APPENDIX H.3
MERCURY TESTS
(U.S. EPA METHOD 30B)

- **Sampling Data Reduction Worksheets**
- **Field Sampling Data Sheets**

AES GREENIDGE UNIT 4 METHOD 30B TRAIN DATA

FOLLOW-UP TESTING - June 12-13, 2008

Test Number		30B-1		30B-2		30B-3		30B-4	
Location		Stack		Stack		Stack		Stack	
Date		6/12/08		6/12/08		6/13/08		6/13/08	
Train ID (A, B, C, or D)		A	B	A	B	A	B	A	B
Trap ID		1677	1678	1670	1673	1681	1682	1674	1683
Sorbent Batch Lot No.		5355	5355	5355	5355	5355	5355	5355	5355
Start Time		1020	1020	1410	1410	1037	1037	1415	1415
Stop Time		1320	1320	1710	1710	1337	1337	1715	1715
Y factor of dry gas meter	-	1.010	1.010	1.010	1.010	1.010	1.010	1.010	1.010
Gas Volume	- L	359.98	359.96	359.94	359.93	360.15	360.26	360.03	360.11
Meter Temperature	- °F	93.6	93.9	104.1	104.3	104.4	104.4	112.6	112.3
Sample Time	- minutes	180	180	180	180	180	180	180	180
Barometric Pressure	- " Hg	29.59	29.59	29.65	29.65	29.65	29.65	29.62	29.62
% Oxygen	-								
Sample Volume	- dry std. L	342.66	342.59	336.92	336.93	336.94	337.18	331.67	332.05
Sample Volume	- dscm	0.343	0.343	0.337	0.337	0.337	0.337	0.332	0.332

Spike Values:								
Analytical Spike Mass - µg	NA	NA	NA	NA	NA	NA	NA	NA
Analytical Results:								
Section 1 Mass - ng	2.55	1.65	2.52	4.05	4.03	10.5	3.19	1.05
Section 2 Mass - ng	2.67	2.33	3.14	3.08	11.3	3.60	1.40	1.48
Analytical Spike Result - ng	NA	NA	NA	NA	NA	NA	NA	NA
Calculated Results:								
Analytical Spike Recovery - %	NA	NA	NA	NA	NA	NA	NA	NA
Bed Section Breakthrough - %	104.7	141.2	124.6	76.0	280.4	34.3	43.9	141.0
Tube Concentration - µg/dscm	0.015	0.012	0.017	0.021	0.045	0.042	0.014	0.008
Pair Agreement - %	13.47		11.49		4.21		28.99	
Reporting Concentration - µg/dscm	0.013		0.019		0.044		0.011	

Avg % O2 From Simultaneous Tests	8.0	7.9	7.8	8.0
Hg Concentration - µg/dscm @ 3% O2	0.019	0.026	0.060	0.015
COAL DATA:				
% Carbon	77.48	77.26	77.28	77.32
% Hydrogen	5.34	5.38	5.38	5.42
% Nitrogen	1.71	1.71	1.7	1.75
% Sulfur	2.35	2.55	2.51	2.46
% Oxygen	5.82	5.62	5.63	5.79
% Ash	7.3	7.48	7.5	7.26
% Volatile Matter	38.82	38.61	39.1	38.93
Btu/lb	14184	13963	14137	14044
ppm Hg	0.071	0.080	0.080	0.075
F-Factor	9651	9804	9684	9756
Moisture	4.97%	4.40%	4.57%	4.01%
Coal Hg (lb/TBtu)	5.01	5.73	5.66	5.34
Flue Gas Hg (lb/TBtu)	0.01	0.02	0.04	0.01
% Removal (Coal-to-Stack)	99.7%	99.7%	99.3%	99.8%

