0307609

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02544

01A

Field Sample # C10-SV04-20

Date: 07/24/03

Stage/Zone:

Time: 0800

Site # C10

Location Description:

Probe Type: Direct-Push

Probe/Port Depth: 20 (ft)

Installation/Drilling Difficulty: NONE

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

Surface Conditions (circle one):

Asphalt Cement (Cobbles) (Soil) Vegetation Other:

Bulb number: 34155

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°F): 70°F

Sample Time (start): 0829

Weather: OVERCAST, WARM

Time (end): 0835

Barometric Pressure (mmHg): NA

Volume Purged (mls): 600

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 1000

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

INITIAL BULB VACUUM - 30 Hg

35 L/F X 0.6 = 21 cc

21 + 150 = 171 cc

171 X 3 = 513 cc

513 cc / 100 cc/min = 5.13 min PURGE

MW 7/24/03 0.0" Hg

ANALYZE FOR TO-14

Date/Time: 7/24/03 / 0837

Samples Taken By: DAVID S. BETTS

Date/Time: 7/24/03 / 1635

Relinquished By: DAVID S. BETTS

Date/Time: 7/24/03 / 1685

Received By: Tanya Bordal ATL

Date/Time: /

Relinquished By:

Date/Time: /

Received For Lab By:

0307609

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02545

02A Field Sample # C10-SV07-10 Date: 7/24/03

Stage/Zone: Time: 0850

Site # C10

Location Description:

Probe Type: DIRECT-PUSH Probe/Port Depth: 10' (ft)

Installation/Drilling Difficulty: NONE

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

Surface Conditions (circle one):

Asphalt Cement (Cobbles) (Soil) (Vegetation) Other:

Bulb number: 33642 Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min) Air Temperature (°C): 75°F

Sample Time (start): 0912 Weather: cloudy, warm

Time (end): 0917 Barometric Pressure (mmHg): NA

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

Bulb Volume (mls): 1000 Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

INITIAL BULB PRESSURE -30 Hg

25 ft × 0.6 = 15 cc

15 cc + 150 cc = 165 cc

165 cc × 3 = 495 cc

495 cc / 100 cc/min = 4.95 min PURGE

1.5 hr min 7hr

ANALYZE FOR TO-14

Date/Time: 7/24/03 / 0914 Samples Taken By: DAVID S. BETTS

Date/Time: 7/24/03 / 1835 Relinquished By: DAVID S. BETTS

Date/Time: 7/24/03 / 1635 Received By: Tanya Bardol ATL

Date/Time: / Relinquished By:

Date/Time: / Received For Lab By:

0307609

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02546

03A Field Sample # FCS-SP16-5 Date: 7/24/03

Stage/Zone: Time: 0955

Site # FCS

Location Description:

Probe Type: Direct-Push Probe/Port Depth: 5' (ft)

Installation/Drilling Difficulty: None

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

Surface Conditions (circle one):

Asphalt Cement Cobbles Soil Vegetation Other:

Bulb number: 25278 Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min) Air Temperature (°C): 80°F

Sample Time (start): 1022 Weather: Hot Clouds, warm, breezy

Time (end): 1027 Barometric Pressure (mmHg): NA

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

Bulb Volume (mls): 1000 Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS: INITIAL BULB VACUUM -30 Hg

18 cu/ft X 0.6 = 10.8 cc

10.8 + 150 = 160.8 cc

160.8 cc X 3 = 482.4 cc

482.4 cc / 100 cc/min = 4.82 min PURGE

1.5 Hg min 9/1/03

ANALYZE FOR TO-14

Date/Time: 7/24/03 / 1029 Samples Taken By: David S. Betts

Date/Time: 7/24/03 / 1635 Relinquished By: David S. Betts

Date/Time: 7/24/03 / 1635 Received By: Tony Bridal ATL

Date/Time: / Relinquished By:

Date/Time: / Received For Lab By:

0307609

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02547

OHA Field Sample # FCS-SP07-5 Date: 7/24/03

Stage/Zone: Time: 1030

Site # FCS

Location Description:

Probe Type: DIRECT-PUSH Probe/Port Depth: 5' (ft)

Installation/Drilling Difficulty: NONE

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

Surface Conditions (circle one):

Asphalt Cement Cobbles Soil Vegetation Other:

Bulb number: 24385 Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min) Air Temperature (°F): 90 °F

Sample Time (start): 1054 Weather: SLIGHTLY CLOUDY, WARM, LIGHT WIND

Time (end): 1059 Barometric Pressure (mmHg): NA

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

Bulb Volume (mls): 1000 Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

INITIAL BULB VACUUM - 30 Hg

18 4ft x 0.6 = 10.8 cc

10.8 + 150 = 160.8 cc

160.8 cc x 3 = 482.4 cc

482.4 cc / 100 cc/min = 4.82 min PURGE

1.0" Hg min 3/24

ANALYZE FOR TO-14

Date/Time: 7/24/03 / 1101 Samples Taken By: DAVID S. BETS

Date/Time: 7/24/03 / 1635 Relinquished By: DAVID S. BETS

Date/Time: 7/24/03 / 1635 Received By: Tonya Bardel ATL

Date/Time: / Relinquished By:

Date/Time: / Received For Lab By:

0307609

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02548

OSA Field Sample # FCS-SPOTD-5 Date: 7/24/03

Stage/Zone: Time: 1100

Site # FCS

Location Description:

Probe Type: DIRECT-PUSH Probe/Port Depth: 5' (ft)

Installation/Drilling Difficulty:

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

Surface Conditions (circle one):

Asphalt Cement Cobbles Soil Vegetation Other:

Bulb number: 33649 Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min) Air Temperature (°F): 90°F

Sample Time (start): 1102 Weather: SLIGHTLY CLOUDY, WARM, LIGHT WIND

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:

INITIAL BULB VACUUM - 30 HG

18 cf x 0.6 = 10.8 cc

10.8 cc + 150 cc = 160.8 cc

160.8 cc x 3 = 482.4 cc

482.4 cc / 100 cc/min = 4.82 MIN. PURGE

1.0" Hg min/ml

ANALYZE FOR TO-14

Date/Time: 7/24/03 / 1109 Samples Taken By: DAVID S. BETTS

Date/Time: 7/24/03 / 1635 Relinquished By: DAVID S. BETTS

Date/Time: 7/24/03 / 1635 Received By: Tanya Bodal ESL

Date/Time: / Relinquished By:

Date/Time: / Received For Lab By:

0307609

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02549

06A

Field Sample # FCS-SP10-5 Date: 7/22/03

Stage/Zone: Time: 1130

Site # FCS

Location Description:

Probe Type: DIRECT-PUSH Probe/Port Depth: 5 (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): 90°F

Sample Time (start): 1139 Weather: HIGH CLOUDS, WARM, LIGHT WIND

Time (end): ~~1148~~ (JSB) 1144 Barometric Pressure (mmHg): NA

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

Bulb Volume (mls): 150 Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

NO INITIAL BULB VACUUM ON AEROSET SAMPLE BULBS

18 X 0.6 = 10.8 cc
4F

10.8 cc + 150 cc = 160.8 cc

160.8 cc X 3 = 482.4 cc

482.4 cc / 100 cc/min = 4.82 min. PURGE

1.0" Hg

ANALYZE FOR TO-14

Date/Time: 7/24/03 / ~~1148~~ (JSB) 1146 Samples Taken By: DAVID S. BEEB

Date/Time: 7/24/03 / 1635 Relinquished By: DAVID S. BEEB

Date/Time: 7/24/03 / 1635 Received By: Tonya Bailey ATL

Date/Time: / Relinquished By:

Date/Time: / Received For Lab By:

0307609

02550

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

07A

Field Sample # 4D-SP23-5

Date: 7/24/03

Stage/Zone:

Time: 1205

Site # 4D

Location Description:

Probe Type: DIRECT-PUSH

Probe/Port Depth: 5' (ft)

Installation/Drilling Difficulty: NONE

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 (°F): 95°F

Sample Time (start): 1219

Weather: HIGH CLOUDS, WARM, WINDY

Time (end): 1224

Barometric Pressure (mmHg): NA

Volume Purged (mls): 500

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 150

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

NO INITIAL BULB VACUUM ON AEROJET-SUPPLIED SAMPLE BULBS

18 X 0.6 = 10.8cc
V/F

10.8cc + 150cc = 160.8cc

160.8 X 3 = 482.4cc

482.4cc / 100cc/min = 4.82 min PURGE

1.5" HR
mv 7/24

ANALYZE TO TO-14

Date/Time: 7/24/03 / 1220

Samples Taken By: DAVID S. BETRS

Date/Time: 7/24/03 / 1635

Relinquished By: DAVID S. BETRS

Date/Time: 7/24/03 / 1635

Received By: Tayk Bodal ATL

Date/Time: /

Relinquished By:

Date/Time: /

Received For Lab By:

0307609

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02552

08A Field Sample # 11D-SP25-5 Date: 7/24/03

Stage/Zone: Time: 1245

Site # 11D

Location Description:

Probe Type: DIRECT-PUSH Probe/Port Depth: 5' (ft)

Installation/Drilling Difficulty: NONE

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): 95°F

Sample Time (start): 1300 Weather: OVERCAST, WARM, SLIGHT BREEZE

Time (end): 1305 Barometric Pressure (mmHg): NA

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

Bulb Volume (mls): 150 Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

NO INITIAL BULB VACUUM ON AEROJET SUPPLIED BULBS.

$18_{yr} \times 0.6 = 10.8cc$

$10.8_{cc} + 150_{cc} = 160.8cc$

$160.8_{cc} \times 3 = 482.4cc$

$482.4_{cc} / 100_{cc/min} = 4.82$ MIN. PURGE

0.5" HB AW 7/28/03

ANALYZE FOR TC-14

Date/Time: 7/24/03 / 1301 Samples Taken By: DAVID S. BETTS

Date/Time: 7/24/03 / 1035 Relinquished By: DAVID S. BETTS

Date/Time: 7/24/03 / 1635 Received By: Tonya Bradd ATL

Date/Time: / Relinquished By:

Date/Time: / Received For Lab By:

0307609

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02553

09A Field Sample # 100-TB072403 Date: 7/24/03

Stage/Zone: Time: 1330

Site # 100

Location Description:

Probe Type: NA Probe/Port Depth: SURFACE (ft)

Installation/Drilling Difficulty: NA

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

Surface Conditions (circle one): NA

Asphalt Cement Cobbles (BB) Soil Vegetation Other:

Bulb number: ATL-~~045~~ 019 Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min) Air Temperature (~~°C~~): 95°F +

Sample Time (start): 1335 Weather: OVERCAST, HOT

Time (end): 1340 Barometric Pressure (mmHg): NA

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

Bulb Volume (mls): 150 Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

NO INITIAL BULB VACUUM ON AEROJET SUPPLIED BULBS

18 X 0.6 = 10.8 cc
C/F

10.8 cc + 150 cc = 160.8 cc

160.8 cc x 3 = 482.4 cc

482.4 cc / 100 cc/min = 4.82 MIN. PURGE

1.5" Hg MW 7/28/03

ANALYZE FOR TO-14

Date/Time: 7/24/03 / 1342 Samples Taken By: David S. Beard

Date/Time: 7/24/03 / 1635 Relinquished By: DAVID S. BEARD

Date/Time: 7/24/03 / 1635 Received By: Tony Bradd ATL

Date/Time: / Relinquished By:

Date/Time: / Received For Lab By:

0307609

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02554

KA Field Sample # 100-5934-5 Date: 7/24/03

Stage/Zone: Time:

Site # 101

Location Description:

Probe Type: DIRECT-PUSH Probe/Port Depth: 5' (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

Sampling Flow Rate: 100 (ml/min)

Sample Time (start): 1345

Time (end): 1350

Volume Purged (mls): 500

Bulb Volume (mls): 150 cc

Humidity: NA (%)

Air Temperature (°C): 95°F

Weather: OVERCAST, HOT

Barometric Pressure (mmHg): NA

Thermocouple Temperature (°C): NA

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

NO INITIAL BULB VACUUM ON ALREADY SUPPLIED BULBS

18 in Hg × 0.6 = 10.8 cc

10.8 cc + 150 cc = 160.8 cc

160.8 cc × 3 = 482.4 cc

482.4 cc / 100 cc/min = 4.82 min. PURGE

0.5" HG MW 7/24/03

ANALYZE FOR TO-14

Date/Time: 7/24/03 / 1352 Samples Taken By: DAVID S. BOTS

Date/Time: 7/24/03 / 1635 Relinquished By: DAVID S. BOTS

Date/Time: 7/24/03 / 1635 Received By: Tanya Podolak ATL

Date/Time: / Relinquished By:

Date/Time: / Received For Lab By: