98

ID CODE C00000001 WTD.1000 CAL#1
 CARBON 11.75% SULFUR .00067%
 OXYGEN FLOW 3.357

LaO3

BLANK	+.00000	+.00000
TIME	40.	30.
PEAK	13779.	0.
CALIB.	0.6020	0.8981
K FAC.	1.0288	1.0363

08:40 04/17/98

ID CODE C00000002 WTD.1000 CAL#1
 CARBON 11.83% SULFUR .00027%
 OXYGEN FLOW 3.350

LaO3

BLANK	+.00000	+.00000
TIME	40.	30.
PEAK	14266.	0.
CALIB.	0.6020	0.8981
K FAC.	1.0273	1.0356

08:42 04/17/98

ID CODE C00000003 WTD.1000 CAL#1
 CARBON 12.06% SULFUR .00076%
 OXYGEN FLOW 3.347

LaO3

BLANK	+.00000	+.00000
TIME	40.	30.
PEAK	15449.	0.
CALIB.	0.6020	0.8981
K FAC.	1.0266	1.0352

08:43 04/17/98
 ID CODE C00000004 WTD.0070 CAL#1
 CARBON 0.8099% SULFUR .00004%
 OXYGEN FLOW 3.340

0.818

Std

BLANK	+.00000	+.00000
TIME	40.	30.
PEAK	6723.	0.
CALIB.	0.6020	0.8981
K FAC.	1.0253	1.0333

08:44 04/17/98
 ID CODE C00000005 WTD.0040 CAL#1
 CARBON 0.8141% SULFUR .00007%
 OXYGEN FLOW 3.338

0.818

Std

BLANK	+.00000	+.00000
TIME	40.	30.
PEAK	6894.	0.
CALIB.	0.6020	0.8981
K FAC.	1.0249	1.0330

08:45 04/17/98
 ID CODE C00000006 WTD.0010 CAL#1
 CARBON 0.8226% SULFUR .00002%
 OXYGEN FLOW 3.337

0.818

Std

BLANK	+.00000	+.00000
TIME	40.	30.
PEAK	8683.	0.
CALIB.	0.6020	0.8981
K FAC.	1.0247	1.0328

*** CLEANING TIME ***

08:47 04/17/98
 ID CODE C00000007 WTD.0040 CAL#1
 CARBON 0.8077% SULFUR .00006%
 OXYGEN FLOW 3.335

0.818

Std

BLANK	+.00000	+.00000
TIME	40.	30.
PEAK	7288.	0.
CALIB.	0.6020	0.8981
K FAC.	1.0246	1.0324

08:48 04/17/98
 ID CODE C00000008 WTD.9990 CAL#1
 CARBON 0.8126% SULFUR .00006%
 OXYGEN FLOW 3.336

0.818

Std

BLANK	+.00000	+.00000
TIME	40.	30.
PEAK	8711.	0.
CALIB.	0.6020	0.8981
K FAC.	1.0251	1.0331

*** STACK CALIBRATION ***

ID CODE	WEIGHT	CARBON%	SULFUR%
C00000002	0.9900	0.8126	.00006
C00000007	1.0040	0.8077	.00006
C00000006	1.0010	0.8226	.00002
C00000005	1.0040	0.8141	.00007
C00000004	1.0070	0.8099	.00004
C00000003	0.1000	12.06	.00076
C00000002	0.1000	11.83	.00027
C00000001	0.1000	11.75	.00067
C00000000	0.0500	3.821	.00090
C00000000	0.1010	11.64	.00055

*** OUT-SEQ BEGUN ***

09:00 04/17/98

ID CODE C00000015 WTA.0030 CFL#1
 CARBON 0.5121% SULFUR .00005%
 OXYGEN FLOW 3.336

-C- -S-

0.818 BLANK +.00000 +.00000
 TIME 40. 30.
 STD PEAK 8685. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0251 1.0326

*** OUT-SEQ BEGUN ***

09:02 04/17/98

ID CODE C00000017 WTA.0010 CFL#1
 CARBON 0.5217% SULFUR .00006%
 OXYGEN FLOW 3.335

-C- -S-

0.818 BLANK +.00000 +.00000
 TIME 40. 30.
 STD PEAK 8789. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0249 1.0330

09:03 04/17/98

ID CODE C00000019 WTA.0920 CFL#1
 CARBON 11.94% SULFUR .00100%
 OXYGEN FLOW 3.334

-C- -S-

CaO₃ BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 13090. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0247 1.0328

09:05 04/17/98

ID CODE C00000011 WTA.0520 CFL#1
 CARBON 3.785% SULFUR .00117%
 OXYGEN FLOW 3.333

-C- -S-

WST BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2335. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0246 1.0327

09:06 04/17/98

ID CODE C00000018 WTA.1000 CFL#1
 CARBON 0.3536% SULFUR .00035%
 OXYGEN FLOW 3.334

-C- -S-

58 Ad BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 649. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0247 1.0328

09:08 04/17/98

ID CODE C00000019 WTA.1000 CFL#1
 CARBON 0.2342% SULFUR .00061%
 OXYGEN FLOW 3.332

-C- -S-

603 BLANK +.00000 +.00000
 TIME 51. 30.
 PEAK 106. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0241 1.0325

09:09 04/17/98

ID CODE C00000020 WTA.1000 CFL#1
 CARBON 0.3449% SULFUR .00026%
 OXYGEN FLOW 3.330

-C- -S-

608 BLANK +.00000 +.00000
 TIME 43. 30.
 PEAK 236. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0235 1.0316

09:11 04/17/98

ID CODE C00000021 WTA.1000 CFL#1
 CARBON 0.2561% SULFUR .00030%
 OXYGEN FLOW 3.330

-C- -S-

613 BLANK +.00000 +.00000
 TIME 50. 30.
 PEAK 228. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0321

09:12 04/17/98

ID CODE C00000022 WTA.1000 CFL#1
 CARBON 3.2670% SULFUR .00050%
 OXYGEN FLOW 3.330

-C- -S-

618 BLANK +.00000 +.00000
 TIME 53. 30.
 PEAK 228. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0240 1.0316

09:14 04/17/98

ID CODE C00000023 WTA.1000 CFL#1
 CARBON 0.2411% SULFUR .00027%
 OXYGEN FLOW 3.329

-C- -S-

623 BLANK +.00000 +.00000
 TIME 50. 30.
 PEAK 228. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0239 1.0314

09:15 04/17/98

ID CODE C00000024 WTA.1000 CFL#1
 CARBON 0.2792% SULFUR .00060%
 OXYGEN FLOW 3.329

-C- -S-

628 BLANK +.00000 +.00000
 TIME 41. 30.
 PEAK 280. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0242 1.0314

09:17 04/17/98

ID CODE C00000025 WTA.1000 CFL#1
 CARBON 0.3447% SULFUR .00062%
 OXYGEN FLOW 3.328

-C- -S-

633 BLANK +.00000 +.00000
 TIME 47. 30.
 PEAK 312. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0240 1.0317

CARBON STD % 80.8188
 OLD C-CAL -1- 0.6028
 INCLUDE CARBON
 C00000008 0.8126
 C00000007 0.8077
 C00000006 0.8226
 C00000005 0.8141
 C00000004 0.8099
 NEW C-CAL -1- 0.6054

08:49 04/17/98

ID CODE	WEIGHT	CARBON%	SULFUR%
C00000008	0.9990	0.8172	.00006
C00000007	1.0040	0.8123	.00006
C00000006	1.0010	0.8273	.00002
C00000005	1.0040	0.8187	.00007
C00000004	1.0070	0.8145	.00004
C00000003	0.1000	12.13	.00076
C00000002	0.1000	11.90	.00027
C00000001	0.1000	11.81	.00067
C00000000	0.0500	3.843	.00090
C00000009	0.1010	11.70	.00055

*** END CALIBRATION ***

08:51 04/17/98

ID CODE C00000009 UT1.0010 CAL#1
 CARBON 0.8252% SULFUR .00002%
 OXYGEN FLOW 3.339
 -C- -S-
 BLANK +.00000 +.00000
 TIME 30. 30.
 PEAK 9306. 0.
 CALIB. 0.6054 0.8981
 K FAC. 1.0257 1.0331

0,818

Std

*** OUT-SEQ BEGIN ***

08:52 04/17/98

ID CODE C00000012 UT0.9970 CAL#1
 CARBON 0.8288% SULFUR .00004%
 OXYGEN FLOW 3.338
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8964. 0.
 CALIB. 0.6054 0.8981
 K FAC. 1.0255 1.0336

0,818

Std

*** OUT-SEQ BEGIN ***

08:54 04/17/98

ID CODE C00000013 UT1.0030 CAL#1
 CARBON 0.8262% SULFUR .00006%
 OXYGEN FLOW 3.338
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10320. 0.
 CALIB. 0.6054 0.8981
 K FAC. 1.0251 1.0330

0,818

Std

*** OUT-SEQ BEGIN ***

08:56 04/17/98

ID CODE C00000014 UT1.0090 CAL#1
 CARBON 0.8162% SULFUR .00001%
 OXYGEN FLOW 3.336
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9736. 0.
 CALIB. 0.6054 0.8981
 K FAC. 1.0245 1.0331

0,818

Std

*** OUT-SEQ BEGIN ***

08:58 04/17/98

ID CODE C00000015 UT1.0020 CAL#1
 CARBON 0.8190% SULFUR .00006%
 OXYGEN FLOW 3.335
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9876. 0.
 CALIB. 0.6054 0.8981
 K FAC. 1.0244 1.0324

0,818

Std

*** STACK CALIBRATION ***

08:58 04/17/98

ID CODE	WEIGHT	CARBON%	SULFUR%
C00000015	1.0020	0.8180	.00006
C00000014	1.0090	0.8196	.00001
C00000013	1.0030	0.8262	.00006
C00000012	0.9970	0.8238	.00004
C00000009	1.0010	0.8252	.00002
C00000008	0.9990	0.8172	.00006
C00000007	1.0040	0.8123	.00006
C00000006	1.0010	0.8273	.00002
C00000005	1.0040	0.8187	.00007
C00000004	1.0070	0.8145	.00004

CARBON STD % 80.8188

OLD C-CAL -1- 0.6054

INCLUDE CARBON

C00000015 0.8188

C00000014 0.8196

C00000013 0.8262

C00000012 0.8238

C00000009 0.8252

NEW C-CAL -1- 0.6021

08:59 04/17/98

ID CODE	WEIGHT	CARBON%	SULFUR%
C00000015	1.0020	0.8135	.00006
C00000014	1.0070	0.8151	.00001
C00000013	1.0030	0.8216	.00006
C00000012	0.9970	0.8192	.00004
C00000009	1.0010	0.8207	.00002
C00000008	0.9990	0.8126	.00006
C00000007	1.0040	0.8078	.00006
C00000006	1.0010	0.8227	.00002
C00000005	1.0040	0.8142	.00007
C00000004	1.0070	0.8100	.00004

*** END CALIBRATION ***

09:37 04/17/98
 ID CODE C00000035 WTA.1000 CAL#1
 CARBON 0.2329% SULFUR .00020%
 OXYGEN FLOW 3.328
 -C- -S-

663

BLANK +.00000 +.00000
 TIME 51. 30.
 PEAK 212. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0312

09:39 04/17/98
 ID CODE C00000037 WTA.1000 CAL#1
 CARBON 0.2496% SULFUR .00052%
 OXYGEN FLOW 3.326
 -C- -S-

668

BLANK +.00000 +.00000
 TIME 51. 30.
 PEAK 232. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0309

09:40 04/17/98
 ID CODE C00000038 WTA.1000 CAL#1
 CARBON 0.3326% SULFUR .00033%
 OXYGEN FLOW 3.326
 -C- -S-

673

BLANK +.00000 +.00000
 TIME 41. 30.
 PEAK 368. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0314

09:42 04/17/98
 ID CODE C00000039 WTA.1000 CAL#1
 CARBON 0.4027% SULFUR .00029%
 OXYGEN FLOW 3.331
 -C- -S-

678

BLANK +.00000 +.00000
 TIME 49. 30.
 PEAK 494. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0242 1.0317

09:43 04/17/98
 ID CODE C00000040 WTA.1000 CAL#1
 CARBON 0.5925% SULFUR .00014%
 OXYGEN FLOW 3.327
 -C- -S-

683

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 656. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0235 1.0316

09:45 04/17/98
 ID CODE C00000041 WTA.1000 CAL#1
 CARBON 0.4957% SULFUR .00015%
 OXYGEN FLOW 3.326
 -C- -S-

688

BLANK +.00000 +.00000
 TIME 45. 30.
 PEAK 494. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0231 1.0309

09:46 04/17/98
 ID CODE C00000042 WTA.1000 CAL#1
 CARBON 0.4137% SULFUR .00068%
 OXYGEN FLOW 3.326
 -C- -S-

693

BLANK +.00000 +.00000
 TIME 50. 30.
 PEAK 376. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0228 1.0309

09:47 04/17/98
 ID CODE C00000043 WTA.1000 CAL#1
 CARBON 0.4360% SULFUR .00053%
 OXYGEN FLOW 3.326
 -C- -S-

698

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 456. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0228 1.0309

09:49 04/17/98
 ID CODE C00000044 WTA.1000 CAL#1
 CARBON 0.3425% SULFUR .00044%
 OXYGEN FLOW 3.326
 -C- -S-

58 std

BLANK +.00000 +.00000
 TIME 48. 30.
 PEAK 488. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0234 1.0314

*** CLEANING TIME ***
 09:50 04/17/98
 ID CODE C00000047 WTA.0980 CAL#1
 CARBON 0.8187% SULFUR .00001%
 OXYGEN FLOW 3.324
 -C- -S-

0.818

BLANK +.00000 +.00000
 TIME 49. 30.
 PEAK 8480. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0230 1.0305

std

09:52 04/17/98
 ID CODE C00000048 WTA.1020 CAL#1
 CARBON 0.8191% SULFUR .00006%
 OXYGEN FLOW 3.321
 -C- -S-

0.818

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7298. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0225 1.0300

std

09:53 04/17/98
 ID CODE C00000049 WTA.1000 CAL#1
 CARBON 11.91% SULFUR .0006%
 OXYGEN FLOW 3.327
 -C- -S-

CalO3

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 14976. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0235 1.0316

09:18 04/17/98

ID CODE C00000026 WT0.1000 CAL#1
 CARBON 0.3267% SULFUR .00032%
 OXYGEN FLOW 3.328

638

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 304. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0312
 *** CLEANING TIME ***

09:20 04/17/98

ID CODE C00000027 WT0.1000 CAL#1
 CARBON 0.2714% SULFUR .00042%
 OXYGEN FLOW 3.330

643

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 280. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0316

09:21 04/17/98

ID CODE C00000028 WT0.1000 CAL#1
 CARBON 0.3552% SULFUR .00064%
 OXYGEN FLOW 3.328

648

-C- -S-
 BLANK +.00000 +.00000
 TIME 41. 30.
 PEAK 258. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0231 1.0312

09:23 04/17/98

ID CODE C00000029 WT0.1000 CAL#1
 CARBON 0.5552% SULFUR .00037%
 OXYGEN FLOW 3.326

58 Std

-C- -S-
 BLANK +.00000 +.00000
 TIME 50. 30.
 PEAK 487. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0231 1.0314

09:24 04/17/98

ID CODE C00000030 WT1.0040 CAL#1
 CARBON 0.8232% SULFUR .00002%
 OXYGEN FLOW 3.327

0.818
Std

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9834. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0235 1.0316

09:25 04/17/98

ID CODE C00000031 WT1.0010 CAL#1
 CARBON 0.8232% SULFUR .00002%
 OXYGEN FLOW 3.328

0.818
Std

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9526. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0317

09:27 04/17/98

ID CODE C00000032 WT0.0900 CAL#1
 CARBON 12.14% SULFUR .00007%
 OXYGEN FLOW 3.330

CuO₃

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 17677. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0240 1.0316

09:28 04/17/98

ID CODE C00000033 WT0.0520 CAL#1
 CARBON 3.730% SULFUR .00000%
 OXYGEN FLOW 3.328

WST

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2375. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0240 1.0312
 *** OUT-SEE BEGUN ***

09:30 04/17/98

ID CODE C00000045 WT0.0500 CAL#1
 CARBON 3.711% SULFUR .00099%
 OXYGEN FLOW 3.333

WST

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2126. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0246 1.0321
 *** OUT-SEE BEGUN ***

09:33 04/17/98

ID CODE C00000046 WT0.1000 CAL#1
 CARBON 7.117% SULFUR .00000%
 OXYGEN FLOW 3.324

303

Std

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8431. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0242 1.0322

09:34 04/17/98

ID CODE C00000034 WT0.1000 CAL#1
 CARBON 0.2601% SULFUR .00008%
 OXYGEN FLOW 3.331

653

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 260. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0317

09:36 04/17/98

ID CODE C00000035 WT0.1000 CAL#1
 CARBON 0.2244% SULFUR .00005%
 OXYGEN FLOW 3.330

658

-C- -S-
 BLANK +.00000 +.00000
 TIME 52. 30.
 PEAK 176. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0235 1.0316

10:13 04/17/98
 ID CODE C00000061 WTA.1000 CAL#1
 CARBON 0.1836% SULFUR .00007%
 OXYGEN FLOW 3.328

748

-C- -S-
 BLANK +.00000 +.00000
 TIME 41. 30.
 PEAK 190. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0220 1.0309

10:15 04/17/98
 ID CODE C00000062 WTA.1000 CAL#1
 CARBON 0.7652% SULFUR .00003%
 OXYGEN FLOW 3.324

58 std

-C- -S-
 BLANK +.00000 +.00000
 TIME 48. 30.
 PEAK 540. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0230 1.0311

10:16 04/17/98
 ID CODE C00000064 WTL.0000 CAL#1
 CARBON 0.8269% SULFUR .00000%
 OXYGEN FLOW 3.321

0.818

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9844. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0231 1.0300

std

*** OUT-SEQ BEGIN ***

10:18 04/17/98
 ID CODE C00000067 WTL.0050 CAL#1
 CARBON 0.8192% SULFUR .00003%
 OXYGEN FLOW 3.324

0.818

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9985. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0239 1.0311

std

10:19 04/17/98
 ID CODE C00000065 WTA.1010 CAL#1
 CARBON 11.44% SULFUR .00077%
 OXYGEN FLOW 3.326

lolO3

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 15278. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0243 1.0309

*** CLEANING TIME ***

10:20 04/17/98
 ID CODE C00000066 WTA.0510 CAL#1
 CARBON 3.703% SULFUR .00061%
 OXYGEN FLOW 3.324

WST

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 1987. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0236 1.0305

*** OUT-SEQ BEGIN ***
 10:23 04/17/98
 ID CODE C00000069 WTA.0500 CAL#1
 CARBON 3.798% SULFUR .00123%
 OXYGEN FLOW 3.326

WST

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 1891. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0234 1.0309

10:24 04/17/98
 ID CODE C00000068 WTA.1000 CAL#1
 CARBON 7.892% SULFUR .00255%
 OXYGEN FLOW 3.324

303

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7939. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0230 1.0305

10:28 04/17/98
 ID CODE C00000070 WTA.1000 CAL#1
 CARBON 0.1795% SULFUR -.00000%
 OXYGEN FLOW 3.333

753

-C- -S-
 BLANK +.00000 +.00000
 TIME 46. 30.
 PEAK 164. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0256 1.0321

10:30 04/17/98
 ID CODE C00000071 WTA.1000 CAL#1
 CARBON 0.1925% SULFUR .00027%
 OXYGEN FLOW 3.325

758

-C- -S-
 BLANK +.00000 +.00000
 TIME 51. 30.
 PEAK 152. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0244 1.0307

10:31 04/17/98
 ID CODE C00000072 WTA.1000 CAL#1
 CARBON 0.4182% SULFUR .00037%
 OXYGEN FLOW 3.326

MUC

1-2

-C- -S-
 BLANK +.00000 +.00000
 TIME 50. 30.
 PEAK 368. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0246 1.0314

10:33 04/17/98
 ID CODE C00000073 WTA.1000 CAL#1
 CARBON 0.3794% SULFUR .00037%
 OXYGEN FLOW 3.322

MUC

2-3

-C- -S-
 BLANK +.00000 +.00000
 TIME 60. 30.
 PEAK 268. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0239 1.0307

09:54 04/17/98
 ID CODE C00000050 WTA.0500 CAL#1
 CARBON 3.779% SULFUR .00157%
 OXYGEN FLOW 3.325

WST

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2161. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0232 1.0313

09:56 04/17/98
 ID CODE C00000051 WTA.1000 CAL#1
 CARBON 0.5990% SULFUR .00058%
 OXYGEN FLOW 3.326

58 Ad

-C- -S-
 BLANK +.00000 +.00000
 TIME 55. 30.
 PEAK 460. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0234 1.0314

*** OUT-SEE RESUN ***

09:58 04/17/98
 ID CODE C00000052 WTA.0900 CAL#1
 CARBON 7.126% SULFUR .00077%
 OXYGEN FLOW 3.330

303 Ad

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7494. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0316

10:00 04/17/98
 ID CODE C00000052 WTA.1000 CAL#1
 CARBON 0.4755% SULFUR .00032%
 OXYGEN FLOW 3.331

703

-C- -S-
 BLANK +.00000 +.00000
 TIME 47. 30.
 PEAK 428. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0242 1.0323

10:02 04/17/98
 ID CODE C00000053 WTA.1000 CAL#1
 CARBON 0.4047% SULFUR .00032%
 OXYGEN FLOW 3.326

708

-C- -S-
 BLANK +.00000 +.00000
 TIME 49. 30.
 PEAK 394. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0234 1.0309

10:03 04/17/98
 ID CODE C00000054 WTA.1000 CAL#1
 CARBON 0.4961% SULFUR .00041%
 OXYGEN FLOW 3.325

713

-C- -S-
 BLANK +.00000 +.00000
 TIME 41. 30.
 PEAK 544. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0235 1.0307

10:04 04/17/98
 ID CODE C00000055 WTA.1000 CAL#1
 CARBON 0.4406% SULFUR .00043%
 OXYGEN FLOW 3.326

718

-C- -S-
 BLANK +.00000 +.00000
 TIME 43. 30.
 PEAK 408. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0240 1.0309

10:06 04/17/98
 ID CODE C00000056 WTA.1000 CAL#1
 CARBON 0.4987% SULFUR .00046%
 OXYGEN FLOW 3.324

723

-C- -S-
 BLANK +.00000 +.00000
 TIME 44. 30.
 PEAK 448. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0236 1.0311

10:07 04/17/98
 ID CODE C00000057 WTA.1000 CAL#1
 CARBON 0.4119% SULFUR .00020%
 OXYGEN FLOW 3.324

728

-C- -S-
 BLANK +.00000 +.00000
 TIME 49. 30.
 PEAK 446. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0233 1.0305

10:08 04/17/98
 ID CODE C00000058 WTA.1000 CAL#1
 CARBON 0.4002% SULFUR .00038%
 OXYGEN FLOW 3.325

733

-C- -S-
 BLANK +.00000 +.00000
 TIME 41. 30.
 PEAK 488. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0235 1.0307

10:10 04/17/98
 ID CODE C00000059 WTA.1000 CAL#1
 CARBON 0.4329% SULFUR .00045%
 OXYGEN FLOW 3.322

738

-C- -S-
 BLANK +.00000 +.00000
 TIME 54. 30.
 PEAK 344. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0226 1.0307

10:11 04/17/98
 ID CODE C00000060 WTA.1000 CAL#1
 CARBON 0.3255% SULFUR .00023%
 OXYGEN FLOW 3.322

743

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 356. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0226 1.0302

10:54 04/17/98

ID CODE C00000085 WTO.1010 CAL#1
CARBON 7.942% SULFUR .00050%
OXYGEN FLOW 3.324

303

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 8508. 0.

Wd

CALIB. 0.6021 0.8981
K FAC. 1.0245 1.0305
*** CLEANING TIME ***

10:58 04/17/98

ID CODE C00000087 WTO.1000 CAL#1
CARBON 7.072% SULFUR .00051%
OXYGEN FLOW 3.328

303

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 7975. 0.

Std

CALIB. 0.6021 0.8981
K FAC. 1.0259 1.0312

11:01 04/17/98

ID CODE C00000088 WTO.0490 CAL#1
CARBON 5.822% SULFUR .00000%
OXYGEN FLOW 3.329

WST

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 2082. 451

CALIB. 0.6021 0.8981
K FAC. 1.0255 1.0314

AMBIENT MONITOR

09:58 04/20/98

O2 FLOW	L/MIN	.907
C. CELL TMP.	C	48.8
S. CELL TMP.	C	48.2
OVEN	THP.	47.9
CAT. WTR. TMP.	C	342.1
5 REFF.		5.00
5 VOLT	+	5.00
24 VOLT	+	23.98
30 VOLT	+	29.96
15 VOLT	+/-	14.99
C. EMTR.		5.50
S. EMTR.		5.50
C. IR CELL		8.111
S. IR CELL		8.509

10:20 04/20/98

ID CODE C00000089 WTO.1000 CAL#1
CARBON 12.84% SULFUR .00075%
OXYGEN FLOW 3.217

0.818

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 14241. 0.

Wd

CALIB. 0.6021 0.8981
K FAC. 1.0060 1.0121

10:01 04/20/98

ID CODE C00000090 WTO.1000 CAL#1
CARBON 12.42% SULFUR .00059%
OXYGEN FLOW 2.585

0.818

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 14767. 0.

Std

CALIB. 0.6021 0.8981
K FAC. 0.8947 0.8995

10:02 04/20/98

ID CODE C00000091 WTO.1010 CAL#1
CARBON 11.97% SULFUR .00000%
OXYGEN FLOW 3.092

0.818

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 13812. 0.

Std

CALIB. 0.6021 0.8981
K FAC. 0.9837 0.9899

10:35 04/17/98
 ID CODE C00000074 UTO.1000 CAL#1
 CARBON 0.3500% SULFUR .00042%
 OXYGEN FLOW 3.323
 Muc
 BLANK +.00000 +.00000
 TIME 51. 30.
 3-4 PEAK 304. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0303

10:36 04/17/98
 ID CODE C00000075 UTO.1000 CAL#1
 CARBON 0.2095% SULFUR .00007%
 OXYGEN FLOW 3.321
 Muc
 BLANK +.00000 +.00000
 TIME 57. 30.
 4-5 PEAK 255. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0234 1.0300

10:38 04/17/98
 ID CODE C00000076 UTO.1000 CAL#1
 CARBON 0.2367% SULFUR .00005%
 OXYGEN FLOW 3.321
 Muc
 BLANK +.00000 +.00000
 TIME 47. 30.
 (5-6) PEAK 194. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0231 1.0300

10:39 04/17/98
 ID CODE C00000077 UTO.1000 CAL#1
 CARBON 0.3173% SULFUR .00057%
 OXYGEN FLOW 3.322
 Muc
 BLANK +.00000 +.00000
 TIME 62. 30.
 6-7 PEAK 244. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0236 1.0302

10:41 04/17/98
 ID CODE C00000078 UTO.1000 CAL#1
 CARBON 0.3112% SULFUR .00041%
 OXYGEN FLOW 3.320
 Muc
 BLANK +.00000 +.00000
 TIME 59. 30.
 7-8 PEAK 216. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0235 1.0303

10:43 04/17/98
 ID CODE C00000079 UTO.1000 CAL#1
 CARBON 0.2604% SULFUR .00003%
 OXYGEN FLOW 3.317
 Muc
 BLANK +.00000 +.00000
 TIME 52. 30.
 8-9 PEAK 204. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0233 1.0292

10:44 04/17/98
 ID CODE C00000080 UTO.1000 CAL#1
 CARBON 0.5050% SULFUR .00017%
 OXYGEN FLOW 3.319
 58 Ad
 BLANK +.00000 +.00000
 TIME 53. 30.
 PEAK 494. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0296

10:45 04/17/98
 ID CODE C00000081 UTO.1010 CAL#1
 CARBON 0.8123% SULFUR .00003%
 OXYGEN FLOW 3.319
 0.818 Ad
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8643. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0302

10:47 04/17/98
 ID CODE C00000083 UTO.9900 CAL#1
 CARBON 0.0220% SULFUR .00000%
 OXYGEN FLOW 3.322
 0.818 Ad
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10410. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0242 1.0302

10:49 04/17/98
 ID CODE C00000082 UTO.1000 CAL#1
 CARBON 11.96% SULFUR .00093%
 OXYGEN FLOW 3.325
 CaCO3
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 15360. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0244 1.0313

10:50 04/17/98
 ID CODE C00000084 UTO.0510 CAL#1
 CARBON 3.690% SULFUR .00031%
 OXYGEN FLOW 3.324
 WST
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2262. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0239 1.0305

10:53 04/17/98
 ID CODE C00000086 UTO.0510 CAL#1
 CARBON 3.575% SULFUR .00071%
 OXYGEN FLOW 3.329
 WST
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2192. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0255 1.0314

10:17 04/20/98
 ID CODE C00000099 WT1.0050 CAL#1
 CARBON 0.8179% SULFUR .00003%
 OXYGEN FLOW 3.317
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10095. 0.
 CALIB. 0.5886 0.8981
 K FAC. 1.0233 1.0298

0.817

std

10:18 04/20/98
 ID CODE C00000000 WT1.0000 CAL#1
 CARBON 0.8147% SULFUR .00006%
 OXYGEN FLOW 3.314
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10037. 0.
 CALIB. 0.5886 0.8981
 K FAC. 1.0228 1.0292

0.818

std

10:19 04/20/98
 ID CODE C00000001 WT1.0020 CAL#1
 CARBON 0.8223% SULFUR .00003%
 OXYGEN FLOW 3.311
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10048. 0.
 CALIB. 0.5886 0.8981
 K FAC. 1.0223 1.0282

0.818

std

10:21 04/20/98
 ID CODE C00000002 WT1.0070 CAL#1
 CARBON 0.7988% SULFUR .00000%
 OXYGEN FLOW 3.310
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 6942. 0.
 CALIB. 0.5886 0.8981
 K FAC. 1.0218 1.0286

0.818

std

*** STACK CALIBRATION ***

10:21 04/20/98
 ID CODE WEIGHT CARBON% SULFUR%
 C00000002 1.0070 0.7988 .00000
 C00000001 1.0020 0.8223 .00003
 C00000000 1.0000 0.8147 .00006
 C00000099 1.0050 0.8179 .00003
 C00000098 1.0000 0.8191 .00003
 C00000097 1.0000 0.8045 .00004
 C00000096 1.0000 0.8076 .00007
 C00000095 0.9990 0.8199 .00004
 C00000094 1.0000 0.8252 .00002
 C00000093 1.0020 0.8203 .00005

CARBON STD.% 80.8180
 OLD C-CAL -1- 0.5886
 INCLUDE CARBON
 C00000001 0.8223
 C00000000 0.8147
 C00000099 0.8179
 C00000098 0.8191
 C00000097 0.8045
 NEW C-CAL -1- 0.5900

*** OUT-SEQ RESULT ***
 10:24 04/20/98
 ID CODE C00000006 WT0.9930 CAL#1
 CARBON 0.8133% SULFUR .00000%
 OXYGEN FLOW 3.319
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8971. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0237 1.0296

0.818

std

10:25 04/20/98
 ID CODE C00000003 WT0.1000 CAL#1
 CARBON 11.93% SULFUR .00050%
 OXYGEN FLOW 3.323
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 12418. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0247 1.0309

CoO3

10:27 04/20/98
 ID CODE C00000004 WT0.1000 CAL#1
 CARBON 7.046% SULFUR .00051%
 OXYGEN FLOW 3.313
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7898. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0233 1.0291

303 Ad

10:28 04/20/98
 ID CODE C00000005 WT0.0500 CAL#1
 CARBON 3.696% SULFUR .00071%
 OXYGEN FLOW 3.313
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 1979. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0233 1.0286

WST

*** CLEANING TIME ***

*** OUT-SEQ RESULT ***

10:31 04/20/98
 ID CODE C00000010 WT0.0520 CAL#1
 CARBON 3.759% SULFUR .00047%
 OXYGEN FLOW 3.310
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2096. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0224 1.0280

WST

10:32 04/20/98
 ID CODE C00000007 WT0.1000 CAL#1
 CARBON 6.974% SULFUR .00029%
 OXYGEN FLOW 3.297
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7049. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0198 1.0262

653

*** STACK CALIBRATION ***

10:04 04/20/98
 ID CODE C00000092 UT1.0040 CAL#1
 CARBON 0.8356% SULFUR .00000%
 OXYGEN FLOW 3.317

0.818

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10481. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0233 1.0292

std

10:05 04/20/98
 ID CODE C00000093 UT1.0020 CAL#1
 CARBON 0.8296% SULFUR .00005%
 OXYGEN FLOW 3.300

0.818

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9526. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0217 1.0276

std

10:06 04/20/98
 ID CODE C00000094 UT1.0000 CAL#1
 CARBON 0.8441% SULFUR .00002%
 OXYGEN FLOW 3.317

0.818

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 11059. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0230 1.0292

std

10:07 04/20/98
 ID CODE C00000095 UT0.9990 CAL#1
 CARBON 0.8386% SULFUR .00004%
 OXYGEN FLOW 3.317

0.818

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10725. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0230 1.0298

std

10:09 04/20/98
 ID CODE C00000096 UT1.0000 CAL#1
 CARBON 0.8268% SULFUR .00007%
 OXYGEN FLOW 3.316

0.818

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 6690. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0228 1.0296

std

ID CODE	WEIGHT	CARBON%	SULFUR%
C00000094	1.0000	0.8260	.00007
C00000095	0.9990	0.8386	.00004
C00000094	1.0000	0.8441	.00002
C00000093	1.0020	0.8390	.00005
C00000092	1.0040	0.8356	.00000
C00000091	0.1010	11.97	.00000
C00000099	0.1000	12.42	.00059
C00000099	0.1000	12.04	.00075
C00000098	0.0490	3.822	.00000
C00000097	0.1000	7.072	.00051

CARBON STD. % 80.8189
 OLD C-CAL -1- 0.6021
 INCLUDE CARBON
 C00000096 0.8260
 C00000095 0.8386
 C00000094 0.8441
 C00000093 0.8390
 C00000092 0.8356
 NEW C-CAL -1- 0.5886

10:10 04/20/98

ID CODE	WEIGHT	CARBON%	SULFUR%
C00000094	1.0000	0.8076	.00007
C00000095	0.9990	0.8199	.00004
C00000094	1.0000	0.8252	.00002
C00000093	1.0020	0.8203	.00005
C00000092	1.0040	0.8170	.00000
C00000091	0.1010	11.70	.00000
C00000099	0.1000	12.14	.00059
C00000099	0.1000	11.77	.00075
C00000098	0.0490	3.737	.00000
C00000097	0.1000	6.914	.00051

*** END CALIBRATION ***

10:14 04/20/98
 ID CODE C00000097 UT1.0000 CAL#1
 CARBON 0.8045% SULFUR .00004%
 OXYGEN FLOW 3.324

0.818

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 6788. 0.
 CALIB. 0.5886 0.8981
 K FAC. 1.0240 1.0305

std

10:15 04/20/98
 ID CODE C00000098 UT1.0000 CAL#1
 CARBON 0.8191% SULFUR .00003%
 OXYGEN FLOW 3.316

0.818

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9643. 0.
 CALIB. 0.5886 0.8981
 K FAC. 1.0234 1.0296

std

10:34 04/20/98
 ID CODE 00000008 Wt0.1000 CAL#1
 CARBON 7.336% SULFUR .00026%
 OXYGEN FLOW 3.313

658

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9389. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0226 1.0291

10:35 04/20/98
 ID CODE 00000009 Wt0.1010 CAL#1
 CARBON 7.265% SULFUR .00015%
 OXYGEN FLOW 3.298

663

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9497. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0200 1.0259

10:36 04/20/98
 ID CODE 00000011 Wt0.1000 CAL#1
 CARBON 7.282% SULFUR .00037%
 OXYGEN FLOW 3.304

668

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8631. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0211 1.0275

10:38 04/20/98
 ID CODE 00000012 Wt0.1010 CAL#1
 CARBON 6.527% SULFUR .00049%
 OXYGEN FLOW 3.293

673

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 5685. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0197 1.0255

10:39 04/20/98
 ID CODE 00000013 Wt0.1000 CAL#1
 CARBON 6.899% SULFUR .00042%
 OXYGEN FLOW 3.295

678

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7291. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0201 1.0253

10:40 04/20/98
 ID CODE 00000014 Wt0.1000 CAL#1
 CARBON 7.469% SULFUR .00041%
 OXYGEN FLOW 3.294

683

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7836. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0199 1.0257

10:42 04/20/98
 ID CODE 00000015 Wt0.1010 CAL#1
 CARBON 6.136% SULFUR .00052%
 OXYGEN FLOW 3.309

688

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9907. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0225 1.0278

10:44 04/20/98
 ID CODE 00000016 Wt0.1010 CAL#1
 CARBON 7.510% SULFUR .00045%
 OXYGEN FLOW 3.285

693

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8189. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0180 1.0242

10:45 04/20/98
 ID CODE 00000017 Wt0.1000 CAL#1
 CARBON 7.416% SULFUR .00050%
 OXYGEN FLOW 3.296

698

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7913. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0197 1.0255

10:46 04/20/98
 ID CODE 00000018 Wt1.0020 CAL#1
 CARBON 9.820% SULFUR .00006%
 OXYGEN FLOW 3.291

0.819

std

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9668. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0187 1.0247

10:50 04/20/98
 ID CODE 00000019 Wt0.1000 CAL#1
 CARBON 11.98% SULFUR .00007%
 OXYGEN FLOW 3.304

CalO3

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 15932. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0217 1.0270

10:52 04/20/98
 ID CODE 00000020 Wt0.1000 CAL#1
 CARBON 7.221% SULFUR .00029%
 OXYGEN FLOW 3.275

303 std

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7930. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0165 1.0218

10:53 04/20/98
 ID CODE C00000021 Wt0.0500 CAL#1
 CARBON 3.643% SULFUR .00079%
 OXYGEN FLOW 3.302
 WST
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 1856. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0216 1.0266

10:56 04/20/98
 ID CODE C00000022 Wt0.0510 CAL#1
 CARBON 3.815% SULFUR .00079%
 OXYGEN FLOW 3.291
 WST
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2142. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0193 1.0247

11:50 04/20/98
 ID CODE C00000023 Wt1.0000 CAL#1
 CARBON 0.8056% SULFUR .00003%
 OXYGEN FLOW 3.317
 C- S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10582. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0245 1.0292
 *** OUT-SEQ BEGUN ***

11:52 04/20/98
 ID CODE C00000033 Wt1.0020 CAL#1
 CARBON 0.8142% SULFUR .00006%
 OXYGEN FLOW 3.304
 C- S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9785. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0217 1.0275

11:53 04/20/98
 ID CODE C00000024 Wt0.0990 CAL#1
 CARBON 11.91% SULFUR .00061%
 OXYGEN FLOW 3.308
 C- S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 15357. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0226 1.0276

11:55 04/20/98
 ID CODE C00000025 Wt0.1000 CAL#1
 CARBON 7.862% SULFUR .00007%
 OXYGEN FLOW 3.291
 C- S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7979. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0197 1.0247
 *** CLEANING TIME ***

11:58 04/20/98
 ID CODE C00000024 Wt0.1000 CAL#1
 CARBON 7.054% SULFUR .00000%
 OXYGEN FLOW 3.292
 C- S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7881. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0202 1.0248

11:59 04/20/98
 ID CODE C00000026 Wt0.0510 CAL#1
 CARBON 3.514% SULFUR .00017%
 OXYGEN FLOW 3.307
 C- S-
 WST
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 1912. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0228 1.0275

12:01 04/20/98
 ID CODE C00000025 Wt0.0500 CAL#1
 CARBON 3.755% SULFUR .00042%
 OXYGEN FLOW 3.302
 C- S-
 WST
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2111. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0219 1.0266

12:03 04/20/98
 ID CODE C00000027 Wt0.1000 CAL#1
 CARBON 7.254% SULFUR .00055%
 OXYGEN FLOW 3.268
 C- S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 6592. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0159 1.0206

12:04 04/20/98
 ID CODE C00000028 Wt0.1000 CAL#1
 CARBON 5.801% SULFUR .00053%
 OXYGEN FLOW 3.283
 C- S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 6216. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0182 1.0233

12:05 04/20/98
 ID CODE C00000029 Wt0.1000 CAL#1
 CARBON 9.507% SULFUR .00050%
 OXYGEN FLOW 3.295
 C- S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8977. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0201 1.0253

0.818 Ad

0.818 Ad

6.03

3.01 v 58 ?

303 Ad

WST

WST

703

708

773

12:07 04/20/98
 ID CODE C00000030 WTA.0990 CAL#1
 CARBON 7.217% SULFUR .00050%
 OXYGEN FLOW 3.286
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7414. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0184 1.0243

718

12:08 04/20/98
 ID CODE C00000031 WTA.1010 CAL#1
 CARBON 7.260% SULFUR .00041%
 OXYGEN FLOW 3.291
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7991. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0197 1.0252

723

12:09 04/20/98
 ID CODE C00000032 WTA.1010 CAL#1
 CARBON 6.406% SULFUR .00007%
 OXYGEN FLOW 3.285
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7233. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0189 1.0242

728

12:11 04/20/98
 ID CODE C00000033 WTA.1000 CAL#1
 CARBON 7.015% SULFUR .00007%
 OXYGEN FLOW 3.304
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7224. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0223 1.0275

733

12:12 04/20/98
 ID CODE C00000037 WTA.1000 CAL#1
 CARBON 7.057% SULFUR .00040%
 OXYGEN FLOW 3.306
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8590. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0226 1.0279

738

12:13 04/20/98
 ID CODE C00000038 WTA.1000 CAL#1
 CARBON 6.858% SULFUR .00051%
 OXYGEN FLOW 3.306
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7176. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0226 1.0273

743

12:15 04/20/98
 ID CODE C00000039 WTA.1000 CAL#1
 CARBON 6.877% SULFUR .00033%
 OXYGEN FLOW 3.304
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7041. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0223 1.0270

748

12:16 04/20/98
 ID CODE C00000040 WTA.1000 CAL#1
 CARBON 7.193% SULFUR .00007%
 OXYGEN FLOW 3.299
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7456. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0214 1.0267

753

12:17 04/20/98
 ID CODE C00000041 WTA.0940 CAL#1
 CARBON 0.7047% SULFUR .00002%
 OXYGEN FLOW 3.309
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8021. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0228 1.0278

758

12:19 04/20/98
 ID CODE C00000042 WTA.1000 CAL#1
 CARBON 8.198% SULFUR .00028%
 OXYGEN FLOW 3.299
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10351. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0208 1.0267

Jals
Ad x0.1

12:21 04/20/98
 ID CODE C00000045 WTA.0010 CAL#1
 CARBON 0.8116% SULFUR .00004%
 OXYGEN FLOW 3.306
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10425. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0223 1.0273

0.818

Ad

12:23 04/20/98
 ID CODE C00000046 WTA.0980 CAL#1
 CARBON 0.8111% SULFUR .00004%
 OXYGEN FLOW 3.309
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10769. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0231 1.0278

Ad

12:24 04/20/98
 ID CODE C00000043 MT0.1010 CAL#1
 CARBON 11.25% SULFUR .00044%
 OXYGEN FLOW 3.314
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 14915. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0240 1.0287

CaO₃

12:26 04/20/98
 ID CODE C00000044 MT0.9510 CAL#1
 CARBON 13.76% SULFUR .00016%
 OXYGEN FLOW 3.309
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7663. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0231 1.0284
 *** CLEANING TIME ***

2x303 SW

12:29 04/20/98
 ID CODE C00000047 MT0.1000 CAL#1
 CARBON 5.982% SULFUR .00042%
 OXYGEN FLOW 3.310
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7449. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0233 1.0286

303 Std

12:33 04/20/98
 ID CODE C00000048 MT0.0500 CAL#1
 CARBON 3.752% SULFUR .00000%
 OXYGEN FLOW 3.318
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2265. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0241 1.0204

WST

12:36 04/20/98
 ID CODE C00000049 MT1.0040 CAL#1
 CARBON 0.8150% SULFUR .00004%
 OXYGEN FLOW 3.309
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9927. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0231 1.0284

0.818 Std

AMBIENT MONITOR

13:53 04/21/98

O2 FLOW L/MIN .005
 C. CELL TMP. C 49.0
 S. CELL TMP. C 48.2
 OVEN TMP. C 49.2
 CAT. HTR. TMP. C 342.4
 5 REFF. 5.00
 5 VOLT + 5.00
 24 VOLT + 23.98
 30 VOLT + 29.99
 15 VOLT +/- 14.99
 C. EHTR. 5.50
 S. EHTR. 5.50
 C. IR CELL. 8.276
 S. IR CELL. 8.510

13:54 04/21/98

13:54 04/21/98
 ID CODE C00000050 MT0.1000 CAL#1
 CARBON 11.80% SULFUR .00040%
 OXYGEN FLOW 3.345
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 13923. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0289 1.0348

CaO₃

13:55 04/21/98
 ID CODE C00000051 MT0.1000 CAL#1
 CARBON 11.95% SULFUR .00006%
 OXYGEN FLOW 3.338
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 13915. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0290 1.0330

CaO₃

13:57 04/21/98
 ID CODE C00000052 MT0.1000 CAL#1
 CARBON 12.17% SULFUR .00010%
 OXYGEN FLOW 3.336
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 15080. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0276 1.0326

CaO₃

13:58 04/21/98
 ID CODE C00000053 MT1.0050 CAL#1
 CARBON 0.8203% SULFUR .00002%
 OXYGEN FLOW 3.329
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 18017. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0264 1.0314

Long

MUC 4238-2

21.4.98

13:59 04/21/98
 ID CODE C00000054 UT1.0030 CAL#1
 CARBON 0.8227% SULFUR .00003%
 OXYGEN FLOW 3.327
 -C- -S-
 0.818 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10657. 0.
 Std CALIB. 0.5903 0.8981
 K FAC. 1.0257 1.0310

14:00 04/21/98
 ID CODE C00000055 UT1.0010 CAL#1
 CARBON 0.8222% SULFUR .00007%
 OXYGEN FLOW 3.325
 -C- -S-
 0.818 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10858. 0.
 Std CALIB. 0.5903 0.8981
 K FAC. 1.0254 1.0307

14:02 04/21/98
 ID CODE C00000056 UT1.0040 CAL#1
 CARBON 0.8133% SULFUR .00002%
 OXYGEN FLOW 3.324
 -C- -S-
 0.818 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8711. 0.
 Std CALIB. 0.5903 0.8981
 K FAC. 1.0248 1.0305

14:03 04/21/98
 ID CODE C00000057 UT1.0060 CAL#1
 CARBON 0.8136% SULFUR .00003%
 OXYGEN FLOW 3.326
 -C- -S-
 0.818 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 6541. 0.
 Std CALIB. 0.5903 0.8981
 K FAC. 1.0250 1.0314
 *** STACK CALIBRATION ***

14:03 04/21/98
 ID CODE WEIGHT CARBON% SULFUR%
 C00000057 1.0060 0.8136 .00003
 C00000056 1.0040 0.8133 .00002
 C00000055 1.0010 0.8222 .00007
 C00000054 1.0030 0.8227 .00003
 C00000053 1.0050 0.8203 .00002
 C00000052 0.1000 12.17 .00010
 C00000051 0.1000 11.98 .00006
 C00000050 0.1000 11.89 .00040
 C00000049 1.0040 0.8150 .00004
 C00000048 0.0500 3.752 .00030

CARBON STD % 00.8130
 OLD C-CAL -1- 0.5903
 INCLUDE CARBON
 C00000057 0.8136
 C00000056 0.8133
 C00000055 0.8222
 C00000054 0.8227
 C00000053 0.8203
 NEW C-CAL -1- 0.5900

14:04 04/21/98
 ID CODE WEIGHT CARBON% SULFUR%
 C00000057 1.0060 0.8131 .00003
 C00000056 1.0040 0.8129 .00002
 C00000055 1.0010 0.8218 .00007
 C00000054 1.0030 0.8223 .00003
 C00000053 1.0050 0.8199 .00002
 C00000052 0.1000 12.16 .00010
 C00000051 0.1000 11.97 .00006
 C00000050 0.1000 11.79 .00040
 C00000049 1.0040 0.8146 .00004
 C00000048 0.0500 3.750 .00030
 *** END CALIBRATION ***

14:05 04/21/98
 ID CODE C00000058 UT1.0050 CAL#1
 CARBON 0.8233% SULFUR .00004%
 OXYGEN FLOW 3.330
 -C- -S-
 0.818 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10510. 0.
 Std CALIB. 0.5900 0.8981
 K FAC. 1.0259 1.0316

14:09 04/21/98
 ID CODE C00000059 UT1.0090 CAL#1
 CARBON 0.8192% SULFUR .00001%
 OXYGEN FLOW 3.331
 -C- -S-
 0.818 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10094. 0.
 Std CALIB. 0.5900 0.8981
 K FAC. 1.0267 1.0317

14:13 04/21/98
 ID CODE C00000060 UT0.0990 CAL#1
 CARBON 12.16% SULFUR .00007%
 OXYGEN FLOW 3.333
 -C- -S-
 0.818 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 15355. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0268 1.0321

14:15 04/21/98
 ID CODE C00000061 UT0.1000 CAL#1
 CARBON 7.020% SULFUR .00010%
 OXYGEN FLOW 3.329
 -C- -S-
 303 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8240. 0.
 Std CALIB. 0.5900 0.8981
 K FAC. 1.0258 1.0314

14:17 04/21/98
 ID CODE C00000062 UT0.0500 CAL#1
 CARBON 3.774% SULFUR .00104%
 OXYGEN FLOW 3.325
 -C- -S-
 WST BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2092. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0247 1.0313

14:18 04/21/98
 ID CODE C00000063 WTA. 9500 CAL#1
 CARBON 3.770% SULFUR .00053%
 OXYGEN FLOW 3.328
 -C- -S-
 WST BLANK +.00000 +.00000
 TIME 49. 30.
 PEAK 2335. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0239 1.0312

14:20 04/21/98
 ID CODE C00000064 WTA. 1000 CAL#1
 CARBON 0.5900% SULFUR .00024%
 OXYGEN FLOW 3.324
 -C- -S-

58Ad

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 620. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0252 1.0305

14:21 04/21/98
 ID CODE C00000065 WTA. 1000 CAL#1
 CARBON 0.2539% SULFUR .00053%
 OXYGEN FLOW 3.290
 -C- -S-

9-10

BLANK +.00000 +.00000
 TIME 59. 30.
 PEAK 228. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0195 1.0245

14:23 04/21/98
 ID CODE C00000066 WTA. 1300 CAL#1
 CARBON 0.2421% SULFUR .00053%
 OXYGEN FLOW 3.299
 -C- -S-

10-11

BLANK +.00000 +.00000
 TIME 55. 30.
 PEAK 211. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0214 1.0261

*** CLEANING TIME ***

14:24 04/21/98
 ID CODE C00000067 WTA. 1000 CAL#1
 CARBON 0.2394% SULFUR .00052%
 OXYGEN FLOW 3.305
 -C- -S-

11-12

BLANK +.00000 +.00000
 TIME 57. 30.
 PEAK 188. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0222 1.0272

14:26 04/21/98
 ID CODE C00000068 WTA. 1000 CAL#1
 CARBON 0.2412% SULFUR .00020%
 OXYGEN FLOW 3.302
 -C- -S-

12-13

BLANK +.00000 +.00000
 TIME 51. 30.
 PEAK 168. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0216 1.0266

14:28 04/21/98
 ID CODE C00000069 WTA. 1000 CAL#1
 CARBON 0.2223% SULFUR .00029%
 OXYGEN FLOW 3.312
 -C- -S-

13-14

BLANK +.00000 +.00000
 TIME 55. 30.
 PEAK 152. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0231 1.0289

14:29 04/21/98
 ID CODE C00000070 WTA. 1000 CAL#1
 CARBON 0.2370% SULFUR .00011%
 OXYGEN FLOW 3.316
 -C- -S-

14-15

BLANK +.00000 +.00000
 TIME 56. 30.
 PEAK 194. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0234 1.0291

14:31 04/21/98
 ID CODE C00000071 WTA. 1000 CAL#1
 CARBON 0.2291% SULFUR .00044%
 OXYGEN FLOW 3.320
 -C- -S-

15-16

BLANK +.00000 +.00000
 TIME 49. 30.
 PEAK 212. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0241 1.0303

14:33 04/21/98
 ID CODE C00000072 WTA. 1000 CAL#1
 CARBON 0.2777% SULFUR .00028%
 OXYGEN FLOW 3.322
 -C- -S-

16-77

BLANK +.00000 +.00000
 TIME 51. 30.
 PEAK 264. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0251 1.0302

14:34 04/21/98
 ID CODE C00000073 WTA. 1000 CAL#1
 CARBON 0.2682% SULFUR .00003%
 OXYGEN FLOW 3.320
 -C- -S-

17-18

BLANK +.00000 +.00000
 TIME 54. 30.
 PEAK 252. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0251 1.0303

14:36 04/21/98
 ID CODE C00000074 WTA. 1000 CAL#1
 CARBON 0.2422% SULFUR .00014%
 OXYGEN FLOW 3.320
 -C- -S-

18-19

BLANK +.00000 +.00000
 TIME 55. 30.
 PEAK 189. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0251 1.0297

14:37 04/21/98
 ID CODE C00000075 WTA.1000 CAL#1
 CARBON 0.5467% SULFUR .00022%
 OXYGEN FLOW 3.321
 -C- -S-
 BLANK +.00000 +.00000
 TIME 42. 30.
 PEAK 584. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0253 1.0305

58 Ad

14:39 04/21/98
 ID CODE C00000076 WTA.0940 CAL#1
 CARBON 0.8152% SULFUR .00001%
 OXYGEN FLOW 3.321
 -C- -S-
 BLANK +.00000 +.00000
 TIME 49. 30.
 PEAK 7713. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0253 1.0300

0,818 Ad

14:40 04/21/98
 ID CODE C00000077 WTA.1010 CAL#1
 CARBON 12.15% SULFUR .00006%
 OXYGEN FLOW 3.327
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 14997. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0257 1.0310

6.6L3

14:42 04/21/98
 ID CODE C00000078 WTA.0510 CAL#1
 CARBON 3.648% SULFUR .00036%
 OXYGEN FLOW 3.324
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2157. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0252 1.0305
 *** OUT-SEEK BEGUN ***

W5Y

14:44 04/21/98
 ID CODE C00000080 WTA.1010 CAL#1
 CARBON 7.194% SULFUR .00022%
 OXYGEN FLOW 3.327
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8237. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0257 1.0310

303 Ad

14:45 04/21/98
 ID CODE C00000079 WTA.1000 CAL#1
 CARBON 0.5792% SULFUR .00022%
 OXYGEN FLOW 3.322
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 691. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0251 1.0302

58 Ad

14:47 04/21/98
 ID CODE C00000081 WTA.1000 CAL#1
 CARBON 0.2145% SULFUR .00017%
 OXYGEN FLOW 3.324
 -C- -S-
 BLANK +.00000 +.00000
 TIME 53. 30.
 PEAK 180. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0258 1.0305

19-20

14:49 04/21/98
 ID CODE C00000082 WTA.1000 CAL#1
 CARBON 0.2472% SULFUR .00011%
 OXYGEN FLOW 3.322
 -C- -S-
 BLANK +.00000 +.00000
 TIME 53. 30.
 PEAK 216. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0255 1.0302

20-21

14:50 04/21/98
 ID CODE C00000083 WTA.1000 CAL#1
 CARBON 0.2085% SULFUR .00032%
 OXYGEN FLOW 3.321
 -C- -S-
 BLANK +.00000 +.00000
 TIME 49. 30.
 PEAK 184. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0253 1.0300

21-22

14:51 04/21/98
 ID CODE C00000084 WTA.1000 CAL#1
 CARBON 0.2260% SULFUR .00015%
 OXYGEN FLOW 3.320
 -C- -S-
 BLANK +.00000 +.00000
 TIME 55. 30.
 PEAK 188. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0251 1.0297

22-23

14:53 04/21/98
 ID CODE C00000085 WTA.1000 CAL#1
 CARBON 0.2415% SULFUR .00020%
 OXYGEN FLOW 3.323
 -C- -S-
 BLANK +.00000 +.00000
 TIME 50. 30.
 PEAK 246. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0256 1.0303

23-24

14:55 04/21/98
 ID CODE C00000086 WTA.1000 CAL#1
 CARBON 0.2322% SULFUR .00037%
 OXYGEN FLOW 3.321
 -C- -S-
 BLANK +.00000 +.00000
 TIME 54. 30.
 PEAK 204. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0250 1.0300

24-25

*** CLEMINTINE LINE ***
14:56 04/21/98

ID CODE C09000087 Wt0.1800 CAL#1
CARBON 0.2022% SULFUR .00019%
OXYGEN FLOW 3.320

25-26

BLANK +.00000 +.00000
TIME 45. 30.
PEAK 196. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0244 1.0303

14:58 04/21/98
ID CODE C09000088 Wt0.1800 CAL#1
CARBON 0.3641% SULFUR .00015%
OXYGEN FLOW 3.320

58 Ad

BLANK +.00000 +.00000
TIME 47. 30.
PEAK 500. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0247 1.0297

14:59 04/21/98
ID CODE C09000089 Wt0.1800 CAL#1
CARBON 0.2003% SULFUR .00026%
OXYGEN FLOW 3.320

5-6

BLANK +.00000 +.00000
TIME 49. 30.
PEAK 256. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0251 1.0297

15:01 04/21/98
ID CODE C09000090 Wt0.1800 CAL#1
CARBON 0.5042% SULFUR .00036%
OXYGEN FLOW 3.320

58 Ad

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 717. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0251 1.0297

15:02 04/21/98
ID CODE C09000091 Wt0.9980 CAL#1
CARBON 0.8298% SULFUR .00087%
OXYGEN FLOW 3.319

0.818

Ad

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 10148. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0250 1.0302

15:03 04/21/98
ID CODE C09000092 Wt1.0070 CAL#1
CARBON 0.8287% SULFUR .00086%
OXYGEN FLOW 3.322

0.810

Ad

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 10628. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0255 1.0307

*** OUT-SEE BEGIN ***
15:06 04/21/98

ID CODE C09000095 Wt1.0110 CAL#1
CARBON 0.8242% SULFUR .00084%
OXYGEN FLOW 3.324

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 10664. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0258 1.0305

15:07 04/21/98
ID CODE C09000093 Wt0.1800 CAL#1
CARBON 12.18% SULFUR .00022%
OXYGEN FLOW 3.322

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 16631. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0255 1.0302

15:09 04/21/98
ID CODE C09000094 Wt0.0490 CAL#1
CARBON 3.758% SULFUR .00028%
OXYGEN FLOW 3.321

WST

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 2120. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0250 1.0300

15:10 04/21/98
ID CODE C09000096 Wt0.1010 CAL#1
CARBON 7.173% SULFUR .00098%
OXYGEN FLOW 3.321

303 Ad

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 8311. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0250 1.0300

15:11 04/21/98
ID CODE C09000097 Wt1.0900 CAL#1
CARBON .00000% SULFUR .00002%
OXYGEN FLOW 3.324

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 1. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0258 1.0305

15:13 04/21/98
ID CODE C09000098 Wt0.1800 CAL#1
CARBON 0.5583% SULFUR .00016%
OXYGEN FLOW 3.322

58 Ad

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 656. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0255 1.0302

15:14 04/21/98
 ID CODE C00000099 WTA.0020 CAL#1
 CARBON 0.818% SULFUR .00002%
 OXYGEN FLOW 3.321
 -C- -S-
 0.818 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8670. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0253 1.0300

0.818
sl

15:30 04/21/98
 ID CODE C00000090 WTA.0990 CAL#1
 CARBON 5.010% SULFUR .00007%
 OXYGEN FLOW 3.339
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9016. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0290 1.0331

58

15:31 04/21/98
 ID CODE C00000091 WTA.1000 CAL#1
 CARBON 7.180% SULFUR .00051%
 OXYGEN FLOW 3.329
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8030. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0270 1.0314

183

15:32 04/21/98
 ID CODE C00000092 WTA.1000 CAL#1
 CARBON 5.032% SULFUR .00013%
 OXYGEN FLOW 3.329
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9486. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0267 1.0314

293

15:34 04/21/98
 ID CODE C00000093 WTA.1000 CAL#1
 CARBON 7.524% SULFUR .00028%
 OXYGEN FLOW 3.328
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8884. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0265 1.0312

298

15:35 04/21/98
 ID CODE C00000094 WTA.1000 CAL#1
 CARBON 5.835% SULFUR .00013%
 OXYGEN FLOW 3.326
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 6508. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0262 1.0309

318

15:36 04/21/98
 ID CODE C00000095 WTA.1000 CAL#1
 CARBON 5.248% SULFUR .00013%
 OXYGEN FLOW 3.325
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9197. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0260 1.0307

413

15:38 04/21/98
 ID CODE C00000096 WTA.1010 CAL#1
 CARBON 7.943% SULFUR .00033%
 OXYGEN FLOW 3.326
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8672. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0262 1.0309
 *** CLEANING TIME ***

598

15:40 04/21/98
 ID CODE C00000097 WTA.1000 CAL#1
 CARBON 5.165% SULFUR .00013%
 OXYGEN FLOW 3.326
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9610. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0267 1.0309

688

15:41 04/21/98
 ID CODE C00000098 WTA.1000 CAL#1
 CARBON 5.872% SULFUR .00024%
 OXYGEN FLOW 3.324
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 6848. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0264 1.0305

708

15:42 04/21/98
 ID CODE C00000099 WTA.1010 CAL#1
 CARBON 6.589% SULFUR .00032%
 OXYGEN FLOW 3.324
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8097. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0264 1.0305

728

15:44 04/21/98
 ID CODE C00000100 WTA.1000 CAL#1
 CARBON 7.530% SULFUR .00028%
 OXYGEN FLOW 3.324
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9056. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0264 1.0305

758

15:45 04/21/98
 ID CODE C00000011 MT1.0210 CAL#1
 CARBON 0.8205% SULFUR .00004%
 OXYGEN FLOW 3.320
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9616. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0254 1.0297

8,818
 Ad

15:48 04/21/98
 ID CODE C00000012 MT0.1010 CAL#1
 CARBON 12.16% SULFUR .00025%
 OXYGEN FLOW 3.327
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 16488. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0263 1.0310

1000₃

15:50 04/21/98
 ID CODE C00000013 MT0.0500 CAL#1
 CARBON 3.617% SULFUR .00030%
 OXYGEN FLOW 3.321
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 1590. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0253 1.0300

wst

AMBIENT MONITOR

08:35 04/17/98

O2 FLOW	L/MIN	.804
C. CELL TMP.	C	48.2
S. CELL TMP.	C	48.2
OVEN TMP.	C	46.8
CAT. HTR. TMP.	C	342.1
5 REFF.		5.00
5 VOLT	+	5.00
24 VOLT	+	23.98
30 VOLT	+	29.99
15 VOLT	+/-	14.99
C. EMITR.		5.50
S. EMITR.		5.50
C. IR CELL		8.155
S. IR CELL		8.511

08:39 04/17/98
 ID CODE C00000001 WTD.1000 CAL#1
 CARBON 11.75% SULFUR .00067%
 OXYGEN FLOW 3.357

LaO3

BLANK	+.00000	+.00000
TIME	40.	30.
PEAK	13779.	0.
CALIB.	0.6020	0.8981
K FAC.	1.0288	1.0363

08:40 04/17/98
 ID CODE C00000002 WTD.1000 CAL#1
 CARBON 11.83% SULFUR .00027%
 OXYGEN FLOW 3.350

LaO3

BLANK	+.00000	+.00000
TIME	40.	30.
PEAK	14266.	0.
CALIB.	0.6020	0.8981
K FAC.	1.0273	1.0356

08:42 04/17/98
 ID CODE C00000003 WTD.1000 CAL#1
 CARBON 12.06% SULFUR .00076%
 OXYGEN FLOW 3.347

LaO3

BLANK	+.00000	+.00000
TIME	40.	30.
PEAK	15449.	0.
CALIB.	0.6020	0.8981
K FAC.	1.0266	1.0352

08:43 04/17/98
 ID CODE C00000004 WTD.0070 CAL#1
 CARBON 0.8099% SULFUR .00004%
 OXYGEN FLOW 3.340

0.818
Std

BLANK	+.00000	+.00000
TIME	40.	30.
PEAK	6723.	0.
CALIB.	0.6020	0.8981
K FAC.	1.0253	1.0333

08:44 04/17/98
 ID CODE C00000005 WTD.0040 CAL#1
 CARBON 0.8141% SULFUR .00007%
 OXYGEN FLOW 3.338

0.818
Std

BLANK	+.00000	+.00000
TIME	40.	30.
PEAK	6894.	0.
CALIB.	0.6020	0.8981
K FAC.	1.0249	1.0330

08:45 04/17/98
 ID CODE C00000006 WTD.0010 CAL#1
 CARBON 0.8226% SULFUR .00002%
 OXYGEN FLOW 3.337

0.818
Std

BLANK	+.00000	+.00000
TIME	40.	30.
PEAK	8683.	0.
CALIB.	0.6020	0.8981
K FAC.	1.0247	1.0328

08:47 04/17/98
 ID CODE C00000007 WTD.0040 CAL#1
 CARBON 0.8077% SULFUR .00006%
 OXYGEN FLOW 3.335

0.818
Std

BLANK	+.00000	+.00000
TIME	40.	30.
PEAK	7288.	0.
CALIB.	0.6020	0.8981
K FAC.	1.0246	1.0324

08:48 04/17/98
 ID CODE C00000008 WTD.9990 CAL#1
 CARBON 0.8126% SULFUR .00006%
 OXYGEN FLOW 3.336

0.818
Std

BLANK	+.00000	+.00000
TIME	40.	30.
PEAK	8711.	0.
CALIB.	0.6020	0.8981
K FAC.	1.0251	1.0331

*** STACK CALIBRATION ***

08:49 04/17/98
 ID CODE WEIGHT CARBON% SULFUR%
 C00000002 0.9900 0.8126 .00006
 C00000007 1.0040 0.8077 .00006
 C00000004 1.0010 0.8226 .00002
 C00000005 1.0040 0.8141 .00007
 C00000004 1.0070 0.8099 .00004
 C00000003 0.1000 12.06 .00076
 C00000002 0.1000 11.83 .00027
 C00000001 0.1000 11.75 .00067
 C00000000 0.0500 3.821 .00090
 C01000000 0.1010 11.64 .00055

*** OUT-SEQ BEGUN ***

09:00 04/17/98

ID CODE C00000015 WTA.0030 CFL#1
 CARBON 0.5121% SULFUR .00005%
 OXYGEN FLOW 3.336

-C- -S-

0.818 BLANK +.00000 +.00000

TIME 40. 30.

std PEAK 8685. 0.

CALIB. 0.6021 0.8981

K FAC. 1.0251 1.0326

*** OUT-SEQ BEGUN ***

09:02 04/17/98

ID CODE C00000017 WTA.0010 CFL#1
 CARBON 0.5217% SULFUR .00006%
 OXYGEN FLOW 3.335

-C- -S-

0.818 BLANK +.00000 +.00000

TIME 40. 30.

std PEAK 8789. 0.

CALIB. 0.6021 0.8981

K FAC. 1.0249 1.0330

09:03 04/17/98

ID CODE C00000019 WTA.0920 CFL#1
 CARBON 11.94% SULFUR .00100%
 OXYGEN FLOW 3.334

-C- -S-

CaO₃ BLANK +.00000 +.00000

TIME 40. 30.

PEAK 13090. 0.

CALIB. 0.6021 0.8981

K FAC. 1.0247 1.0328

09:05 04/17/98

ID CODE C00000011 WTA.0520 CFL#1
 CARBON 3.785% SULFUR .00117%
 OXYGEN FLOW 3.333

-C- -S-

WST BLANK +.00000 +.00000

TIME 40. 30.

PEAK 2335. 0.

CALIB. 0.6021 0.8981

K FAC. 1.0246 1.0327

09:06 04/17/98

ID CODE C00000018 WTA.1000 CFL#1
 CARBON 0.3326% SULFUR .00035%
 OXYGEN FLOW 3.334

-C- -S-

58 Ad BLANK +.00000 +.00000

TIME 40. 30.

PEAK 649. 0.

CALIB. 0.6021 0.8981

K FAC. 1.0247 1.0328

09:08 04/17/98

ID CODE C00000019 WTA.1000 CFL#1
 CARBON 0.2342% SULFUR .00061%
 OXYGEN FLOW 3.332

-C- -S-

603 BLANK +.00000 +.00000

TIME 51. 30.

PEAK 106. 0.

CALIB. 0.6021 0.8981

K FAC. 1.0241 1.0325

09:09 04/17/98

ID CODE C00000020 WTA.1000 CFL#1
 CARBON 0.3449% SULFUR .00026%
 OXYGEN FLOW 3.330

-C- -S-

608 BLANK +.00000 +.00000

TIME 43. 30.

PEAK 236. 0.

CALIB. 0.6021 0.8981

K FAC. 1.0235 1.0316

09:11 04/17/98

ID CODE C00000021 WTA.1000 CFL#1
 CARBON 0.2561% SULFUR .00030%
 OXYGEN FLOW 3.330

-C- -S-

613 BLANK +.00000 +.00000

TIME 50. 30.

PEAK 228. 0.

CALIB. 0.6021 0.8981

K FAC. 1.0237 1.0321

09:12 04/17/98

ID CODE C00000022 WTA.1000 CFL#1
 CARBON 3.2670% SULFUR .00050%
 OXYGEN FLOW 3.330

-C- -S-

618 BLANK +.00000 +.00000

TIME 53. 30.

PEAK 228. 0.

CALIB. 0.6021 0.8981

K FAC. 1.0240 1.0316

09:14 04/17/98

ID CODE C00000023 WTA.1000 CFL#1
 CARBON 0.2411% SULFUR .00027%
 OXYGEN FLOW 3.329

-C- -S-

623 BLANK +.00000 +.00000

TIME 50. 30.

PEAK 228. 0.

CALIB. 0.6021 0.8981

K FAC. 1.0239 1.0314

09:15 04/17/98

ID CODE C00000024 WTA.1000 CFL#1
 CARBON 0.2792% SULFUR .00060%
 OXYGEN FLOW 3.329

-C- -S-

628 BLANK +.00000 +.00000

TIME 41. 30.

PEAK 280. 0.

CALIB. 0.6021 0.8981

K FAC. 1.0242 1.0314

09:17 04/17/98

ID CODE C00000025 WTA.1000 CFL#1
 CARBON 0.3447% SULFUR .00062%
 OXYGEN FLOW 3.328

-C- -S-

633 BLANK +.00000 +.00000

TIME 47. 30.

PEAK 312. 0.

CALIB. 0.6021 0.8981

K FAC. 1.0240 1.0317

CARBON STD % 80.8188
 OLD C-CAL -1- 0.6020
 INCLUDE CARBON
 C00000003 0.8126
 C00000007 0.8077
 C00000006 0.8226
 C00000005 0.8141
 C00000004 0.8099
 NEW C-CAL -1- 0.6054

08:49 04/17/98

ID CODE	WEIGHT	CARBON%	SULFUR%
C00000008	0.9990	0.8172	.00006
C00000007	1.0040	0.8123	.00006
C00000006	1.0010	0.8273	.00002
C00000005	1.0040	0.8187	.00007
C00000004	1.0070	0.8145	.00004
C00000003	0.1000	12.13	.00076
C00000002	0.1000	11.90	.00027
C00000001	0.1000	11.81	.00067
C00000000	0.0500	3.843	.00090
C00000009	0.1010	11.70	.00055

*** END CALIBRATION ***

08:51 04/17/98

ID CODE C00000009 UT1.0010 CAL#1
 CARBON 0.8252% SULFUR .00002%
 OXYGEN FLOW 3.339
 -C- -S-
 BLANK +.00000 +.00000
 TIME 30. 30.
 PEAK 9306. 0.
 CALIB. 0.6054 0.8981
 K FAC. 1.0257 1.0331

0,818

Std

*** OUT-SEQ BEGIN ***

08:52 04/17/98

ID CODE C00000012 UT0.9970 CAL#1
 CARBON 0.8288% SULFUR .00004%
 OXYGEN FLOW 3.338
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8964. 0.
 CALIB. 0.6054 0.8981
 K FAC. 1.0255 1.0336

0,818

Std

*** OUT-SEQ BEGIN ***

08:54 04/17/98

ID CODE C00000013 UT1.0030 CAL#1
 CARBON 0.8262% SULFUR .00006%
 OXYGEN FLOW 3.338
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10320. 0.
 CALIB. 0.6054 0.8981
 K FAC. 1.0251 1.0330

0,818

Std

*** OUT-SEQ BEGIN ***

08:56 04/17/98

ID CODE C00000014 UT1.0090 CAL#1
 CARBON 0.8162% SULFUR .00001%
 OXYGEN FLOW 3.336
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9736. 0.
 CALIB. 0.6054 0.8981
 K FAC. 1.0245 1.0331

0,818

Std

*** OUT-SEQ BEGIN ***

08:58 04/17/98

ID CODE C00000015 UT1.0020 CAL#1
 CARBON 0.8190% SULFUR .00006%
 OXYGEN FLOW 3.335
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9876. 0.
 CALIB. 0.6054 0.8981
 K FAC. 1.0244 1.0324

0,818

Std

*** STACK CALIBRATION ***

08:58 04/17/98

ID CODE	WEIGHT	CARBON%	SULFUR%
C00000015	1.0020	0.8180	.00006
C00000014	1.0090	0.8196	.00001
C00000013	1.0030	0.8262	.00006
C00000012	0.9970	0.8238	.00004
C00000009	1.0010	0.8252	.00002
C00000008	0.9990	0.8172	.00006
C00000007	1.0040	0.8123	.00006
C00000006	1.0010	0.8273	.00002
C00000005	1.0040	0.8187	.00007
C00000004	1.0070	0.8145	.00004

CARBON STD % 80.8188

OLD C-CAL -1- 0.6054

INCLUDE CARBON

C00000015 0.8188

C00000014 0.8196

C00000013 0.8262

C00000012 0.8238

C00000009 0.8252

NEW C-CAL -1- 0.6021

08:59 04/17/98

ID CODE	WEIGHT	CARBON%	SULFUR%
C00000015	1.0020	0.8135	.00006
C00000014	1.0070	0.8151	.00001
C00000013	1.0030	0.8216	.00006
C00000012	0.9970	0.8192	.00004
C00000009	1.0010	0.8207	.00002
C00000008	0.9990	0.8126	.00006
C00000007	1.0040	0.8078	.00006
C00000006	1.0010	0.8227	.00002
C00000005	1.0040	0.8142	.00007
C00000004	1.0070	0.8100	.00004

*** END CALIBRATION ***

09:37 04/17/98
 ID CODE C00000035 WTA.1000 CAL#1
 CARBON 0.2329% SULFUR .00020%
 OXYGEN FLOW 3.328
 -C- -S-

663

BLANK +.00000 +.00000
 TIME 51. 30.
 PEAK 212. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0312

09:39 04/17/98
 ID CODE C00000037 WTA.1000 CAL#1
 CARBON 0.2496% SULFUR .00052%
 OXYGEN FLOW 3.326
 -C- -S-

668

BLANK +.00000 +.00000
 TIME 51. 30.
 PEAK 232. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0309

09:40 04/17/98
 ID CODE C00000038 WTA.1000 CAL#1
 CARBON 0.3326% SULFUR .00033%
 OXYGEN FLOW 3.326
 -C- -S-

673

BLANK +.00000 +.00000
 TIME 41. 30.
 PEAK 368. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0314

09:42 04/17/98
 ID CODE C00000039 WTA.1000 CAL#1
 CARBON 0.4027% SULFUR .00029%
 OXYGEN FLOW 3.331
 -C- -S-

678

BLANK +.00000 +.00000
 TIME 49. 30.
 PEAK 494. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0242 1.0317

09:43 04/17/98
 ID CODE C00000040 WTA.1000 CAL#1
 CARBON 0.5925% SULFUR .00014%
 OXYGEN FLOW 3.327
 -C- -S-

683

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 656. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0235 1.0316

09:45 04/17/98
 ID CODE C00000041 WTA.1000 CAL#1
 CARBON 0.4957% SULFUR .00015%
 OXYGEN FLOW 3.326
 -C- -S-

688

BLANK +.00000 +.00000
 TIME 45. 30.
 PEAK 494. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0231 1.0309

09:46 04/17/98
 ID CODE C00000042 WTA.1000 CAL#1
 CARBON 0.4137% SULFUR .00068%
 OXYGEN FLOW 3.326
 -C- -S-

693

BLANK +.00000 +.00000
 TIME 50. 30.
 PEAK 376. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0228 1.0309

09:47 04/17/98
 ID CODE C00000043 WTA.1000 CAL#1
 CARBON 0.4360% SULFUR .00053%
 OXYGEN FLOW 3.326
 -C- -S-

698

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 456. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0228 1.0309

09:49 04/17/98
 ID CODE C00000044 WTA.1000 CAL#1
 CARBON 0.3425% SULFUR .00044%
 OXYGEN FLOW 3.326
 -C- -S-

58 std

BLANK +.00000 +.00000
 TIME 48. 30.
 PEAK 488. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0234 1.0314

*** CLEANING TIME ***
 09:50 04/17/98
 ID CODE C00000047 WTA.0980 CAL#1
 CARBON 0.8187% SULFUR .00001%
 OXYGEN FLOW 3.324
 -C- -S-

0.818

BLANK +.00000 +.00000
 TIME 49. 30.
 PEAK 8480. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0230 1.0305

std

09:52 04/17/98
 ID CODE C00000048 WTA.1020 CAL#1
 CARBON 0.8191% SULFUR .00006%
 OXYGEN FLOW 3.321
 -C- -S-

0.818

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7298. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0225 1.0300

std

09:53 04/17/98
 ID CODE C00000049 WTA.1000 CAL#1
 CARBON 11.91% SULFUR .0006%
 OXYGEN FLOW 3.327
 -C- -S-

CalO3

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 14976. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0235 1.0316

09:18 04/17/98

ID CODE C00000026 WT0.1000 CAL#1
 CARBON 0.3267% SULFUR .00032%
 OXYGEN FLOW 3.328

638

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 304. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0312
 *** CLEANING TIME ***

09:20 04/17/98

ID CODE C00000027 WT0.1000 CAL#1
 CARBON 0.2714% SULFUR .00042%
 OXYGEN FLOW 3.330

643

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 280. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0316

09:21 04/17/98

ID CODE C00000028 WT0.1000 CAL#1
 CARBON 0.3552% SULFUR .00064%
 OXYGEN FLOW 3.328

648

-C- -S-
 BLANK +.00000 +.00000
 TIME 41. 30.
 PEAK 258. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0231 1.0312

09:23 04/17/98

ID CODE C00000029 WT0.1000 CAL#1
 CARBON 0.5552% SULFUR .00037%
 OXYGEN FLOW 3.326

58 Std

-C- -S-
 BLANK +.00000 +.00000
 TIME 50. 30.
 PEAK 487. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0231 1.0314

09:24 04/17/98

ID CODE C00000030 WT1.0040 CAL#1
 CARBON 0.8232% SULFUR .00002%
 OXYGEN FLOW 3.327

0.818

Std

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9834. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0235 1.0316

09:25 04/17/98

ID CODE C00000031 WT1.0010 CAL#1
 CARBON 0.8232% SULFUR .00002%
 OXYGEN FLOW 3.328

0.818

Std

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9526. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0317

09:27 04/17/98

ID CODE C00000032 WT0.0900 CAL#1
 CARBON 12.14% SULFUR .00007%
 OXYGEN FLOW 3.330

CuO₃

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 17677. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0240 1.0316

09:28 04/17/98

ID CODE C00000033 WT0.0520 CAL#1
 CARBON 3.730% SULFUR .00000%
 OXYGEN FLOW 3.328

WST

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2375. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0240 1.0312
 *** OUT-SEE BEGUN ***

09:30 04/17/98

ID CODE C00000045 WT0.0500 CAL#1
 CARBON 3.711% SULFUR .00099%
 OXYGEN FLOW 3.333

WST

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2126. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0246 1.0321
 *** OUT-SEE BEGUN ***

09:33 04/17/98

ID CODE C00000046 WT0.1000 CAL#1
 CARBON 7.117% SULFUR .00000%
 OXYGEN FLOW 3.324

303

Std

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8431. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0242 1.0322

09:34 04/17/98

ID CODE C00000034 WT0.1000 CAL#1
 CARBON 0.2601% SULFUR .00008%
 OXYGEN FLOW 3.331

653

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 260. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0317

09:36 04/17/98

ID CODE C00000035 WT0.1000 CAL#1
 CARBON 0.2244% SULFUR .00005%
 OXYGEN FLOW 3.330

658

-C- -S-
 BLANK +.00000 +.00000
 TIME 52. 30.
 PEAK 176. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0235 1.0316

10:13 04/17/98
 ID CODE C00000061 WTA.1000 CAL#1
 CARBON 0.1836% SULFUR .00007%
 OXYGEN FLOW 3.328

748

-C- -S-
 BLANK +.00000 +.00000
 TIME 41. 30.
 PEAK 190. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0220 1.0309

10:15 04/17/98
 ID CODE C00000062 WTA.1000 CAL#1
 CARBON 0.7652% SULFUR .00003%
 OXYGEN FLOW 3.324

58 std

-C- -S-
 BLANK +.00000 +.00000
 TIME 48. 30.
 PEAK 540. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0230 1.0311

10:16 04/17/98
 ID CODE C00000064 WTL.0000 CAL#1
 CARBON 0.8269% SULFUR .00000%
 OXYGEN FLOW 3.321

0.818

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9844. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0231 1.0300

std

*** OUT-SEQ BEGIN ***

10:18 04/17/98
 ID CODE C00000067 WTL.0050 CAL#1
 CARBON 0.8192% SULFUR .00003%
 OXYGEN FLOW 3.324

0.818

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9985. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0239 1.0311

std

10:19 04/17/98
 ID CODE C00000065 WTA.1010 CAL#1
 CARBON 11.44% SULFUR .00077%
 OXYGEN FLOW 3.326

lolO3

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 15278. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0243 1.0309

*** CLEANING TIME ***

10:20 04/17/98
 ID CODE C00000066 WTA.0510 CAL#1
 CARBON 3.703% SULFUR .00061%
 OXYGEN FLOW 3.324

WST

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 1987. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0236 1.0305

*** OUT-SEQ BEGIN ***
 10:23 04/17/98
 ID CODE C00000069 WTA.0500 CAL#1
 CARBON 3.798% SULFUR .00123%
 OXYGEN FLOW 3.326

WST

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 1891. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0234 1.0309

10:24 04/17/98
 ID CODE C00000068 WTA.1000 CAL#1
 CARBON 7.892% SULFUR .00255%
 OXYGEN FLOW 3.324

303

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7939. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0230 1.0305

10:28 04/17/98
 ID CODE C00000070 WTA.1000 CAL#1
 CARBON 0.1795% SULFUR -.00000%
 OXYGEN FLOW 3.333

753

-C- -S-
 BLANK +.00000 +.00000
 TIME 46. 30.
 PEAK 164. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0256 1.0321

10:30 04/17/98
 ID CODE C00000071 WTA.1000 CAL#1
 CARBON 0.1925% SULFUR .00027%
 OXYGEN FLOW 3.325

758

-C- -S-
 BLANK +.00000 +.00000
 TIME 51. 30.
 PEAK 152. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0244 1.0307

10:31 04/17/98
 ID CODE C00000072 WTA.1000 CAL#1
 CARBON 0.4182% SULFUR .00037%
 OXYGEN FLOW 3.326

MUC

1-2

-C- -S-
 BLANK +.00000 +.00000
 TIME 50. 30.
 PEAK 368. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0246 1.0314

10:33 04/17/98
 ID CODE C00000073 WTA.1000 CAL#1
 CARBON 0.3794% SULFUR .00037%
 OXYGEN FLOW 3.322

MUC

2-3

-C- -S-
 BLANK +.00000 +.00000
 TIME 60. 30.
 PEAK 268. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0239 1.0307

09:54 04/17/98
 ID CODE C00000050 WTA.0500 CAL#1
 CARBON 3.779% SULFUR .00157%
 OXYGEN FLOW 3.325

WST

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2161. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0232 1.0313

09:56 04/17/98
 ID CODE C00000051 WTA.1000 CAL#1
 CARBON 0.5990% SULFUR .00058%
 OXYGEN FLOW 3.326

58 Ad

-C- -S-
 BLANK +.00000 +.00000
 TIME 55. 30.
 PEAK 460. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0234 1.0314

*** OUT-SEE RESUN ***

09:58 04/17/98
 ID CODE C00000052 WTA.0900 CAL#1
 CARBON 7.126% SULFUR .00077%
 OXYGEN FLOW 3.330

303 Ad

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7494. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0316

10:00 04/17/98
 ID CODE C00000052 WTA.1000 CAL#1
 CARBON 0.4755% SULFUR .00032%
 OXYGEN FLOW 3.331

703

-C- -S-
 BLANK +.00000 +.00000
 TIME 47. 30.
 PEAK 428. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0242 1.0323

10:02 04/17/98
 ID CODE C00000053 WTA.1000 CAL#1
 CARBON 0.4047% SULFUR .00032%
 OXYGEN FLOW 3.326

708

-C- -S-
 BLANK +.00000 +.00000
 TIME 49. 30.
 PEAK 394. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0234 1.0309

10:03 04/17/98
 ID CODE C00000054 WTA.1000 CAL#1
 CARBON 0.4961% SULFUR .00041%
 OXYGEN FLOW 3.325

713

-C- -S-
 BLANK +.00000 +.00000
 TIME 41. 30.
 PEAK 544. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0235 1.0307

10:04 04/17/98
 ID CODE C00000055 WTA.1000 CAL#1
 CARBON 0.4486% SULFUR .00043%
 OXYGEN FLOW 3.326

718

-C- -S-
 BLANK +.00000 +.00000
 TIME 43. 30.
 PEAK 408. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0240 1.0309

10:06 04/17/98
 ID CODE C00000056 WTA.1000 CAL#1
 CARBON 0.4987% SULFUR .00046%
 OXYGEN FLOW 3.324

723

-C- -S-
 BLANK +.00000 +.00000
 TIME 44. 30.
 PEAK 448. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0236 1.0311

10:07 04/17/98
 ID CODE C00000057 WTA.1000 CAL#1
 CARBON 0.4119% SULFUR .00020%
 OXYGEN FLOW 3.324

728

-C- -S-
 BLANK +.00000 +.00000
 TIME 49. 30.
 PEAK 446. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0233 1.0305

10:08 04/17/98
 ID CODE C00000058 WTA.1000 CAL#1
 CARBON 0.4002% SULFUR .00038%
 OXYGEN FLOW 3.325

733

-C- -S-
 BLANK +.00000 +.00000
 TIME 41. 30.
 PEAK 488. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0235 1.0307

10:10 04/17/98
 ID CODE C00000059 WTA.1000 CAL#1
 CARBON 0.4329% SULFUR .00045%
 OXYGEN FLOW 3.322

738

-C- -S-
 BLANK +.00000 +.00000
 TIME 54. 30.
 PEAK 344. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0226 1.0307

10:11 04/17/98
 ID CODE C00000060 WTA.1000 CAL#1
 CARBON 0.3255% SULFUR .00023%
 OXYGEN FLOW 3.322

743

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 356. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0226 1.0302

10:54 04/17/98

ID CODE C00000085 WTO.1010 CAL#1
CARBON 7.942% SULFUR .00050%
OXYGEN FLOW 3.324

303

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 8508. 0.

Wd

CALIB. 0.6021 0.8981
K FAC. 1.0245 1.0305
*** CLEANING TIME ***

10:58 04/17/98

ID CODE C00000087 WTO.1000 CAL#1
CARBON 7.072% SULFUR .00051%
OXYGEN FLOW 3.328

303

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 7975. 0.

Std

CALIB. 0.6021 0.8981
K FAC. 1.0259 1.0312

11:01 04/17/98

ID CODE C00000088 WTO.0490 CAL#1
CARBON 5.822% SULFUR .00000%
OXYGEN FLOW 3.329

WST

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 2082. 451

CALIB. 0.6021 0.8981
K FAC. 1.0255 1.0314

AMBIENT MONITOR

09:58 04/20/98

O2 FLOW	L/MIN	.907
C. CELL TMP.	C	48.8
S. CELL TMP.	C	48.2
OVEN	THP.	47.9
CAT. WTR. TMP.	C	342.1
5 REFF.		5.00
5 VOLT	+	5.00
24 VOLT	+	23.98
30 VOLT	+	29.96
15 VOLT	+/-	14.99
C. EMTR.		5.50
S. EMTR.		5.50
C. IR CELL		8.111
S. IR CELL		8.509

10:20 04/20/98

ID CODE C00000089 WTO.1000 CAL#1
CARBON 12.84% SULFUR .00075%
OXYGEN FLOW 3.217

0.818

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 14241. 0.

Wd

CALIB. 0.6021 0.8981
K FAC. 1.0060 1.0121

10:01 04/20/98

ID CODE C00000090 WTO.1000 CAL#1
CARBON 12.42% SULFUR .00059%
OXYGEN FLOW 2.585

0.818

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 14767. 0.

Std

CALIB. 0.6021 0.8981
K FAC. 0.8947 0.8995

10:02 04/20/98

ID CODE C00000091 WTO.1010 CAL#1
CARBON 11.97% SULFUR .00000%
OXYGEN FLOW 3.092

0.818

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 13812. 0.

Std

CALIB. 0.6021 0.8981
K FAC. 0.9837 0.9899

10:35 04/17/98
 ID CODE C00000074 UTO.1000 CAL#1
 CARBON 0.3500% SULFUR .00042%
 OXYGEN FLOW 3.323
 Muc
 BLANK +.00000 +.00000
 TIME 51. 30.
 3-4 PEAK 304. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0303

10:36 04/17/98
 ID CODE C00000075 UTO.1000 CAL#1
 CARBON 0.2095% SULFUR .00007%
 OXYGEN FLOW 3.321
 Muc
 BLANK +.00000 +.00000
 TIME 57. 30.
 4-5 PEAK 255. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0234 1.0300

10:38 04/17/98
 ID CODE C00000076 UTO.1000 CAL#1
 CARBON 0.2367% SULFUR .00005%
 OXYGEN FLOW 3.321
 Muc
 BLANK +.00000 +.00000
 TIME 47. 30.
 (5-6) PEAK 194. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0231 1.0300

10:39 04/17/98
 ID CODE C00000077 UTO.1000 CAL#1
 CARBON 0.3173% SULFUR .00057%
 OXYGEN FLOW 3.322
 Muc
 BLANK +.00000 +.00000
 TIME 62. 30.
 6-7 PEAK 244. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0236 1.0302

10:41 04/17/98
 ID CODE C00000078 UTO.1000 CAL#1
 CARBON 0.3112% SULFUR .00041%
 OXYGEN FLOW 3.320
 Muc
 BLANK +.00000 +.00000
 TIME 59. 30.
 7-8 PEAK 216. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0235 1.0303

10:43 04/17/98
 ID CODE C00000079 UTO.1000 CAL#1
 CARBON 0.2604% SULFUR .00003%
 OXYGEN FLOW 3.317
 Muc
 BLANK +.00000 +.00000
 TIME 52. 30.
 8-9 PEAK 204. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0233 1.0292

10:44 04/17/98
 ID CODE C00000080 UTO.1000 CAL#1
 CARBON 0.5050% SULFUR .00017%
 OXYGEN FLOW 3.319
 58 Ad
 BLANK +.00000 +.00000
 TIME 53. 30.
 PEAK 494. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0296

10:45 04/17/98
 ID CODE C00000081 UTO.1010 CAL#1
 CARBON 0.8123% SULFUR .00003%
 OXYGEN FLOW 3.319
 BLANK +.00000 +.00000
 TIME 40. 30.
 0.818 PEAK 8643. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0237 1.0302

10:47 04/17/98
 ID CODE C00000083 UTO.9900 CAL#1
 CARBON 0.0220% SULFUR .00000%
 OXYGEN FLOW 3.322
 BLANK +.00000 +.00000
 TIME 40. 30.
 0.818 PEAK 10410. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0242 1.0302

10:49 04/17/98
 ID CODE C00000082 UTO.1000 CAL#1
 CARBON 11.96% SULFUR .00093%
 OXYGEN FLOW 3.325
 BLANK +.00000 +.00000
 TIME 40. 30.
 CaCO3 PEAK 15360. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0244 1.0313

10:50 04/17/98
 ID CODE C00000084 UTO.0510 CAL#1
 CARBON 3.600% SULFUR .00031%
 OXYGEN FLOW 3.324
 WST
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2262. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0239 1.0305

10:53 04/17/98
 ID CODE C00000086 UTO.0510 CAL#1
 CARBON 3.575% SULFUR .00071%
 OXYGEN FLOW 3.329
 WST
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2192. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0255 1.0314

10:17 04/20/98
 ID CODE C00000099 WT1.0050 CAL#1
 CARBON 0.8179% SULFUR .00003%
 OXYGEN FLOW 3.317
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10095. 0.
 CALIB. 0.5886 0.8981
 K FAC. 1.0233 1.0298

0.810

std

10:18 04/20/98
 ID CODE C00000000 WT1.0000 CAL#1
 CARBON 0.8147% SULFUR .00006%
 OXYGEN FLOW 3.314
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10037. 0.
 CALIB. 0.5886 0.8981
 K FAC. 1.0228 1.0292

0.818

std

10:19 04/20/98
 ID CODE C00000001 WT1.0020 CAL#1
 CARBON 0.8223% SULFUR .00003%
 OXYGEN FLOW 3.311
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10048. 0.
 CALIB. 0.5886 0.8981
 K FAC. 1.0223 1.0282

0.818

std

10:21 04/20/98
 ID CODE C00000002 WT1.0070 CAL#1
 CARBON 0.7988% SULFUR .00000%
 OXYGEN FLOW 3.310
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 6942. 0.
 CALIB. 0.5886 0.8981
 K FAC. 1.0218 1.0286

0.818

std

*** STACK CALIBRATION ***

10:21 04/20/98
 ID CODE WEIGHT CARBON% SULFUR%
 C00000002 1.0070 0.7988 .00000
 C00000001 1.0020 0.8223 .00003
 C00000000 1.0000 0.8147 .00006
 C00000099 1.0050 0.8179 .00003
 C00000098 1.0000 0.8191 .00003
 C00000097 1.0000 0.8045 .00004
 C00000096 1.0000 0.8076 .00007
 C00000095 0.9990 0.8199 .00004
 C00000094 1.0000 0.8252 .00002
 C00000093 1.0020 0.8203 .00005

CARBON STD.% 80.8180
 OLD C-CAL -1- 0.5886
 INCLUDE CARBON
 C00000001 0.8223
 C00000000 0.8147
 C00000099 0.8179
 C00000098 0.8191
 C00000097 0.8045
 NEW C-CAL -1- 0.5900

*** OUT-SEQ RESULT ***
 10:24 04/20/98
 ID CODE C00000006 WT0.9930 CAL#1
 CARBON 0.8133% SULFUR .00000%
 OXYGEN FLOW 3.319
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8971. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0237 1.0296

0.818

std

10:25 04/20/98
 ID CODE C00000003 WT0.1000 CAL#1
 CARBON 11.93% SULFUR .00050%
 OXYGEN FLOW 3.323
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 12418. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0247 1.0309

CoO3

10:27 04/20/98
 ID CODE C00000004 WT0.1000 CAL#1
 CARBON 7.046% SULFUR .00051%
 OXYGEN FLOW 3.313
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7898. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0233 1.0291

303 Ad

10:28 04/20/98
 ID CODE C00000005 WT0.0500 CAL#1
 CARBON 3.696% SULFUR .00071%
 OXYGEN FLOW 3.313
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 1979. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0233 1.0286

WST

*** CLEANING TIME ***

*** OUT-SEQ RESULT ***

10:31 04/20/98
 ID CODE C00000010 WT0.0520 CAL#1
 CARBON 3.759% SULFUR .00047%
 OXYGEN FLOW 3.310
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2096. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0224 1.0280

WST

10:32 04/20/98
 ID CODE C00000007 WT0.1000 CAL#1
 CARBON 6.974% SULFUR .00029%
 OXYGEN FLOW 3.297
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7049. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0198 1.0262

653

*** STACK CALIBRATION ***

10:04 04/20/98
 ID CODE C00000092 UT1.0040 CAL#1
 CARBON 0.8356% SULFUR .00000%
 OXYGEN FLOW 3.317

0.818

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10481. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0233 1.0292

std

10:05 04/20/98
 ID CODE C00000093 UT1.0020 CAL#1
 CARBON 0.8296% SULFUR .00005%
 OXYGEN FLOW 3.300

0.818

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9526. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0217 1.0276

std

10:06 04/20/98
 ID CODE C00000094 UT1.0000 CAL#1
 CARBON 0.8441% SULFUR .00002%
 OXYGEN FLOW 3.317

0.818

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 11059. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0230 1.0292

std

10:07 04/20/98
 ID CODE C00000095 UT0.9990 CAL#1
 CARBON 0.8386% SULFUR .00004%
 OXYGEN FLOW 3.317

0.818

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10725. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0230 1.0298

std

10:09 04/20/98
 ID CODE C00000096 UT1.0000 CAL#1
 CARBON 0.8268% SULFUR .00007%
 OXYGEN FLOW 3.316

0.818

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 6690. 0.
 CALIB. 0.6021 0.8981
 K FAC. 1.0228 1.0296

std

ID CODE	WEIGHT	CARBON%	SULFUR%
C00000094	1.0000	0.8260	.00007
C00000095	0.9990	0.8386	.00004
C00000094	1.0000	0.8441	.00002
C00000093	1.0020	0.8390	.00005
C00000092	1.0040	0.8356	.00000
C00000091	0.1010	11.97	.00000
C00000099	0.1000	12.42	.00059
C00000099	0.1000	12.04	.00075
C00000098	0.0490	3.822	.00000
C00000097	0.1000	7.072	.00051

CARBON STD. % 80.8189
 OLD C-CAL -1- 0.6021
 INCLUDE CARBON
 C00000096 0.8260
 C00000095 0.8386
 C00000094 0.8441
 C00000093 0.8390
 C00000092 0.8356
 NEW C-CAL -1- 0.5886

10:10 04/20/98

ID CODE	WEIGHT	CARBON%	SULFUR%
C00000094	1.0000	0.8076	.00007
C00000095	0.9990	0.8199	.00004
C00000094	1.0000	0.8252	.00002
C00000093	1.0020	0.8203	.00005
C00000092	1.0040	0.8170	.00000
C00000091	0.1010	11.70	.00000
C00000099	0.1000	12.14	.00059
C00000099	0.1000	11.77	.00075
C00000098	0.0490	3.737	.00000
C00000097	0.1000	6.914	.00051

*** END CALIBRATION ***

10:14 04/20/98
 ID CODE C00000097 UT1.0000 CAL#1
 CARBON 0.8045% SULFUR .00004%
 OXYGEN FLOW 3.324

0.818

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 6788. 0.
 CALIB. 0.5886 0.8981
 K FAC. 1.0240 1.0305

std

10:15 04/20/98
 ID CODE C00000098 UT1.0000 CAL#1
 CARBON 0.8191% SULFUR .00003%
 OXYGEN FLOW 3.316

0.818

BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9643. 0.
 CALIB. 0.5886 0.8981
 K FAC. 1.0234 1.0296

std

10:34 04/20/98
 ID CODE C00000008 Wt0.1000 CAL#1
 CARBON 7.336% SULFUR .00026%
 OXYGEN FLOW 3.313

658

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9389. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0226 1.0291

10:35 04/20/98
 ID CODE C00000009 Wt0.1010 CAL#1
 CARBON 7.265% SULFUR .00015%
 OXYGEN FLOW 3.298

663

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9497. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0200 1.0259

10:36 04/20/98
 ID CODE C00000011 Wt0.1000 CAL#1
 CARBON 7.282% SULFUR .00037%
 OXYGEN FLOW 3.304

668

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8631. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0211 1.0275

10:38 04/20/98
 ID CODE C00000012 Wt0.1010 CAL#1
 CARBON 6.527% SULFUR .00049%
 OXYGEN FLOW 3.293

673

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 5685. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0197 1.0255

10:39 04/20/98
 ID CODE C00000013 Wt0.1000 CAL#1
 CARBON 6.899% SULFUR .00042%
 OXYGEN FLOW 3.295

678

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7291. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0201 1.0253

10:40 04/20/98
 ID CODE C00000014 Wt0.1000 CAL#1
 CARBON 7.469% SULFUR .00041%
 OXYGEN FLOW 3.294

683

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7836. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0199 1.0257

10:42 04/20/98
 ID CODE C00000015 Wt0.1010 CAL#1
 CARBON 6.136% SULFUR .00052%
 OXYGEN FLOW 3.309

688

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9907. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0225 1.0278

10:44 04/20/98
 ID CODE C00000016 Wt0.1010 CAL#1
 CARBON 7.510% SULFUR .00045%
 OXYGEN FLOW 3.285

693

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8189. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0180 1.0242

10:45 04/20/98
 ID CODE C00000017 Wt0.1000 CAL#1
 CARBON 7.416% SULFUR .00050%
 OXYGEN FLOW 3.296

698

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7913. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0197 1.0255

10:46 04/20/98
 ID CODE C00000018 Wt1.0020 CAL#1
 CARBON 9.820% SULFUR .00006%
 OXYGEN FLOW 3.291

0.819

std

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9668. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0187 1.0247

10:50 04/20/98
 ID CODE C00000019 Wt0.1000 CAL#1
 CARBON 11.98% SULFUR .00007%
 OXYGEN FLOW 3.304

CalO3

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 15932. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0217 1.0270

10:52 04/20/98
 ID CODE C00000020 Wt0.1000 CAL#1
 CARBON 7.221% SULFUR .00029%
 OXYGEN FLOW 3.275

303 std

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7930. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0165 1.0218

10:53 04/20/98
 ID CODE C00000021 Wt0.0500 CAL#1
 CARBON 3.643% SULFUR .00079%
 OXYGEN FLOW 3.302
 WST
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 1856. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0216 1.0266

10:56 04/20/98
 ID CODE C00000022 Wt0.0510 CAL#1
 CARBON 3.815% SULFUR .00079%
 OXYGEN FLOW 3.291
 WST
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2142. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0193 1.0247

11:50 04/20/98
 ID CODE C00000023 Wt1.0000 CAL#1
 CARBON 0.8056% SULFUR .00003%
 OXYGEN FLOW 3.317
 C- S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10582. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0245 1.0292
 *** OUT-SEQ BEGUN ***

11:52 04/20/98
 ID CODE C00000033 Wt1.0020 CAL#1
 CARBON 0.8142% SULFUR .00006%
 OXYGEN FLOW 3.304
 C- S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9785. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0217 1.0275

11:53 04/20/98
 ID CODE C00000024 Wt0.0990 CAL#1
 CARBON 11.91% SULFUR .00061%
 OXYGEN FLOW 3.308
 C- S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 15357. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0226 1.0276

11:55 04/20/98
 ID CODE C00000025 Wt0.1000 CAL#1
 CARBON 7.862% SULFUR .00007%
 OXYGEN FLOW 3.291
 C- S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7979. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0197 1.0247
 *** CLEANING TIME ***

*** OUT-SEQ BEGUN ***
 11:58 04/20/98
 ID CODE C00000024 Wt0.1000 CAL#1
 CARBON 7.054% SULFUR .00000%
 OXYGEN FLOW 3.292
 C- S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7881. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0202 1.0248

11:59 04/20/98
 ID CODE C00000026 Wt0.0510 CAL#1
 CARBON 3.514% SULFUR .00017%
 OXYGEN FLOW 3.307
 C- S-
 WST BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 1912. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0228 1.0275

12:01 04/20/98
 ID CODE C00000025 Wt0.0500 CAL#1
 CARBON 3.755% SULFUR .00042%
 OXYGEN FLOW 3.302
 C- S-
 WST BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2111. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0219 1.0266

12:03 04/20/98
 ID CODE C00000027 Wt0.1000 CAL#1
 CARBON 7.254% SULFUR .00055%
 OXYGEN FLOW 3.268
 C- S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 6592. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0159 1.0206

12:04 04/20/98
 ID CODE C00000028 Wt0.1000 CAL#1
 CARBON 5.801% SULFUR .00053%
 OXYGEN FLOW 3.283
 C- S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 6216. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0182 1.0233

12:05 04/20/98
 ID CODE C00000029 Wt0.1000 CAL#1
 CARBON 9.507% SULFUR .00050%
 OXYGEN FLOW 3.295
 C- S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8977. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0201 1.0253

12:07 04/20/98
 ID CODE C00000030 MTO.0990 CAL#1
 CARBON 7.217% SULFUR .00050%
 OXYGEN FLOW 3.286
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7414. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0184 1.0243

718

12:08 04/20/98
 ID CODE C00000031 MTO.1010 CAL#1
 CARBON 7.260% SULFUR .00041%
 OXYGEN FLOW 3.291
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7991. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0197 1.0252

723

12:09 04/20/98
 ID CODE C00000032 MTO.1010 CAL#1
 CARBON 6.406% SULFUR .00007%
 OXYGEN FLOW 3.285
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7233. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0189 1.0242

728

12:11 04/20/98
 ID CODE C00000033 MTO.1000 CAL#1
 CARBON 7.015% SULFUR .00007%
 OXYGEN FLOW 3.304
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7224. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0223 1.0275

733

12:12 04/20/98
 ID CODE C00000037 MTO.1000 CAL#1
 CARBON 7.057% SULFUR .00040%
 OXYGEN FLOW 3.306
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8590. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0226 1.0279

738

12:13 04/20/98
 ID CODE C00000038 MTO.1000 CAL#1
 CARBON 6.858% SULFUR .00051%
 OXYGEN FLOW 3.306
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7176. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0226 1.0273

743

12:15 04/20/98
 ID CODE C00000039 MTO.1000 CAL#1
 CARBON 6.877% SULFUR .00033%
 OXYGEN FLOW 3.304
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7041. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0223 1.0270

748

12:16 04/20/98
 ID CODE C00000040 MTO.1000 CAL#1
 CARBON 7.193% SULFUR .00007%
 OXYGEN FLOW 3.299
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7456. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0214 1.0267

753

12:17 04/20/98
 ID CODE C00000041 MTO.0940 CAL#1
 CARBON 0.7047% SULFUR .00002%
 OXYGEN FLOW 3.309
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8021. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0228 1.0278

758

12:19 04/20/98
 ID CODE C00000042 MTO.1000 CAL#1
 CARBON 8.198% SULFUR .00028%
 OXYGEN FLOW 3.299
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10351. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0208 1.0267

Jals
Ad x0.1

12:21 04/20/98
 ID CODE C00000045 MTO.0910 CAL#1
 CARBON 0.8116% SULFUR .00004%
 OXYGEN FLOW 3.306
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10425. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0223 1.0273

0.818

Ad

12:23 04/20/98
 ID CODE C00000046 MTO.9980 CAL#1
 CARBON 0.8111% SULFUR .00004%
 OXYGEN FLOW 3.309
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10769. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0231 1.0278

Ad

12:24 04/20/98
 ID CODE C00000043 MT0.1010 CAL#1
 CARBON 11.25% SULFUR .00044%
 OXYGEN FLOW 3.314
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 14915. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0240 1.0287

CaO₃

12:26 04/20/98
 ID CODE C00000044 MT0.9510 CAL#1
 CARBON 13.76% SULFUR .00016%
 OXYGEN FLOW 3.309
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7663. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0231 1.0284
 *** CLEANING TIME ***

2x303 SW

12:29 04/20/98
 ID CODE C00000047 MT0.1000 CAL#1
 CARBON 5.982% SULFUR .00042%
 OXYGEN FLOW 3.310
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 7449. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0233 1.0286

303 Std

12:33 04/20/98
 ID CODE C00000048 MT0.0500 CAL#1
 CARBON 3.752% SULFUR .00000%
 OXYGEN FLOW 3.318
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2265. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0241 1.0204

WST

12:36 04/20/98
 ID CODE C00000049 MT1.0040 CAL#1
 CARBON 0.8150% SULFUR .00004%
 OXYGEN FLOW 3.309
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9927. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0231 1.0284

0.818 Std

AMBIENT MONITOR

13:53 04/21/98

O2 FLOW L/MIN .005
 C. CELL TMP. C 49.0
 S. CELL TMP. C 48.2
 OVEN TMP. C 49.2
 CAT. HTR. TMP. C 342.4
 5 REFF. 5.00
 5 VOLT + 5.00
 24 VOLT + 23.98
 30 VOLT + 29.99
 15 VOLT +/- 14.99
 C. EHTR. 5.50
 S. EHTR. 5.50
 C. IR CELL. 8.276
 S. IR CELL. 8.510

13:54 04/21/98

ID CODE C00000050 MT0.1000 CAL#1
 CARBON 11.80% SULFUR .00040%
 OXYGEN FLOW 3.345
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 13923. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0289 1.0348

CaO₃

13:55 04/21/98

ID CODE C00000051 MT0.1000 CAL#1
 CARBON 11.95% SULFUR .00006%
 OXYGEN FLOW 3.338
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 13915. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0290 1.0330

CaO₃

13:57 04/21/98

ID CODE C00000052 MT0.1000 CAL#1
 CARBON 12.17% SULFUR .00010%
 OXYGEN FLOW 3.336
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 15080. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0276 1.0326

CaO₃

13:58 04/21/98

ID CODE C00000053 MT1.0050 CAL#1
 CARBON 0.8203% SULFUR .00002%
 OXYGEN FLOW 3.329
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 18017. 0.
 CALIB. 0.5903 0.8981
 K FAC. 1.0264 1.0314

Long

MUC 4238-2

21.4.98

13:59 04/21/98
 ID CODE C00000054 UT1.0030 CAL#1
 CARBON 0.8227% SULFUR .00003%
 OXYGEN FLOW 3.327
 -C- -S-
 0.818 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10657. 0.
 Std CALIB. 0.5903 0.8981
 K FAC. 1.0257 1.0310

14:00 04/21/98
 ID CODE C00000055 UT1.0010 CAL#1
 CARBON 0.8222% SULFUR .00007%
 OXYGEN FLOW 3.325
 -C- -S-
 0.818 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10858. 0.
 Std CALIB. 0.5903 0.8981
 K FAC. 1.0254 1.0307

14:02 04/21/98
 ID CODE C00000056 UT1.0040 CAL#1
 CARBON 0.8133% SULFUR .00002%
 OXYGEN FLOW 3.324
 -C- -S-
 0.818 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8711. 0.
 Std CALIB. 0.5903 0.8981
 K FAC. 1.0248 1.0305

14:03 04/21/98
 ID CODE C00000057 UT1.0060 CAL#1
 CARBON 0.8136% SULFUR .00003%
 OXYGEN FLOW 3.326
 -C- -S-
 0.818 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 6541. 0.
 Std CALIB. 0.5903 0.8981
 K FAC. 1.0250 1.0314

*** STACK CALIBRATION ***

14:03 04/21/98
 ID CODE WEIGHT CARBON% SULFUR%
 C00000057 1.0060 0.8136 .00003
 C00000056 1.0040 0.8133 .00002
 C00000055 1.0010 0.8222 .00007
 C00000054 1.0030 0.8227 .00003
 C00000053 1.0050 0.8203 .00002
 C00000052 0.1000 12.17 .00010
 C00000051 0.1000 11.98 .00006
 C00000050 0.1000 11.89 .00040
 C00000049 1.0040 0.8150 .00004
 C00000048 0.0500 3.752 .00030

CARBON STD % 00.8130
 OLD C-CAL -1- 0.5903
 INCLUDE CARBON
 C00000057 0.8136
 C00000056 0.8133
 C00000055 0.8222
 C00000054 0.8227
 C00000053 0.8203
 NEW C-CAL -1- 0.5900

14:04 04/21/98
 ID CODE WEIGHT CARBON% SULFUR%
 C00000057 1.0060 0.8131 .00003
 C00000056 1.0040 0.8129 .00002
 C00000055 1.0010 0.8218 .00007
 C00000054 1.0030 0.8223 .00003
 C00000053 1.0050 0.8199 .00002
 C00000052 0.1000 12.16 .00010
 C00000051 0.1000 11.97 .00006
 C00000050 0.1000 11.79 .00040
 C00000049 1.0040 0.8146 .00004
 C00000048 0.0500 3.750 .00030

*** END CALIBRATION ***

14:05 04/21/98
 ID CODE C00000058 UT1.0050 CAL#1
 CARBON 0.8233% SULFUR .00004%
 OXYGEN FLOW 3.330
 -C- -S-
 0.818 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10510. 0.
 Std CALIB. 0.5900 0.8981
 K FAC. 1.0259 1.0316

14:09 04/21/98
 ID CODE C00000059 UT1.0090 CAL#1
 CARBON 0.8192% SULFUR .00001%
 OXYGEN FLOW 3.331
 -C- -S-
 0.818 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 10094. 0.
 Std CALIB. 0.5900 0.8981
 K FAC. 1.0267 1.0317

14:13 04/21/98
 ID CODE C00000060 UT0.0990 CAL#1
 CARBON 12.16% SULFUR .00007%
 OXYGEN FLOW 3.333
 -C- -S-
 0.818 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 15355. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0268 1.0321

14:15 04/21/98
 ID CODE C00000061 UT0.1000 CAL#1
 CARBON 7.020% SULFUR .00010%
 OXYGEN FLOW 3.329
 -C- -S-
 303 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8240. 0.
 Std CALIB. 0.5900 0.8981
 K FAC. 1.0258 1.0314

14:17 04/21/98
 ID CODE C00000062 UT0.0500 CAL#1
 CARBON 3.774% SULFUR .00104%
 OXYGEN FLOW 3.325
 -C- -S-
 WST BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2092. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0247 1.0313

14:18 04/21/98
 ID CODE C00000063 WTD. 9500 CAL#1
 CARBON 3.770% SULFUR .00053%
 OXYGEN FLOW 3.328

WST

-C- -S-
 BLANK +.00000 +.00000
 TIME 49. 30.
 PEAK 2335. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0239 1.0312

14:20 04/21/98
 ID CODE C00000064 WTD. 1000 CAL#1
 CARBON 0.5900% SULFUR .00024%
 OXYGEN FLOW 3.324

58Ad

-C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 620. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0252 1.0305

14:21 04/21/98
 ID CODE C00000065 WTD. 1000 CAL#1
 CARBON 0.2539% SULFUR .00053%
 OXYGEN FLOW 3.290

9-10

-C- -S-
 BLANK +.00000 +.00000
 TIME 59. 30.
 PEAK 228. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0195 1.0245

14:23 04/21/98
 ID CODE C00000066 WTD. 1300 CAL#1
 CARBON 0.2421% SULFUR .00053%
 OXYGEN FLOW 3.299

10-11

-C- -S-
 BLANK +.00000 +.00000
 TIME 55. 30.
 PEAK 211. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0214 1.0261

*** CLEANING TIME ***

14:24 04/21/98
 ID CODE C00000067 WTD. 1000 CAL#1
 CARBON 0.2394% SULFUR .00055%
 OXYGEN FLOW 3.305

11-12

-C- -S-
 BLANK +.00000 +.00000
 TIME 57. 30.
 PEAK 188. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0222 1.0272

14:26 04/21/98
 ID CODE C00000068 WTD. 1000 CAL#1
 CARBON 0.2412% SULFUR .00020%
 OXYGEN FLOW 3.302

12-13

-C- -S-
 BLANK +.00000 +.00000
 TIME 51. 30.
 PEAK 168. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0216 1.0266

14:28 04/21/98
 ID CODE C00000069 WTD. 1000 CAL#1
 CARBON 0.2223% SULFUR .00029%
 OXYGEN FLOW 3.312

13-14

-C- -S-
 BLANK +.00000 +.00000
 TIME 55. 30.
 PEAK 152. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0231 1.0289

14:29 04/21/98
 ID CODE C00000070 WTD. 1000 CAL#1
 CARBON 0.2370% SULFUR .00011%
 OXYGEN FLOW 3.316

14-15

-C- -S-
 BLANK +.00000 +.00000
 TIME 56. 30.
 PEAK 194. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0234 1.0291

14:31 04/21/98
 ID CODE C00000071 WTD. 1000 CAL#1
 CARBON 0.2291% SULFUR .00044%
 OXYGEN FLOW 3.320

15-16

-C- -S-
 BLANK +.00000 +.00000
 TIME 49. 30.
 PEAK 212. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0241 1.0303

14:33 04/21/98
 ID CODE C00000072 WTD. 1000 CAL#1
 CARBON 0.2777% SULFUR .00028%
 OXYGEN FLOW 3.322

16-77

-C- -S-
 BLANK +.00000 +.00000
 TIME 51. 30.
 PEAK 264. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0251 1.0302

14:34 04/21/98
 ID CODE C00000073 WTD. 1000 CAL#1
 CARBON 0.2682% SULFUR .00003%
 OXYGEN FLOW 3.320

17-18

-C- -S-
 BLANK +.00000 +.00000
 TIME 54. 30.
 PEAK 252. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0251 1.0303

14:36 04/21/98
 ID CODE C00000074 WTD. 1000 CAL#1
 CARBON 0.2422% SULFUR .00014%
 OXYGEN FLOW 3.320

18-19

-C- -S-
 BLANK +.00000 +.00000
 TIME 55. 30.
 PEAK 189. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0251 1.0297

14:37 04/21/98
 ID CODE C00000075 WTA.1000 CAL#1
 CARBON 0.5467% SULFUR .00022%
 OXYGEN FLOW 3.321
 -C- -S-
 58
 Ad BLANK +.00000 +.00000
 TIME 42. 30.
 PEAK 584. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0253 1.0305

14:39 04/21/98
 ID CODE C00000076 WTA.0940 CAL#1
 CARBON 0.8152% SULFUR .00001%
 OXYGEN FLOW 3.321
 -C- -S-
 0, 818
 Ad BLANK +.00000 +.00000
 TIME 49. 30.
 PEAK 7713. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0253 1.0300

14:40 04/21/98
 ID CODE C00000077 WTA.1010 CAL#1
 CARBON 12.15% SULFUR .00006%
 OXYGEN FLOW 3.327
 -C- -S-
 6.6 Q3
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 14997. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0257 1.0310

14:42 04/21/98
 ID CODE C00000078 WTA.0510 CAL#1
 CARBON 3.648% SULFUR .00036%
 OXYGEN FLOW 3.324
 -C- -S-
 WSY
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 2157. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0252 1.0305
 *** OUT-SEEK BEGUN ***

14:44 04/21/98
 ID CODE C00000080 WTA.1010 CAL#1
 CARBON 7.194% SULFUR .00022%
 OXYGEN FLOW 3.327
 -C- -S-
 303 Ad
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8237. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0257 1.0310

14:45 04/21/98
 ID CODE C00000079 WTA.1000 CAL#1
 CARBON 0.5792% SULFUR .00022%
 OXYGEN FLOW 3.322
 -C- -S-
 58 Ad
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 691. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0251 1.0302

14:47 04/21/98
 ID CODE C00000081 WTA.1000 CAL#1
 CARBON 0.2145% SULFUR .00017%
 OXYGEN FLOW 3.324
 -C- -S-
 14-20
 BLANK +.00000 +.00000
 TIME 53. 30.
 PEAK 180. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0258 1.0305

14:49 04/21/98
 ID CODE C00000082 WTA.1000 CAL#1
 CARBON 0.2472% SULFUR .00011%
 OXYGEN FLOW 3.322
 -C- -S-
 20-27
 BLANK +.00000 +.00000
 TIME 53. 30.
 PEAK 216. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0255 1.0302

14:50 04/21/98
 ID CODE C00000083 WTA.1000 CAL#1
 CARBON 0.2085% SULFUR .00032%
 OXYGEN FLOW 3.321
 -C- -S-
 27-22
 BLANK +.00000 +.00000
 TIME 49. 30.
 PEAK 184. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0253 1.0300

14:51 04/21/98
 ID CODE C00000084 WTA.1000 CAL#1
 CARBON 0.2260% SULFUR .00015%
 OXYGEN FLOW 3.320
 -C- -S-
 22-23
 BLANK +.00000 +.00000
 TIME 55. 30.
 PEAK 188. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0251 1.0297

14:53 04/21/98
 ID CODE C00000085 WTA.1000 CAL#1
 CARBON 0.2415% SULFUR .00020%
 OXYGEN FLOW 3.323
 -C- -S-
 23-24
 BLANK +.00000 +.00000
 TIME 50. 30.
 PEAK 246. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0256 1.0303

14:55 04/21/98
 ID CODE C00000086 WTA.1000 CAL#1
 CARBON 0.2322% SULFUR .00037%
 OXYGEN FLOW 3.321
 -C- -S-
 24-25
 BLANK +.00000 +.00000
 TIME 54. 30.
 PEAK 204. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0250 1.0300

*** CLEMINTINE LINE ***

14:56 04/21/98

ID CODE C09000087 Wt0.1800 CAL#1
CARBON 0.2022% SULFUR .00019%
OXYGEN FLOW 3.320

25-26

BLANK +.00000 +.00000
TIME 45. 30.
PEAK 196. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0244 1.0303

14:58 04/21/98

ID CODE C09000088 Wt0.1800 CAL#1
CARBON 0.3641% SULFUR .00015%
OXYGEN FLOW 3.320

58 Ad

BLANK +.00000 +.00000
TIME 47. 30.
PEAK 500. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0247 1.0297

14:59 04/21/98

ID CODE C09000089 Wt0.1800 CAL#1
CARBON 0.2003% SULFUR .00026%
OXYGEN FLOW 3.320

5-6

BLANK +.00000 +.00000
TIME 49. 30.
PEAK 256. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0251 1.0297

15:01 04/21/98

ID CODE C09000090 Wt0.1000 CAL#1
CARBON 0.5042% SULFUR .00036%
OXYGEN FLOW 3.320

58 Ad

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 717. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0251 1.0297

15:02 04/21/98

ID CODE C09000091 Wt0.9980 CAL#1
CARBON 0.8298% SULFUR .00087%
OXYGEN FLOW 3.319

0.828

Ad

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 10148. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0250 1.0302

15:03 04/21/98

ID CODE C09000092 Wt1.0070 CAL#1
CARBON 0.8287% SULFUR .00086%
OXYGEN FLOW 3.322

0.810

Ad

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 10628. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0255 1.0307

*** DUT-SEA BEGUN ***

15:06 04/21/98

ID CODE C09000095 Wt1.0110 CAL#1
CARBON 0.8242% SULFUR .00084%
OXYGEN FLOW 3.324

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 10664. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0258 1.0305

15:07 04/21/98

ID CODE C09000093 Wt0.1000 CAL#1
CARBON 12.18% SULFUR .00022%
OXYGEN FLOW 3.322

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 16631. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0255 1.0302

15:09 04/21/98

ID CODE C09000094 Wt0.0490 CAL#1
CARBON 3.758% SULFUR .00028%
OXYGEN FLOW 3.321

WST

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 2120. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0250 1.0300

15:10 04/21/98

ID CODE C09000096 Wt0.1010 CAL#1
CARBON 7.173% SULFUR .00098%
OXYGEN FLOW 3.321

303 Ad

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 8311. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0250 1.0300

15:11 04/21/98

ID CODE C09000097 Wt1.0000 CAL#1
CARBON .00000% SULFUR .00002%
OXYGEN FLOW 3.324

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 1. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0258 1.0305

15:13 04/21/98

ID CODE C09000098 Wt0.1000 CAL#1
CARBON 0.5583% SULFUR .00016%
OXYGEN FLOW 3.322

58 Ad

BLANK +.00000 +.00000
TIME 40. 30.
PEAK 656. 0.
CALIB. 0.5900 0.8981
K FAC. 1.0255 1.0302

15:14 04/21/98
 ID CODE C00000099 MT0.0020 CAL#1
 CARBON 0.818% SULFUR .00002%
 OXYGEN FLOW 3.321
 -C- -S-
 0.818 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8670. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0253 1.0300

0.818
sl

15:30 04/21/98
 ID CODE C00000090 MT0.0990 CAL#1
 CARBON 5.018% SULFUR .00007%
 OXYGEN FLOW 3.339
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9016. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0290 1.0331

58

15:31 04/21/98
 ID CODE C00000091 MT0.1000 CAL#1
 CARBON 7.188% SULFUR .00051%
 OXYGEN FLOW 3.329
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8030. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0270 1.0314

183

15:32 04/21/98
 ID CODE C00000092 MT0.1000 CAL#1
 CARBON 5.032% SULFUR .00013%
 OXYGEN FLOW 3.329
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9486. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0267 1.0314

293

15:34 04/21/98
 ID CODE C00000093 MT0.1000 CAL#1
 CARBON 7.524% SULFUR .00028%
 OXYGEN FLOW 3.328
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8884. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0265 1.0312

298

15:35 04/21/98
 ID CODE C00000094 MT0.1000 CAL#1
 CARBON 5.835% SULFUR .00013%
 OXYGEN FLOW 3.326
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 6508. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0262 1.0309

318

15:36 04/21/98
 ID CODE C00000095 MT0.1000 CAL#1
 CARBON 5.248% SULFUR .00013%
 OXYGEN FLOW 3.325
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9197. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0260 1.0307

413

15:38 04/21/98
 ID CODE C00000096 MT0.1010 CAL#1
 CARBON 7.943% SULFUR .00033%
 OXYGEN FLOW 3.326
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8672. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0262 1.0309
 *** CLEANING TIME ***

598

15:40 04/21/98
 ID CODE C00000097 MT0.1000 CAL#1
 CARBON 5.168% SULFUR .00013%
 OXYGEN FLOW 3.326
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9610. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0267 1.0309

688

15:41 04/21/98
 ID CODE C00000098 MT0.1000 CAL#1
 CARBON 5.872% SULFUR .00024%
 OXYGEN FLOW 3.324
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 6848. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0264 1.0305

708

15:42 04/21/98
 ID CODE C00000099 MT0.1010 CAL#1
 CARBON 6.589% SULFUR .00032%
 OXYGEN FLOW 3.324
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 8097. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0264 1.0305

728

15:44 04/21/98
 ID CODE C00000100 MT0.1000 CAL#1
 CARBON 7.530% SULFUR .00028%
 OXYGEN FLOW 3.324
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9056. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0264 1.0305

758

15:45 04/21/98
 ID CODE C00000011 MT1.0210 CAL#1
 CARBON 0.8205% SULFUR .00004%
 OXYGEN FLOW 3.320
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 9616. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0254 1.0297

8,818
 Ad

15:48 04/21/98
 ID CODE C00000012 MT0.1010 CAL#1
 CARBON 12.16% SULFUR .00025%
 OXYGEN FLOW 3.327
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 16488. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0263 1.0310

1000₃

15:50 04/21/98
 ID CODE C00000013 MT0.0500 CAL#1
 CARBON 3.617% SULFUR .00030%
 OXYGEN FLOW 3.321
 -C- -S-
 BLANK +.00000 +.00000
 TIME 40. 30.
 PEAK 1590. 0.
 CALIB. 0.5900 0.8981
 K FAC. 1.0253 1.0300

wst