01A

0307148

01581

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

Field Sample # ~~AAL-003~~ FCS-SP05-10

Date: 7/7/03

Stage/Zone: 2 / 1

Time: 9:59 AM

Site # FCS-SP05

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-003

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): 9:54

Weather: SUNNY + WARM

Time (end): 9:59

Barometric Pressure (mmHg): NA

Volume Purged (mls): 486 cc

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150 cc

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

20' × 0.6 cc/ft = 12 cc

150 cc × 1 = 150

TV = 162 cc

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

mlm 7/9/03

0.5" Hg

Date/Time: 7/7/03 / 0959

Samples Taken By: Kristina Williams

Date/Time: 7/8/03 / 0758

Relinquished By: Kristina Williams

Date/Time: 7/8/03 / 0758

Received By: [illegible]

Date/Time: 7/8/03 / 1217

Relinquished By: [illegible]

Date/Time: 7/8/03 / 1217

Received For Lab By: Jewel Thomas ATL

02A

0307148

01582

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

Field Sample # FCS-SP05-20

Date: 7/7/03

Stage/Zone: 2/1

Time: 1033

Site # FCS-SP05

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-070

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1022

Weather: Sunny & warm

Time (end): 1033

Barometric Pressure (mmHg): NA

Volume Purged (mls): 964.8

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

150 cc x 2 = 300cc

36' x 0.6 cc/ft = 21.6cc

TV = 321.6 x 3 = 964.8cc / 100 cc/min = 9.64 min

MW 7/9/03

15 Hr

Date/Time: 07/07/03 / 1033

Samples Taken By: Kristina Williams

Date/Time: 07/08/03 / 0758

Relinquished By: Kristina Williams

Date/Time: 07/08/03 / 0758

Received By:

Date/Time: 07/08/03 / 1216

Relinquished By:

Date/Time: 7/8/03 / 1216

Received For Lab By: Jerrica Thomas ATL

03A

0307148

01583

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

Field Sample # FCS-SP05D-20

Date: 7/7/03

Stage/Zone: 2/1

Time: 1033

Site # FCS-SP05

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-063

Sampling Flow Rate: 100 (ml/min)

Sample Time (start): 1022

Time (end): 1033

Volume Purged (mls): 964.8

Bulb Volume (mls): 150

Humidity: NA (%)

Air Temperature (°C): NA

Weather: Sunny, warm

Barometric Pressure (mmHg): NA

Thermocouple Temperature (°C): NA

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

150 cc x 2 = 300 cc

36' x 0.66 cc/ft = 21.6 cc

TV = 321.6 x 3 = 964.8 cc / 100 cc/min = 9.64 min

MLW 7/9/03

1.5" #8

Date/Time: 07/07/03 / 1033

Date/Time: 07/08/03 / 0758

Date/Time: 07/08/03 / 0758

Date/Time: 07/08/03 / 1215

Date/Time: 7/8/03 / 1215

Samples Taken By: Christina Williams

Relinquished By: Christina Williams

Received By:

Relinquished By:

Received For Lab By: Laura A. Thomas AR

04A

0307148

01584

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

Field Sample # FCS-SP04-10

Date: 7/7/03

Stage/Zone: 2/1

Time: 1122

Site # FCS-SP04

Location Description: FCS

Probe Type: G-P

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-022

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1117

Weather: sunny, warm

Time (end): 1122

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 x 0.6 cc/ft = 12 cc

150 cc x 1 = 150 / 162 = 1.62

1.62 / 100 = 1.62 x 3 = 4.86

mw 7/9/03

1.0 ml/s

Date/Time: 7/7/03 / 1122

Samples Taken By: Kristina Williams

Date/Time: 7/8/03 / 0758

Relinquished By: Kristina Williams

Date/Time: 7/8/03 / 0758

Received By:

Date/Time: 7/8/03 / 1219

Relinquished By:

Date/Time: 7/8/03 / 1219

Received For Lab By: Laura R. Thomas AL

05A

0307148

01586

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

Field Sample # FCS-SP04-20

Date: 7/7/03

Stage/Zone: 2/1

Time: 1207

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-046

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1202

Weather: Sunny, warm

Time (end): 1207

Barometric Pressure (mmHg): NA

Volume Purged (mls): 514

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

36 ft × 0.6 cc/ft = 21.6 cc

150 cc × 1 = 150 cc + 21.6 cc

171.6 / 100 = 1.7 × 3 = 5.14 m

mw 7/9/03

1.5" ⌀

Date/Time: 7/7/03 / 1207

Samples Taken By: Kristina Williams

Date/Time: 7/8/03 / 0758

Relinquished By: Kristina Williams

Date/Time: 7/8/03 / 0758

Received By: [illegible]

Date/Time: 7/8/03 / 1219

Relinquished By: [illegible]

Date/Time: 7/8/03 / 1219

Received For Lab By: Laura Thomas II

0307148

06A

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

01588

Field Sample # FCS-SP01 ~~X~~ -10 (SP01 DEW 7/7/03)

Date: 7/7/03

Stage/Zone: 2/1

Time: 1252

Site # FCS-SP01

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-040

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1247

Weather: Sunny Warm

Time (end): 1252

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' x 0.6 cc/ft = 12 cc

150 x 1 = 150

TV = 162 cc

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

mw 7/9/03

1.0448

Date/Time: 7/7/03 / 1252

Samples Taken By:

Date/Time: 7/7/03 / 1310

Relinquished By:

Date/Time: 7/7/03 / 1310

Received By: Kristina Williams

Date/Time: 7/8/03 / 0758

Relinquished By: Kristina Williams DW 7/8/03 759

Date/Time: 7/8/03 / 0758

Received ~~For Lab~~ By:

7/8/03 1211

Received for Lab by: Laura A. Thomas ATL 7/8/03 1211

07A

0307148

01587

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

Field Sample # FCS-SP01-20

Date: 7/7/03

Stage/Zone: 2/1

Time: 1320

Site # FCS-SP01

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-024

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1315

Weather: warm, sunny

Time (end): 1320

Barometric Pressure (mmHg): NA

Volume Purged (mls): 514

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

36ft x 0.6 cc/ft = 21.6cc

150 x 1 = 150

TV = ~~16~~ 171.6cc

$\frac{171}{100} \times 3 = 5.13$ min

MCW 7/9/03

1.07 #s

Date/Time: 7/7/03 / 1320

Samples Taken By: Kristina Williams

Date/Time: 7/8/03 / 0758

Relinquished By: Kristina Williams

Date/Time: 7/8/03 / 0758

Received By:

Date/Time: 7/8/03 / 1211

Relinquished By:

Date/Time: 7/8/03 / 1211

Received For Lab By: Laurie Thomas ATL

08A

0307148

01590

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

Field Sample # FCS-SP02-10

Date: 7/7/03

Stage/Zone: 2/1

Time: 1355

Site # FCS-SP02

Location Description: FCS

Probe Type: Geoprobe

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-071

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1350

Weather: Sunny, Warm

Time (end): 1355

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 × 0.6 cc/ft = 12 cc

150 + 12 = 162 cc

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

MM 7/9/03

1.0"48

Date/Time: 7/7/03 / 1355

Samples Taken By: Kristina Williams

Date/Time: 7/8/03 / 0758

Relinquished By: Kristina Williams

Date/Time: 7/8/03 / 0758

Received By:

Date/Time: 7/8/03 / 1218

Relinquished By:

Date/Time: 7/8/03 / 1218

Received For Lab By: Laura Thomas

09A

0307148

01592

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

Field Sample # FCS-SP03-10

Date: 7/7/03

Stage/Zone: 2/1

Time: 1513

Site # FCS-SP03

Location Description: FCS

Probe Type: Geoprobe

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-021

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1508

Weather: Sunny, hot

Time (end): 1513

Barometric Pressure (mmHg): NA

Volume Purged (mls): 4.86

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 + 12 = 162 cc

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

mw 7/9/03
2.5"48

Date/Time: 7/7/03 / 1513

Samples Taken By: Kristina Williams

Date/Time: 7/8/03 / 0758

Relinquished By: Kristina Williams

Date/Time: 7/8/03 / 0758

Received By: [illegible]

Date/Time: 7/8/03 / 1214

Relinquished By: [illegible]

Date/Time: 7/8/03 / 1214

Received For Lab By: James R. Thomas Jr

0307148

10A

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

01594

Field Sample # FCS-SP03-20 Date: 7/7/03
Stage/Zone: 2/1 Time: 1535
Site # FCS-SP03

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-026 Humidity: NA (%)
Sampling Flow Rate: 100 (ml/min) Air Temperature (°C): NA
Sample Time (start): 1530 Weather: Sunny hot
Time (end): 1535 Barometric Pressure (mmHg): NA
Volume Purged (mls): 513 Thermocouple Temperature (°C): NA
Bulb Volume (mls): 150 Thermocouple Location: NA
Thermocouple Depth: NA

REMARKS/COMMENTS:
36 ft x 0.6 cc/ft = 21.6 cc
150 x 1 + 21.6 = 171.6 cc
171/100 x 3 = 5.13 min

mw 7/17/03
1548

Date/Time: 7/7/03 / 1535 Samples Taken By: Kristina Williams
Date/Time: 7/8/03 / 0758 Relinquished By: Kristina Williams
Date/Time: 7/8/03 / 0758 Received By: [illegible]
Date/Time: 7/8/03 / 12A Relinquished By: [illegible]
Date/Time: 7/8/03 / 1219 Received For Lab By: Laura D. Thomas ATL

11A

0307148

01595

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

Field Sample # FCS-SP15-10

Date: 7/7/03

Stage/Zone: 2/1

Time: 1635

Site # FCS-SP15

Location Description: FCS

Probe Type: Geoprobe

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-044

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1630

Weather: hot, sunny

Time (end): 1635

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 x 0.6 cc/ft = 12 cc

150 + 12 = 162 cc

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

mw 7/9/03

1.0" Hg

Date/Time: 7/7/03 1635

Samples Taken By: Kristina Williams

Date/Time: 7/8/03 / 0758

Relinquished By: Kristina Williams

Date/Time: 7/8/03 / 0758

Received By: [illegible]

Date/Time: 7/8/03 / 1218

Relinquished By: [illegible]

Date/Time: 7/8/03 / 1218

Received For Lab By: Jamie A. Thomas

12A

0307148

01593

SOIL VAPOR CHAIN-OF-CUSTODY
AND FIELD DATA SHEET

Field Sample # ~~FCS-SP03~~ FCS-SP15-20 KMW

Date: 7/7/03

Stage/Zone: 2/1

Time: 1659

Site # FCS-SP15

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-065

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1654

Weather: hot sunny

Time (end): 1659

Barometric Pressure (mmHg): NA

Volume Purged (mls): 513

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

36ft × 0.6cc/ft = 21.6cc

150 × 1 + 21.6 = 171.6

$\frac{171}{100} \times 3 = 5.13$ min

KMW 7/9/03

1.0" Hg

Date/Time: 7/7/03 / 1659

Samples Taken By: Kristina Williams

Date/Time: 7/8/03 / 0758

Relinquished By: Kristina Williams

Date/Time: 7/8/03 / 0758

Received By:

Date/Time: 7/8/03 / 1214

Relinquished By:

Date/Time: 7/8/03 / 1214

Received For Lab By: Laura Thomas ATL