AES GREENIDGE UNIT 4 METHOD 30B TRAIN DATA

PROCESS PERFORMANCE TESTING - June 16-19, 2008

Test Number		30B-5		30B-6		30B-7		30B-8	
Location		Stack		Stack		Stack		Stack	
Date		6/16/08		6/17/08		6/18/08		6/19/08	
Train ID (A, B, C, or D)		A	B	A	B	A	B	A	B
Trap ID		1669	1675	1241	1277	1206	1259	1671	1676
Sorbent Batch Lot No.		5355	5355	5355	5355	5355	5355	5355	5355
Start Time		1130	1130	1130	1130	1130	1130	1130	1130
Stop Time		1730	1730	1730	1730	1730	1730	1730	1730
Y factor of dry gas meter	-	1.010	1.010	1.010	1.010	1.010	1.010	1.010	1.010
Gas Volume	- L	719.37	719.34	360.07	360.04	360.11	359.42	360.08	360.04
Meter Temperature	- °F	98.5	97.7	82.8	82.9	86.5	86.7	92.9	93.0
Sample Time	- minutes	360	360	360	360	360	360	360	360
Barometric Pressure	- " Hg	29.23	29.23	29.18	29.18	29.18	29.18	29.23	29.23
% Oxygen	-								
Sample Volume	- dry std. L	670.49	671.70	344.73	344.77	342.43	341.79	339.02	339.05
Sample Volume	- dscm	0.670	0.672	0.345	0.345	0.342	0.342	0.339	0.339

Spike Values:								
Analytical Spike Mass - µg	NA	NA	NA	NA	NA	NA	NA	NA
Analytical Results:								
Section 1 Mass - ng	14.1	8.65	15.5	9.00	3.79	3.88	9.30	7.54
Section 2 Mass - ng	3.23	4.49	3.10	4.74	0.71	0.65	<0.25	<0.25
Analytical Spike Result - ng	NA	NA	NA	NA	NA	NA	NA	NA
Calculated Results:								
Analytical Spike Recovery - %	NA	NA	NA	NA	NA	NA	NA	NA
Bed Section Breakthrough - %	22.9	51.9	20.0	52.7	18.7	16.8	2.7	3.3
Tube Concentration - µg/dscm, dry	0.0258	0.0196	0.0540	0.0399	0.0131	0.0133	0.0282	0.0230
Pair Agreement - %	13.84		15.03		0.43		10.16	
Reporting Concentration - µg/dscm	0.023		0.047		0.013		0.026	

Avg % O2 From Simultaneous Tests	8.1	8.9	7.7	7.5
Hg Concentration - µg/dscm @ 3% O2	0.032	0.070	0.018	0.034
COAL DATA:				
% Carbon	76.08	76.97	77.39	76.96
% Hydrogen	5.30	5.42	5.40	5.43
% Nitrogen	1.69	1.71	1.67	1.71
% Sulfur	2.52	2.59	2.48	2.55
% Oxygen	6.01	5.88	5.68	6.06
% Ash	8.41	7.45	7.39	7.31
% Volatile Matter	37.85	39.00	38.77	39.29
Btu/lb	13776	14049	14070	14076
ppm Hg	0.102	0.085	0.076	0.075
F-Factor	9771	9715	9743	9690
Moisture	4.88%	4.84%	5.29%	5.53%
Coal Hg (lb/TBtu)	7.40	6.05	5.40	5.29
Flue Gas Hg (lb/TBtu)	0.02	0.05	0.01	0.02
% Removal (Coal-to-Stack)	99.7%	99.2%	99.8%	99.5%

METHOD 30B Hg SAMPLING FIELD DATA SHEET

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TEST ID	30B-1	METER BOX	5T-1	CAL. DATA: delta H	—	Comments:	
PLANT	GRN	TRAP ID (A/B)	1677 / 1693	Y	1.00483		
LOCATION	STK	PROBE LENGTH [ft]	10	PROBE HTR SETTING	N/A		
DATE	6/12	TRAP LOT (A/B)	5355/5355				
OPERATOR(S)	ARL	%H_2O (Assumed)	17				
AMBIENT TEMP [°F]	75	DUCT X-SECTION	circ ?	rect ?	other:		
BAR. PRESS. ["Hg]	29.59	DUCT DIMENSIONS		DUCT AREA		m^3	

2.436 11.719 ft³

TRAVERSE POINT [port-inch]	CLOCK TIME (24-hr)	SAMPLE TIME [minute]	STACK TEMP [°F]	TRAP TEMP [°F]	HEATED LINE TEMP [°F]	ROTAMETER SETTING LPM A	ROTAMETER SETTING LPM B	METER VACUUM ["Hg] A	METER VACUUM ["Hg] B	METER READING (liters) A	METER READING (liters) B	METER TEMP (°F) A in/out	METER TEMP (°F) B in/out	LAST IMP TEMP [°F] A	LAST IMP TEMP [°F] B	METER EXHAUST O_2 [% vol] A	METER EXHAUST O_2 [% vol] B
	1020									0.000	2.000						
N/A	1030	10	173	unheated		2.0	2.0	5.0	4.0	20.96	21.13	79	79	50	54	NA	NA
	1040	20	173			1.8	1.8	4.5	3.5	41.25	41.44	81	81	49	52		
	1050	30	173			1.8	1.8	4.5	3.5	59.50	59.65	86	86	47	50		
	1100	40	173			2.0	2.0	5.0	4.0	79.85	79.73	90	90	46	49		
	1110	50	173			1.9	1.9	4.5	3.5	100.42	100.42	91	92	46	49		
	1120	60	174			1.9	1.9	4.5	3.5	120.0	120.0	93	93	47	49		
	1130	70	172			1.9	1.9	4.5	3.5	139.9	139.8	94	94	47	50		
	1140	80	172			1.9	1.9	4.5	3.5	160.0	160.2	95	95	47	49		
	1150	90	172			1.9	1.9	4.5	3.5	179.7	179.7	96	96	47	49		
	1200	100	172			1.9	1.9	4.5	3.5	200.0	200.1	96	96	46	48		
	1210	110	173			1.9	1.9	4.5	3.5	219.7	219.8	96	97	46	48		
	1220	120	173			1.9	1.9	4.5	3.5	240.1	240.1	97	97	46	47		
	1230	130	173			1.9	1.9	4.5	3.5	259.8	259.9	97	98	46	47		
	1240	140	174			1.9	1.9	4.5	3.5	280.0	280.0	98	99	46	47		
	1250	150	174			1.9	1.9	4.5	3.5	299.9	299.9	99	99	47	48		
	1300	160	174			1.9	1.9	4.5	3.5	320.1	320.1	99	99	46	47		
	1310	170	173			1.9	1.9	4.5	3.5	339.85	339.8	99	100	47	48		
	1320	180	172			1.9	1.9	4.5	3.5	359.983	359.958	99	100	46	48		
		~~190~~															
AVERAGE			172.9							359.983	359.958	93.6	93.9				

A Train Pre Test 28.801 ft³ @ 20 in. Hg
Leak Checks: Post Test 0.000 ft³ @ 20 in. Hg

B Train: Pre Test 40.12 ft³ @ 20 in. Hg
Post Test 0.000 ft³ @ 20 in. Hg

CONSOLENERGY

2.799 1.080 m³

METHOD 30B Hg SAMPLING FIELD DATA SHEET

TEST ID	Sorbent Trap 30B-2
PLANT	Greenidge
LOCATION	Stack
DATE	6/12/08
OPERATOR(S)	ARG
AMBIENT TEMP [°F]	77
BAR. PRESS. [" Hg]	29.65

METER BOX	ST-1
TRAP ID (A/B)	1670/1673
PROBE LENGTH [ft]	10
TRAP LOT (A/B)	5355/5355
%H_2O (Assumed)	
DUCT X-SECTION	circ ? / rect ? / other:
DUCT DIMENSIONS	
DUCT AREA	

CAL. DATA: delta H	—
Y	1.00985
PROBE HTR SETTING	

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Comments:

m^3

2.7885 / 1.0820

TRAVERSE POINT [port-inch]	CLOCK TIME (24-hr)	SAMPLE TIME [minute]	STACK TEMP [°F]	TRAP TEMP [°F]	HEATED LINE TEMP [°F]	ROTAMETER SETTING LPM A	ROTAMETER SETTING LPM B	METER VACUUM [" Hg] A	METER VACUUM [" Hg] B	METER READING (liters) A	METER READING (liters) B	METER TEMP (°F) A in/out	METER TEMP (°F) B in/out	LAST IMP TEMP [°F] A	LAST IMP TEMP [°F] B	METER EXHAUST O_2 [% vol] A	METER EXHAUST O_2 [% vol] B
	1410									0.000	0.000						
N/A	1420	10	174	Unheated		2.0	2.0	5.0	5.5	20.0	20.0	91	90	52	54	NA	
	1430	20	173			1.9	1.9	4.5	5.5	39.9	39.9	94	93	53	54		
	1440	30	173			1.9	1.9	4.5	5.5	60.0	60.0	97	96	53	54		
	1450	40	173			1.9	1.9	4.5	5.5	79.9	79.9	100	99	53	54		
	1500	50	173			1.9	1.9	4.5	5.5	100.0	100.0	102	101	53	54		
	1510	60	173			1.9	1.9	4.5	5.5	119.9	120.0	104	103	53	54		
	1520	70	173			1.9	1.9	4.5	5.5	140.2	140.3	104	104	54	55		
	1530	80	173			1.9	1.9	4.5	5.5	159.8	159.8	105	105	54	55		
	1540	90	173			1.9	1.9	4.5	5.5	180.2	180.1	105	106	54	55		
	1550	100	172			1.9	1.9	4.5	5.5	199.8	199.8	105	106	54	56		
	1600	110	173			1.9	1.9	4.5	5.5	220.0	220.1	106	~~106~~ 107	~~107~~ 54	55		
	1610	120	173			1.9	1.9	4.5	5.5	240.0	240.1	107	107	54	55		
	1620	130	173			1.9	1.9	4.5	5.5	259.9	259.8	108	108	54	55		
	1630	140	173			1.9	1.9	4.5	5.5	280.0	280.0	108	109	54	55		
	1640	150	173			1.9	1.9	4.5	5.5	300.2	300.1	109	110	55	55		
	1650	160	173			1.9	1.9	4.5	5.5	319.7	319.9	109	110	55	55		
	1700	170	173			1.9	1.9	4.5	5.5	339.9	340.2	110	111	56	55		
	1710	180	172			1.9	1.9	4.5	5.5	359.939	359.931	110	112	56	56		
AVERAGE			172.9							359.939	359.931	104.1	104.3				

Leak Checks: A Train Pre Test <0.001 ft³ @ 20 in. Hg; Post Test <0.001 ft³ @ 20 in. Hg

B Train: Pre Test <0.001 ft³ @ 20 in. Hg; Post Test <0.001 ft³ @ 20 in. Hg

3.1404 | 1.4426

m^3

CONSOL ENERGY

METHOD 30B Hg SAMPLING FIELD DATA SHEET

TEST ID	30B-3
PLANT	Greenridge
LOCATION	Stack
DATE	6/13/08
OPERATOR(S)	ARG
AMBIENT TEMP [°F]	81
BAR. PRESS. [" Hg]	27.65

METER BOX	GT-1
TRAP ID (A/B)	1651 / 1682
PROBE LENGTH [ft]	10
TRAP LOT (A/B)	5355/5355
%H_2O (Assumed)	
DUCT X-SECTION	circ ? / rect ? / other:
DUCT DIMENSIONS	DUCT AREA

CAL. DATA: delta H	
Y	
PROBE HTR SETTING	

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Comments: _____

3.1112 / 1.4436 m^3

TRAVERSE POINT [port-inch]	CLOCK TIME (24-hr)	SAMPLE TIME [minute]	STACK TEMP [°F]	TRAP TEMP [°F]	HEATED LINE TEMP [°F]	ROTAMETER SETTING LPM A	ROTAMETER SETTING LPM B	METER VACUUM [" Hg] A	METER VACUUM [" Hg] B	METER READING (liters) A	METER READING (liters) B	METER TEMP (°F) A in/out	METER TEMP (°F) B in/out	LAST IMP TEMP [°F] A	LAST IMP TEMP [°F] B	METER EXHAUST O_2 [% vol] A	METER EXHAUST O_2 [% vol] B
	10:37									0.000	0.000						
NA	1047	10	174	Unheated		1.9	1.9	4.5	5.5	19.8	19.9	81	81	54	58	NA	
	1057	20	174			2.0	2.0	5.0	5.5	40.0	40.1	86	86	53	57		
	1107	30	173			2.0	2.0	5.0	5.5	59.7	59.9	92	92	53	57		
	1117	40	173			1.9	1.9	4.5	5.5	79.8	79.9	96	96	53	56		
	1127	50	173			2.0	2.0	5.0	5.5	99.8	99.9	101	101	53	56		
	1137	60	173			1.9	1.9	5.0	5.5	120.0	120.0	103	103	54	56		
	1147	70	173			2.0	2.0	5.0	5.5	139.9	140.0	104	104	55	56		
	1157	80	173			1.9	1.9	5.0	5.5	159.9	159.9	106	105	54	56		
	1207	90	173			1.9	1.9	5.0	5.5	179.8	180.0	108	108	53	54		
	1217	100	173			1.9	1.9	4.5	5.5	200.1	200.0	109	109	52	54		
	1227	110	173			1.9	1.9	4.5	5.5	220.2	220.2	110	110	53	54		
	1237	120	173			1.9	1.9	4.5	5.0	239.8	239.9	110	111	53	55		
	1247	130	173			1.9	1.9	4.5	5.0	260.0	260.0	111	111	54	56		
	1257	140	173			1.9	1.9	4.5	5.0	280.1	280.0	112	112	56	57		
	1307	150	173			1.9	1.9	4.5	5.0	299.8	300.0	112	112	58	59		
	1317	160	173			1.9	1.9	4.5	5.0	319.9	320.0	113	113	59	60		
	1327	170	173			1.9	1.9	4.5	5.0	340.2	340.2	113	113	60	61		
	1337	180	173			1.9	1.9	4.5	5.0	360.154	360.261	113	113	60	62		
AVERAGE			173.1							360.154	360.261	104.4	104.4				

A Train Leak Checks: Pre Test 0.001 ft^3 @ 15 in. Hg; Post Test 0.001 ft^3 @ 14 in. Hg

B Train: Pre Test 0.001 ft^3 @ 15 in. Hg; Post Test 0.001 ft^3 @ 14 in. Hg

CONSOL ENERGY

3.4934 / 1.8044 m^3

METHOD 30B Hg SAMPLING FIELD DATA SHEET

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TEST ID	30B-4	METER BOX	ST-1	CAL. DATA: delta H		Comments:	
PLANT	Greenidge	TRAP ID (A/B)	1674 / 1653	Y			
LOCATION	Stack	PROBE LENGTH [ft]	10	PROBE HTR SETTING			
DATE	6/13/08	TRAP LOT (A/B)	5355 / 5355				
OPERATOR(S)	ABLG	%H_2O (Assumed)					
AMBIENT TEMP [°F]	88	DUCT X-SECTION	circ ?	rect ?	other:		
BAR. PRESS. [" Hg]	29.62	DUCT DIMENSIONS		DUCT AREA			

3.4952 | 1.8072

TRAVERSE POINT [port-inch]	CLOCK TIME (24-hr)	SAMPLE TIME [minute]	STACK TEMP [°F]	TRAP TEMP [°F]	HEATED LINE TEMP [°F]	ROTAMETER SETTING LPM A	ROTAMETER SETTING LPM B	METER VACUUM [" Hg] A	METER VACUUM [" Hg] B	METER READING (liters) A	METER READING (liters) B	METER TEMP (°F) A in/out	METER TEMP (°F) B in/out	LAST IMP TEMP [°F] A	LAST IMP TEMP [°F] B	METER EXHAUST O_2 [% vol] A	METER EXHAUST O_2 [% vol] B
	1415	0								0.000	0.000						
NA	1425	10	173	Unheated		2.0	2.0	5.0	5.0	20.0	20.1	104	104	51	58	N/A	
	1435	20	173			2.0	2.0	5.0	5.0	39.9	40.0	105	105	53	57		
	1445	30	173			2.0	2.0	5.0	5.0	59.9	60.0	107	107	54	55		
	1455	40	172			1.9	1.9	4.5	5.0	79.7	79.9	109	109	52	55		
	1505	50	173			1.9	1.9	4.5	5.0	100.1	100.0	110	110	52	54		
	1515	60	174			1.9	1.9	4.5	5.0	120.0	120.0	111	111	54	55		
	1525	70	173			1.9	1.9	4.5	5.0	139.9	139.9	112	112	52	55		
	1535	80	174			1.9	1.9	4.5	5.0	159.9	160.1	113	113	54	56		
	1545	90	173			1.9	1.9	4.5	5.0	180.1	180.3	114	114	52	55		
	1555	100	173			1.9	1.9	4.5	5.0	199.9	200.0	115	114	54	56		
	1605	110	173			1.9	1.9	4.5	5.0	220.1	220.0	115	115	54	57		
	1615	120	173			1.9	1.9	4.5	5.0	240.1	240.0	116	116	55	58		
	1625	130	173			1.9	1.9	4.5	5.0	260.0	260.0	115	116	54	57		
	1635	140	173			1.9	1.9	4.5	5.0	279.8	279.9	116	115	55	57		
	1645	150	173			1.9	1.9	4.5	5.0	300.1	300.0	115	115	54	57		
	1655	160	172			1.9	1.9	4.5	5.0	319.9	319.9	116	115	53	55		
	1705	170	173			1.9	1.9	4.5	5.0	339.8	339.7	116	115	53	54		
	1715	180	173			1.9	1.9	4.5	5.0	360.031	360.113	117	116	52	53		
AVERAGE			173.0							360.031	360.113	112.6	112.3				

A Train Pre Test 40.001 ft³ @ 16.5 in. Hg
Leak Checks: Post Test 40.001 ft³ @ 11 in. Hg

B Train: Pre Test 40.001 ft³ @ 20 in. Hg
Post Test 40.001 ft³ @ 11 in. Hg

CONSOL ENERGY

3.9472 | 2.1600 m³

METHOD 30B Hg SAMPLING FIELD DATA SHEET

TEST ID	5
PLANT	Greenidge
LOCATION	Stack
DATE	6/16
OPERATOR(S)	PR / BS
AMBIENT TEMP [°F]	75
BAR. PRESS. [" Hg]	29.23

METER BOX	303-1
TRAP ID (A/B)	1669/1675
PROBE LENGTH [ft]	6
TRAP LOT (A/B)	5355/5355
%H_2O (Assumed)	
DUCT X-SECTION	circ ? / rect ? / other:
DUCT DIMENSIONS	
DUCT AREA	

CAL. DATA: delta H	
Y	1.010/1.010
PROBE HTR SETTING	

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Comments: Meter Vac was read off cm Hg vac scale not in Hg vac
AR 6 6/16/08
reroute in Heated strap columns

TRAVERSE POINT [port-inch]	CLOCK TIME (24-hr)	SAMPLE TIME [minute]	STACK TEMP [°F]	TRAP TEMP [°F] (M A Vac)	HEATED LINE TEMP [°F] (M B Vac)	ROTAMETER SETTING LPM A	ROTAMETER SETTING LPM B	METER VACUUM [" Hg] A	METER VACUUM [" Hg] B	METER READING (liters) A	METER READING (liters) B	METER TEMP (°F) A in/out	METER TEMP (°F) B in/out	LAST IMP TEMP [°F] A	LAST IMP TEMP [°F] B	METER EXHAUST O_2 [% vol] A	METER EXHAUST O_2 [% vol] B
NA	11:30	0	176	6 5	6 5	2.0	2.0	12	12	0	0	80	80	56	57	NA	
	12:00	30	176	6	6 5	2.0	2.0	15	12	60.55	60.86	85	85	54	53		
	12:30	60	176	6	6 5	2.1	2.1	15	12	120.07	120.25	95	96	52	53		
	13:05	95	174	5.5	4	2.0	2.0	14	10	190.42	190.80	103	102	54	53		
	14:00	150	174	5	4	2.0	2.0	12	10	299.40	299.30	105	104	54	56		
	14:33	183	174	5	4	2.0	2.0	12	10	365.25	363.70	104	102	52	52		
	15:00	210	175	5	4	2.0	2.0	12	10	419.11	419.88	101	100	51	53		
	15:35	245	175	5	4	2.0	2.0	12	10	491.15	492.30	103	102	52	54		
	14:30	300	173	5	4	2.0	2.0	12	10	605.57	606.98	101	100	50	42		
	15:00	330	174	5	4	2.0	2.0	12	10	665.40	665.40	103	102	49	44		
	15:30	360	175	5	4	2.0	2.0	12	10	719.37	719.34	103	102	50	44		
				Unheated													
AVERAGE			174.7			2.0	2.0			719.37	719.34	98.5	97.7				

A Train Leak Checks: Pre Test <0.001 ft³ @ 15 in. Hg; Post Test <0.001 ft³ @ 20 in. Hg

B Train: Pre Test <0.001 ft³ @ 15 in. Hg; Post Test <0.001 ft³ @ 20 in. Hg

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METHOD 30B Hg SAMPLING FIELD DATA SHEET

TEST ID	Test #6
PLANT	Greenidge
LOCATION	STACK
DATE	6/17/08
OPERATOR(S)	PR.
AMBIENT TEMP [°F]	68
BAR. PRESS. [" Hg]	29.18

METER BOX				
TRAP ID (A/B)	C/D 1274/1277			
PROBE LENGTH [ft]				
TRAP LOT (A/B)	5355/5355			
%H_2O (Assumed)				
DUCT X-SECTION	circ ?	rect ?	other:	
DUCT DIMENSIONS		DUCT AREA		

CAL. DATA: delta H	
Y	1.010/1.011
PROBE HTR SETTING	

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Comments: _____

TRAVERSE POINT [port-inch]	CLOCK TIME (24-hr)	SAMPLE TIME [minute]	STACK TEMP [°F]	TRAP TEMP [°F]	HEATED LINE TEMP [°F]	ROTAMETER SETTING LPM A	ROTAMETER SETTING LPM B	METER VACUUM [" Hg] A	METER VACUUM [" Hg] B	METER READING (liters) A	METER READING (liters) B	METER TEMP (°F) A in/out	METER TEMP (°F) B in/out	LAST IMP TEMP [°F] A	LAST IMP TEMP [°F] B	METER EXHAUST O_2 [% vol] A	METER EXHAUST O_2 [% vol] B
	11:30	0								0	0						
	12:00	30	174	Unheated		1.0	1.0	3.0	3.0	30.00	29.86	70	71	53	44		
	12:30	60	173			1.0	1.0	3.0	3.0	59.44	60.65	81	80	45	42		
	13:35	125	172			1.0	1.0	3.0	3.0	123.00	124.24	85	85	52	42		
	14:00	150	173			1.0	1.0	3.0	3.0	150.60	152.25	85	85	53	44		
	15:30	240	174			1.0	1.0	3.0	3.0	241.36	243.50	89	89	50	41		
	16:00	270	174			1.0	1.0	3.0	3.0	269.48	273.03	87	87	50	42		
	16:30	300	174			1.0	1.0	3.0	3.0	300.08	301.10	82	83	48	41		
	17:00	330	174			1.0	1.0	3.0	3.0	329.62	329.21	83	83	46	42		
	17:30	360	174			1.0	1.0	3.0	3.0	360.07	360.04	83	83	44	42		
AVERAGE			173.6			1.0	1.0			360.07	360.04	82.8	82.9				

A Train Pre Test <0.001 ft³ @ 15 in. Hg
Leak Checks: Post Test <0.001 ft³ @ 6 in. Hg

B Train: Pre Test <.001 ft³ @ 15 in. Hg
Post Test <.001 ft³ @ 6 in. Hg

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METHOD 30B Hg SAMPLING FIELD DATA SHEET

TEST ID	GREN. Test 7
PLANT	Greenid...
LOCATION	STACK
DATE	6/18/08
OPERATOR(S)	PR/BS
AMBIENT TEMP [°F]	62
BAR. PRESS. [" Hg]	29.18

METER BOX	
TRAP ID (A/B)	
PROBE LENGTH [ft]	
TRAP LOT (A/B)	5355
%H_2O (Assumed)	

DUCT X-SECTION: circ ? | rect ? | other:

DUCT DIMENSIONS | DUCT AREA

CAL. DATA: delta H	
Y	
PROBE HTR SETTING	

Page ____ of ____

Comments: _____

TRAVERSE POINT [port-inch]	CLOCK TIME (24-hr)	SAMPLE TIME [minute]	STACK TEMP [°F]	TRAP TEMP [°F]	HEATED LINE TEMP [°F]	ROTAMETER SETTING LPM A	ROTAMETER SETTING LPM B	METER VACUUM [" Hg] A	METER VACUUM [" Hg] B	METER READING (liters) A	METER READING (liters) B	METER TEMP (°F) A in/out	METER TEMP (°F) B in/out	LAST IMP TEMP [°F] A	LAST IMP TEMP [°F] B	METER EXHAUST O_2 [% vol] A	METER EXHAUST O_2 [% vol] B
	11:30	0								0	0						
	12:00	30	177			1.0	1.0	2.0	2.0	30.01	30.15	66	65	42	44		
	12:30	60	175			1.0	1.0	2.0	2.0	59.72	59.63	79	79	41	42		
	13:00	90	175			1.0	1.0	2.0	2.0	90.14	90.50	84	85	42	44		
	13:30	120	175			1.0	1.0	2.0	2.0	119.08	119.92	88	89	38	42		
	14:05	155	175			1.0	1.0	2.0	2.0	156.36	157.55	91	91	41	43		
	14:30	180	175			1.0	1.0	2.0	2.0	179.72	180.67	92	91	41	44		
	15:00	210	175			1.0	1.0	2.0	2.0	210.40	210.34	92	92	40	43		
	16:00	270	175			1.0	1.0	2.0	2.0	269.30	272.40	88	90	41	47		
	16:30	300	175			1.0	1.0	2.0	2.0	300.35	299.72	89	90	42	46		
	17:00	330	176			1.0	1.0	2.0	2.0	329.50	328.65	90	90	42	47		
	17:30	360	176			1.0	1.0	2.0	2.0	360.11	359.42	92	92	42	46		
AVERAGE		360	175.4							360.11	359.42	86.5	86.7				

A Train Leak Checks: Pre Test <.001 ft³ @ 15 in. Hg; Post Test <.001 ft³ @ 5 in. Hg

B Train: Pre Test <.001 ft³ @ 15 in. Hg; Post Test <.001 ft³ @ 5 in. Hg

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METHOD 30B Hg SAMPLING FIELD DATA SHEET

TEST ID	8	METER BOX		CAL. DATA: delta H		Comments:	
PLANT	Greenridge	C/D TRAP ID (A/B)	1671 / 1676	Y			
LOCATION	STAK.	PROBE LENGTH [ft]		PROBE HTR SETTING			
DATE	6-19-08	C/D TRAP LOT (A/B)	5355/5355				
OPERATOR(S)	PR	%H_2O (Assumed)					
AMBIENT TEMP [°F]	62	DUCT X-SECTION	circ ? / rect ? / other:				
BAR. PRESS. [" Hg]	29.23	DUCT DIMENSIONS	DUCT AREA				

TRAVERSE POINT [port-inch]	CLOCK TIME (24-hr)	SAMPLE TIME [minute]	STACK TEMP [°F]	TRAP TEMP [°F]	HEATED LINE TEMP [°F]	ROTAMETER SETTING LPM A	ROTAMETER SETTING LPM B	METER VACUUM [" Hg] A	METER VACUUM [" Hg] B	METER READING (liters) A	METER READING (liters) B	METER TEMP (°F) A in/out	METER TEMP (°F) B in/out	LAST IMP TEMP [°F] A	LAST IMP TEMP [°F] B	METER EXHAUST O_2 [% vol] A	METER EXHAUST O_2 [% vol] B
	11:30	0								0	0						
	12:00	30	180			1.0	1.0	2.0	2.0	29.28	29.43	88	88	41	39		
	12:30	60	180			"	"	"	"	60.69	60.72	90	90	40	40		
	13:00	—	—	—		—	—	—	—	—	—			—	—		
	13:30	120	180			1.0	1.0	2.0	2.0	119.32	122.79	93	94	38	38		
	14:00	150	181			"	"	"	"	149.88	150.13	95	95	40	41		
	14:30	180	179			"	"	"	"	180.38	180.05	93	93	43	43		
	15:00	210	174			"	"	"	"	211.07	210.79	91	91	43	44		
	15:30	240	179			"	"	"	"	240.54	240.07	93	93	43	45		
	16:00	270	179			"	"	"	"	269.00	270.06	95	95	43	44		
	16:30	300	180			"	"	"	"	299.44	299.98	95	95	45	45		
	17:00	330	179			"	"	"	"	330.49	330.30	95	95	44	45		
	17:30	360	180			"	"	"	"	360.08	360.04	94	94	47	47		
AVERAGE			179.6							360.08	360.04	92.9	93.0				

A Train Leak Checks: Pre Test ≤ .001 ft³ @ 15 in. Hg; Post Test ≤ .001 ft³ @ 5 in. Hg

B Train: Pre Test ≤ .001 ft³ @ 15 in. Hg; Post Test ≤ .001 ft³ @ 5 in. Hg

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