0307449

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02523

01A Field Sample # AJLA - SP06 - 10

Date: 7/22/03

Stage/Zone:

Time: 0735

Site # LANDFILL

Location Description: AEROJET LANDFILL

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: 11827

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°F): 75° F

Sample Time (start): 0809

Weather: CLEAR, WARM

Time (end): 0815

Barometric Pressure (mmHg): NA

Volume Purged (mls): 5.2

Thermocouple Temperature (°C): NA

Bulb Volume (mls): 1000

Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

INITIAL BLUB ~~PRESSURE~~ DSB

29 Hg VACUUM

21 X 0.6 = 12.6

150 + 13 = 163

163 + 12.6 = 175.6 X 3 = 526.8

~~175.6 / 100 cc/min~~ DSB = 526.8 / 100 cc/min = 5.2 MIN PURGE

7/23/03

0.5 "Hg

ANALYZE FOR TO-14

Date/Time: 7/22/03 / 0818

Date/Time: 7/22/03 / 1135

Date/Time: 7/22/03 / 1135

Date/Time: /

Date/Time: /

Samples Taken By: DAVID S. BETTS

Relinquished By: DAVID S. BETTS

Received By: Nicole L. Salerno ATL

Relinquished By:

Received For Lab By:

0307449

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02524

02A Field Sample # AJLA-SP05-10 Date: 7/22/03

Stage/Zone: Time: 0830

Site #

Location Description: AEROJET LANDFILL

Probe Type: DIRECT-PUSH 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: 31776 Humidity: NA (%)

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

Sample Time (start): 0852 Weather: CLEAR, WARM

Time (end): 0857 Barometric Pressure (mmHg): NA

Volume Purged (mls): ~~495~~ 4.95 Thermocouple Temperature (°C): NA

Bulb Volume (mls): 1000 Thermocouple Location: NA

Thermocouple Depth: NA

REMARKS/COMMENTS:

25 cc/f x .06 = 15 cc

15 + 150 = 165 cc

165 x 3 = 495 cc TOTAL PURGE

495 x 100 cc/min = 4.95 MIN PURGE

INITIAL BULB VACUUM 29 Hg

7/23/03 1.0 "Hg

ANALYZE FOR TO-14

Date/Time: 7/22/03 / 0859 Samples Taken By: DAVID S. BETB

Date/Time: 7/22/03 / 1135 Relinquished By: DAVID S. BETB

Date/Time: 7/22/03 / 1135 Received By: [illegible]

Date/Time: / Relinquished By:

Date/Time: / Received For Lab By:

0307449

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02525

03A Field Sample # AJLA-SP04-10 Date: 7/22/03

Stage/Zone: Time: 0915

Site #

Location Description: AEROJET LANDFILL

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: 33398 Humidity: NA (%)

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

Sample Time (start): 0932 Weather: CLEAR/WARM

Time (end): 0937 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 ~~PRESSURE~~ BULB ~~PRE~~ VACUUM — 29 Hg

25 c/f x 0.6 = 15 cc

15 x 150 = 165 cc

165 x 3 = 495 cc

495 cc x 100 cc/min = 4.95 min. PURGE

7/23/03

1.0 "Hg

ANALYZE FOR TO-14

Date/Time: 7/22/03 / 0939 Samples Taken By: DAVID S. BETTS

Date/Time: 7/22/03 / 1135 Relinquished By: DAVID S. BETTS

Date/Time: 7/22/03 / 1135 Received By: Nicole Zaleski AZ

Date/Time: / Relinquished By:

Date/Time: / Received For Lab By:

0307449

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02526

04A Field Sample # AJLA-02-10 Date: 7/22/03

Stage/Zone: Time: 0955

Site # AEROJET LANDFILL

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: 25281 Humidity: NA (%)

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

Sample Time (start): 1015 Weather: CLEAR, WARM

Time (end): 1020 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 - 29 Hg

25 °F x 0.6 = 15 cc

15 cc + 150 cc = 165 cc

165 x 3 = 495 cc

495/100 cc/min = 4.95 min PURGE

7/23/03
1.0 "Hg

ANALYZE FOR TO-14

Date/Time: 7/22/03 / 1022 Samples Taken By: DAVID S. BETTS

Date/Time: 7/22/03 / 1135 Relinquished By: DAVID S. BETTS

Date/Time: 7/22/03 / 1135 Received By: [illegible]

Date/Time: / Relinquished By:

Date/Time: / Received For Lab By:

0307449

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02527

05A

Field Sample # AJLA-SP03

Date: 7/22/03

Stage/Zone:

Time: 1040

Site #

Location Description: AEROJET LANDFILL

Probe Type: DIRECT-PUSH

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: 9364

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): 90°F

Sample Time (start): 1058

Weather: CLEAR, HOT

Time (end): 1103

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 - 29 Hg

25 YF X 0.6 = 15 cc

15 cc + 150 cc = 165 cc

165 cc x 3 = 495 cc

495 cc / 100 cc/min = 4.95 min PURGE

[illegible] 7/23/03

1.0" Hg

Date/Time: 7/22/03 / 1105

Date/Time: 7/22/03 / 1135

Date/Time: 7/22/03 / 1135

Date/Time: /

Date/Time: /

Samples Taken By: DAVID S. BETTS [signature]

Relinquished By: DAVID S. BETTS [signature]

Received By: Nicole L Salerno ATL

Relinquished By:

Received For Lab By:

0307449

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02528

OGA

Field Sample # AJLA - SP01 - 10'

Date : 7/22/03

Stage/Zone:

Time: 1210

Site #

Location Description: AEROJET LANDFILL

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: 34632

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): 95° F

Sample Time (start): 1237

Weather: CLEAR, HOT BREEZY

Time (end): 1242

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 ~ 29 Hg

25 cc/F x 0.6 = 15 cc

15 cc + 150 cc = 165 cc x 3 = 495 cc

~~495~~ 495 cc / 100 cc/min = 4.95 min. purge

495 cc

7/23/03

28.0 "Hg

ANALYZE FOR TO-14

Date/Time: 7/22/03 / 1244

Samples Taken By: DAVID S. BOTTS

Date/Time: 7/22/03 / 1540

Relinquished By: DAVID S. BOTTS

Date/Time: 7/22/03 / 1540

Received By: Tony Bokel ATL

Date/Time: /

Relinquished By:

Date/Time: /

Received For Lab By:

0307449

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02529

07A

Field Sample # AJLA-SP01D-10

Date: 7/22/03

Stage/Zone:

Time: 1244

Site #

Location Description: AEROJET LANDFILL

Probe Type: DIRECT-PUSH

Probe/Port Depth: (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: 34167

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): 95°F

Sample Time (start): ~~1248~~ PSB 1244

Weather: CLEAR, HOT, BREEZY

Time (end): ~~1258~~ PSB 1249

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

25 °F x 0.6 = 15 cc

15 cc + 150 cc = 165 cc

165 cc x 3 = 495 cc

495 cc / 100 cc/min = 4.95 MIN. PURGE

7/23/03

1.0" Hg

ANALYZE FOR TO-14

Date/Time: 7/22/03 / ~~1300~~ PSB ~~1350~~ 1251 PSB

Date/Time: 7/22/03 / 1530

Date/Time: 7/22/03 / 1540

Date/Time: /

Date/Time: /

Samples Taken By: DAVID S. BETTS

Relinquished By: DAVID S. BETTS

Received By: Tanya Bristol ATL

Relinquished By:

Received For Lab By:

0307449

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02530

08A Field Sample # D(e)-SP05-10 Date: 7/22/03

Stage/Zone: Time: 1315

Site # D(e)

Location Description: SITE D(e)

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: 11835 Humidity: NA (%)

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

Sample Time (start): 1336 Weather: CLEAR, HOT

Time (end): 1341 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

25 yf x 0.6 = 15 cc

15 cc + 150 cc = 165 cc

165 cc x 3 = 495 cc

495 cc / 100 cc/min = 4.95 MIN. PURGE

7/23/03

1.5 "Hg

ANALYZE FOR TO-14

Date/Time: 7/22/03 / 1343 Samples Taken By: DAVID S. BEBI

Date/Time: 7/22/03 / 1540 Relinquished By: DAVID S. BEBI

Date/Time: 7/22/03 / 1540 Received By: Tony Bachl ATL

Date/Time: / Relinquished By:

Date/Time: / Received For Lab By:

0307449

02531

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

09A Field Sample # D(e)-TB072203

Date: 7/22/03

Stage/Zone:

Time: 1353

Site # D(e)

Location Description: SITE D(e)

Probe Type: NA

Probe/Port Depth: SURFACE (ft)

Installation/Drilling Difficulty: NA

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

Surface Conditions (circle one):

Asphalt Cement Cobbles Soil Vegetation Other:

Bulb number: 34658

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (°C): 100+ °F

Sample Time (start): 1408

Weather: CLEAR / HOT

Time (end): 1413

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

254F X 0.6 = 15 cc

15cc * 150cc = 165 cc

165cc x 3 = 495 cc

495cc / 100 cc/min = 4.95 MIN. PURGE

[illegible] 7/23/03

2.0" Hg

ANALYZE FOR TO-14

Date/Time: 7/22/03 / 1415

Date/Time: 7/22/03 / 1540

Date/Time: 7/22/03 / 1540

Date/Time: /

Date/Time: /

Samples Taken By: DAVID S. BETTS [signature]

Relinquished By: DAVID S. BETTS [signature]

Received By: Tanya Bakdal ATL

Relinquished By:

Received For Lab By:

0307449

SOIL VAPOR CHAIN-OF-CUSTODY AND FIELD DATA SHEET

02532

10A Field Sample # D(e)-SP06-~~DO~~ 9 (DSB)

Date: 7/22/03

Stage/Zone:

Time: 1420

Site # D(e)

Location Description:

Probe Type: DIRECT - PUSH

Probe/Port Depth: 9 (ft)

Installation/Drilling Difficulty: ~~NONE~~ (DSB) REFUSAL @ 6' (FIRST ATTEMPT). COULD NOT PUSH PAST 9' BGS.

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

Surface Conditions (circle one):

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

Bulb number: 34661

Humidity: NA (%)

Sampling Flow Rate: 100 (ml/min)

Air Temperature (~~°C~~): 100° F +

Sample Time (start): 1448

Weather: CLEAR / HOT

Time (end): 1453

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

25 c/F x 0.6 = 15 cc

15 cc + 150 cc = 165 cc

165 cc X 3 = 495 cc

495 cc / 100 cc/min = 4.95 MIN. PURGE

[illegible] 7/23/03

2.5 "Hg

ANALYZE FOR TO-14

Date/Time: 7/22/03 / 1455

Date/Time: 7/22/03 / 1540

Date/Time: 7/22/03 / 1540

Date/Time: /

Date/Time: /

Samples Taken By: DAVID S. BETTS [signature]

Relinquished By: DAVID S. BETTS [signature]

Received By: Tanya Bartel ATL

Relinquished By:

Received For Lab By: