

**US EPA Region 4**  
**Yellow Bluff Air Study**  
**Wilcox County, Alabama**  
**SESD Project Identification Number: 11-0068**  
**November 2010 – December 2010**

**H<sub>2</sub>S CALIBRATION / VERIFICATION**

**AIR SAMPLING LOGBOOK**

LOGBOOK 1 OF 1

DATES: 1/24/11 THRU: 1/28/11



**US EPA Region 4**  
**Yellow Bluff Air Study**  
**Wilcox County, Alabama**  
**SESD Project Identification Number: 11-0068**  
**November 2010 – December 2010**

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**US EPA Region 4**  
**Yellow Bluff Air Study**  
**Wilcox County, Alabama**  
**SESD Project Identification Number: 11-0068**  
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**H<sub>2</sub>S Calibration / Verification**

**US EPA Region 4**  
**Yellow Bluff Air Study**  
**Wilcox County, Alabama**  
**SESD Project Identification Number: 11-0068**  
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# US EPA Region 4

Yellow Bluff Air Study

Wilcox County, Alabama

SESD Project Identification Number: 11-0068

November 2010 – December 2010

Station I.D. YBB

Site Description ROLAND COOPER ST. PARK (BACKGROUND)

Date: 11/24/11 Time: 10:07 Operator: GREG NOAH

CALIBRATION SYSTEM	
Gas Calibrator ID:	<u>EPA 77045</u>
MFC(s) Calibrated:	<u>10, 27, 10</u>
Gas Cylinder Mfg.:	<u>SCOTT AIR LIQUIDE</u>
Cylinder ID:	<u>FF 4221</u> <small>AMERICA</small>
Concentration:	<u>5.70</u> H <sub>2</sub> S PPM
Cert Date:	<u>8, 27, 10</u>

H <sub>2</sub> S MONITOR	
Monitor ID:	<u>EPA A77126</u>
SETTINGS:	TEMPERATURES:
COEF: <u>1.002</u>	INT.: <u>31.3</u> C
BKG: <u>N/A</u> PPB	CHAMBER: <u>44.9</u> C
RANGE: <u>200</u> PPB	CONVERTER: <u>322</u> C
AVG. TIME: <u>60</u> sec	

CALIBRATION SYSTEM				H <sub>2</sub> S MONITOR / DATA LOGGER	
Total Flow Setting cc/min.	Concentration Setting H <sub>2</sub> S (PPB)	Zero Air Flow cc/min	Cal. Gas Flow cc/min	Monitor H <sub>2</sub> S (PPB)	Data Logger H <sub>2</sub> S (PPB)
1988	ZERO	1988	0.00	0.10	0.3
1988	160	1930	55.97	156.4	155.5
1984	70	1962	24.46	67.9	68.1
		INITIAL CALIBRATION			

SETTINGS CHANGED?  YES OR NO (CIRCLE ONE)

NEW SETTINGS: Note: If calibration setting changed, then you must re-verify.

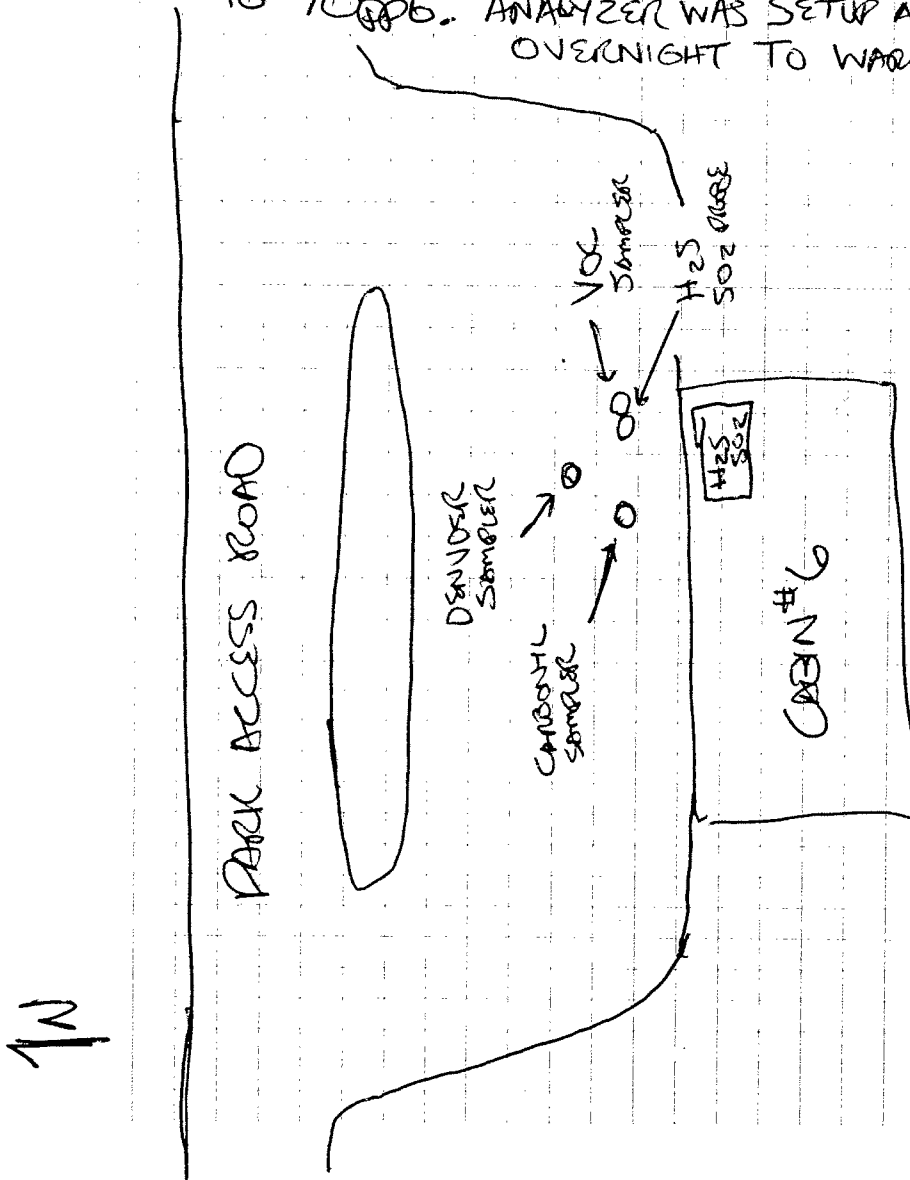
COEF: 0.982 BKG: N/A PPB RANGE: 200 PPB AVG. TIME: 60 sec

**US EPA Region 4**  
**Yellow Bluff Air Study**  
**Wilcox County, Alabama**  
**SESD Project Identification Number: 11-0068**  
**November 2010 – December 2010**

*Continuation of field record for sample Y00 H<sub>2</sub>S CALIBRATION*

**Other Notes/Sketch** (Include North and Scale)

REMOVED PRECISION CHECK POINT FROM 145 ppb  
TO 70 ppb. ANALYZER WAS SETUP AND OPERATED  
OVERNIGHT TO WARM-UP.



Sample Team Leader/Sampler Signature/Date *[Signature]* 1/24/11

# US EPA Region 4

Yellow Bluff Air Study  
Wilcox County, Alabama

SESD Project Identification Number: 11-0068

November 2010 – December 2010

Station I.D. YBB

Site Description ROLAND COOPER STATE PARK (BACKGROUND) C68 IN #6

Date: 11:33 <sup>11/24/11</sup> <sub>11/24/11</sub> Time: 11:33 Operator: GMB NOAA

CALIBRATION SYSTEM	
Gas Calibrator ID:	<u>EPA A77045</u>
MFC(s) Calibrated:	<u>10, 27, 10</u>
Gas Cylinder Mfg.:	<u>SCOTT AIR LIQUIDE</u>
Cylinder ID:	<u>FF 4221</u> <small>AMERICA</small>
Concentration:	<u>5.70</u> H2S PPM
Cert Date:	<u>8, 27, 10</u>

H <sub>2</sub> S MONITOR	
Monitor ID:	<u>EPA A77126</u>
SETTINGS:	TEMPERATURES:
COEF: <u>0.982</u>	INT.: <u>31.3</u> C
BKG: <u>N/A</u> PPB	CHAMBER: <u>44.9</u> C
RANGE: <u>200</u> PPB	CONVERTER: <u>322</u> C
AVG. TIME: <u>60</u> sec	

CALIBRATION SYSTEM				H <sub>2</sub> S MONITOR / DATA LOGGER	
Total Flow Setting cc/min.	Concentration Setting H <sub>2</sub> S (PPB)	Zero Air Flow cc/min	Cal. Gas Flow cc/min	Monitor H <sub>2</sub> S (PPB)	Data Logger H <sub>2</sub> S (PPB)
1985	ZERO	1985	0.00	0.1	0.1
1988	160	1928	55.94	160.0	160.0
		CALIBRATION VERIFICATION			

SETTINGS CHANGED? YES OR NO (CIRCLE ONE)

NEW SETTINGS: Note: If calibration setting changed, then you must re-verify.

COEF: \_\_\_\_\_ BKG: \_\_\_\_\_ PPB RANGE: \_\_\_\_\_ PPB AVG. TIME: \_\_\_\_\_ sec

**US EPA Region 4**  
**Yellow Bluff Air Study**  
**Wilcox County, Alabama**  
**SESD Project Identification Number: 11-0068**  
**November 2010 – December 2010**

*Continuation of field record for sample* YBB H<sub>2</sub>S CONT, CAL. VERIFICATION

**Other Notes/Sketch** (Include North and Scale)

Sample Team Leader/Sampler Signature/Date

 1/24/11



# US EPA Region 4

Yellow Bluff Air Study

Wilcox County, Alabama

SESD Project Identification Number: 11-0068

November 2010 – December 2010

Station I.D. YBA

Site Description YELLOW BLUFF TOWN HALL

Date: 1/24/11 Time: 16:34 Operator: GREG NOAH

CALIBRATION SYSTEM	
Gas Calibrator ID:	<u>EPA A77045</u>
MFC(s) Calibrated:	<u>10 / 27 / 10</u>
Gas Cylinder Mfg.:	<u>SCOTT AIR LIQUIDE</u>
Cylinder ID:	<u>FF 418 AMERICA 4221 or 1/26/11</u>
Concentration:	<u>5.70 or 1/26/11</u> <u>10.08 H2S PPM</u>
Cert Date:	<u>8 / 30 / 2010</u>

H <sub>2</sub> S MONITOR	
Monitor ID:	<u>EPA <del>A77045</del> <del>926450</del> 926450</u> <sup>1/26/11</sup>
SETTINGS:	TEMPERATURES:
COEF: <u>1.026</u>	INT.: <u>26.9</u> C
BKG: <u>N/A</u> PPB	CHAMBER: <u>42.9</u> C
RANGE: <u>200</u> PPB	CONVERTER: <u>377</u> C
AVG. TIME: <u>60</u> sec	

CALIBRATION SYSTEM				H <sub>2</sub> S MONITOR / DATA LOGGER	
Total Flow Setting cc/min.	Concentration Setting H <sub>2</sub> S (PPB)	Zero Air Flow cc/min	Cal. Gas Flow cc/min	Monitor H <sub>2</sub> S (PPB)	Data Logger H <sub>2</sub> S (PPB)
1989	ZERO	1989	0.00	-0.32	-1.07
1986	160	1930	55.99	154.9	154.7
1962	70	1961.8	24.48	68.3	68.9
INITIAL CALIBRATION					

SETTINGS CHANGED? YES OR NO (CIRCLE ONE)

NEW SETTINGS: Note: If calibration setting changed, then you must re-verify.

COEF: 0.992 BKG: N/A PPB RANGE: 200 PPB AVG. TIME: 60 sec

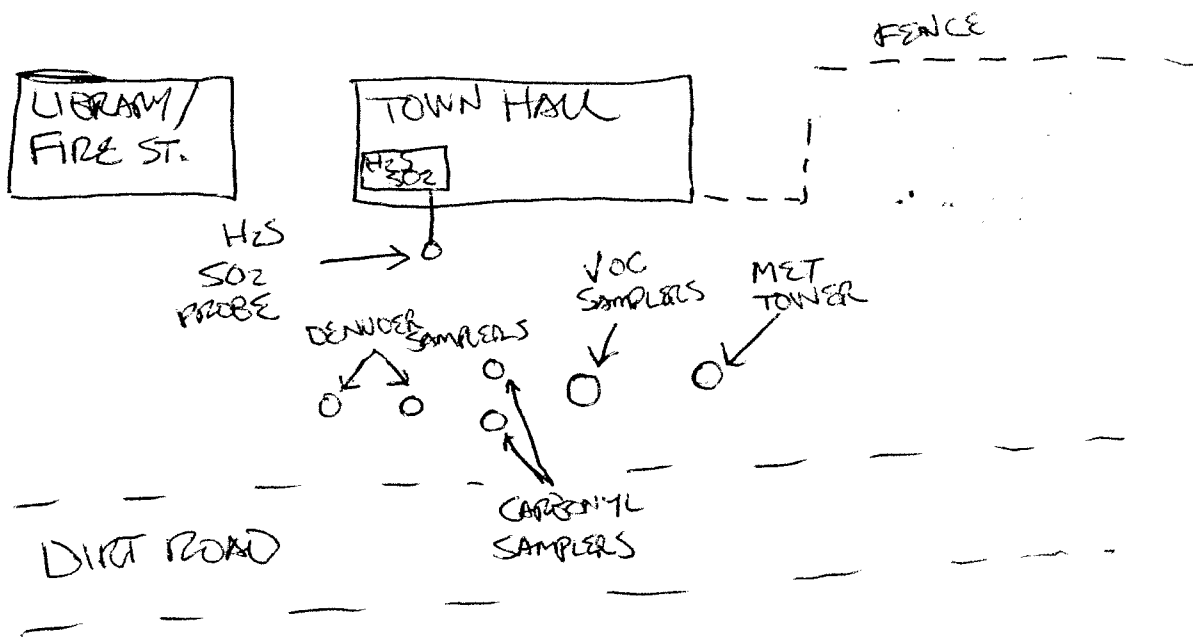
**US EPA Region 4**  
**Yellow Bluff Air Study**  
**Wilcox County, Alabama**  
**SESD Project Identification Number: 11-0068**  
**November 2010 – December 2010**

Continuation of field record for sample YBA

Other Notes/Sketch (Include North and Scale)

INITIAL CALIBRATION

PARK AVENUE



Sample Team Leader/Sampler Signature/Date  1/24/11

**US EPA Region 4**  
**Yellow Bluff Air Study**  
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**November 2010 – December 2010**

Station I.D. YBA

Site Description YELLOW BLUFF TOWN HALL

Date: 1/24/11 Time: 5:28 Operator: GRIG NCAH

**CALIBRATION SYSTEM**

Gas Calibrator ID: EPA A17045

MFC(s) Calibrated: 10, 27, 10

Gas Cylinder Mfg.: SCOTT AIR LIQUID AMERICA

Cylinder ID: FF 4185 4221 <sup>5.70 1/28/11</sup> <sub>1/24/11</sub>

Concentration: +0.08 H2S PPM

Cert Date: 8 / 30 / 2010

**H<sub>2</sub>S MONITOR**

Monitor ID: A27126 on 1/26/11  
~~EPA 926450~~ 926450

SETTINGS:	TEMPERATURES:
COEF: <u>1.026</u>	INT.: <u>26.3</u> C
BKG: <u>N/A</u> PPB	CHAMBER: <u>42.8</u> C
RANGE: <u>200</u> PPB	CONVERTER: <u>378</u> C
AVG. TIME: <u>60</u> sec	

CALIBRATION SYSTEM				H <sub>2</sub> S MONITOR / DATA LOGGER	
Total Flow Setting cc/min.	Concentration Setting H <sub>2</sub> S (PPB)	Zero Air Flow cc/min	Cal. Gas Flow cc/min	Monitor H <sub>2</sub> S (PPB)	Data Logger H <sub>2</sub> S (PPB)
1990	ZERO	1990	0.00	-0.26	-0.31
1992	160	1930	55.99	159.6	160.0
CALIBRATION VERIFICATION					

SETTINGS CHANGED? YES OR NO (CIRCLE ONE)

NEW SETTINGS: Note: If calibration setting changed, then you must reverify.

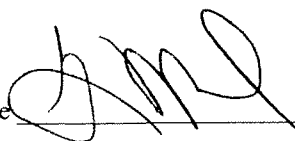
COEF: N/A BKG: N/A PPB RANGE: N/A PPB AVG. TIME: N/A sec

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*Continuation of field record for sample* YBA

**Other Notes/Sketch** (Include North and Scale)

Sample Team Leader/Sampler Signature/Date

 1/24/11

# US EPA Region 4

Yellow Bluff Air Study

Wilcox County, Alabama

SESD Project Identification Number: 11-0068

November 2010 – December 2010

Station I.D. YBA

Site Description YELLOW BLUFF TOWN HALL

Date: 1/25/11 Time: 17:45 Operator: GREB NOAH

CALIBRATION SYSTEM	
Gas Calibrator ID:	_____
MFC(s) Calibrated:	____/____/____
Gas Cylinder Mfg.:	_____
Cylinder ID:	_____
Concentration:	_____ H2S PPM
Cert Date:	____/____/____

H <sub>2</sub> S MONITOR	
Monitor ID:	_____
SETTINGS:	TEMPERATURES:
COEF: _____	INT.: _____ C
BKG: _____ PPB	CHAMBER: _____ C
RANGE: _____ PPB	CONVERTER: _____ C
AVG. TIME: _____ sec	

CALIBRATION SYSTEM				H <sub>2</sub> S MONITOR / DATA LOGGER	
Total Flow Setting cc/min.	Concentration Setting H <sub>2</sub> S (PPB)	Zero Air Flow cc/min	Cal. Gas Flow cc/min	Monitor H <sub>2</sub> S (PPB)	Data Logger H <sub>2</sub> S (PPB)
	ZERO		0.00	<i>[Handwritten Signature]</i>	

SETTINGS CHANGED?	YES	OR	NO	(CIRCLE ONE)
NEW SETTINGS: Note: If calibration setting changed, then you must re-verify.				
COEF: _____	BKG: _____ PPB	RANGE: _____ PPB	AVG. TIME: _____ sec	


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*Continuation of field record for sample* YBA

**Other Notes/Sketch** (Include North and Scale)

DOWNLOADED MINUTE, HOURLY, AND POWER FAILURE  
DATA FROM H<sub>2</sub>S / SO<sub>2</sub> ANALYZER.

Sample Team Leader/Sampler Signature/Date

 1/25/11

# US EPA Region 4

Yellow Bluff Air Study

Wilcox County, Alabama

SESD Project Identification Number: 11-0068

November 2010 – December 2010

Station I.D. YBB

Site Description ROLAND COOPER STATE PARK (BACKGROUND) CABIN #6

Date: 1/26/11 Time: 10:44 Operator: ALAN NOAH

CALIBRATION SYSTEM	
Gas Calibrator ID:	<u>EPA A77045</u>
MFC(s) Calibrated:	<u>10 / 27 / 10</u> <u>SCOTT AIR LIQUIDE</u>
Gas Cylinder Mfg.:	<u>AMERICA</u>
Cylinder ID:	<u>FF 4185 4221</u>
Concentration:	<u>5.70 @ 1/26/11</u> <u>6 @ 1/26/11</u> <u>10.08</u> H2S PPM
Cert Date:	<u>8 / 27 / 2010</u>

H <sub>2</sub> S MONITOR	
A77126 @ 1/26/11	
Monitor ID:	<u>EPA 926450</u>
SETTINGS:	TEMPERATURES:
COEF: <u>0.982</u>	INT.: <u>31°0</u> C
BKG: <u>N/A</u> PPB	CHAMBER: <u>44.9</u> C
RANGE: <u>200</u> PPB	CONVERTER: <u>322</u> C
AVG. TIME: <u>60</u> sec	

CALIBRATION SYSTEM				H2S MONITOR / DATA LOGGER	
Total Flow Setting cc/min.	Concentration Setting H2S (PPB)	Zero Air Flow cc/min	Cal. Gas Flow cc/min	Monitor H2S (PPB)	Data Logger H2S (PPB)
1989.1	ZERO	1989.1	0.00	0.15	0.2
1930.5	160	1930.5	55.97	161.8	162.6
1986.5	70	1962.0	24.47	69.8	69.8
MD STUDY Z/P/S CHECK					

SETTINGS CHANGED? YES OR NO (CIRCLE ONE)

NEW SETTINGS: Note: If calibration setting changed, then you must re-verify.

COEF: \_\_\_\_\_ BKG: \_\_\_\_\_ PPB RANGE: \_\_\_\_\_ PPB AVG. TIME: \_\_\_\_\_ sec

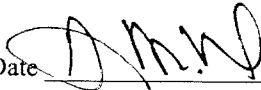
**US EPA Region 4**  
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**Wilcox County, Alabama**  
**SESD Project Identification Number: 11-0068**  
**November 2010 – December 2010**

*Continuation of field record for sample* YBB

**Other Notes/Sketch** (Include North and Scale)

TEST PASSED QUALITY CONTROL CRITERIA DESIGNATED IN QAPP. A SMALL AMOUNT OF SO<sub>2</sub> WAS OBSERVED IN THE TEST (5 ppb @ 160" AND 2 ppb @ 70"), BUT DID NOT APPEAR TO INFLUENCE THE MEASUREMENT. CHANNELS BROUGHT BACK ONLINE AT 12:00.

Sample Team Leader/Sampler Signature/Date

 1/26/11



# US EPA Region 4

Yellow Bluff Air Study

Wilcox County, Alabama

SESD Project Identification Number: 11-0068

November 2010 – December 2010

Station I.D. YBA

Site Description <sup>on 1/26/11</sup> ~~ROT~~ YELLOW BLUFF TOWN HALL

Date: 1/26/11 Time: 16:15 Operator: CAROL NASH

CALIBRATION SYSTEM	
Gas Calibrator ID:	<u>A77045</u>
MFC(s) Calibrated:	<u>10, 27, 10</u>
Gas Cylinder Mfg.:	<u>SCOTT AIR LIQUIDE AMERICA</u>
Cylinder ID:	<u>FF 4221</u>
Concentration:	<u>5.70</u> H2S PPM
Cert Date:	<u>8, 27, 10</u>

H <sub>2</sub> S MONITOR	
Monitor ID: <u>EPA 926450</u>	
SETTINGS:	TEMPERATURES:
COEF: <u>0.992</u>	INT.: <u>30.3</u> C
BKG: <u>N/A</u> PPB	CHAMBER: <u>43.1</u> C
RANGE: <u>200</u> PPB	CONVERTER: <u>378</u> C
AVG. TIME: <u>60</u> sec	

CALIBRATION SYSTEM				H <sub>2</sub> S MONITOR / DATA LOGGER	
Total Flow Setting cc/min.	Concentration Setting H <sub>2</sub> S (PPB)	Zero Air Flow cc/min	Cal. Gas Flow cc/min	Monitor H <sub>2</sub> S (PPB)	Data Logger H <sub>2</sub> S (PPB)
1989.4	ZERO	1989.4	0.00	-0.26	-0.23
1986.5	160	1928.4	55.97	163.3	163
1986.6	70	1962.1	24.46	69.7	69
MID STUDY 2/12/11 CHECK					

SETTINGS CHANGED? YES OR NO (CIRCLE ONE)

NEW SETTINGS: Note: If calibration setting changed, then you must re-verify.

COEF: \_\_\_\_\_ BKG: \_\_\_\_\_ PPB RANGE: \_\_\_\_\_ PPB AVG. TIME: \_\_\_\_\_ sec

**US EPA Region 4**  
**Yellow Bluff Air Study**  
**Wilcox County, Alabama**  
**SESD Project Identification Number: 11-0068**  
**November 2010 – December 2010**

*Continuation of field record for sample* YBA

**Other Notes/Sketch** (Include North and Scale)

TEST PASSED QUALITY CONTROL Z/P/S  
CHECK CRITERIA SPECIFIED IN QAPP CHANNELS  
BROUGHT BACK ONLINE AT APPROXIMATELY 5:15.  
DATA DOWNLOADED FROM SO<sub>2</sub>/H<sub>2</sub>S ANALYZER  
INCLUDING HOURLY, MINUTE, AND POWER FAILURE  
DATA.

Sample Team Leader/Sampler Signature/Date

J. M. [Signature] 1/26/11

# US EPA Region 4

Yellow Bluff Air Study  
Wilcox County, Alabama

SESD Project Identification Number: 11-0068

November 2010 – December 2010

Station I.D. YBA

Site Description YELLOW BLUFF TOWN HALL

Date: 1/27/11 Time: 17:30 Operator: GREG NOATH

**CALIBRATION SYSTEM**

Gas Calibrator ID: \_\_\_\_\_

MFC(s) Calibrated: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Gas Cylinder Mfg.: \_\_\_\_\_

Cylinder ID: \_\_\_\_\_

Concentration: \_\_\_\_\_ H2S PPM

Cert Date: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

**H<sub>2</sub>S MONITOR**

Monitor ID: \_\_\_\_\_

SETTINGS:	TEMPERATURES:
COEF: _____	INT.: _____ C
BKG: _____ PPB	CHAMBER: _____ C
RANGE: _____ PPB	CONVERTER: _____ C
AVG. TIME: _____ sec	

CALIBRATION SYSTEM				H <sub>2</sub> S MONITOR / DATA LOGGER	
Total Flow Setting cc/min.	Concentration Setting H <sub>2</sub> S (PPB)	Zero Air Flow cc/min	Cal. Gas Flow cc/min	Monitor H <sub>2</sub> S (PPB)	Data Logger H <sub>2</sub> S (PPB)
	ZERO		0.00		

**SETTINGS CHANGED?** YES OR NO (CIRCLE ONE)

NEW SETTINGS: Note: If calibration setting changed, then you must re-verify.

COEF: \_\_\_\_\_ BKG: \_\_\_\_\_ PPB RANGE: \_\_\_\_\_ PPB AVG. TIME: \_\_\_\_\_ sec

**US EPA Region 4**  
**Yellow Bluff Air Study**  
**Wilcox County, Alabama**  
**SESD Project Identification Number: 11-0068**  
**November 2010 – December 2010**

*Continuation of field record for sample* YBA

**Other Notes/Sketch** (Include North and Scale)

DOWNLOADED HOURLY, MINUTE, AND POWER FLAG DATA  
FROM SO<sub>2</sub>/H<sub>2</sub>S ANALYZER AT APPROXIMATELY 17:30

Sample Team Leader/Sampler Signature/Date YBA 1/27/11

# US EPA Region 4

Yellow Bluff Air Study

Wilcox County, Alabama

SESD Project Identification Number: 11-0068

November 2010 – December 2010

Station I.D. YBB

Site Description ROUND COCKER STATE PARK (BACKGROUND) CABIN #6

Date: 1/27/11 Time: 17:50 Operator: GREG NOAA

CALIBRATION SYSTEM	
Gas Calibrator ID: _____	
MFC(s) Calibrated: _____ / _____ / _____	
Gas Cylinder Mfg.: _____	
Cylinder ID: _____	
Concentration: _____ H2S PPM	
Cert Date: _____ / _____ / _____	

H <sub>2</sub> S MONITOR	
Monitor ID: _____	
SETTINGS:	TEMPERATURES:
COEF: _____	INT.: _____ C
BKG: _____ PPB	CHAMBER: _____ C
RANGE: _____ PPB	CONVERTER: _____ C
AVG. TIME: _____ sec	

CALIBRATION SYSTEM				H <sub>2</sub> S MONITOR / DATA LOGGER	
Total Flow Setting cc/min.	Concentration Setting H <sub>2</sub> S (PPB)	Zero Air Flow cc/min	Cal. Gas Flow cc/min	Monitor H <sub>2</sub> S (PPB)	Data Logger H <sub>2</sub> S (PPB)
	ZERO		0.00	1/27/11	

SETTINGS CHANGED?	YES	OR	NO	(CIRCLE ONE)
NEW SETTINGS: Note: If calibration setting changed, then you must re-verify.				
COEF: _____	BKG: _____	PPB	RANGE: _____	PPB
			AVG. TIME: _____	sec


**US EPA Region 4**  
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*Continuation of field record for sample* YBB

**Other Notes/Sketch** (Include North and Scale)

DOWNLOADED HOURLY, MINUTE, AND POWER FAILURE  
DATA.

Sample Team Leader/Sampler Signature/Date

 11/27/11

# US EPA Region 4

Yellow Bluff Air Study  
Wilcox County, Alabama

SESD Project Identification Number: 11-0068

November 2010 – December 2010

Station I.D. YBB

Site Description ROLAND COOPER STATE PARK (BACKGROUND) CASIN #6

Date: 1/28/11 Time: 9:00 Operator: GREG NORA

CALIBRATION SYSTEM	
Gas Calibrator ID: <u>EPA A77045</u>	
MFC(s) Calibrated: <u>10, 27, 2010</u>	
Gas Cylinder Mfg.: <u>SCOTT AIR LIQUIDE AMERICA</u>	
Cylinder ID: <u>FF 4185 4221</u>	
Concentration: <u>5.70</u> H2S PPM	
Cert Date: <u>8, 27, 10</u>	

H <sub>2</sub> S MONITOR	
Monitor ID: <u>EPA A77126</u>	
SETTINGS: COEF: <u>0.982</u> BKG: <u>N/A</u> PPB RANGE: <u>200</u> PPB AVG. TIME: <u>60</u> sec	TEMPERATURES: INT.: <u>31.5</u> C CHAMBER: <u>44.9</u> C CONVERTER: <u>322</u> C

CALIBRATION SYSTEM				H <sub>2</sub> S MONITOR / DATA LOGGER	
Total Flow Setting cc/min.	Concentration Setting H2S (PPB)	Zero Air Flow cc/min	Cal. Gas Flow cc/min	Monitor H2S (PPB)	Data Logger H2S (PPB)
1991.2	ZERO	1991.2	0.00	0.04	0.0
1990.6	160	1932.5	55.97	161.0	160.0
1986.4	70	1959.9	24.46	68.4	68.5
END OF STUDY 2/15/11 CHECK					

SETTINGS CHANGED?	YES	OR	<input checked="" type="radio"/> NO	(CIRCLE ONE)
NEW SETTINGS: Note: If calibration setting changed, then you must re-verify.				
COEF: _____	BKG: _____	PPB	RANGE: _____	PPB
AVG. TIME: _____		sec		


**US EPA Region 4**  
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*Continuation of field record for sample* YBB

**Other Notes/Sketch** (Include North and Scale)

ANALYZER PASSED QC CHECK AS DESCRIBED IN  
SAPP. ANALYZER TAKEN OFF-LINE AT  
APPROXIMATELY 11:00. DATA DOWNLOADED  
FROM DATALOGGER.

Sample Team Leader/Sampler Signature/Date

 1/28/11



# US EPA Region 4

Yellow Bluff Air Study

Wilcox County, Alabama

SESD Project Identification Number: 11-0068

November 2010 – December 2010

Station I.D. YBA

Site Description YELLOW BLUFF TOWN HALL

Date: 1/28/11 Time: 13:45 Operator: ALAN NOAH

CALIBRATION SYSTEM	
Gas Calibrator ID:	<u>EPA A77045</u>
MFC(s) Calibrated:	<u>10 / 27 / 2010</u> <small>SCOTT AIRC LITVIOE PMSRICA</small>
Gas Cylinder Mfg.:	<u>FF4221</u> (or 112511)
Cylinder ID:	<u>FF 4221</u>
Concentration:	<u>5.70</u> H2S PPM
Cert Date:	<u>8 / 27 / 10</u>

H <sub>2</sub> S MONITOR	
Monitor ID:	<u>EPA 926450</u>
SETTINGS:	TEMPERATURES:
COEF: <u>0.992</u>	INT.: <u>30.0</u> C
BKG: <u>N/A</u> PPB	CHAMBER: <u>43.2</u> C
RANGE: <u>200</u> PPB	CONVERTER: <u>379</u> C
AVG. TIME: <u>60</u> sec	

CALIBRATION SYSTEM				H <sub>2</sub> S MONITOR / DATA LOGGER	
Total Flow Setting cc/min.	Concentration Setting H <sub>2</sub> S (PPB)	Zero Air Flow cc/min	Cal. Gas Flow cc/min	Monitor H <sub>2</sub> S (PPB)	Data Logger H <sub>2</sub> S (PPB)
1989.1	ZERO	1989.1	0.00	-0.4	-0.5
1988.5	160	1988.4	55.95	161	160.7
1984.5	70	1960.0	24.46	67.8	68.0
END OF STUDY Z/P/S CHECK.					

SETTINGS CHANGED?	YES	OR	<u>NO</u>	(CIRCLE ONE)
NEW SETTINGS: Note: If calibration setting changed, then you must re-verify.				
COEF: _____	BKG: _____	PPB	RANGE: _____	PPB
			AVG. TIME: _____	sec

**US EPA Region 4**  
**Yellow Bluff Air Study**  
**Wilcox County, Alabama**  
**SESD Project Identification Number: 11-0068**  
**November 2010 – December 2010**

Continuation of field record for sample YBA

Other Notes/Sketch (Include North and Scale)

ANALYZER PASSED Z/P/S QC TEST CHECK  
CRITERIA AND AS DESCRIBED IN THE QAPP.  
or 11/28/11

ANALYZER WAS TAKEN OFF LINE AT APPROXIMATELY

Q  
11/28/11

14:45 14:45. DATA DOWNLOADED FROM DATA LOGGER.

Sample Team Leader/Sampler Signature/Date

D.M. [Signature] 1/28/11

End of logbook  
1-28-11  
me