0307168B

02408

# SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

11A Field Sample # FCS-SP10D-20 Date: 7/8/03

Stage/Zone: Z11 Time: 1447

Site # FCS-SP10

Location Description: FCS

Probe Type: GP Probe/Port Depth: 20 (ft)

Installation/Drilling Difficulty:

Soil Type at Collection Point (if known) (USCS):

Surface Conditions (circle one):

(Asphalt) Cement Cobbles Soil Vegetation Other:

Bulb number: AAL-023 Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min) Air Temperature (°C): NA

Sample Time (start): 1437 Weather: hot sunny

Time (end): 1447 Barometric Pressure (mmHg): NA

Volume Purged (mls): 966 Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150 Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

36 x 0.6 = 21.6

150 x 2 = 300 + 21.6 = 321.6 ≈ 322

$\frac{322}{100}$ = 3.22 x 3 = 9.66 min

YR 7/11/03
1.0 "Hg

TO-14A

Date/Time: 7/8/03 / 1447 Samples Taken By: Kristina Williams

Date/Time: 7/9/03 / 0845 Relinquished By: Kristina Williams

Date/Time: 7/9/03 / 0845 Received By: [signature]

Date/Time: 7/9/03 / 1035 Relinquished By: [signature]

Date/Time: 7/9/03 / 1035 Received For Lab By: [signature] ATL

0307168 B

02411

# SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

12A

Field Sample # FCS-SP09-10

Date: 7/8/03

Stage/Zone: 2/1

Time: 1526

Site # FCS-SP09

Location Description: FCS

Probe Type: GP

Probe/Port Depth: 10 (ft)

Installation/Drilling Difficulty:

Soil Type at Collection Point (if known) (USCS):

Surface Conditions (circle one):

Asphalt Cement Cobbles Soil Vegetation Other:

Bulb number: AAL-039

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1521

Weather: hot

Time (end): 1526

Barometric Pressure (mmHg): NA

Volume Purged (mls): 486

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

20ft x 0.6 cc/ft = 12cc

150 x 1 + 12 = 162

$\frac{162}{100}$ = 1.62 x 3 = 4.86 min

TO-14A

1/8 7/11/03
1.0 "Hg

Date/Time: 7/8/03 / 1526

Date/Time: 7/9/03 / 0845

Date/Time: 7/9/03 / 0845

Date/Time: 7/9/03 / 1035

Date/Time: 7/9/03 / 1035

Samples Taken By: Kristina Williams

Relinquished By: Kristina Williams

Received By: [illegible]

Relinquished By: [illegible]

Received For Lab By: Tonya Pickel ATL

08071686

02412

# SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

13A Field Sample # FCS-SP04-20 Date: 7/8/03

Stage/Zone: 211 Time: 1545

Site # FCS-SP04

Location Description: FCS

Probe Type: GP Probe/Port Depth: 20 (ft)

Installation/Drilling Difficulty:

Soil Type at Collection Point (if known) (USCS):

Surface Conditions (circle one):

(Asphalt) Cement Cobbles Soil Vegetation Other:

Bulb number: AAL-036 Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min) Air Temperature (°C): NA

Sample Time (start): 1540 Weather: Sunny hot

Time (end): 1545 Barometric Pressure (mmHg): NA

Volume Purged (mls): 516 Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150 Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

36 x 0.6 = 21.6

150 x 1 + 21.6 = 171.6 ≈ 172

$\frac{172}{100}$ = 1.72 x 3 = 5.16 min

TO-14A

7/8/03 15" Hg

Date/Time: 7/8/03 / 1545 Samples Taken By: Kristina Williams

Date/Time: 7/9/03 / 0845 Relinquished By: Kristina Williams

Date/Time: 7/9/03 / 0845 Received By: [illegible]

Date/Time: 7/9/03 / 1035 Relinquished By: [illegible]

Date/Time: 7/9/03 / 1035 Received For Lab By: Tony Ewald AIL

0307168B

02409

# SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

14A

Field Sample # FCS-SP08-10

Date: 07/08/03

Stage/Zone: 2/1

Time: 1619

Site # FCS-SP08

Location Description: FCS

Probe Type: GP

Probe/Port Depth: 10 (ft)

Installation/Drilling Difficulty:

Soil Type at Collection Point (if known) (USCS):

Surface Conditions (circle one):

Asphalt Cement Cobbles Soil Vegetation Other:

Bulb number: AAL-015

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1614

Weather: Sunny hot

Time (end): 1619

Barometric Pressure (mmHg): NA

Volume Purged (mls): 486

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

20 ft × 0.6 cc/ft = 12 cc

150 × 1 + 12 = 162

$\frac{162}{100}$ = 1.62 × 3 = 4.86 min

TO-14A

Date/Time: 7/8/03 / 1619

Date/Time: 7/9/03 / 0845

Date/Time: 7/9/03 / 0845

Date/Time: 7/9/03 / 1035

Date/Time: 7/9/03 / 1035

Samples Taken By: Kristina Williams

Relinquished By: Kristina Williams

Received By: [signature]

Relinquished By: [signature]

Received For Lab By: Tony Bondal AH

03071688

02415

# SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

TB7803

150A Field Sample # FCS-~~TB-070403~~ BAL

Date: 07/08/03

Stage/Zone: 4/1

Time: 1632

Site # FCS

Location Description: FCS

Probe Type: GP

Probe/Port Depth: _____ (ft)

Installation/Drilling Difficulty: _____

Soil Type at Collection Point (if known) (USCS): _____

Surface Conditions (circle one):

Asphalt Cement Cobbles Soil Vegetation Other: _____

Bulb number: AAL-058

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1627

Weather: hot

Time (end): 1632

Barometric Pressure (mmHg): NA

Volume Purged (mls): 516

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

ambient air blank

36 x 0.6 "/ft = 21.6

150 x 1 + 21.6 = 171.6 ≈ 172

$\frac{172}{100}$ = 1.72 x 3 = 5.16 min

TO-14A

[illegible] 7/9/03
1.0 "Hg

Date/Time: 07/08/03 / 1632

Date/Time: 07/09/03 / 0845

Date/Time: 7/9/03 / 0845

Date/Time: 7/9/03 / 1035

Date/Time: 7/9/03 / 1035

Samples Taken By: Christina Williams

Relinquished By: Christina Williams

Received By: [illegible]

Relinquished By: [illegible]

Received For Lab By: [illegible]

03071886

# SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02410

16A

Field Sample # FCS-SP08-20

Date: 7/3/03

Stage/Zone: 2/1

Time: 1640

Site # FCS-SP08

Location Description: FCS

Probe Type: GP

Probe/Port Depth: 20 (ft)

Installation/Drilling Difficulty:

Soil Type at Collection Point (if known) (USCS):

Surface Conditions (circle one):

Asphalt Cement Cobbles Soil Vegetation Other:

Bulb number: AAL-034

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1635

Weather: hot

Time (end): 1640

Barometric Pressure (mmHg): NA

Volume Purged (mls): 516

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

3.6 × 0.6 = 21.6

150 × 1 + 21.6 = 171.6 ≈ 172

$\frac{172}{100}$ = 1.72 × 3 = 5.16 min

TO-14A

7/1/03

1.0 Hg

Date/Time: 7/8/03 / 1640

Date/Time: 7/9/03 / 0845

Date/Time: 7/9/03 / 0845

Date/Time: 7/9/03 / 1035

Date/Time: 7/9/03 / 1035

Samples Taken By: Kristina Williams

Relinquished By: Kristina Williams

Received By: [signature]

Relinquished By: [signature]

Received For Lab By: Tonya Rachel ATL

0307168B

# SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02415

FTA Field Sample # FCS-SPOG 10

Date: 07/09/03

Stage/Zone: 2/1

Time: 0900

Site # FCS

Location Description: FCS

Probe Type: GP

Probe/Port Depth: 10 (ft)

Installation/Drilling Difficulty:

Soil Type at Collection Point (if known) (USCS):

Surface Conditions (circle one):

Asphalt Cement Cobbles Soil Vegetation Other:

Bulb number: AAL-056

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): 0855

Weather: hot sunny

Time (end): 0900

Barometric Pressure (mmHg): NA

Volume Purged (mls): 486

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

20ft x 0.6 cc/ft = 12cc

150cc x 1 = 150cc + 12cc = 162cc

162cc / 100 cc/min = 1.62 min x 3 = 4.86 min

TO-14A

[illegible] 7/9/03

0.5 mHg

Date/Time: 7/9/03 / 0900

Date/Time: 7/9/03 / 0901

Date/Time: 7/9/03 / 0901

Date/Time: 7/9/03 / 1035

Date/Time: 7/9/03 / 1035

Samples Taken By: [illegible] Williams

Relinquished By: [illegible] Williams

Received By: [illegible]

Relinquished By: [illegible]

Received For Lab By: [illegible]

0307168B

02416

# SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

18A Field Sample # FCS-SP06-20 Date: 7/9/03

Stage/Zone: 2/1 Time: 0926

Site # FCS-SP06

Location Description: FCS

Probe Type: Geoprobe Probe/Port Depth: 20 (ft)

Installation/Drilling Difficulty:

Soil Type at Collection Point (if known) (USCS):

Surface Conditions (circle one):

Asphalt Cement Cobbles Soil Vegetation Other:

Bulb number: AAL-018 Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min) Air Temperature (°C): NA

Sample Time (start): 0920 Weather: hot sunny

Time (end): 0926 Barometric Pressure (mmHg): NA

Volume Purged (mls): 516 Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150 Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

36 x 0.6 = 21.6

150 x 1 + 21.6 = 172

$\frac{172}{100}$ = 1.72 x 3 = 5.16

TO-14A

[illegible] 7/9/03
1.0 Hg

Date/Time: 07/9/03 / 0926 Samples Taken By: Kristina Williams

Date/Time: 07/9/03 / 0930 Relinquished By: Kristina Williams

Date/Time: 7/9/03 / 0930 Received By: [illegible]

Date/Time: 7/9/03 / 1035 Relinquished By: [illegible]

Date/Time: 7/9/03 / 1035 Received For Lab By: Tanya Bobbel AIL

0307168 (3)

02418

# SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

19A

Field Sample # FCS-TB7903

Date: 7/9/03

Stage/Zone: 2/1

Time: 0937

Site # FCS

Location Description: NA

Probe Type: NA

Probe/Port Depth: NA (ft)

Installation/Drilling Difficulty: NA

Soil Type at Collection Point (if known) (USCS):

Surface Conditions (circle one):

Asphalt Cement Cobbles Soil Vegetation Other: ambient air

Bulb number: AAL-051

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): 0935

Weather: hot

Time (end): 0937

Barometric Pressure (mmHg): NA

Volume Purged (mls): KW ~~146~~ 162

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

20 x .6 = 12

150 x 1 + 12 = 162

$\frac{162}{100}$ = 1.62 ~~x 3 = 4.86 min~~ KW

≈ 2 min

TO-14A

Date/Time: 07/09/03 / 0937

Date/Time: 07/09/03 / 0940

Date/Time: 7/9/03 / 0950

Date/Time: 7/9/03 / 1035

Date/Time: 7/9/03 / 1035

Samples Taken By: [signature] Williams

Relinquished By: [signature] Williams

Received By: [signature]

Relinquished By: [signature]

Received For Lab By: [signature]

03071683

# SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02417

20A

Field Sample # FCS-SVE1-10 Date: 7/9/03

Stage/Zone: 2/1 Time: 0944

Site # FCS

Location Description: FCS sampling vent

Probe Type: Probe/Port Depth: 10 (ft)

Installation/Drilling Difficulty:

Soil Type at Collection Point (if known) (USCS):

Surface Conditions (circle one):

Asphalt Cement Cobbles Soil Vegetation Other: vent

Bulb number: AAL-072 Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min) Air Temperature (°C): NA

Sample Time (start): 0944 Weather: sunny hot

Time (end): 0949 Barometric Pressure (mmHg): NA

Volume Purged (mls): 486 Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150 Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

$20 \times 0.6 = 12$

$150 \times 1 + 12 = 162$

$\frac{162}{100} = 1.62 \times 3 = 4.86$ min

7/10/03

10 "Hg

TO-14A

Date/Time: 07/9/03 / 0949 Samples Taken By: Kristina Williams

Date/Time: 07/9/03 / 0952 Relinquished By: Kristina Williams

Date/Time: 7/9/03 / 0952 Received By:

Date/Time: 7/9/03 / 1035 Relinquished By:

Date/Time: 7/9/03 / 1020 Received For Lab By: [illegible] ATL

03071688
02419

# SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

21A Field Sample # FCS-SVE2-10 Date: 7/9/03

Stage/Zone: 2/1 Time: 1002

Site # FCS

Location Description: ~~A~~ FCS

Probe Type: Probe/Port Depth: (ft)

Installation/Drilling Difficulty:

Soil Type at Collection Point (if known) (USCS):

Surface Conditions (circle one):

Asphalt Cement Cobbles Soil Vegetation Other: vent

Bulb number: AAL-011 Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min) Air Temperature (°C): NA

Sample Time (start): 0957 Weather: hot

Time (end): 1002 Barometric Pressure (mmHg): NA

Volume Purged (mls): 486 Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150 Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

$2.0 \times 0.6 = 12$

$150 \times 1 + 12 = 162$

$\frac{162}{100} = 1.62 \times 3 = 4.86$

TO-14A

[illegible]
0.5 "Hg

Date/Time: 07/09/03 / 1002 Samples Taken By: Kristina Williams

Date/Time: 07/09/03 / 1005 Relinquished By: Kristina Williams

Date/Time: 07/09/03 / 1035 Received By: [illegible]

Date/Time: 07/09/03 / 1035 Relinquished By: [illegible]

Date/Time: 7/9/03 / 1035 Received For Lab By: [illegible] ATI