0307505

02533

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

0.0" Hg

01A

Field Sample # De-SP07-10

Date: 7/23/03

Stage/Zone:

Time: 0842

Site # D(e)-SP07

Location Description:

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: 34624

Humidity: NA (%)

Sampling Flow Rate: (ml/min)

Air Temperature (°C): NA

Sample Time (start): 0840

Weather: Warm, sunny

Time (end): 0842

Barometric Pressure (mmHg): NA

Volume Purged (mls): 489

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 1000

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

21 x 0.6 = 12.6

150 + 12.6 = 163

$\frac{163}{100}$ = 1.63 x 3 = 4.89

initial pressure 29 Hg

analysis : TO-14

Date/Time: 7/23/03 / 0842

Samples Taken By: Kristina Williams

Date/Time: 7/23/03 / 1620

Relinquished By: Kristina Williams

Date/Time: 7/23/03 / 1620

Received By: Tony Bardel AR

Date/Time: /

Relinquished By:

Date/Time: /

Received For Lab By:

0307505

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02534

3.04Hg

02A Field Sample # C32-SV05-10

Date: 7/23/03

Stage/Zone:

Time: 0925

Site # C32-SV05

Location Description: C32

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: 34653

Humidity: NA (%)

Sampling Flow Rate: (ml/min)

Air Temperature (°C): NA

Sample Time (start): 0923

Weather: warm, sunny, part cloudy

Time (end): 0925

Barometric Pressure (mmHg): NA

Volume Purged (mls): 489

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 1000

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

initial pressure 29 Hg

21 x 0.6 = 12.6

150 + 13 = 163

$\frac{163}{100}$ = 1.63 x 3 = 4.89

TO-14

Date/Time: 7/23/03 / 0925

Samples Taken By: Kristina Williams

Date/Time: 7/23/03 / 1620

Relinquished By: Kristina Williams

Date/Time: 7/23/03 / 1620

Received By: Tony Bodell ATL

Date/Time: /

Relinquished By:

Date/Time: /

Received For Lab By:

0307505

02539

0.54 Hg

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

03A Field Sample # C3Z-TB72303

Date: 7/23/03

Stage/Zone:

Time: 1000

Site #

Location Description: C32

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:

Bulb number: 34669

Humidity: NA (%)

Sampling Flow Rate: (ml/min)

Air Temperature (°C): NA

Sample Time (start): 0958

Weather: warm, partly cloudy

Time (end): 1000

Barometric Pressure (mmHg): NA

Volume Purged (mls): 489

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 1000

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

ambient air blank
initial pressure 29 Hg

21 × 0.6 = 12.6

150 + 12.6 ≈ 163

$\frac{163}{100}$ = 1.63 × 3 = 4.89

TO-14

Date/Time: 7/23/03 / 1000

Samples Taken By: Kristina Williams

Date/Time: 7/23/03 / 1620

Relinquished By: Kristina Williams

Date/Time: 7/23/03 / 1620

Received By: Eng. Bobbl ATL

Date/Time: /

Relinquished By:

Date/Time: /

Received For Lab By:

0307505

15.5"Hg

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02535

04A Field Sample # C32-SV02-20

Date: 7/23/03

Stage/Zone:

Time: 1017

Site #

Location Description: C32

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: 34664

Sampling Flow Rate: (ml/min)

Sample Time (start): 1015

Time (end): 1017

Volume Purged (mls): KMW ~~489~~ 516

Bulb Volume (mls): 1000

Humidity: NA (%)

Air Temperature (°C): NA

Weather: warm, partly cloudy

Barometric Pressure (mmHg): NA

Thermocouple Temperature (°C): NA

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

initial pressure: 30

~~21×0.6 = 12.6~~

~~12.6 + 150 ≈ 163~~

KMW

~~$\frac{163}{100}$ = 1.63 × 3 = 489 ≈ 5 × 2 = 10 min purge~~

36 × 0.6 = 21.6 ≈ 22

150 + 22 = 172 cc

$\frac{172}{100}$ = 1.72 × 3 = 5.16

TO-14

Date/Time: 7/23/03 / 1017

Date/Time: 7/23/03 / 1620

Date/Time: 7/23/03 / 1620

Date/Time: /

Date/Time: /

Samples Taken By: Kristina Williams

Relinquished By: Kristina Williams

Received By: Tuyen Bardal AIR

Relinquished By:

Received For Lab By:

0307505

16.5" Hg

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02536

OSA Field Sample # C32-SV02D-20

Date: 7/23/03

Stage/Zone:

Time: 1027

Site #

Location Description: C32

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: 34660

Humidity: NA (%)

Sampling Flow Rate: (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1025

Weather: warm, partly cloudy

Time (end): 1027

Barometric Pressure (mmHg): NA

Volume Purged (mls): ~~489~~ KMW 516

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 1000

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

initial pressure: 30 Hg

~~21 x 0.6 = 12.6~~

~~150 + 13 = 163~~

KMW

~~$\frac{163}{100}$ = 1.63 x 3 = 4.89 x 2 ≈ 10 min purge~~

36 x 0.6 = 21.6 ≈ 22

150 + 22 = 172

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

TO-14

Date/Time: 7/23/03 / 1027

Samples Taken By: Christina Williams

Date/Time: 7/23/03 / 1620

Relinquished By: Christina Williams

Date/Time: 7/23/03 / 1620

Received By: Tony Bostal AR

Date/Time: /

Relinquished By:

Date/Time: /

Received For Lab By:

0307505

3.0" Hg 7/23/03

02537

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

06A Field Sample # C32-SV03-10

Date: 7/23/03

Stage/Zone:

Time: 1109

Site #

Location Description: C32

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: 24401

Humidity: NA (%)

Sampling Flow Rate: (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1107

Weather: warm, partly cloudy

Time (end): 1109

Barometric Pressure (mmHg): NA

Volume Purged (mls): 489

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 1000

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

initial pressure: 29.5

21 x 0.6 = 12.6

150 + 13 = 163

$\frac{163}{100}$ = 1.63 x 3 = 4.89

TO-14

Date/Time: 7/23/03 / 1109

Samples Taken By: Kristina Williams

Date/Time: 7/23/03 / 1620

Relinquished By: Kristina Williams

Date/Time: 7/23/03 / 1620

Received By: Tony Bethel ATL

Date/Time: /

Relinquished By:

Date/Time: /

Received For Lab By:

0307505

0.5"Hg 7/23/03

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02538

07A Field Sample # C32-SV04-10 Date: 7/23/03

Stage/Zone: Time: 1144

Site #

Location Description:

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: 31786 Humidity: NA (%)

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

Sample Time (start): 1142 Weather: warm partly cloudy

Time (end): 1144 Barometric Pressure (mmHg): NA

Volume Purged (mls): 4.89 Thermocouple Temperature (°C): NA

Bulb Volume (mls): 1000 Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

initial pressure: 30

21 × 0.6 = 12.6

13 + 150 = 163

$\frac{163}{100}$ = 1.63 × 3 = 4.89

TO-14

Date/Time: 7/23/03, 1144 Samples Taken By: Kristina Williams

Date/Time: 7/23/03, 1620 Relinquished By: Kristina Williams

Date/Time: 7/23/03, 1620 Received By: Guy Bobb ATL

Date/Time: / Relinquished By:

Date/Time: / Received For Lab By:

0307505

1.5 "Hg 2/1/2/03

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02540

08A Field Sample # 11D-SP18-10

Date: 7/23/03

Stage/Zone:

Time: 1314

Site # 11D-SP18

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: 14527

Humidity: NA (%)

Sampling Flow Rate: (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1312

Weather: warm, partly cloudy

Time (end): 1314

Barometric Pressure (mmHg): NA

Volume Purged (mls): 489

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 1000

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

initial pressure: 30

2 ft × 0.6 cc/ft = 12.6 cc ≈ 13 cc

150 cc + 13 cc = 163 cc

TO-14

$\frac{163\ cc}{100\ cc/min}$ = 1.63 min × 3 = 4.89 min

Date/Time: 7/23/03 1314

Samples Taken By: Kristina Williams

Date/Time: 7/23/03 1620

Relinquished By: Kristina Williams

Date/Time: 7/23/03 1620

Received By: Tanya Bastel ATL

Date/Time: /

Relinquished By:

Date/Time: /

Received For Lab By:

0307505

1.0 uHg 7/29/03

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02541

09A

Field Sample # 7D-SP13-10

Date: 7/23/03

Stage/Zone:

Time: 1347

Site # 7D-SP13

Location Description: 7D

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: 25210

Humidity: NA (%)

Sampling Flow Rate: (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1345

Weather: warm, cloudy

Time (end): 1347

Barometric Pressure (mmHg): NA

Volume Purged (mls): 489

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 1000

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

initial pressure: 30

21 × 0.6 = 12.6

150 + 13 = 163

$\frac{163}{100}$ = 1.63 × 3 = 4.89

TO-14

Date/Time: 7/23/03 / 1347

Samples Taken By: Kristina Williams

Date/Time: 7/23/03 / 1620

Relinquished By: Kristina Williams

Date/Time: 7/23/03 / 1620

Received By: Tony Bedal ATL

Date/Time: /

Relinquished By:

Date/Time: /

Received For Lab By:

0307505

1.0 "Hg 7/29/03

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02543

10A

Field Sample # C10-SV06-10

Date: 7/23/03

Stage/Zone:

Time: 1534

Site #

Location Description: C10

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: 34147

Humidity: NA (%)

Sampling Flow Rate: (ml/min)

Air Temperature (°C): NA

Sample Time (start): 1532

Weather: warm, cloudy

Time (end): 1534

Barometric Pressure (mmHg): NA

Volume Purged (mls): 489

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 1000

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

21 x 0.6 = 12.6 ≈ 13

150 + 13 = 163

$\frac{163}{100}$ = 1.63 x 3 = 4.89

Date/Time: 7/23/03 / 1534

Samples Taken By: Kristina Williams

Date/Time: 7/23/03 / 1620

Relinquished By: Kristina Williams

Date/Time: 7/23/03 / 1620

Received By: Tarja Bacal ATL

Date/Time: /

Relinquished By:

Date/Time: /

Received For Lab By: