0307209

02432

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

01A

Field Sample # 10D-SP32-10 Date: 7/10/03

Stage/Zone: 2/1 Time: 0823

Site # 10D-SP32

Location Description: 10D

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-059 Humidity: NA (%)

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

Sample Time (start): 0818 Weather: warm, sunny

Time (end): 0823 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 × 0.6 = 12 cc

150 × 1 + 12 = 162

$\frac{162}{100}$ = 1.62 × 3 = 4.86

MCW 7/12
1.0" Hg

Date/Time: 7/10/03 / 0823 Samples Taken By: Kristina Williams

Date/Time: 7/11/03 / 0730 Relinquished By: Kristina Williams

Date/Time: 7/11/03 / 0730 Received By: [illegible]

Date/Time: 7/11/03 / 0806 Relinquished By: [illegible]

Date/Time: 7/11/03 / 0806 Received For Lab By: Laurel Thomas AR

0307209

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02431

02A Field Sample # 10D-SP33-10 Date: 7/10/03

Stage/Zone: 2/1 Time: 0925

Site # 10D-SP33

Location Description: 10D

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-068 Humidity: NA (%)

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

Sample Time (start): 0920 Weather: warm sunny

Time (end): 0925 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 = 12

150 X 1 + 12 = 162

$\frac{162}{100}$ = 1.62 x3 = 4.86

mw 7/12
1.0"Hg

Date/Time: 7/10/03, 0925 Samples Taken By: Kristina Williams

Date/Time: 7/11/03, 0730 Relinquished By: Kristina Williams

Date/Time: 7/11/03, 0730 Received By: [illegible]

Date/Time: 7/11/03, 0809 Relinquished By: [illegible]

Date/Time: 7/11/03, 0809 Received For Lab By: Laura Thomas ATL

0307209

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02433

03A Field Sample # 10D-SP34-10 Date: 7/10/03

Stage/Zone: 2/1 Time: 1000

Site # 10D-SP34

Location Description: 10D

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-014 Humidity: NA (%)

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

Sample Time (start): 0955 Weather: Warm sunny

Time (end): 1000 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 = 12

150 X 1 + 12 = 162

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

mw 7/10
1.0 HO

Date/Time: 7/10/03 / 1000 Samples Taken By: Kristina Williams

Date/Time: 7/11/03 / 0730 Relinquished By: Kristina Williams

Date/Time: 7/11/03 / 0730 Received By:

Date/Time: 7/11/03 / 0809 Relinquished By:

Date/Time: 7/11/03 / 0809 Received For Lab By: Laura A. Thomas ATC

0307209

02434

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

04A Field Sample # 4D-SP23-10 Date: 7/10/03

Stage/Zone: 2/1 Time: 1107

Site # 4D-SP23

Location Description: 4D

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: 34571 Humidity: NA (%)

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

Sample Time (start): 1105 Weather: warm, sunny

Time (end): 1107 Barometric Pressure (mmHg): NA

Volume Purged (mls): 500 Thermocouple Temperature (°C): NA

Bulb Volume (mls): 1000 Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

Summa initial pressure 28 Hg
used AAL-060 for purge

21 x 0.6 = 12.6
1 x 3.8 = 3.8
150 x 1 + 16.4 = 166.4
$\frac{166.4}{100}$ = 1.66 x 3 = 5.0

now 7/12
8.0" Hg

Date/Time: 7/10/03 / 1107 Samples Taken By: Kristina Williams

Date/Time: 7/11/03 / 0730 Relinquished By: Kristina Williams

Date/Time: 7/11/03 / 0730 Received By: [illegible]

Date/Time: 7/11/03 / 0806 Relinquished By: [illegible]

Date/Time: 7/11/03 / 0806 Received For Lab By: James A. Thomas ATL

0307209

02436

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

05A

Field Sample # 11D-SP22-10

Date: 7/10/03

Stage/Zone: 2/1

Time: 1240

Site # 11D-SP22

Location Description: 11D

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-019

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): KMW ~~1225~~ 1235

Weather: hot & sun

Time (end): KMW ~~1230~~ 1240

Barometric Pressure (mmHg): NA

Volume Purged (mls): KMW ~~150~~ 486

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

20 x 0.6 = 12

150 x 1 + 12 = 162

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

mw 7/12
1.5 PID

Date/Time: 7/10/03 / 1240

Samples Taken By: Hunting Williams

Date/Time: 7/11/03 / 0730

Relinquished By: Hunting Williams

Date/Time: 7/11/03 / 0730

Received By:

Date/Time: 7/11/03 / 0807

Relinquished By:

Date/Time: 7/11/03 / 0807

Received For Lab By: Laura Thomas ATL

0307209

02437

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

06A

Field Sample # 11D-SP24-10

Date: 7/10/03

Stage/Zone: 2/1

Time: 1315

Site # 11D-SP24

Location Description: 11D

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-044

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1310

Weather: hot with sun

Time (end): 1315

Barometric Pressure (mmHg): NA

Volume Purged (mls): 486

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

$20 \times 0.6 = 12$

$150 \times 1 + 12 = 162$

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

Date/Time: 7/10/03, 1315

Samples Taken By: Kristina Williams

Date/Time: 7/11/03, 0730

Relinquished By: Kristina Williams

Date/Time: 7/11/03, 0730

Received By:

Date/Time: 7/11/03, 0808

Relinquished By:

Date/Time: 7/11/03, 0808

Received For Lab By: Laura D. Thomas ETC

0307209

02438

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

07A

Field Sample # 11D-SP20-10

Date: 7/10/03

Stage/Zone: 2/1

Time: 1355

Site # 11D-SP20

Location Description: 11D

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-045

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1350

Weather: hot hot sun

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:

$20 \times 0.6 = 12$

$150 \times 1 + 12 = 162$

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

mw 7/12/03

1.0"HY

Date/Time: 7/10/03, 1355

Samples Taken By: Kristina Williams

Date/Time: 7/11/03, 0730

Relinquished By: Krystaja Williams

Date/Time: 7/11/03, 0730

Received By:

Date/Time: 7/11/03, 0807

Relinquished By:

Date/Time: 7/11/03, 0807

Received For Lab By: Jacob Thomas

0307209

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02439

08A

Field Sample # 11D-SP19-10

Date: 7/10/03

Stage/Zone: 2/1

Time: 1434

Site # 11D-SP19

Location Description: 11D

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-027

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1429

Weather: hot and sunny

Time (end): 1434

Barometric Pressure (mmHg): NA

Volume Purged (mls): 486

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

$20 \times 0.6 = 12$

$150 \times 1 + 12 = 162$

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

mlw 7/11
3.0 atm

Date/Time: 7/10/03, 1434

Samples Taken By: Kristina Williams

Date/Time: 7/11/03, 0730

Relinquished By: Kristina Williams

Date/Time: 7/11/03, 0730

Received By:

Date/Time: 7/11/03, 08041

Relinquished By:

Date/Time: 7/11/03, 804

Received For Lab By: Laurel Thomas AL

0307209

02440

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

09A

Field Sample # 11D-SP25-10

Date: 7/10/03

Stage/Zone: 2/1

Time: 1530

Site # 11D-SP25

Location Description: 11D

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-008

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1520

Weather: quite hot

Time (end): 1530

Barometric Pressure (mmHg): NA

Volume Purged (mls): 936 KW

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

20 × 0.6 = 12

150 × 2 = 300 + 12 = 312

312/100 = 3.12 × 3 = 9.36

mw 7/11
2.0"Hg

Date/Time: 7/10/03 / 1530

Samples Taken By: Kristina Williams

Date/Time: 7/11/03 / 0730

Relinquished By: Kristina Williams

Date/Time: 7/11/03 / 0730

Received By:

Date/Time: 7/11/03 / 0808

Relinquished By:

Date/Time: 7/11/03 / 0808

Received For Lab By: Laura L. Thomas ATL

0307209

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02441

10A

Field Sample # 11D-SP25D10

Date: 7/10/03

Stage/Zone: 2/1

Time: 1530

Site # 11D-SP25

Location Description: 11D

Probe Type: GSP

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-009

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1520

Weather: hot

Time (end): 1530

Barometric Pressure (mmHg): NA

Volume Purged (mls): 936

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS: duplicate

20 x 0.6 = 12

150 x 2 = 300 + 12 = 312

$\frac{312}{100}$ = 3.12 x 3 = 9.36

new 7/10/03 2.0 HO

Date/Time: 7/10/03, 1530

Samples Taken By: Kristina Williams

Date/Time: 7/11/03, 0730

Relinquished By: Kristina Williams

Date/Time: 7/11/03, 0730

Received By:

Date/Time: 7/11/03, 0805

Relinquished By:

Date/Time: 7/11/03, 0805

Received For Lab By: Jessica Thomas AIL

0307209

02442

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

11A

Field Sample # 11D-TB-71003 Date: 7/10/03

Stage/Zone: N/A Time: 1545

Site # N/A

Location Description: N/A

Probe Type: N/A Probe/Port Depth: N/A (ft)

Installation/Drilling Difficulty:

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

Surface Conditions (circle one):

Asphalt Cement Cobbles Soil Vegetation Other:

Bulb number: 34593 Humidity: N/A (%)

Sampling Flow Rate: ~~34593~~ KMW 100 (ml/min) Air Temperature (°C): N/A

Sample Time (start): 1543 Weather: sunny, hot

Time (end): 1545 Barometric Pressure (mmHg): N/A

Volume Purged (mls): Thermocouple Temperature (°C): N/A

Bulb Volume (mls): 1000 Thermocouple Location: N/A

Thermocouple Depth: N/A

REMARKS/COMMENTS:

summa initial pressure 29 Hg
used AAL-060 for purge

21 × 0.6 = 12.6

1 × 3.8 = 3.8

150 × 1 + 16.4 = 166.4

$\frac{166.4}{100}$ = 1.66 × 3 = 5.0

- quarter inch jumper tubing from T to summa was also used on sample 4D-SP23-10

mw 7/21/03
1.0"Hg

Date/Time: 7/10/03 / 1545 Samples Taken By: Kristina V Williams

Date/Time: 7/11/03 / 0730 Relinquished By: Kristina Williams

Date/Time: 7/11/03 / 0730 Received By: [illegible]

Date/Time: 7/11/03 / 0810 Relinquished By: [illegible]

Date/Time: 7/11/03 / 0810 Received For Lab By: Farrah Thomas