

SOKKIA

ENGINEER'S
FIELD BOOK

Kothleman Hills

0742-816

SOLA

No. 8152-30

3/30

Set up decon
cleaned 1st set
bowls spoons.

Staked NE and SW
Areas with Rod

o/c
rough for test
to 2 1/2 barrels
average 2.5

3/31/09

12:45

PCB Congener Sampling

D. Sala, M. Shemako, R. Feller

M. Hite

J. Beach

9:50

SW-01

silty sand

primarily glassy

~3 m offset

10:05

SW-02

~3 m offset from "dust"

silty sand

2 handfuls per

composite increment

for field split

10:20

SW-03

~3 m offset

silty sand

10:35

SW-04

~10 m offset

silty sand

10:50

SW-05

~8 m offset

silty sand

11:06

SW-06

~15 m up hill

silty sand (pebbles)

with rock (tied to)

(omit rock in sample)

3/31/09 KHF PCB

M.S. - Wenck

D.S. - Wenck

R.F. - WM

M.P. - EPA - IX

J.B. EPA - IX

11:21 SW-07

~ 2 m offset
silty sand

11:34 SW-08

~ 20 m offset
silty sand

11:46 SW-09

~ 7 m offset
silty sand

11:58 SW-10

no offset
silty sand
outside firebreak
inside fence and property line

3/31/09 KHF PCB

(cont'd)

SW-10

apparent storm water
runoff pathway

SW-FS

FS = Field Split

USEPA - IX collected
a field composite

ChM collected a duplicate
of the field composite

3/31/09 South Segment

S-10

offset 50' from Fence
(sm) silty sand
Time 3:44

S-9

offset \approx 100'
wide Fire break above
a bank
silty sand good
grass cover, roots
(sm) 16:00

S-8

offset 30' from Road
(sm)
good grass cover
16:15

3-31-09

S-7 75' offset

grassy area on top of hill
(sm) roots
16:30

S-6

slope grassy area
offset 30' from Rd
(sm) sand,
4:44

S-5

offset 40' Rd
(sm) Pansate
Blank ss
17:05

3-31-09

S-4 offset 30' Pond
(5m) 17:15

S-3 offset 50
up top steep Bank
Area graded with
B-18 constructed
(RJT)

17:34

(5m)

S-2 offset 50'
short grass
17:48

3-31-09

S-1 offset 30' Rd
grassy / bare patches
17:59
(5m)

~~3-31-09~~
4/1/09

KAF

M. Shemmer

D. Sola

R. Fadden

M. Plave

J. Beach

8:01 AM

EPA IX arrive

8:28 B-18-01

silty sand

- Location at fence between disturbed areas
- Green vegetation collected from edge of disturbed area to capture green growth
- soil collected from undisturbed area in grid

- All B-18 sample locations
Judgemental as determined
with guidance of J. Beach
and USEPA-IX

8:55 B-18-02

In drainage pathway
silty sand

4/1/09

9:10 B-18-03

Drainage pathway
with good potential
for deposition
silty sand

9:21 B-18-04

drainage pathway
silty sand

9:33 B-18-05

- inconsistent spacing
on sample based
on judgemental approach
- GPS coordinates
recorded and locations
flagged as with
all others
silty sand

4/1/09

9:52 B-18-06
silty sand
- low-lying area
between two disturbed
areas

- rinsate blank collected
in ~~fire~~^{ms} area

290401 - B18-06-R
R3F 9:55

- plume of particulate
blew from B-18
toward DMS-1
slightly West of
swale area

10:12 ~~9:12~~^{ms}

B18 07
silty sand

10:30

B18-08
silty sand

4/1/09

10:43 B18-09
silty sand
low lying drainage
area

11:00 B18-10

silty sand
25m from fence
Break to Deco, EPA-1X left site

13:45 SE-10

silty sand
some SE samples outside firebreak

13:58 SE-09

silty sand
drainage path
outside firebreak

14:05 SE-8

silty sand
outside firebreak

4/1/09

SE-7 14:20

silty sand
inside firebreak
~ 1 m offset

SE-6 14:30

silty sand

~ 3 m offset

SE-5 14:45

silty sand

SE-4 14:58

silty sand

- Flag location in Environmentally sensitive area
- Make minimal disturbance to enter, sample, and exit

4/1/09

- ~ 10 m offset

15:15 SE-3

silty sand of box ~ 1 m

15:22 SE-2

silty sand

offset ~ 1 m

15:33 SE-1

silty sand

offset 5 m

low lying drainage area
lots of sediment

SOKKIA

ENGINEER'S
FIELD BOOK

BACKGROUD
TEAM

WM-KHF
PCB Congenon
STUDY

No. 8152-30

MARCH 31, 2009

H/S BRIEF

SPEED LIMIT 15 MPH

ONLY DRILL ON FIREBIRDS

Security 6125

03/31/09
NE 10

WGS-84

FOR
LONDON

SILTY SAND

2 m IN FIRM SAND FLAG

NE 9

GRASSES longer 12-18"

RyeS BLENDEN w/ SAIT BRUSH

SOME GREEN SAIT BRUSH

SOME GREEN GRASS

SILTY SAND

NE 8

100% RYE

SHORT TO GROUND 4-6"

ALL BROWN

SILTY SAND

NE 7

95% RYE

5% PLANT SAME

FEW GREEN RYE PLANTS

ALL BROWN

SILTY SAND

NE 6

95% BROWN RYE 6-6"

5% MISC DEAD SEEDS

SILTY SAND

NE 5

~~90% RYE, 10% PASTURE UNKNOWN~~

~~SILTY~~

03/31/09

NE5

90% BROWN DEAD RYE

10% P. clay, woodw

SILTY SAND

NE4

90% BROWN DEAD RYE

10% BROWN DEAD misc other

SILTY SAND

NE3

IN A SWALE

6m south of Marked Flag

99% GREEN RYE 12-18"

SILTY SAND

NE2

IN A SWALE

20 m S x 20 m W of MARK

99% RYE DEAD

1% other SILTY SAND

NE1

99% Green GRASS - S. M. LAR looking
TO RYE

1% MISC other

SILTY SAND

03/31/09

N-1

SPARSE GRASS	SOIL STAIN
BROWN (ASSLED) RYE	90%
GREEN GRASS	10%

N-2

15-20 m IN FROM BROAD, BOTTOM OF SOURCE
90% MATURE / SEEDING GREEN RYE
10% SALT BUSH FRUITS
SOIL SAND MORE SAND THAN SILT

N-3

SPARSELY VEGETATED
100% SHORT BROWN RYE < 6"
SILTY SAND

N-4

SILTY SAND W/ ORANGE
AND PINK
SPARSE VEG
100% RYE
BROWN < 6"

N-5

SILTY SAND
100% THICK DRY RYE 8"

03/31/09

N-6

* RINSATE BLANK

DENSE RYE < 12"

Slightly shagreen green/moist brown
SEEDS AT END

SILT/SAND

N-7

90% DENSE RYE

BROWN < 12"

10% BRISTLY PLANT (see Clipped from NE)

SILTY SAND

N-8

100% RYE, SAME AS PREVIOUS

ALL W/ BROWN

N-9

100% THICK RYE

SOIL SAME

N-10

SAME AS PREVIOUS

Vegetation Collection Distribution
 Dioxin-Like PCB Congener Sampling
 Kettleman Hills Facility
 Kings County, CA

Vegetation Sample Collection
 Sampling Area: All
 Date: 3/31/09 to 4/1/09
 Stage: Green

Composite									
	W	NW	N	NE	SW	S	B-18	SE	Summary
Grasses (rye)	100%	85%	97%	92%	67%	89%	73%	84%	86%
Grasses	0%	0%	0%	0%	11%	0%	7%	0%	2%
Leaves	0%	8%	1%	8%	0%	6%	3%	2%	3%
Saltbrush	0%	2%	1%	0%	22%	0%	12%	14%	6%
Seeds	0%	0%	1%	0%	0%	4%	1%	0%	1%
Flowers	0%	5%	0%	0%	0%	2%	2%	0%	0.01
Forbs	0%	0%	0%	0%	0%	0%	0%	0%	0%
Fruits	0%	0%	0%	0%	0%	0%	0%	0%	0%
Whole Plant	0%	0%	0%	0%	0%	0%	4%	0%	1%

Vegetation Collection Distribution
 Dioxin-Like PCB Congener Sampling
 Kettleman Hills Facility
 Kings County, CA

Vegetation Sample Collection
 Sampling Area: W
 Date: 4/1/2009
 Stage: G

	Increment									
	1	2	3	4	5	6	7	8	9	10
Grasses (rye)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Grasses										
Leaves										
Saltbrush										
Seeds										
Flowers										
Forbs										
Fruits										
Whole Plant										
Comments:										

Notes: Most rye grass had gone to seed based on the weather and time of year.

Vegetation Collection Distribution
 Dioxin-Like PCB Congener Sampling
 Kettleman Hills Facility
 Kings County, CA

Vegetation Sample Collection
 Sampling Area: NW
 Date: 4/1/2009
 Stage: G

	Increment									
	1	2	3	4	5	6	7	8	9	10
Grasses (rye)	99%	50%	50%	80%	95%	100%	100%	100%	80%	100%
Grasses										
Leaves	1%	50%		20%	5%					
Saltbrush									20%	
Seeds										
Flowers			50%							
Forbs										
Fruits										
Whole Plant										
Comments:	Dry flowering plant	Green plant with leaves and stems	Green rye grass. Small green plant with purple flowers	small green clover	Dry flowering plant					

Notes: Most rye grass had gone to seed based on the weather and time of year.

Vegetation Collection Distribution
 Dioxin-Like PCB Congener Sampling
 Kettleman Hills Facility
 Kings County, CA

Vegetation Sample Collection
 Sampling Area: N
 Date: 3/31/2009
 Stage: G

	Increment									
	1	2	3	4	5	6	7	8	9	10
Grasses (rye)	90%	90%	100%	100%	100%	99%	90%	100%	100%	100%
Grasses										
Leaves						1%	10%			
Saltbrush		10%								
Seeds	10%									
Flowers										
Forbs										
Fruits										
Whole Plant										
Comments:	Oats w/ seeds					Dry, flowering plant	partially green rye grass. Dry flowering pant			

Notes: Most rye grass had gone to seed based on the weather and time of year.

Vegetation Collection Distribution
 Dioxin-Like PCB Congener Sampling
 Kettleman Hills Facility
 Kings County, CA

Vegetation Sample Collection
 Sampling Area: NE
 Date: 3/31/2009
 Stage: G

	Increment									
	1	2	3	4	5	6	7	8	9	10
Grasses (rye)	99%	99%	99%	100%	90%	90%	95%	100%	50%	100%
Grasses	1%									
Leaves			1%		10%	10%	5%		50%	
Saltbrush		1%								
Seeds										
Flowers										
Forbs										
Fruits										
Whole Plant										
Comments:	rye and tall grass	Dry Saltbrush	Dry, Flowering Plant		Dry, Flowering Plant	Dry, Flowering Plant	Dry, Flowering Plant		Yellow, Green Flowering Plant	No Green

Notes: Most rye grass had gone to seed based on the weather and time of year.

Vegetation Collection Distribution
 Dioxin-Like PCB Congener Sampling
 Kettleman Hills Facility
 Kings County, CA

Vegetation Sample Collection
 Sampling Area: SW
 Date: 3/31/2009
 Stage: G

	Increment									
	1	2	3	4	5	6	7	8	9	10
Grasses (rye)	75%	75%	40%	30%	75%	50%	75%	95%	80%	75%
Grasses	20%	20%	5%	20%	9%		10%	5%	20%	
Leaves										
Saltbrush	5%	5%	55%	50%	15%	50%	15%			25%
Seeds										
Flowers					1%					
Forbs										
Fruits										
Whole Plant										
Comments:		underbrush, grass	underbrush, grass		one small yellow flower					

Notes: Most rye grass had gone to seed based on the weather and time of year.

Vegetation Collection Distribution
 Dioxin-Like PCB Congener Sampling
 Kettleman Hills Facility
 Kings County, CA

Vegetation Sample Collection
 Sampling Area: S
 Date: 3/31/2009
 Stage: G

	Increment									
	1	2	3	4	5	6	7	8	9	10
Grasses (rye)	90%	100%	100%	90%	70%	80%	80%	90%	100%	90%
Grasses										
Leaves	10%			5%	10%	10%	10%			10%
Saltbrush										
Seeds				5%		10%	10%	10%		
Flowers					20%					
Forbs										
Fruits										
Whole Plant										
Comments:										

Notes: Most rye grass had gone to seed based on the weather and time of year.

Vegetation Collection Distribution
 Dioxin-Like PCB Congener Sampling
 Kettleman Hills Facility
 Kings County, CA

Vegetation Sample Collection
 Sampling Area: B-18
 Date: 4/1/2009
 Stage: G

	Increment									
	1	2	3	4	5	6	7	8	9	10
Grasses (rye)	40%	100%	100%	90%	80%	65%	60%		100%	90%
Grasses								70%		
Leaves	10%							15%		
Saltbrush				10%	20%	35%	40%			10%
Seeds	10%									
Flowers	10%							5%		
Forbs										
Fruits										
Whole Plant	30%							10%		
Comments:	Fresh green plants included							Long grasses, flowers, large green leaves		

Notes: Most rye grass had gone to seed based on the weather and time of year.

Vegetation Collection Distribution
 Dioxin-Like PCB Congener Sampling
 Kettleman Hills Facility
 Kings County, CA

Vegetation Sample Collection
 Sampling Area: SE
 Date: 4/1/2009
 Stage: G

	Increment									
	1	2	3	4	5	6	7	8	9	10
Grasses (rye)	55%	90%	75%	75%	100%	90%	75%	95%	85%	100%
Grasses										
Leaves	5%		15%							
Saltbrush	40%	10%	10%	25%		10%	25%	5%	15%	
Seeds										
Flowers										
Forbs										
Fruits										
Whole Plant										
Comments:			reddish purple leaves							

Notes: Most rye grass had gone to seed based on the weather and time of year.



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: NE
 Composite Name: 090330-NE-10-VG-WLB
 Composite Increment: 10
 Weather Conditions: SUNNY

Date: 3/31/09
 Time: 09:45
 Chain of Custody Number: 107208

35° 57' 52.623" N
120° 00' 15.065" W

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____ ~ 100% RYE GRASS
• grasses	_____ ✓
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

No GREEN
MOSTLY DRIED STALKS

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: NE
 Composite Name: 090331-NE-9-VG-WLB
 Composite Increment: 9
 Weather Conditions: SUNNY - light breeze

Date: 3/3/09
 Time: 1005
 Chain of Custody Number: 107208

35° 57' 57.686" N
120° 00' 15.208" W

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>	
• leaves	<u>✓</u>	
• saltbrush	<u>✓</u>	
• grasses	<u> </u>	50% rye grass
• seeds	<u> </u>	
• flowers	<u>✓</u>	(sample in bag for ID)
• forbs	<u> </u>	50% flowering plant
• fruits	<u> </u>	yellow + green
• whole plant	<u> </u>	

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-NE-8-VG-WJB
 Composite Name: NE
 Composite Increment: 8
 Weather Conditions: sunny - slight breeze (E)

Date: 3-31-09
 Time: 10:28
 Chain of Custody Number: 107208

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

35° 58' 02.882" N
120° 00' 15.308" W

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>✓</u> _____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100% rye grass

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-NE-7-VG-~~SEH~~ SEH
 Composite Name: NE
 Composite Increment: 7
 Weather Conditions: Sunny - light breeze (NE)

Date: 3-31-09
 Time: 10:48
 Chain of Custody Number: 107208

35° 58' 08.023" N

LOCATION DESCRIPTION 120° 00' 15.351" W

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ ✓
• seeds	_____ ✓
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

~~90%~~ rye grass
 95% ↑
 5% dry ~~floral~~ flowering plant

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090331-NE-6-VG-148 SEH
Date: 3-31-09
Composite Name: NE
Time: 11:05
Composite Increment: 6
Chain of Custody Number: 107208
Weather Conditions: sunny - light breeze (E)

35° 58' 13.214" N

LOCATION DESCRIPTION

120° 00' 15.332" W

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Species: Relative Quantity Collected

- leaves
saltbrush
grasses
seeds
flowers
forbs
fruits
whole plant

90% rye
10% flowering (dry)

SAMPLE PREPARATION

Container:

Preservation:

- Shipping
Packaging

Comments and Notes



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 0910331-NE-5-VG-~~107208~~SEH
 Composite Name: NE
 Composite Increment: 5
 Weather Conditions: sunny - breezy (NE) 8-10

Date: 3-31-09
 Time: 11:20
 Chain of Custody Number: 107208

35° 58' 18.539" N
120° 00' 15.390" W

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ ✓
• seeds	_____ ✓
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

90% rye grass
10% dry flowering

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-NE-4-VG-~~W~~ SEH
 Composite Name: NE
 Composite Increment: 4
 Weather Conditions: sunny - breezy (NE)

Date: 3-31-09
 Time: 11:35
 Chain of Custody Number: 107208

35° 58' 23.448" N
120° 00' 15.633" W

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ ✓ _____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100% rye grass

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-NE-3-VG-~~648~~SEH Date: 3-31-08
 Composite Name: NE Time: 11:50
 Composite Increment: 3 Chain of Custody Number: 107208
 Weather Conditions: Sunny - light breeze (NNE)

35° 58' 28.321" N
 120° 00' 15.406" W

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ ✓
• seeds	_____ ✓
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

99% rye grass (green)
 1% dry flowering plant

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes Sample taken in swale approximately 68m South
of pre-flagged area location.



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-NE-2-VG-~~48~~SEH Date: 3-31-09
 Composite Name: NE Time: 12:05
 Composite Increment: 2 Chain of Custody Number: 107208
 Weather Conditions: sunny-light breeze (NNE)

35° 58' 33.242" N
 120° 00' 15.531" W

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____ ✓
• grasses	_____ ✓
• seeds	_____ ✓
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

99% rye grass
1% dry saltbrush

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes Sample taken in swale approximate 8m south
of pre-flagged location.



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-NE-1-VG-103-SEH
 Composite Name: NE
 Composite Increment: 1
 Weather Conditions: sunny light breeze (w)

Date: 3-31-09
 Time: 12:22
 Chain of Custody Number: 107208

35° 58' 34.183" N
120° 00' 19.432" W

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ ✓ _____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

99% rye grass
1% tall grass

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-N-1-VG-SEA
 Composite Name: N
 Composite Increment: 1
 Weather Conditions: sunny-breezy (N)

Date: 3-31-09
 Time: 15:28
 Chain of Custody Number: 108097

35° 58' 38.033" N
120° 00' 23.163" W

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ ✓
• seeds	_____ ✓
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

10% oats w/ seeds
 90% brown tassel rye grass

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090.331-N-2-VG-SEH
Composite Name: N
Composite Increment: 2
Weather Conditions: sunny breezy (N/A)

Date: 3-31-09
Time: 15:45
Chain of Custody Number: 108097

35° 58' 40.302" N

LOCATION DESCRIPTION 126° 00' 25.804" W

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species and Relative Quantity Collected. Rows include leaves, saltbrush, grasses, seeds, flowers, forbs, fruits, and whole plant. Handwritten entries show 90% rye and 10% saltbrush.

SAMPLE PREPARATION

Container:

Preservation:

- Shipping
Packaging

Comments and Notes: Sample taken 15-20m in a swale.



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-N-3-VG-SEH
 Composite Name: N
 Composite Increment: 3
 Weather Conditions: sunny breezy (N)

Date: 3-31-09
 Time: 16:00
 Chain of Custody Number: 108097

35° 58' 40.353" N
120° 00' 31.875" W

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>✓</u>
• seeds	<u>✓</u>
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100% rye grass

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-N-4-VG-SFH
 Composite Name: N
 Composite Increment: 4
 Weather Conditions: sunny strong breeze (N)

Date: 3-31-09
 Time: 16:15
 Chain of Custody Number: 108097

35° 58' 40.327" N

LOCATION DESCRIPTION 120° 00' 38.161" W

- primarily grassy
- ~~scarce~~ grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>✓</u> _____
• seeds	<u>✓</u> _____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100% rye grass

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-N-5-VG-SEH
 Composite Name: N
 Composite Increment: 5
 Weather Conditions: Sunny breeze (N)

Date: 3-31-09
 Time: 16:38
 Chain of Custody Number: 108097

35° 58' 40.150" N
120° 00' 44.854" W

LOCATION DESCRIPTION

- (primarily grassy)
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100% rye w/seed
~~100% green saltbrush~~
~~50% forbs~~

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes Moved 1st sample spot (ignore 1st set of pictures)



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-N-G-VG-SE11
 Composite Name: N
 Composite Increment: 6
 Weather Conditions: sunny breeze (N)

Date: 3-31-09
 Time: 16:58
 Chain of Custody Number: 108097

35° 58' 40.127" N
120° 00' 50.980" W

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>✓</u> _____
• seeds	<u>✓</u> _____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

99% rye grass
1% dry flowering plant

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes Rinsate Blank



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-N-7-VG-SEH
 Composite Name: N
 Composite Increment: 7
 Weather Conditions: sunny strong wind (N)

Date: 3-31-09
 Time: 17:11
 Chain of Custody Number: 108097

35° 58' 40.110" N
120° 00' 57.286" W

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ ✓
• seeds	_____ ✓
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

90% partially green rye grass
10% dry bristly flowering plant

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-N-8-VG-SFH
 Composite Name: N
 Composite Increment: 8
 Weather Conditions: Sunny breeze (N)

Date: 3-31-09
 Time: 17:26
 Chain of Custody Number: 108097

35° 58' 39.844" N
 120° 01' 03.727" W

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ ✓
• seeds	_____ ✓
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100% rye grass

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-N-9-VG-SFH
 Composite Name: N
 Composite Increment: 9
 Weather Conditions: sunny breeze (N)
windy

Date: 3-31-09
 Time: 17:39
 Chain of Custody Number: 108097

35° 58' 39.802" N
120° 01' 10.032" W
~275' elevation

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>✓</u> _____
• seeds	<u>✓</u> _____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100% rye grass

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-N-10-VG-SEH
 Composite Name: N
 Composite Increment: 10
 Weather Conditions: sunny breeze (N)

Date: 3-31-09
 Time: 17:52
 Chain of Custody Number: 108097

35° 58' 39.703" N
120° 01' 16.320" W

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:

Relative Quantity Collected

- leaves _____
- saltbrush _____
- grasses ✓
- seeds ✓
- flowers _____
- forbs _____
- fruits _____
- whole plant _____

100% rye grass

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-NW-1-VG-~~SW~~WLB
 Composite Name: NW
 Composite Increment: 1
 Weather Conditions: sunny breeze (N)

Date: 4-7-09
 Time: 8:30
 Chain of Custody Number: 107206

35° 58' 39.643" N
120° 01' 22.646" W

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ ✓
• seeds	_____ ✓
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

99% ryegrass < 6"
 1% flowering plant

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090401-NW-2-VG-SH-WLB
Composite Name: NW
Composite Increment: 2
Weather Conditions: sunny windy (N)

Date: 4-1-09
Time: 8:45
Chain of Custody Number: 107206

35° 58' 39.697" N

LOCATION DESCRIPTION 120° 01' 28.997" W

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species and Relative Quantity Collected. Includes handwritten entries for green plants/leaves & stems and rye grass.

SAMPLE PREPARATION

Container:

Preservation:

- Shipping
Packaging

Comments and Notes



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090401-NW-3-VG-3# WLB
Date: 4-1-09
Composite Name: NW
Time: 9:05
Composite Increment: 3
Chain of Custody Number: 107206
Weather Conditions: sunny windy (N)

35° 58' 39.614" N
120° 01' 35.821" W

LOCATION DESCRIPTION

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species and Relative Quantity Collected. Includes handwritten entries for green rye grass and small green plant with purple flowers.

SAMPLE PREPARATION

Container:
Preservation:
Shipping
Packaging

Comments and Notes: Sample located in washout area; soil sample moved four feet away due to rattlesnake in area



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-NW-4-VG-54 WLB Date: 4-1-09
 Composite Name: NW Time: 09:25
 Composite Increment: 4 Chain of Custody Number: 107206
 Weather Conditions: Sunny windy (PJ)

35° 58' 39.694" N
120° 01' 41.569" W

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>	
• leaves	_____	
• saltbrush	_____	
• grasses	_____ <u>✓</u>	80% rye (50% short / 50 taller darker brown)
• seeds	_____ <u>✓</u>	
• flowers	_____	20% small clover green)
• forbs	_____	
• fruits	_____	
• whole plant	_____	

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090401-NW-5-VG-SH1W2B
Composite Name: NW
Composite Increment: 5
Weather Conditions: sunny windy (N)

Date: 4-1-09
Time: 9:40
Chain of Custody Number: 107206

35° 58' 39.437" N

LOCATION DESCRIPTION 120° 01' 48.352" W

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Species:

Relative Quantity Collected

- leaves
saltbrush
grasses
seeds
flowers
forbs
fruits
whole plant

95% rye
5% dry flowering plant

SAMPLE PREPARATION

Container:

Preservation:

- Shipping
Packaging

Comments and Notes CP St



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-NW-6-VG-SEA
 Composite Name: NW
 Composite Increment: 6
 Weather Conditions: sunny windy (N)

Date: 4-1-09
 Time: 9:53
 Chain of Custody Number: 107206

35° 58' 37.427" N
120° 01' 48.977" W

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ ✓
• seeds	_____ ✓
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100% rye grass

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-NW-7-VG-SEH
 Composite Name: NW
 Composite Increment: 7
 Weather Conditions: sunny very windy (N)

Date: 4-1-09
 Time: 10:08
 Chain of Custody Number: 107206

35° 58' 30.841" N
120° 01' 49.043" W

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ ✓
• seeds	_____ ✓
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100% rye grass

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes sift 65m south of pre flagged location to get
an undisturbed sampling area due to bare yard



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-NW-8-VG-SEH
 Composite Name: NW
 Composite Increment: 8
 Weather Conditions: sunny windy (N)

Date: 4-1-09
 Time: 10:25
 Chain of Custody Number: 107206

35° 58' 26.872" N
120° 01' 48.921" W

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ ✓
• seeds	_____ ✓
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100% rye grass

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes 1 1/2 ft rattlesnake



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-NW-9-VG-SEH
 Composite Name: NW
 Composite Increment: 9
 Weather Conditions: Sunny windy (N)

Date: 4-1-09
 Time: 10:40
 Chain of Custody Number: 107206

35° 58' 21.846" N

LOCATION DESCRIPTION 120° 01' 48.983" W

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____ ✓
• grasses	_____ ✓
• seeds	_____ ✓
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

80% rye grass taller 8-10"
20% salt brush dry

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-NW-10-VG-SEH
 Composite Name: NW
 Composite Increment: 10
 Weather Conditions: sunny windy (N)

Date: 4-1-09
 Time: 10:56
 Chain of Custody Number: 107206
35° 58' 16.806" N
120° 01' 49.032" W

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>✓</u>
• seeds	<u>✓</u>
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100% ryegrass

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-W-1-VG-~~WLB~~ WLB
 Composite Name: W
 Composite Increment: 1
 Weather Conditions: sunny windy (N)
very

Date: 4-1-09
 Time: 13:30
 Chain of Custody Number: 108096

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ ✓
• seeds	_____ ✓
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100% rye grass

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-W-2-VG-~~S~~HWL3 Date: 4-1-09
 Composite Name: W Time: 13:40
 Composite Increment: 2 Chain of Custody Number: 108096
 Weather Conditions: Sunny windy (N)

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>✓</u> _____
• seeds	<u>✓</u> _____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100% ye grass

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090401-W-3-V6-S14W13
Composite Name: W
Composite Increment: 3
Weather Conditions: sunny windy(N) dusty

Date: 4-1-09
Time: 13:50
Chain of Custody Number: 108090

LOCATION DESCRIPTION

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with columns: Species, Relative Quantity Collected. Includes handwritten entries for grasses and seeds, and a note '100% rye grass'.

SAMPLE PREPARATION

Container:

Preservation:

- Shipping
Packaging

Comments and Notes



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-w-4-VG-~~SEH~~WLB Date: 4-1-09
 Composite Name: w Time: 14:00
 Composite Increment: 4 Chain of Custody Number: 108096
 Weather Conditions: sunny windy (N)

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ ✓
• seeds	_____ ✓
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100% rye grass

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes sample taken in a swale.



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-W-5-VG-~~5~~ WLB
 Composite Name: W
 Composite Increment: 5
 Weather Conditions: Sunny windy (N)

Date: 4-1-09
 Time: 14:20
 Chain of Custody Number: 108096

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ ✓
• seeds	_____ ✓
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100% rye grass

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes Rinsate Blank 14:15



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-w-6-VG-~~ST~~WLB
 Composite Name: W
 Composite Increment: 6
 Weather Conditions: Sunny windy (N)

Date: 4-1-09
 Time: 14:30
 Chain of Custody Number: 108096

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ ✓
• seeds	_____ ✓
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100% rye grass

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-W-7-VG-~~WLB~~ WLB Date: 4-1-09
 Composite Name: W Time: 14:40
 Composite Increment: 7 Chain of Custody Number: 108096
 Weather Conditions: sunny windy (N)

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>✓</u> _____
• seeds	<u>✓</u> _____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100% rye grass

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-W-8-VG-~~W~~LB Date: 4-1-09
 Composite Name: W Time: 14:55
 Composite Increment: 8 Chain of Custody Number: 108096
 Weather Conditions: sunny windy (N)

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>✓</u> _____
• seeds	<u>✓</u> _____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100% rye grass

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-W-9-VG-~~WLB~~ Date: 4-1-09
 Composite Name: w Time: 15:05
 Composite Increment: 9 Chain of Custody Number: 108096
 Weather Conditions: sunny windy (N)

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ ✓
• seeds	_____ ✓
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100% rye grass

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090401-W-10-VG-~~WLB~~ WLB
Composite Name: W
Composite Increment: 10
Weather Conditions: Sunny windy (N)
Date: 4-1-09
Time: 15:20
Chain of Custody Number: 108096

LOCATION DESCRIPTION

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species, Relative Quantity Collected. Includes handwritten entries for grasses and seeds, and a note '100% rye grass'.

SAMPLE PREPARATION

Container:

Preservation:

- Shipping
Packaging

Comments and Notes



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-SW-03
 Composite Name: SW
 Composite Increment: 03
 Weather Conditions: 70°F - Clear

Date: 3/31/09
 Time: 10:20
 Chain of Custody Number: 127202

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	<u>55</u>
• saltbrush	<u>45% with underbrush (~5%)</u>
• grasses	<u>45%</u>
• seeds	<u>_____</u>
• flowers	<u>_____</u>
• forbs	<u>_____</u>
• fruits	<u>_____</u>
• whole plant	<u>_____</u>

SAMPLE PREPARATION

Container: 200 ml glass with foil covering

Preservation: N/A

- Shipping _____
- Packaging bubble wrap in cooler

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-SW-02
 Composite Name: SW
 Composite Increment: 02
 Weather Conditions: 70°F, clear

Date: 3/31/09
 Time: 10:05
 Chain of Custody Number: 10702

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>75%</u> 20% under brush
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____
brush	<u>5%</u>

SAMPLE PREPARATION

Container: clear glass with foil cover

Preservation: N/A

- Shipping _____
- Packaging _____

Comments and Notes mostly grass (eye), under brush
~ 5% brush



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 0831-SW-01-VG
 Composite Name: SW
 Composite Increment: 01
 Weather Conditions: 70°F - Clear
wind NW → SE

Date: 3/31/89
 Time: _____
 Chain of Custody Number: 107203

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>75%</u> 20% underbrush
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____
brush	<u>5%</u>

SAMPLE PREPARATION

Container: 500 mL clear glass with foil cover

Preservation: N/A (ice)

- Shipping _____
- Packaging bubble wrap

Comments and Notes primarily grass (rye), underbrush,
some brush (~5%)



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090391-SW-04
 Composite Name: CW
 Composite Increment: 04
 Weather Conditions: 70°F Clear wind

Date: 3/31/09
 Time: 10:35
 Chain of Custody Number: 107202

N to S

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	<u>50</u>
• grasses	<u>50</u> with underbrush
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: 500 ml⁺ glass covered with foil

Preservation: N/A (ice)

- Shipping _____
- Packaging _____

Comments and Notes (rye) grass, attempting to pull



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-SW-05
 Composite Name: SW
 Composite Increment: 05
 Weather Conditions: 70°F Clear
Wind N to S

Date: 3/31/09
 Time: 10:50
 Chain of Custody Number: 107202

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>85</u> (with under brush)
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____
brush	<u>15</u>

SAMPLE PREPARATION

Container: 500 ml clear glass covered with foil
 Preservation: N/A (ice)

- Shipping _____
- Packaging _____

Comments and Notes one small yellow flower



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-SW-06
 Composite Name: SW
 Composite Increment: 06
 Weather Conditions: 70°F Clear
Wind N to S

Date: 3/31/99
 Time: 11:06
 Chain of Custody Number: 107202

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>50</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____
brush	<u>50</u>

SAMPLE PREPARATION

Container: 50 mL ²⁵ clear glass covered with foil

Preservation: N/A (ice)

- Shipping _____
- Packaging bubble wrap

Comments and Notes prickly brush at site (pic)



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-SW-07
 Composite Name: SW
 Composite Increment: 07
 Weather Conditions: 72°F Clear
Wind N to S

Date: 3/31/09
 Time: 11:21
 Chain of Custody Number: 107202

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u> %
• leaves	_____
• saltbrush	_____
• grasses	<u>85</u> (w. to under brush)
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____
brush	<u>15</u>

SAMPLE PREPARATION

Container: 500 ml art glass covered with foil

Preservation: N/A (ice)

- Shipping _____
- Packaging bubble wrap

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-SW-08
 Composite Name: SW
 Composite Increment: 08
 Weather Conditions: 70-F Clear
Wind NWS

Date: 3/31/09
 Time: 11:34
 Chain of Custody Number: 107206

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>100 %</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: 500 ml clear glass covered with foil

Preservation: N/A (ice)

- Shipping _____
- Packaging bubble wrap

Comments and Notes grasses (rye) only with
corresponding underbrush
Breeze picking up



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-SW-09
 Composite Name: SW
 Composite Increment: 09
 Weather Conditions: 70°F Clear
Wind N to S

Date: 3/31/09
 Time: 11:46
 Chain of Custody Number: 107202

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>100</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: 500 ml^{ms} glass, clear covered with foil

Preservation: (ice) N/A

- Shipping _____
- Packaging bubble wrap

Comments and Notes grass with lots of underbrush



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090331-SW-10
 Composite Name: SW
 Composite Increment: 10
 Weather Conditions: 70°F Clear
Wink N-S

Date: 3/31/09
 Time: 11:56
 Chain of Custody Number: 109202

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>75%</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____
brush	<u>25%</u>

SAMPLE PREPARATION

Container: 500^{ml} clear glass covered with foil

Preservation: N/A lice

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 24880 090331-5-10 Date: 3/3/09
 Composite Name: 5 Time: 2:40 340 15:40
 Composite Increment: 10 Chain of Custody Number: _____
 Weather Conditions: 70° clear

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	<u>10%</u>
• saltbrush	_____
• grasses	<u>79%</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: _____

Preservation: ice

- Shipping _____
- Packaging _____

Comments and Notes Mostly grass / under grass



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 033109-5-9
 Composite Name: 5
 Composite Increment: 9
 Weather Conditions: Breezy, 70°

Date: 3/31/09
 Time: 15:55
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>100%</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping ice
- Packaging _____

Comments and Notes Slightly green grass with
seed tops



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 033109-5-8
 Composite Name: 5
 Composite Increment: 8
 Weather Conditions: Breeze 700

Date: 3/31/09
 Time: 16:10
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>90%</u>
• seeds	<u>10%</u>
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: _____

Preservation: Ice

- Shipping _____
- Packaging _____

Comments and Notes Seeds are pretty plants dry
14x grass



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 033109-5-7
 Composite Name: 5
 Composite Increment: 7
 Weather Conditions: Breeze 70°

Date: 3/31/09
 Time: 16:25
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	<u>10%</u>
• saltbrush	_____
• grasses	<u>80%</u>
• seeds	<u>10%</u>
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: _____

Preservation: live

- Shipping _____
- Packaging _____

Comments and Notes _____

ly/grass small plants with
seeds, curly leaves
mixed grass / soil cover



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 033109-5-6
Composite Name: 5
Composite Increment: 6
Weather Conditions: Breeze 70's

Date: 3-31-09
Time: 16:40
Chain of Custody Number:

LOCATION DESCRIPTION

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species, Relative Quantity Collected. Rows include leaves (100%), saltbrush, grasses (80%), seeds (10%), flowers, forbs, fruits, whole plant.

SAMPLE PREPARATION

Container:

Preservation: ice

- Shipping
Packaging

Comments and Notes: slight slope



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 033109-55-RJP Date: 3-31-09
 Composite Name: 5 Time: 17:00
 Composite Increment: 5 Chain of Custody Number: _____
 Weather Conditions: broazy 70s

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

*Rinsate blank
same ID*

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	<u>10%</u>
• saltbrush	_____
• grasses	<u>70%</u>
• seeds	_____
• flowers	<u>20%</u>
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes dry small flowers, dry grass
dry leaves



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 033109-5-4-NJF
 Composite Name: S
 Composite Increment: 64
 Weather Conditions: Breezy 70's

Date: 3-31-09
 Time: 17:12
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	<u>5%</u>
• saltbrush	_____
• grasses	<u>70%</u>
• seeds	<u>10 5%</u>
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: ice

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes RYEGRASS, A few dried plants



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 033109-5-3-RJR
Composite Name: S
Composite Increment: 3
Weather Conditions: Breeze Sun 70's
Date: 3-31-09
Time: 17:30
Chain of Custody Number:

LOCATION DESCRIPTION

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species, Relative Quantity Collected. Rows include leaves, saltbrush, grasses (100%), seeds, flowers, forbs, fruits, whole plant.

SAMPLE PREPARATION

Container: i.e

Preservation:

- Shipping
Packaging

Comments and Notes



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 033109-52-RJF
Composite Name: S
Composite Increment: 2
Weather Conditions: Sun 70
Date: 3-31-09
Time: 16:17:45
Chain of Custody Number:

LOCATION DESCRIPTION

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species, Relative Quantity Collected. Rows include leaves, saltbrush, grasses (100), seeds, flowers, forbs, fruits, whole plant.

SAMPLE PREPARATION

Container:

Preservation:

- Shipping
Packaging

Comments and Notes: Dry grasses only at seal



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 633109-51-RJP Date: 3-31-09
 Composite Name: S Time: 1755
 Composite Increment: 1 Chain of Custody Number: _____
 Weather Conditions: Breezy 69°

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	<u>80% dry</u>
• saltbrush	_____
• grasses	<u>90%</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: ICE

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes Ryegrass / dried stems with leaves



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 90401-B18-01
 Composite Name: B-18
 Composite Increment: 01
 Weather Conditions: 65 F Clear
stiff / Light Breeze NW to SE

Date: 4/1/99
 Time: 8:28
 Chain of Custody Number: 108099

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	<u>✓ 10</u>
• saltbrush	<u>_____</u>
• grasses	<u>✓ 40</u>
• seeds	<u>✓ 10</u>
• flowers	<u>✓ 10</u>
• forbs	<u>_____</u>
• fruits	<u>_____</u>
• whole plant	<u>✓ 30</u>

SAMPLE PREPARATION

Container: 500 ml^{vs} clear glass covered with foil

Preservation: N/A (ice)

- Shipping _____
- Packaging _____

Comments and Notes Vegetation taken from edge to capture
fresh, green plants.



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 070421-B18-02
 Composite Name: B18
 Composite Increment: 02
 Weather Conditions: 65°F Clear
Stiff Breeze NW → SE

Date: 4/1/09
 Time: 8:55
 Chain of Custody Number: 108099

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>✓</u> _____
• seeds	<u>✓</u> _____ <u>100</u>
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: 500^{ml} clear glass covered with foil

Preservation: N/A (uc)

- Shipping _____
- Packaging _____

Comments and Notes Rye gone to seed



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-P-18-05
 Composite Name: B18
 Composite Increment: 03
 Weather Conditions: 6.5" Clear
Windy NW +/- SE

Date: 4/1/08
 Time: 9:10
 Chain of Custody Number: 108098

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>✓</u> _____
• seeds	<u>✓</u> _____ <u>100</u>
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: 500 ml[~] clear glass covered with foil
 Preservation: N/A (ice)

- Shipping _____
- Packaging _____

Comments and Notes Bye gone to seed



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-B10-04
 Composite Name: B10
 Composite Increment: 04
 Weather Conditions: 65°F clear
Wind NW to SE

Date: 4/1/09
 Time: 9:21
 Chain of Custody Number: 108099

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• <u>grasses</u>	<u>✓ 90</u>
• <u>seeds</u>	<u>✓</u>
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____
<u>brush</u>	<u>10</u>

SAMPLE PREPARATION

Container: 500^{ml} clear glass covered with foil

Preservation: N/A (ice)

- Shipping _____
- Packaging _____

Comments and Notes drainage pathway, site gone to
seed



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-RIE-25
 Composite Name: R18
 Composite Increment: 05
 Weather Conditions: GS F Clear
Windy NW to SE

Date: 4/1/09
 Time: 9:33
 Chain of Custody Number: 108099

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• <u>grasses</u>	<u>✓ 80</u>
• <u>seeds</u>	<u>✓</u>
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____
<u>brush</u>	<u>✓ 20</u>

SAMPLE PREPARATION

Container: 500^{ml} - clear glass covered with foil

Preservation: 10/4 (ice)

- Shipping _____
- Packaging _____

Comments and Notes Rye gone to seed and taller grass
type grass split 50/50



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: C90401-BIT-06
Composite Name: BIG
Composite Increment: 06
Weather Conditions: 65°F clear
windy NW to SE

Date: 4/1/09
Time: 9:52
Chain of Custody Number: 108099

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• <u>grasses</u>	<u>✓</u> _____
• <u>seeds</u>	<u>✓</u> _____ <u>65</u>
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____
<u>brush</u>	<u>35</u>

SAMPLE PREPARATION

Container: clear glass covered with foil

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes 1 eye gone to seed
two types of grass, brush



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-B18-07
 Composite Name: B18
 Composite Increment: 07
 Weather Conditions: 65° Clear
Windy NW to SE

Date: 4/1/09
 Time: 10:12
 Chain of Custody Number: 108099

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>✓</u> _____
• seeds	<u>✓</u> <u>60</u>
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____
	<u>brush 40</u>

SAMPLE PREPARATION

Container: 500 mL clear glass covered with foil

Preservation: N/A (ice)

- Shipping _____
- Packaging _____

Comments and Notes fly gone to seed



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090401-1318-05
Composite Name: B18
Composite Increment: 08
Weather Conditions: 70 Clear
Strong Wind NW to SE

Date: 4/1/09
Time: 10:30
Chain of Custody Number: 108092

LOCATION DESCRIPTION

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species, Relative Quantity Collected. Rows include leaves, saltbrush, grasses, seeds, flowers, forbs, fruits, whole plant with handwritten checkmarks and numbers.

SAMPLE PREPARATION

Container: clear glass covered with foil

Preservation: N/A (ice)

- Shipping
Packaging

Comments and Notes: Long grasses, flowers, large green leaves



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-B17-09
 Composite Name: B17
 Composite Increment: 09
 Weather Conditions: FV, Clear
Breezy NW to SE

Date: 4/1/09
 Time: 10:43
 Chain of Custody Number: 108099

LOCATION DESCRIPTION

- ~~primarily grassy~~
- ~~scaree grass~~
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>100</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass covered with foil

Preservation: n/a (live)

- Shipping _____
- Packaging _____

Comments and Notes live gone to seed



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 050401-B18-10
 Composite Name: B18
 Composite Increment: 10
 Weather Conditions: 70 Clear
STIFF Breeze NW to SE

Date: 4/1/04
 Time: 11:00
 Chain of Custody Number: 108099

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>✓</u> 90
• seeds	<u>✓</u> _____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____
<u>brush</u>	<u>10</u>

SAMPLE PREPARATION

Container: clear glass covered with foil
 Preservation: N/A lite

- Shipping _____
- Packaging _____

Comments and Notes 1/2 gone to seed



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 040411 - SE 10
Composite Name: SE
Composite Increment: 10
Weather Conditions: 75 clear
Strong Wind NWS

Date: 4/1/09
Time: 1:45
Chain of Custody Number: 127200

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	Relative Quantity Collected
• leaves	_____
• saltbrush	_____
• grasses	<u>✓</u>
• seeds	<u>✓</u>
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass covered with foil
Preservation: n/a (ie)

- Shipping _____
- Packaging _____

Comments and Notes eye gone to seed



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 091401-SE-09-2
 Composite Name: SE
 Composite Increment: 09
 Weather Conditions: 75 clear
Strong Wind N 4 S

Date: 4/1/09
 Time: 13:58
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>✓ 85%</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____
brush	<u>15%</u>

SAMPLE PREPARATION

Container: clear glass w/ foil

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes eye gone to seed



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 000402-SE-08
 Composite Name: SE
 Composite Increment: 08
 Weather Conditions: 75 Sunny
Strong Wind N-S

Date: 4/1/09
 Time: 14:05
 Chain of Custody Number: 107200

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>✓</u> _____ <u>45</u>
• seeds	<u>✓</u> _____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____
<u>brush</u>	<u>5</u> _____

SAMPLE PREPARATION

Container: clear glass with foil covering

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes eye gone to seed



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 040901-SE-07
 Composite Name: SE
 Composite Increment: 07
 Weather Conditions: F5 Clear
Wind NW to SE

Date: 4/1/08
 Time: 1420
 Chain of Custody Number: 107200

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>✓</u> 75
• seeds	<u>✓</u>
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	<u>✓</u> 25
brush	

SAMPLE PREPARATION

Container: clean glass covered with foil

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes eye gone to seed



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 0402101 - SE-06
 Composite Name: SE
 Composite Increment: 126
 Weather Conditions: 75 Clear
Strong Wind NW → SE

Date: 4/1/09
 Time: 1430
 Chain of Custody Number: 107200

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ ✓ 90
• seeds	_____ ✓
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____
<u>brush</u>	_____ 10

SAMPLE PREPARATION

Container: clear glass with foil covering

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes eye gone to seed



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 0904.21-SE-05
 Composite Name: SE
 Composite Increment: 05
 Weather Conditions: 75 clear
Wind NW to SE

Date: 4/1/09
 Time: 4/1/09 14:45
 Chain of Custody Number: 107200

LOCATION DESCRIPTION

- primarily grassy
- ~~scarce grass~~
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>✓</u> 100
• seeds	<u>✓</u> _____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass covered in foil

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes rye gone to seed



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401 - SE 04 -
 Composite Name: SE
 Composite Increment: 04
 Weather Conditions: 75 Clear
Wind NW to SE

Date: 4/1/09
 Time: 15:00
 Chain of Custody Number: 107200

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>✓</u> _____ <u>75</u>
• seeds	<u>✓</u> _____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____
<u>brush</u>	<u>25</u>

SAMPLE PREPARATION

Container: clear glass w/ foil

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes rye with seeds gone to seed



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-SE-03
 Composite Name: SE
 Composite Increment: 03
 Weather Conditions: 75 Clear

Date: 4/1/08
 Time: 1515
 Chain of Custody Number: 197200

Strong Wind NW to SE

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	<u>✓ 15</u>
• saltbrush	<u>_____</u>
• grasses	<u>✓ 75</u>
• seeds	<u>✓ _____</u>
• flowers	<u>_____</u>
• forbs	<u>_____</u>
• fruits	<u>_____</u>
• whole plant	<u>_____</u>
brush	<u>10</u>

SAMPLE PREPARATION

Container: clear glass covered in foil

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes rye gone to seed
reddish-purple plants



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 890401-SE-02
 Composite Name: SE
 Composite Increment: 02
 Weather Conditions: Clear 75
Windy NW to SE

Date: 4/1/09
 Time: 1522
 Chain of Custody Number: 607200

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>✓ 90</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____
<u>brush</u>	<u>10</u>

SAMPLE PREPARATION

Container: clear glass w/ foil

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes eye gone to seed



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090401-SE-01
 Composite Name: SE
 Composite Increment: 01
 Weather Conditions: 75 Sunny

Date: 4/1/09
 Time: 15:33
 Chain of Custody Number: 107200

LOCATION DESCRIPTION

- ~~primarily grassy~~
- scarce grass
- ~~brush/scrubs~~

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	<u>✓ 5</u>
• saltbrush	<u>_____</u>
• grasses	<u>✓ 55</u>
• seeds	<u>_____</u>
• flowers	<u>_____</u>
• forbs	<u>_____</u>
• fruits	<u>_____</u>
• whole plant	<u>_____</u>
<u>brush</u>	<u>40</u>

SAMPLE PREPARATION

Container: clear glass w/ foil

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes eye and others

SOKKIA

ENGINEER'S
FIELD BOOK

Kothlemann Hills

0742-816

SOLA

No. 8152-30

8/3/09 KHF
PCB Congener Study
Dry Vegetation

0630 D. Saka
S. Holscher
R. Fadden

Vegetation Dry Stage
Sampling

NW
N

NE Sampled

1200 M. Shoemaker
K. Bayler
arrive

W Area Samples

Dry conditions
Dusty

14:10 All samples have had
sufficient vegetation in
original sample m²

15:20 SW-S

Area extended 0.25 m
in all directions
to collect sufficient
vegetation

8/4/09 KMF
PCB Conger
Dry Vegetation

0630 K. Boyler
S. Malinsunder
D. Solo
M. Shunder

arrive onsite
begin sampling S-10

S-10
Extended sampling
area ~ 0.5 m in all
directions to collect sufficient
mass

S-07,
2 root/snake on spread

S-2 extended in all
directions
very sparse vegetation

8/4/09

B-18-01

edges disturbed
flora gone/
knives picked up

10:30 Lunch

11:15 begin sampling
SE

SE-09 Covered by
Tumbleweeds

Tumbleweeds moved and
flag replaced
sample collected

SE-08
pincate blank
collected
11:50

8/4/89

12:40 Samples Collected
from all locations

All sample jars wrapped in
foam and shipped on ice

Vegetation Collection Distribution
 WHO PCB Congener Sampling
 Kettlemand Hills Facility
 Kings County, CA

Vegetation Sample Collection
 Sampling Area: All
 Date: 8/3/09 to 8/4/09
 Stage: Dry

Composite									
	W	NW	N	NE	SW	S	B-18	SE	Summary
Grasses (rye)	100%	87%	99%	87%	84%	100%	88%	90%	92%
Grasses	0%	0%	0%	0%	0%	0%	0%	0%	0%
Leaves	0%	0%	0%	0%	0%	0%	1%	0%	0%
Saltbrush	0%	7%	1%	8%	17%	0%	12%	11%	7%
Seeds	0%	0%	0%	0%	0%	0%	0%	0%	0%
Flowers	0%	6%	0%	5%	0%	0%	0%	0%	0.01
Forbs	0%	0%	0%	0%	0%	0%	0%	0%	0%
Fruits	0%	0%	0%	0%	0%	0%	0%	0%	0%
Whole Plant	0%	0%	0%	0%	0%	0%	0%	0%	0%

Vegetation Collection Distribution
 WHO PCB Congener Sampling
 Kettlemand Hills Facility
 Kings County, CA

Vegetation Sample Collection
 Sampling Area: W
 Date: 8/3/2009
 Stage: Dry

	Increment									
	1	2	3	4	5	6	7	8	9	10
Grasses (rye)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Grasses										
Leaves										
Saltbrush										
Seeds										
Flowers										
Forbs										
Fruits										
Whole Plant										
Comments:										

Vegetation Collection Distribution
 WHO PCB Congener Sampling
 Kettlemand Hills Facility
 Kings County, CA

Vegetation Sample Collection
 Sampling Area: NW
 Date: 8/3/2009
 Stage: Dry

	Increment									
	1	2	3	4	5	6	7	8	9	10
Grasses (rye)	99%	50%	50%	99%	95%	100%	100%	100%	80%	100%
Grasses										
Leaves										
Saltbrush		50%							20%	
Seeds										
Flowers	1%		50%	1%	5%					
Forbs										
Fruits										
Whole Plant										
Comments:		brush still green								

Vegetation Collection Distribution
 WHO PCB Congener Sampling
 Kettlemand Hills Facility
 Kings County, CA

Vegetation Sample Collection
 Sampling Area: N
 Date: 8/3/2009
 Stage: Dry

	Increment									
	1	2	3	4	5	6	7	8	9	10
Grasses (rye)	100%	90%	100%	100%	100%	99%	99%	100%	100%	100%
Grasses										
Leaves										
Saltbrush		10%								
Seeds										
Flowers						1%	1%			
Forbs										
Fruits										
Whole Plant										
Comments:										

Vegetation Collection Distribution
 WHO PCB Congener Sampling
 Kettlemand Hills Facility
 Kings County, CA

Vegetation Sample Collection
 Sampling Area: NE
 Date: 8/3/2009
 Stage: Dry

	Increment									
	1	2	3	4	5	6	7	8	9	10
Grasses (rye)	99%	99%	99%	100%	90%	90%	95%	100%		100%
Grasses	1%									
Leaves										
Saltbrush									80%	
Seeds										
Flowers		1%	1%		10%	10%	5%		20%	
Forbs										
Fruits										
Whole Plant										
Comments:										

Vegetation Collection Distribution
 WHO PCB Congener Sampling
 Kettlemand Hills Facility
 Kings County, CA

Vegetation Sample Collection
 Sampling Area: SW
 Date: 8/3/2009
 Stage: Dry

	Increment									
	1	2	3	4	5	6	7	8	9	10
Grasses (rye)	100%	100%	60%	65%	80%	60%	80%	100%	100%	90%
Grasses										
Leaves										
Saltbrush			40%	35%	20%	40%	20%			10%
Seeds										
Flowers										
Forbs										
Fruits										
Whole Plant										
Comments:										

Vegetation Collection Distribution
 WHO PCB Congener Sampling
 Kettlemand Hills Facility
 Kings County, CA

Vegetation Sample Collection
 Sampling Area: S
 Date: 8/4/2009
 Stage: Dry

	Increment									
	1	2	3	4	5	6	7	8	9	10
Grasses (rye)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Grasses										
Leaves										
Saltbrush										
Seeds										
Flowers										
Forbs										
Fruits										
Whole Plant										
Comments:								limited seeds with grass		

Vegetation Collection Distribution
 WHO PCB Congener Sampling
 Kettlemand Hills Facility
 Kings County, CA

Vegetation Sample Collection
 Sampling Area: B-18
 Date: 8/4/2009
 Stage: Dry

	Increment									
	1	2	3	4	5	6	7	8	9	10
Grasses (rye)	60%	100%	100%	100%	80%	65%	90%	85%	100%	100%
Grasses										
Leaves	5%									
Saltbrush	35%				20%	35%	10%	15%		
Seeds										
Flowers										
Forbs										
Fruits										
Whole Plant										
Comments:	no flowers or whole plants available, leaves small dry and shriveled							leaves of plant appeared to be ragweed		

Vegetation Collection Distribution
 WHO PCB Congener Sampling
 Kettlemand Hills Facility
 Kings County, CA

Vegetation Sample Collection
 Sampling Area: SE
 Date: 8/4/2009
 Stage: Dry

	Increment									
	1	2	3	4	5	6	7	8	9	10
Grasses (rye)	60%	90%	80%	100%	100%	90%	80%	100%	95%	100%
Grasses										
Leaves										
Saltbrush	40%	10%	20%			10%	20%		5%	
Seeds										
Flowers										
Forbs										
Fruits										
Whole Plant										
Comments:	woody tips, leaves and plants gone	very dry brush and grass	small leaves with dry underbrush			brush was woody tips				

Notes:

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes No

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client Chemical Waste Management, Inc.		Project Manager Paul Turak		Date 8/4/09	Chain of Custody Number 109546
Address 35251 Old Skyline Rd.		Telephone Number (Area Code)/Fax Number (559) 386-6151		Lab Number	Page 1 of 1
City Kettleman City	State CA	Zip Code 93239	Site Contact Steve Holshauer	Lab Contact Karen Dahl	

Project Name and Location (State)
KHF

Carrier/Waybill Number

Analysis (Attach list if more space is needed)

Contract/Purchase Order/Quote No.
0742-816-02

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives						Special Instructions/ Conditions of Receipt					
			Air	Aqueous	Sed.	Soil	Ice	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc2/NaOH						
090804-B18-1-VP-SEH	8/4/09	946					X												
090804-B18-2-VP-SEH		941					X												
090804-B18-3-VP-SEH		936					X												
090804-B18-4-VP-SEH		933					X												
090804-B18-5-VP-SEH		926					X												
090804-B18-6-VP-SEH		922					X												
090804-B18-7-VP-SEH		917					X												
090804-B18-8-VP-SEH		911					X												
090804-B18-9-VP-SEH		901					X												
090804-B18-10-VP-SEH		857					X												

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal
 Return To Client Disposal By Lab Archive For **12** Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
 24 Hours 48 Hours 7 Days 14 Days 21 Days Other **STD**

QC Requirements (Specify)

1. Relinquished By Steve Holshauer	Date 08/04/09	Time 1700	1. Received By	Date	Time
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments
*** 12 WHO PCB Congeners, Composite samples listed on this sheet for 1 analysis**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090804-B18-01
 Composite Name: B18
 Composite Increment: 01
 Weather Conditions: 82°F Clear
Cal

Date: 8/4/09
 Time: 0946
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

<u>Species:</u>	<u>Relative Quantity Collected</u>
• leaves	_____ <u>5%</u>
• <u>saltbrush</u>	_____ <u>35% brush</u>
• grasses	_____ <u>60%</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

8/4/09
B-18

SAMPLE PREPARATION

Container: _____

Preservation: _____

- Shipping _____
- Packaging _____

Comments and Notes Dry, edges slightly disturbed
Saltbrush dry, small flowers not present,
leaves small, shriveled, and dry
brush/scrubs woody tips



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090804-1318-02
Composite Name: B/S
Composite Increment: 02
Weather Conditions: 82°F Clear

Date: 8/19/09
Time: 0941
Chain of Custody Number: _____

Cal
light breeze NW → SE

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>100% grass</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 90824-B18-03
 Composite Name: B18
 Composite Increment: 03
 Weather Conditions: 83°F Clear
Calm

Date: 8/4/09
 Time: 0936
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>100% rye</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090804-B18-04
 Composite Name: B18
 Composite Increment: 04
 Weather Conditions: 82°F Clear
Calm

Date: 8/4/09
 Time: 0933
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>100% ve</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 010804-B19-05
 Composite Name: B18
 Composite Increment: 05
 Weather Conditions: 82F clear

Date: 8/4/09
 Time: 9:26
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____ 20% to 40%
• saltbrush	_____
• grasses	_____ 80% to 90%
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes Brush Dry and tips of stems



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090804-B18-d6
 Composite Name: B18
 Composite Increment: 06
 Weather Conditions: 82F Clear
Calm, light breeze SW-NW

Date: 8/4/09
 Time: 0922
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- ~~primarily grassy~~
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____ 35% brush
• saltbrush	_____
• grasses	_____ 65%
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes Brush dry, lots of stem tips



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 020804-B18-07
 Composite Name: B18
 Composite Increment: 07
 Weather Conditions: 02°F Clear
Cal m

Date: 5/4/07
 Time: 0917
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____ 10% under brush/brush
• saltbrush	_____
• grasses	<u>40% M/C</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes brush/underbrush dry and stems



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090804-B18-08
 Composite Name: B18
 Composite Increment: 08
 Weather Conditions: 8:15 clear
cdm

Date: 8/4/09
 Time: 0911
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrub

SAMPLE TYPE

<u>Species:</u>	<u>Relative Quantity Collected</u>
• <u>leaves</u>	<u>15% plant</u>
• saltbrush	_____
• <u>grasses</u>	<u>85%</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes brush is primarily stems
small plants with green leaves (ragweed)



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 290804-1318-09
 Composite Name: B18
 Composite Increment: 09
 Weather Conditions: 80% Clear
Cal

Date: 8/4/09
 Time: 0901
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ <u>100% of veg</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

• Shipping _____

• Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090804-318-10
 Composite Name: B18
 Composite Increment: 10
 Weather Conditions: Clear 80°F
Calm

Date: 8/4/09
 Time: 0857
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>100% rye</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes SE flag missing, replaced

Chain of Custody Record

Temperature on Receipt _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Drinking Water? Yes No

Client Chemical Waste Management, Inc.		Project Manager Paul Turek		Date 8/3/09	Chain of Custody Number 107209
Address 35251 Old Skyline Road		Telephone Number (Area Code)/Fax Number (559) 386-6151		Lab Number	
City Kettleman City	State CA	Zip Code 93239	Site Contact Steve Holshouser	Lab Contact Karen Dahl	Page 1 of 1
Project Name and Location (State) KHF			Carrier/Waybill Number		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives							Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Sed.	Soil	W	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Ice			
090803-N-1-VD-SEH	8/3/09	903					X									X	
090803-N-2-VD-SEH		913					X									X	
090803-N-3-VD-SEH		921					X									X	
090803-N-4-VD-SEH		930					X									X	
090803-N-5-VD-SEH		936					X									X	
090803-N-6-VD-SEH		944					X									X	
090803-N-7-VD-SEH		950					X									X	
090803-N-8-VD-SEH		957					X									X	
090803-N-9-VD-SEH		1004					X									X	
090803-N-10-VD-SEH		1010					X									X	

Possible Hazard Identification	Sample Disposal
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Archive For <u>12</u> Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required	QC Requirements (Specify)
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input checked="" type="checkbox"/> Other <u>STD</u>	
1. Relinquished By <u>SE E Han</u>	1. Received By
Date <u>08/04/09</u> Time <u>1700</u>	Date _____ Time _____
2. Relinquished By	2. Received By
Date _____ Time _____	Date _____ Time _____
3. Relinquished By	3. Received By
Date _____ Time _____	Date _____ Time _____

Comments: ***12 WHO PCB Congeners Composite samples on this sheet for 1 analysis**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 070803-N-1-005
 Composite Name: N
 Composite Increment: 1
 Weather Conditions: SUN 75

Date: 08 03 09
 Time: 903
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

9 GRASSES

SAMPLE PREPARATION

Container: _____

Preservation: _____

• Shipping _____

• Packaging _____

Comments and Notes Flags OK





PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090803-N-2-VD-DVS
Composite Name: N
Composite Increment: 2
Weather Conditions: Sun 75
Date: 8-3-09
Time: 9:13
Chain of Custody Number:

LOCATION DESCRIPTION

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species and Relative Quantity Collected. Rows include leaves, saltbrush, grasses, seeds, flowers, forbs, fruits, and whole plant. Handwritten values: 90 for grasses, 10 for saltbrush.

SAMPLE PREPARATION

- Container:
Preservation:
Shipping
Packaging

Comments and Notes: Flags OK



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090803-N-3-VD DUS
Composite Name: N
Composite Increment: 3
Weather Conditions: SUN 80
Date: 8-3-09
Time: 9:21
Chain of Custody Number:

LOCATION DESCRIPTION

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species and Relative Quantity Collected. Species include leaves, saltbrush, grasses, seeds, flowers, forbs, fruits, whole plant. Relative quantity for grasses is 100% Rye.

SAMPLE PREPARATION

Container:
Preservation:
Shipping
Packaging

Comments and Notes: Plants OK



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090803-N-4-VD-005 Date: 8-3-09
 Composite Name: N Time: 930
 Composite Increment: 4 Chain of Custody Number: _____
 Weather Conditions: sun 80

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• <u>grasses</u>	_____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

Rye

SAMPLE PREPARATION

Container: _____

Preservation: _____

• Shipping _____

• Packaging _____

Comments and Notes Flags OK



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090803-N-5-VQ DUS
Composite Name: N
Composite Increment: 5
Weather Conditions: Sun 80 sl. breeze
Date: 8-3-07
Time: 936
Chain of Custody Number:

LOCATION DESCRIPTION

- primarily grassy
scaree grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species, Relative Quantity Collected. Includes rows for leaves, saltbrush, grasses (checked), seeds, flowers, forbs, fruits, whole plant. Handwritten 'Rye' next to the checked grasses row.

SAMPLE PREPARATION

Container:

Preservation:

- Shipping
Packaging

Comments and Notes: Flags OK



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090803-N-6-VD005 Date: 8-3-09
 Composite Name: N5 Time: 7:44
 Composite Increment: 6 Chain of Custody Number: _____
 Weather Conditions: Sun 90

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

Rye
Trace dry flowers

SAMPLE PREPARATION

Container: _____

Preservation: _____

• Shipping _____

• Packaging _____

Comments and Notes Flags OK



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090803-N-7-VD-015 Date: 8/03/09
 Composite Name: N Time: 9:50
 Composite Increment: 7 Chain of Custody Number: _____
 Weather Conditions: Sun 80's

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

dry eye
trace flowers

SAMPLE PREPARATION

Container: _____

Preservation: _____

• Shipping _____

• Packaging _____

Comments and Notes Flags ok - lettering gone



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090803-N 8-10-DVS
Composite Name: N
Composite Increment: P
Weather Conditions: Sun 80

Date: 8-3-09
Time: 9:57
Chain of Custody Number:

LOCATION DESCRIPTION

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species, Relative Quantity Collected. Includes handwritten entry '100% Rye'.

SAMPLE PREPARATION

- Container:
Preservation:
Shipping
Packaging

Comments and Notes: Flaps OK



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090803-N9-VD-QVS
Composite Name: N
Composite Increment: 9
Weather Conditions: Sun 80

Date: 8-3-09
Time: 10:04
Chain of Custody Number:

LOCATION DESCRIPTION

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species and Relative Quantity Collected. Rows include leaves, saltbrush, grasses, seeds, flowers, forbs, fruits, and whole plant. Handwritten '100 142' is next to the seeds row.

SAMPLE PREPARATION

Container:

Preservation:

Shipping

Packaging

Comments and Notes: Flags ok



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090803-N10-VD-005
 Composite Name: N
 Composite Increment: 10
 Weather Conditions: 54°F 80's

Date: 8-3-09
 Time: 10:10
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• <u>grasses</u>	_____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100 142

SAMPLE PREPARATION

Container: _____

Preservation: _____

- Shipping _____
- Packaging _____

Comments and Notes Flag ok

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes No

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client Chemical Waste Management Inc		Project Manager Paul Turek		Date 8/3/09	Chain of Custody Number 109534
Address 35251 Old Skyline Rd		Telephone Number (Area Code)/Fax Number (539) 386-6151		Lab Number	Page 1 of 1
City Kettleman City	State CA	Zip Code 93239	Site Contact Steve Holshouer	Lab Contact Karen Dahl	Analysis (Attach list if more space is needed)
Project Name and Location (State) KHF			Carrier/Waybill Number		

Contract/Purchase Order/Quote No. 0742-816-02	Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives										Special Instructions/ Conditions of Receipt	
				Air	Aqueous	Sed.	Soil	VEG	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Ke	1600a				
	090803-NE-1-VD-SEH	8/3/09	855					X										X	X	
	090803-NE-2-VD-SEH		848					X										X		
	090803-NE-3-VD-SEH		842					X										X		
	090803-NE-4-VD-SEH		835					X										X		
	090803-NE-5-VD-SEH		828					X										X		
	090803-NE-6-VD-SEH		820					X										X		
	090803-NE-7-VD-SEH		815					X										X		
	090803-NE-8-VD-SEH		810					X										X		
	090803-NE-9-VD-SEH		755					X										X		
	090803-NE-10-VD-SEH		805					X										X		

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal: Return To Client Disposal By Lab Archive For 12 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other STD

QC Requirements (Specify)

1. Relinquished By Steve Holshouer	Date 08/04/09	Time 1700	1. Received By	Date	Time
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments * **12 WHO PCB Congeners Composite samples listed on this sheet for 1 analysis**



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090903 NE 1
Composite Name: NE
Composite Increment: 1
Weather Conditions: Sun 75

Date: 080309
Time: 855
Chain of Custody Number:

LOCATION DESCRIPTION

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species and Relative Quantity Collected. Includes handwritten entries for Rye grass and trace tall grass.

SAMPLE PREPARATION

Container:
Preservation:
Shipping
Packaging

Comments and Notes: Flags





PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification:
Composite Name: NE
Composite Increment: 2
Weather Conditions: Sun 75

Date: 8-7-09
Time: 8:48
Chain of Custody Number:

090803-NE 2-DUS

LOCATION DESCRIPTION

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species and Relative Quantity Collected. Species list includes leaves, saltbrush, grasses, seeds, flowers, forbs, fruits, whole plant.

Rye
Trace Fibers

SAMPLE PREPARATION

Container:

Preservation:

- Shipping
Packaging

Comments and Notes: Flags ok



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 292803 N1B3-VD-0V5 Date: 8-3-09
 Composite Name: NE Time: 842
 Composite Increment: 3 Chain of Custody Number: _____
 Weather Conditions: SUN 75

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

Rye grass
7 rare dried flowers

SAMPLE PREPARATION

- Container: _____
- Preservation:
- Shipping _____
 - Packaging _____

Comments and Notes Flags OK



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090803-NR-4-VD-NUS Date: 8-3-07
 Composite Name: NR Time: 8:35
 Composite Increment: 4 Chain of Custody Number: _____
 Weather Conditions: sun 75

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100 R-1E

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes Flags OK



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090903 NLS-5-VD DUS Date: 8-07-09
 Composite Name: NE Time: 8:28
 Composite Increment: 5 Chain of Custody Number: _____
 Weather Conditions: SUN 75°

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	<u>X</u>
• grasses	_____
• seeds	_____
• flowers	<u>X</u>
• forbs	_____
• fruits	_____
• whole plant	_____

190 RYE
10 dried flower

SAMPLE PREPARATION

Container: _____

Preservation: _____

- Shipping _____
- Packaging _____

Comments and Notes Fire break window covered about
7/2/02 zone with soil collected sample
from west half of square



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 070803-NE-VD-DUS Date: 8-3-09
 Composite Name: NE Time: 8:20
 Composite Increment: 6 Chain of Custody Number: _____
 Weather Conditions: Sun 75

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	<u>✓</u> _____
• grasses	_____
• seeds	_____
• flowers	<u>✓</u> _____
• forbs	_____
• fruits	_____
• whole plant	_____

90 Eye
10 Flower-dried

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes Flags OK



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090802-NE-7 VLS-AUS Date: 8-3-09
 Composite Name: NE Time: 8:15
 Composite Increment: 7 Chain of Custody Number: _____
 Weather Conditions: Sun 75

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<input checked="" type="checkbox"/> _____ 95% NE
• seeds	_____
• flowers	<input checked="" type="checkbox"/> _____ 5% dried flowering plant
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: _____

Preservation: _____

- Shipping _____
- Packaging _____

Comments and Notes Flies OK



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090803 NE 8 UD DVS Date: 8-3-09
 Composite Name: NE Time: 8:10
 Composite Increment: 8 Chain of Custody Number: _____
 Weather Conditions: Sun 70's

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<input checked="" type="checkbox"/> _____ 100% RYE
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

- Container: _____
- Preservation:
- Shipping _____
 - Packaging _____

Comments and Notes Flags ok



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: NE
 Composite Name: 090803-NE9-WD-DUS
 Composite Increment: 9
 Weather Conditions: _____

Date: 8-3-09
 Time: 7:55
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

flowering plant gone/dried up

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>80%</u> salt brush
• seeds	_____
• flowers	<u>20%</u> dried Flowering
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: _____

Preservation: _____

- Shipping _____
- Packaging _____

Comments and Notes Flags OK



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: NR
 Composite Name: 090803 NB-10-VD-05
 Composite Increment: _____
 Weather Conditions: _____

Date: 8-3-09
 Time: 8:05
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• <u>grasses</u>	<u>100% RYE</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes Flags OK

Chain of Custody Record

Temperature on Receipt _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Drinking Water? Yes No

TAL-4124 (1007)

Client Chemical Waste Management, Inc.		Project Manager Paul Turak		Date 8/3/09	Chain of Custody Number 109535
Address 35251 Old Skyline Rd.		Telephone Number (Area Code)/Fax Number (559) 386-6151		Lab Number	
City Kettleman City	State CA	Zip Code 93239	Site Contact Steve Holschauer	Lab Contact Karen Dahl	Page 1 of 1

Project Name and Location (State) KHF		Carrier/Waybill Number		Analysis (Attach list if more space is needed)	
---	--	------------------------	--	--	--

Contract/Purchase Order/Quote No. **0742-866-02**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives							Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Sed.	Soil	VEG	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Ice			
090803-NW-1-VD-SEH	8/3/09	1125					X								X	X	# 1668a
090803-NW-2-VD-SEH		1131					X								X		
090803-NW-3-VD-SEH		1143					X								X		
090803-NW-4-VD-SEH		1152					X								X		
090803-NW-5-VD-SEH		1159					X								X		
090803-NW-6-VD-SEH		1208					X								X		
090803-NW-7-VD-SEH		1217					X								X		
090803-NW-8-VD-SEH		1222					X								X		
090803-NW-9-VD-SEH		1230					X								X		
090803-NW-10-VD-SEH		1237					X								X		

Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown	Sample Disposal <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Archive For <u>12</u> Months	(A fee may be assessed if samples are retained longer than 1 month)
---	--	---

Turn Around Time Required <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input checked="" type="checkbox"/> Other <u>STD</u>	QC Requirements (Specify)
---	---------------------------

1. Relinquished By See Her	Date 8/10/09	Time 1700	1. Received By	Date	Time
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: *** 12 WHO PCB Congeners, Composite listed samples on this chain for 1 analysis**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - stays with the Sample; PINK - Field Copy



PLANT TISSUE SAMPLING DATA SHEET
 PCB Congener Study
 Kettleman Hills Facility (KHF)
 Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090803-NW-1-VID-DUS Date: 8-3-09
 Composite Name: NW Time: 1125
 Composite Increment: 1 Chain of Custody Number: _____
 Weather Conditions: sun 80's

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	Relative Quantity Collected
• leaves	_____
• saltbrush	_____
• grasses	_____ Rye
• seeds	_____ Trace dry flowers
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

- Container: _____
- Preservation:
- Shipping _____
 - Packaging _____

Comments and Notes Flags OK





PLANT TISSUE SAMPLING DATA SHEET
 PCB Congener Study
 Kettleman Hills Facility (KHF)
 Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090803-NW-2-UD-DUS Date: 8-3-09
 Composite Name: NW2 Time: 11:31
 Composite Increment: 2 Chain of Custody Number: _____
 Weather Conditions: Sun 80's

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ so lye grass
• seeds	_____
• flowers	_____ so brush - still green
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes Flags OK



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 070803-NW-3-VD DVS Date: 8-3-07
 Composite Name: NW Time: 11:43
 Composite Increment: 3 Chain of Custody Number: _____
 Weather Conditions: sun 80's

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

<u>Species:</u>	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ 50 grass
• seeds	_____
• flowers	_____ 50 dry flowers
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: _____

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes Play OK



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090803-NW-4-VB-DUS
 Composite Name: NW
 Composite Increment: 4
 Weather Conditions: Sun 80s

Date: 8-3-09
 Time: 11:52
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

eye/dry flowers

SAMPLE PREPARATION

Container: _____

Preservation: _____

• Shipping _____

• Packaging _____

Comments and Notes MIS-Labeled "NW 9"



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090803-NW-5-VD-DVS Date: 8-3-09
 Composite Name: NW Time: 11:59
 Composite Increment: 5 Chain of Custody Number: _____
 Weather Conditions: Jan 90°

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

95 Rye
5 Trace dry Flower

SAMPLE PREPARATION

Container: _____

Preservation: _____

- Shipping _____
- Packaging _____

Comments and Notes Flags OK



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090803-NW-6-UD-DUS
 Composite Name: NW
 Composite Increment: 6
 Weather Conditions: Sun 90

Date: 8-3-09
 Time: 1208
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ 100 Rye
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: _____

Preservation: _____

- Shipping _____
- Packaging _____

Comments and Notes Flags OK



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090803-NW-7-VD DUS Date: 8-3-07
 Composite Name: NW Time: 12:17
 Composite Increment: 7 Chain of Custody Number: _____
 Weather Conditions: Sun 90

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100 grass

SAMPLE PREPARATION

Container: _____

Preservation: _____

- Shipping _____
- Packaging _____

Comments and Notes Flags OK



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090903-NW-8-VD-DUS Date: 8-3-09
 Composite Name: NW Time: 12:25
 Composite Increment: 8 Chain of Custody Number: _____
 Weather Conditions: 7un 10

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100% Rye

SAMPLE PREPARATION

- Container: _____
- Preservation:
- Shipping _____
 - Packaging _____

Comments and Notes Plays OK



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090903-NW-9-UP-DUS Date: 8-3-09
 Composite Name: NW Time: 12:30
 Composite Increment: 9 Chain of Custody Number: _____
 Weather Conditions: sun 90

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ 80% Ryegrass
• seeds	_____
• flowers	_____ 20% Salt Brush
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

- Container: _____
- Preservation:
- Shipping _____
 - Packaging _____

Comments and Notes Flags OK - mixed up with NW-4



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090803-NW-D-UD-DVS Date: 8-3-09
 Composite Name: NW Time: 1237
 Composite Increment: 10 Chain of Custody Number: _____
 Weather Conditions: Sun 90°

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

100% Rye

SAMPLE PREPARATION

- Container: _____
- Preservation:
- Shipping _____
 - Packaging _____

Comments and Notes Flags OK

Chain of Custody Record

Temperature on Receipt _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Drinking Water? Yes No

Client: **Chemical Waste Management, Inc.**
 Address: **35251 Old Skyline Rd**
 City: **Kettleman City** State: **CA** Zip Code: **93239**

Project Manager: **Paul Turck**
 Telephone Number (Area Code)/Fax Number: **(559) 386-6151**
 Date: **8/4/09** Chain of Custody Number: **109549**

City: **Kettleman City** State: **CA** Zip Code: **93239**
 Project Name and Location (State): **KHF**
 Site Contact: **Steve Holshouser** Lab Contact: **Karen Dahl**
 Carrier/Waybill Number: _____

Contract/Purchase Order/Quote No.: **0742-816-02**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives										Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Le					
090804-5-1-VD-SEH	8/4/09	842				X										X	X	
090804-5-2-VD-SEH		825				X										X	X	
090804-5-3-VD-SEH		814				X										X	X	
090804-5-4-VD-SEH		807				X										X	X	
090804-5-5-VD-SEH		801				X										X	X	
090804-5-6-VD-SEH		0752				X										X	X	
090804-5-7-VD-SEH		740				X										X	X	
090804-5-8-VD-SEH		730				X										X	X	
090804-5-9-VD-SEH		722				X										X	X	
090804-5-10-VD-SEH		705				X										X	X	

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal: Return To Client Disposal By Lab Archive For **12** Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other **STD**

QC Requirements (Specify): _____

1. Relinquished By: Se E Han	Date: 08/04/09	Time: 1700	1. Received By: _____	Date: _____	Time: _____
2. Relinquished By: _____	Date: _____	Time: _____	2. Received By: _____	Date: _____	Time: _____
3. Relinquished By: _____	Date: _____	Time: _____	3. Received By: _____	Date: _____	Time: _____

Comments: *** 12 WHO PCB Congeners, Composite samples on this sheet for 1 analysis**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 190804-S-01
 Composite Name: S
 Composite Increment: 01
 Weather Conditions: 80°F Clear
SW → E

Date: 8/4/09
 Time: 0842
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- ~~scarce grass~~
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ <u>100% S</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

8/4/09
S

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes minimal brush
SW flag missing, replaced



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090804 - S - 02
 Composite Name: S
 Composite Increment: 02
 Weather Conditions: 82°F Clear
Slight breeze SE → NW

Date: 8/4/09
 Time: 0825
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ <u>100 %</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: _____

Preservation: _____

- Shipping _____
- Packaging _____

Comments and Notes SE flag down, replace
Extended sampling area 1m in all directions
in order to collect sufficient mass



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090804-S-03
Composite Name: 5
Composite Increment: 03
Weather Conditions: 80% clear, slight breeze, SE -> NW

Date: 8/4/08
Time: 0800 0814
Chain of Custody Number:

LOCATION DESCRIPTION

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species, Relative Quantity Collected. Rows include leaves, saltbrush, grasses (100% to 140%), seeds, flowers, forbs, fruits, whole plant.

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping
Packaging

Comments and Notes



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090804 - S-04
Composite Name: S
Composite Increment: 04
Weather Conditions: 81°F Clear
Very light breeze SW-NE

Date: 8/4/09
Time: 0809
Chain of Custody Number:

LOCATION DESCRIPTION

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species, Relative Quantity Collected. Rows include leaves, saltbrush, grasses (100% NYC), seeds, flowers, forbs, fruits, whole plant.

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping
Packaging

Comments and Notes: Some woody tips of leg brush included, minimal



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090804-5-05
Composite Name: 5
Composite Increment: 05
Weather Conditions: 80°F Clear

Date: 8/4/09
Time: 0801
Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ <u>100% rye</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 290804-S-06
 Composite Name: S
 Composite Increment: 06
 Weather Conditions: 80°F clear
calm

Date: 8/4/08
 Time: 0752
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ <u>100% p 170</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090804-S-07
Composite Name: S
Composite Increment: 07
Weather Conditions: 80°F Clear

Date: 8/4/07
Time: 0740
Chain of Custody Number:

LOCATION DESCRIPTION

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species and Relative Quantity Collected. Rows include leaves, saltbrush, grasses (marked with an 'x'), seeds, flowers, forbs, fruits, and whole plant.

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping
Packaging

Comments and Notes: 2' rattlesnake at sampling spot



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090804-5-08
 Composite Name: S
 Composite Increment: 08
 Weather Conditions: 80°F Clear
Cal m

Date: 8/4/09
 Time: 0730
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>x</u> _____ <u>150% to 1% with 1. inch seeds</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090804-5-09
Composite Name: 5
Composite Increment: 09
Weather Conditions: 81°F Clear
Calm

Date: 8/4/09
Time: 07:22
Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>x 100% rye</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

• Shipping _____

• Packaging _____

Comments and Notes Initial marking flag missing. Sampling
area undisturbed. Retagged firebreak, ~100 ft
before crest of hill.



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090804-S-10
Composite Name: 5
Composite Increment: 10
Weather Conditions: 80°F Clear
Calm

Date: 8/4/09
Time: 06:05 07:05
Chain of Custody Number:

LOCATION DESCRIPTION

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species, Relative Quantity Collected. Rows include leaves, saltbrush, grasses, seeds, flowers, forbs, fruits, whole plant. Handwritten note: 100% grass

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping
Packaging

Comments and Notes: Extended Sampling area ~ 0.5 meters in all directions in order to collect sufficient vegetation. Flagged and Documented. No leaves to collect due to dry conditions

From Please print and press hard
Date 08/04/09 Sender's FedEx Account Number 1132-9342-0
Sender's Name STEVEN HOWITORSKI Phone (559) 386-6117
Company CHEMICAL WASTE MGMT., INC.
Address 35251 OLD SKYLINE Dept./Floor/Suite/Room
City KETTLEMAN CITY State CA ZIP 93239

Your Internal Billing Reference
First 24 characters will appear on invoice
To Recipient's Name KAREN DAHL Phone ()
Company TEST AMERICA
Recipient's Address
We cannot deliver to P.O. boxes or P.O. ZIP codes.
Address 880 RIVERSIDE PARKWAY Dept./Floor/Suite/Room
To request a package be held at a specific FedEx location, print FedEx address here.
City WEST SACRAMENTO State CA ZIP 95605

4a Express Package Service

FedEx Priority Overnight Next business morning. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
 FedEx Standard Overnight Next business afternoon. Saturday Delivery NOT available.
 FedEx First Overnight Earliest next business morning delivery to select locations. Saturday Delivery NOT available.
 FedEx 2Day Second business day. Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
 FedEx Express Saver Third business day. Saturday Delivery NOT available.
* To most locations.

4b Express Freight Service

FedEx 1Day Freight Next business day. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
 FedEx 2Day Freight Second business day. Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
 FedEx 3Day Freight Third business day. Saturday Delivery NOT available.
* Call for Confirmation. ** To most locations.

5 Packaging

FedEx Envelope*
 FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
 FedEx Box
 FedEx Tube
 Other * Declared value limit \$500

6 Special Handling

Include FedEx address in Section 3.
 SATURDAY Delivery NOT Available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
 HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight.
 HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.
Does this shipment contain dangerous goods?
 No One box must be checked.
 Yes As per attached Shipper's Declaration
 Yes Shipper's Declaration not required
 Dry Ice Dry Ice, 9, UN 1845 x kg
Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. Cargo Aircraft Only

Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.
 Sender Acct. No. as Section 1 will be billed
 Recipient
 Third Party
 Credit Card
 Cash/Check
FedEx Acct. No. Credit Card No. Exp. Date

Total Packages 8 Total Weight 10M Total Declared Value† \$ 00

†Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

No Signature Required Package may be left without obtaining a signature for delivery.
 Direct Signature Someone at Recipient's address may sign for delivery. Fee applies.
 Indirect Signature If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.
520

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Location: VISA
Service ID: VISA-POS2
Employee: 411037
Transaction: 72047337182

PRIORITY OVERNIGHT
368645034086 288.10 lb (S) 269.23
7955296631199
7955296631203
7955296631214
7955296631225
7955296631236
7955296631247
7955296631258

Shipment subtotal: 269.23
Total Due: 269.23
FedEx Account: 269.23
*****3420

M = Weight entered manually
S = Weight read from scale
T = Taxable item

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1.800.463.3339

August 4, 2009 3:56:19 PM

RETAIN THIS COPY FOR YOUR RECORDS

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes No

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client Chemical Waste Management Inc		Project Manager Paul Turek		Date 8/4/09	Chain of Custody Number 109550
Address 32551 Old Skyline Rd		Telephone Number (Area Code)/Fax Number 559-386-6151		Lab Number	
City Kettleman City	State CA	Zip Code 93239	Site Contact Steve Holschouer	Lab Contact Karen Dahl	Page 1 of 1

Project Name and Location (State) KHF	Carrier/Waybill Number	Analysis (Attach list if more space is needed)		
---	------------------------	--	--	--

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix						Containers & Preservatives						Special Instructions/ Conditions of Receipt										
			Air	Aqueous	Sed.	Soil	Veg	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Veg Ice Bus											
090804 - SE-1 - VD - SEH	8/4/09	1237					X							X											
090804 - SE-2 - VD - SEH		1232					X																		
090804 - SE-3 - VD - SEH		1224					X																		
090804 - SE-4 - VD - SEH		1217					X																		
090804 - SE-5 - VD - SEH		1208					X																		
090804 - SE-6 - VD - SEH		1203					X																		
090804 - SE-7 - VD - SEH		1158					X																		
090804 - SE-8 - VD - SEH		1150					X																		
090804 - SE-9 - VD - SEH Bus		1139					X																		
090804 - SE-10 - VD - SEH		1128					X																		
090804 - SE-R - SEH		1150	X				X																		

Possible Hazard Identification			Sample Disposal		
<input type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input checked="" type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client
			<input type="checkbox"/> Disposal By Lab		
			<input checked="" type="checkbox"/> Archive For 12 Months		

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other **Stand.**

1. Relinquished By Steve E Hall	Date 08/04/09	Time 1700	1. Received By	Date	Time
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments
12 WHO PAB Congeners, Composite Samples listed on sheet for Analysis

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy



SE

SUE SAMPLING DATA SHEET
PCB Congener Study
Man Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090804-SE-01
Composite Name: SE
Composite Increment: 01
Weather Conditions: 84°F Clear
light breeze NE → SSW

Date: 8/4/08
Time: 1237
Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	Relative Quantity Collected
• leaves	_____ <u>20% mg</u> <u>40%</u>
• saltbrush	_____ <u>20% mg</u> <u>0%</u>
• grasses	_____ <u>80%</u> <u>0%</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: _____

Preservation: _____

- Shipping _____
- Packaging _____

Comments and Notes leaves and plants gone, brush very
dry, stems and weak tips



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090804-SE-02
 Composite Name: SE
 Composite Increment: 02
 Weather Conditions: 84°F Clear
Calm, light breeze NE → SW

Date: 8/4/09
 Time: 1232
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____ <u>10% brush</u>
• saltbrush	_____
• grasses	_____ <u>90%</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes brush very dry, stems



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090804-SE-03
 Composite Name: SE
 Composite Increment: 03
 Weather Conditions: 84°F Clear
Breeze E → WSW

Date: 8/4/09
 Time: 12:24
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

<u>Species:</u>	<u>Relative Quantity Collected</u>
• leaves	_____ <u>20% brush with few leaves</u>
• saltbrush	_____
• grasses	_____ <u>80%</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes Some leaves dried, with waterbrush
very light in mass



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 020804-SE-04
Composite Name: SE
Composite Increment: 04
Weather Conditions: 84°F Clear E-W

Date: 8/4/09
Time: 12:17
Chain of Custody Number:

LOCATION DESCRIPTION

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species, Relative Quantity Collected. Rows include leaves, saltbrush, grasses (100%), seeds, flowers, forbs, fruits, whole plant.

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping
Packaging

Comments and Notes: brush very dry and scarce



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090804-SE-05
 Composite Name: SE
 Composite Increment: 05
 Weather Conditions: 84°F Clear

Date: 8/4/09
 Time: 1208
 Chain of Custody Number: _____

Calm
light NE → SW

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>100% rye</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

• Shipping _____

• Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090804 - SE - 06
 Composite Name: SE
 Composite Increment: 06
 Weather Conditions: 83°F Clear

Date: 8/4/09
 Time: 1203
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____ 10% brush
• saltbrush	_____
• grasses	_____ 90% rye
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

• Shipping _____

• Packaging _____

Comments and Notes brush lay out sparse with stems
and woody tips



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 290804-SE-07
Composite Name: SE
Composite Increment: 07
Weather Conditions: 85°F clear
light breeze NE → SW

Date: 8/4/09
Time: 1158
Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	Relative Quantity Collected
• leaves	_____
• saltbrush	_____ <u>20% brush</u>
• grasses	_____ <u>80%</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

• Shipping _____

• Packaging _____

Comments and Notes brush dry and some stems



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090804-SE-08
 Composite Name: SE
 Composite Increment: 08
 Weather/Conditions: 83°F Clear
light breeze N→SSW

Date: 8/4/09
 Time: 1150
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>100% rye</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

• Shipping _____

• Packaging _____

Comments and Notes Risinate sample collected @ 1150



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090804-SE-09
Composite Name: SE
Composite Increment: 09
Weather Conditions: 82°F clear
light breeze S → N

Date: 8/4/09
Time: 1139
Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	Relative Quantity Collected
• leaves	_____ 52 to 60
• saltbrush	_____
• grasses	_____ 95%
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes covered by Tumble weeds
Tumbleweeds moved, NE and SE flags
replaced
Brush scarce



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 990824-SE-10
Composite Name: SE
Composite Increment: 10
Weather Conditions: 82°F Clear
light breeze SE-NW

Date: 8/4/09
Time: 1128
Chain of Custody Number:

LOCATION DESCRIPTION

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species, Relative Quantity Collected. Rows include leaves, saltbrush, grasses (100% dry), seeds, flowers, forbs, fruits, whole plant.

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping
Packaging

Comments and Notes

Chain of Custody Record

Temperature on Receipt _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Drinking Water? Yes No

Client Chemical Waste Management, Inc.			Project Manager Paul Turek			Date 8/3/09		Chain of Custody Number 109537	
Address 35251 Old Skyline Rd			Telephone Number (Area Code)/Fax Number (559) 386-6151			Lab Number		Page 1 of 1	
City Kettleman City	State CA	Zip Code 93239	Site Contact Steve Holshauer		Lab Contact Karen Dahl		Analysis (Attach list if more space is needed)		
Project Name and Location (State) KHF			Carrier/Waybill Number						

Contract/Purchase Order/Quote No. 0742-816-02	Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives							Special Instructions/ Conditions of Receipt	
				Air	Aqueous	Sed.	Soil	Veget.	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH			
	090803-SW-1-VD-SEH	8/3/09	1451					X							X	X	
	090803-SW-2-VD-SEH		1457					X							X		
	090803-SW-3-VD-SEH		1505					X							X		
	090803-SW-4-VD-SEH		1513					X							X		
	090803-SW-5-VD-SEH		1520					X							X		
	090803-SW-6-VD-SEH		1531					X							X		
	090803-SW-7-VD-SEH		1540					X							X		
	090803-SW-8-VD-SEH		1550					X							X		
	090803-SW-9-VD-SEH		1600					X							X		
	090803-SW-10-VD-SEH		1610					X							X		

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal
 Return To Client Disposal By Lab Archive For **12** Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
 24 Hours 48 Hours 7 Days 14 Days 21 Days Other **STD**

QC Requirements (Specify)

1. Relinquished By SEE Hla	Date 08/04/09	Time 1700	1. Received By	Date	Time
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments
*** 12 WHO PCB Congeners Composite samples listed on sheet for 1 analysis**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: _____
 Composite Name: SW
 Composite Increment: 01
 Weather Conditions: 91F Clear

Date: 8/31/09
 Time: 14:57
 Chain of Custody Number: _____

Light ESWNW breeze

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

<u>Species:</u>	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ <u>100% to 5%</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____



SAMPLE PREPARATION

Container: clear glass

Preservation:

• Shipping _____

• Packaging _____

Comments and Notes Some underbrush but most dried up and blown away



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090803-SW-2
 Composite Name: SW
 Composite Increment: 02
 Weather Conditions: 91°F Clear
W. - d

Date: 8/2/09
 Time: 19:57
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ <i>100% 1/yr</i>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090803 - SW - 5
Composite Name: SW
Composite Increment: 03
Weather Conditions: 91 F clear
light breeze E -> W

Date: 8/3/09
Time: 15:05
Chain of Custody Number:

LOCATION DESCRIPTION

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species and Relative Quantity Collected. Rows include leaves, saltbrush, grasses, seeds, flowers, forbs, fruits, and whole plant. Handwritten entries show 40% saltbrush and 60% rye.

SAMPLE PREPARATION

Container:

Preservation:

- Shipping
Packaging

Comments and Notes: Saltbrush had very little leaves. Mostly dry and some tips of branches



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090803-SW-4
 Composite Name: SW
 Composite Increment: 04
 Weather Conditions: 91°F Clear
light breeze SW → WNW

Date: 8/5/08
 Time: 15:13
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- ~~brush/scrubs~~

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	<u>35%</u>
• grasses	<u>65%</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes Saltbrush scarce, dry with mainly
waxy tips



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090803-SW-5
 Composite Name: SW
 Composite Increment: 05
 Weather Conditions: 91°F Clear
light breeze E↔W

Date: 8/31/09
 Time: 15:20
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	<u>20% underbrush</u>
• grasses	<u>80%</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: _____

Preservation: _____

• Shipping _____

• Packaging _____

Comments and Notes vegetation scarce. Sampling area extended
Some woody tips
Area extended 0.25 m in all directions to collect
enough vegetation.



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090003-SW-0
 Composite Name: SW
 Composite Increment: 0
 Weather Conditions: 91°F Clear
light breeze E-W

Date: 8/3/09
 Time: 15:31
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____ <u>40</u> %
• grasses	_____ <u>60</u> %
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes Salt brush leg, waxy tips with sparse leaves



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI-KHF
Sample Identification: 090803-SW-7
Composite Name: SW
Composite Increment: 07
Weather Conditions: 91°F Clear
light breeze E-W
calm

Date: 8/3/09
Time: 15:40
Chain of Custody Number:

LOCATION DESCRIPTION

- primarily grassy
scarce grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species, Relative Quantity Collected. Rows include leaves, saltbrush (20%), grasses (80%), seeds, flowers, forbs, fruits, whole plant.

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping
Packaging

Comments and Notes: saltbrush dry, woody tips and dry leaves



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 90803-SW-8
 Composite Name: SW
 Composite Increment: 20
 Weather Conditions: 91°F Clear
Calm, light breeze SE → WNW

Date: 8/3/09
 Time: 15:50
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ <u>100% = rye</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090703-SW-9
 Composite Name: SW
 Composite Increment: 29
 Weather Conditions: 91°F, Clear

Date: 8/3/29
 Time: 15:00
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ <u>100% r eye</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090803-SW-10#5H
 Composite Name: SW
 Composite Increment: 10
 Weather Conditions: 93°F Clear
light breeze E → W

Date: 8/3/09
 Time: 16:10
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	<u>90%</u> <u>10% to brush</u>
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes fruit very scarce

Chain of Custody Record

Temperature on Receipt _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Drinking Water? Yes No

Client Chemical Waste Management, Inc.		Project Manager Paul Turck			Date 8/3/09	Chain of Custody Number 109536
Address 35251 Old Skyline Rd.		Telephone Number (Area Code)/Fax Number (559) 386-6151			Lab Number	Page 1 of 1

City Kettleman City	State CA	Zip Code 93239	Site Contact Steve Holzhausen	Lab Contact Karen Dahl	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
Project Name and Location (State) K.H.F.			Carrier/Waybill Number			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives							Special Instructions/ Conditions of Receipt								
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	1cc		1668a							
090803-W-1-VD-SEH	8/3/09	1351					X															
090803-W-2-VD-SEH		1356					X															
090803-W-3-VD-SEH		1401					X															
090803-W-4-VD-SEH		1410					X															
090803-W-5-VD-SEH		1415					X															
090803-W-6-VD-SEH		1420					X															
090803-W-7-VD-SEH		1426					X															
090803-W-8-VD-SEH		1431					X															
090803-W-9-VD-SEH		1438					X															
090803-W-10-VD-SEH		1444					X															

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal: Return To Client Disposal By Lab Archive For **12** Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other **STD**

QC Requirements (Specify)

1. Relinquished By SEE John	Date 08/04/09	Time 1700	1. Received By	Date	Time
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: *** 12 WHO PCB Congeners Composite Samples on this sheet for 1 analysis**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 71003-W-01-
 Composite Name: W
 Composite Increment: 01
 Weather Conditions: 89°F
Wind SE → W/NW

Date: 8/3/09
 Time: 13:57
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

<u>Species:</u>	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____ <u>100% 1ye</u>
• grasses	_____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____





PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 250803-W-2
 Composite Name: W
 Composite Increment: 02
 Weather Conditions: 87°F Clear
Wind → WNW

Date: 8/3/09
 Time: 13:56
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____ 100% 1%
• grasses	_____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090803 - W-3
 Composite Name: W
 Composite Increment: 03
 Weather Conditions: 87° Clear
Wind SE → WNW

Date: 8/3/09
 Time: 14:00
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____ <u>100% rye</u>
• grasses	_____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 040803-L-04
Composite Name: W
Composite Increment: 04
Weather Conditions: 89°F Clear
Wind SE → WNW

Date: 8/3/09
Time: 14:10
Chain of Custody Number: _____

LOCATION DESCRIPTION

- ~~primarily grassy~~
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____ 100% dry
• grasses	_____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes SE corner flag missing



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 080803-W-05
 Composite Name: W
 Composite Increment: 05
 Weather Conditions: 89°F Clear
W SE → WNW

Date: 8/3/08
 Time: 14:15
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- ~~primarily grassy~~
- ~~scarce grass~~
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ 100% 17c
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090003 - W - 6
 Composite Name: W
 Composite Increment: 06
 Weather Conditions: 89°F Clear
W-d SE → WNW

Date: 8/5/09
 Time: 14:20
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ 100% ryc
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 070803-W-7
Composite Name: P
Composite Increment: 07
Weather Conditions: 91°F Clear

Date: 8/3/09
Time: 14:26
Chain of Custody Number: _____

W - L E -> W
(calm)

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

<u>Species:</u>	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____ <u>100% +/-</u>
• grasses	_____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping _____
- Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 240803-W-8
 Composite Name: W
 Composite Increment: 08
 Weather Conditions: 91°F Clear
W
Calm

Date: 8/13/09
 Time: 14:31
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scarce grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____
• grasses	_____ 100% 1ye
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

• Shipping _____

• Packaging _____

Comments and Notes _____



PLANT TISSUE SAMPLING DATA SHEET

PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
Sample Identification: 090803-W-9
Composite Name: W
Composite Increment: 09
Weather Conditions: 91°F clear

Date: 8/3/09
Time: 14:38
Chain of Custody Number:

Wind ESW
Calm/light breeze

LOCATION DESCRIPTION

- primarily grassy
scaree grass
brush/scrubs

SAMPLE TYPE

Table with 2 columns: Species, Relative Quantity Collected. Rows include leaves, saltbrush, grasses, seeds, flowers, forbs, fruits, whole plant. Handwritten '100%' is next to saltbrush.

SAMPLE PREPARATION

Container: clear glass

Preservation:

- Shipping
Packaging

Comments and Notes: SW flag knocked over



PLANT TISSUE SAMPLING DATA SHEET
PCB Congener Study
Kettleman Hills Facility (KHF)
Kings County, California



Project Name: CWMI - KHF
 Sample Identification: 090803-W-10
 Composite Name: W
 Composite Increment: 10
 Weather Conditions: 91°F clear
Wind E→W/NW

Date: 8/3/99
 Time: 14:44
 Chain of Custody Number: _____

LOCATION DESCRIPTION

- primarily grassy
- scaree grass
- brush/scrubs

SAMPLE TYPE

Species:	<u>Relative Quantity Collected</u>
• leaves	_____
• saltbrush	_____ <u>100% type</u>
• grasses	_____
• seeds	_____
• flowers	_____
• forbs	_____
• fruits	_____
• whole plant	_____

SAMPLE PREPARATION

Container: clear glass

Preservation:

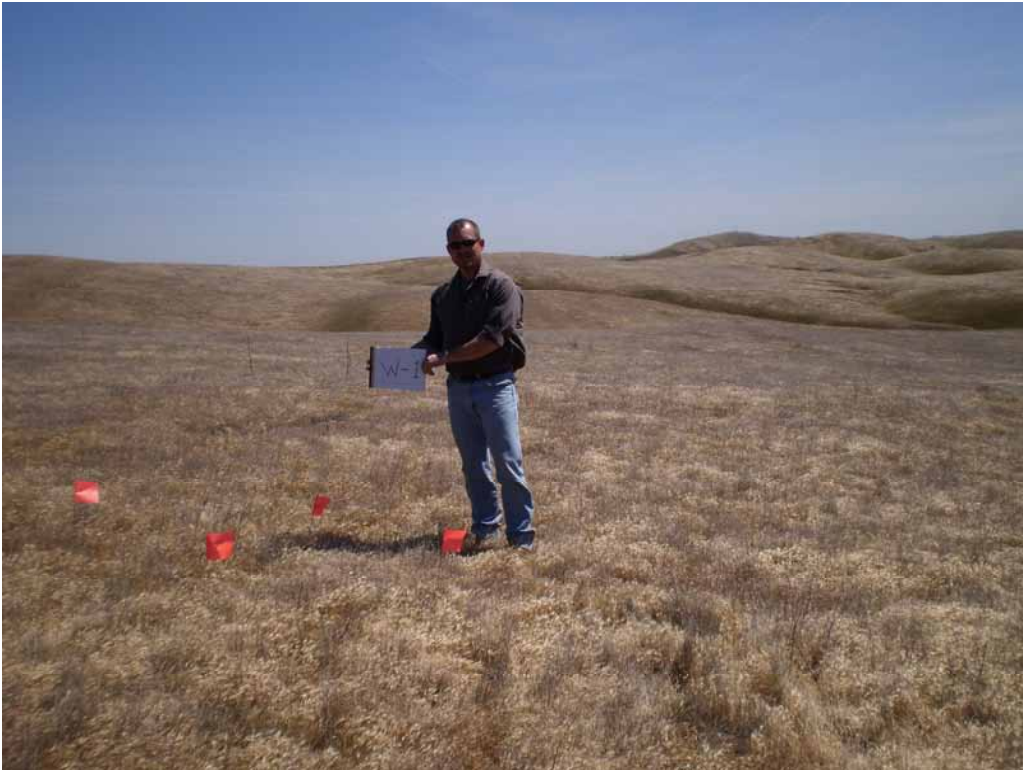
- Shipping _____
- Packaging _____

Comments and Notes _____

W Sample Area
Sampling Photo Log
Dioxin-Like PCB Congener Study
Kettleman Hills Facility
Kings County, CA

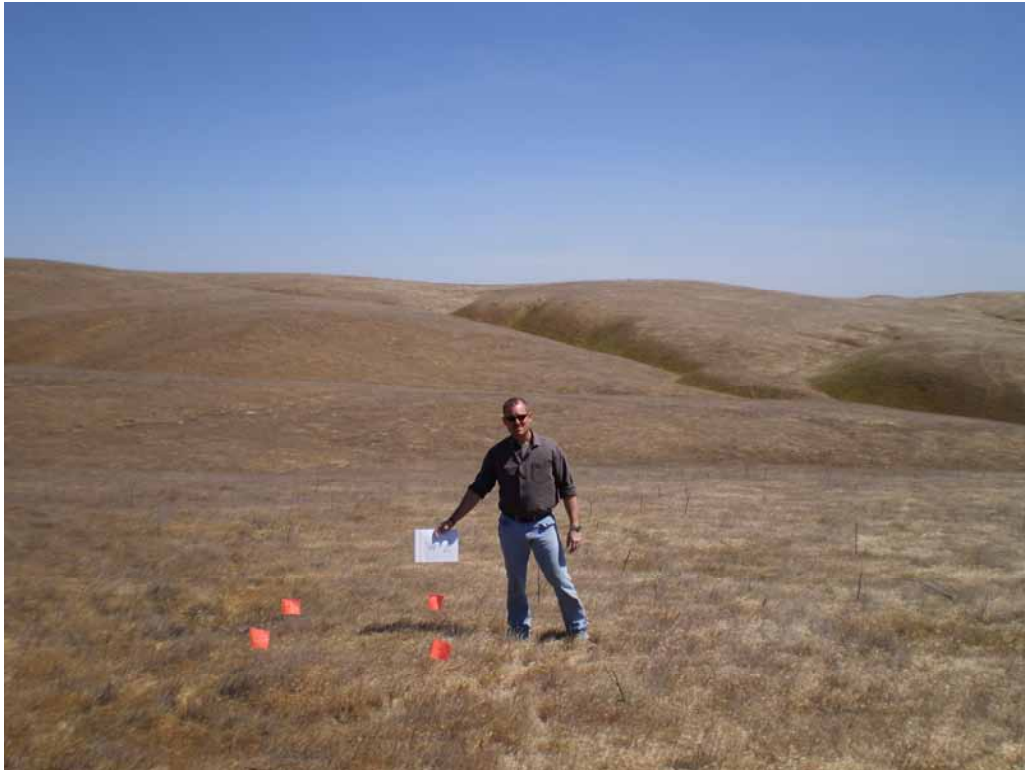
W-01 Sampling Location
Sampled 4/1/09

35°58'11.62"N
120°01'48.78"W



W-02 Sampling Location
Sampled 4/1/09

35°58'06.48"N
120°01'48.72"W



W-03 Sampling Location
Sampled 4/1/09

35°58'01.34"N
120°01'48.62"W



W-04 Sampling Location
Sampled 4/1/09

35°57'55.86"N
120°01'48.67"W



W-05 Sampling Location
Sampled 4/1/09

35°57'51.04"N
120°01'48.54"W



W-06 Sampling Location
Sampled 4/1/09

35°57'50.92"N
120°01'43.97"W



W-07 Sampling Location
Sampled 4/1/09

35°57'50.98"N
120°01'37.52"W



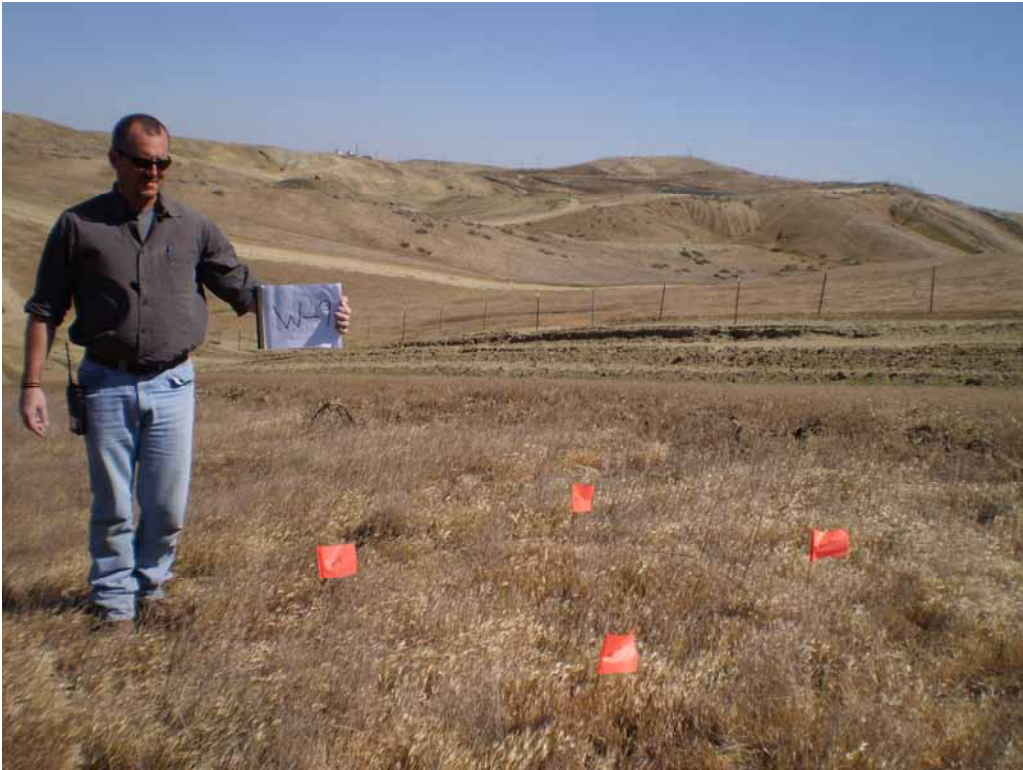
W-08 Sampling Location
Sampled 4/1/09

35°57'51.01"N
120°01'30.97"W



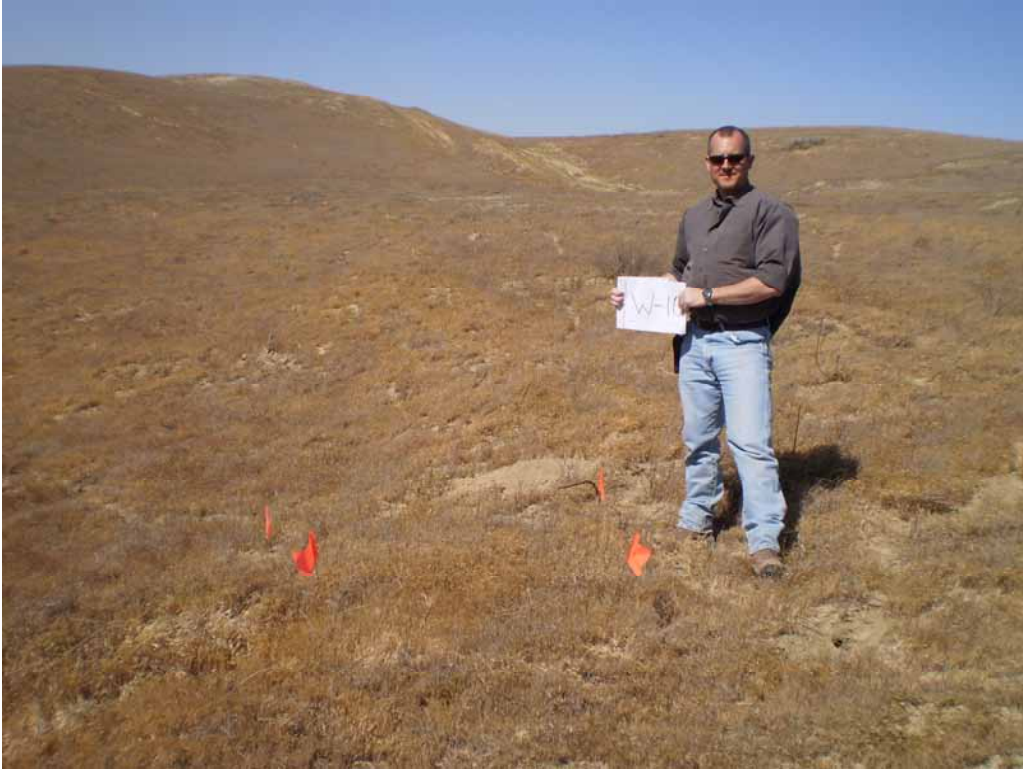
W-09 Sampling Location
Sampled 4/1/09

35°57'50.86"N
120°01'24.85"W



W-10 Sampling Location
Sampled 4/1/09

35°57'50.96"N
120°01'18.45"W

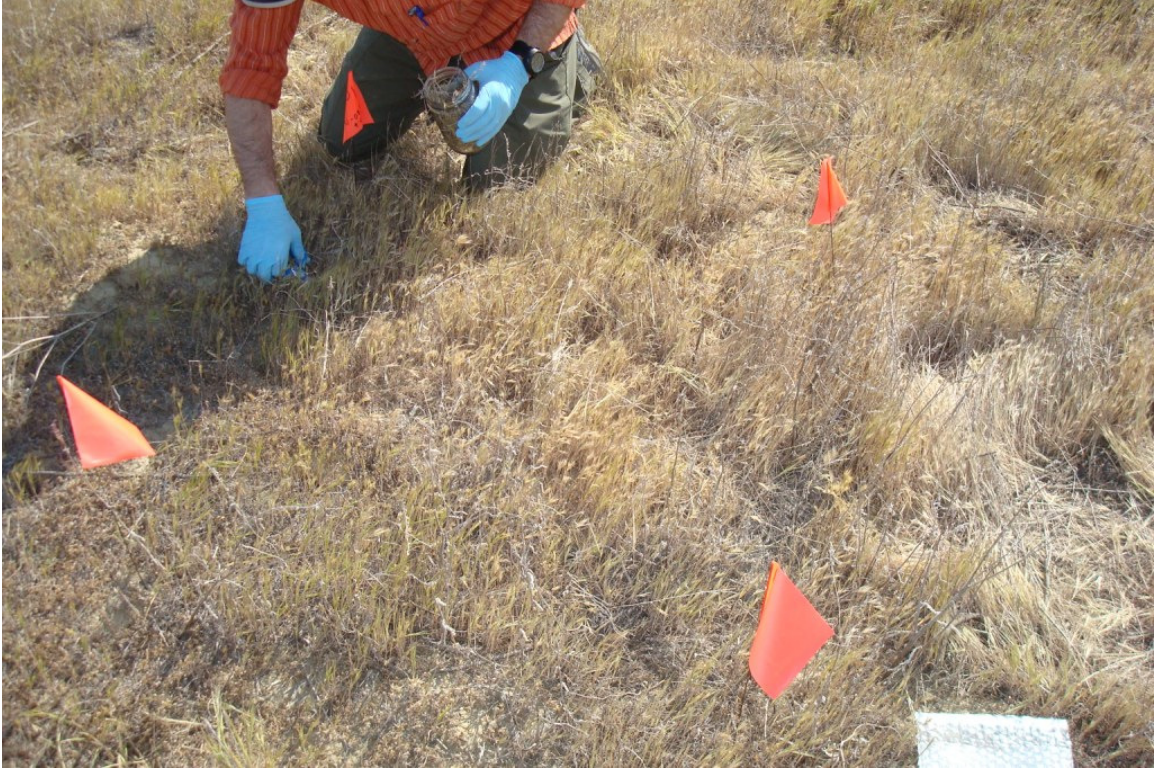


SW Sample Area
Sampling Photo Log
Dioxin-Like PCB Congener Study
Kettleman Hills Facility
Kings County, CA

SW-01 Sampling Location
Sampled 3/31/09

35°57'44.74"N
120°01'17.07"W





SW-02 Sampling Location
Sampled 3/31/09

35°57'38.68"N
120°01'17.07"W





SW-03 Sampling Location
Sampled 3/31/09

35°57'34.32"N
120°01'17.38"W



SW-04 Sampling Location
Sampled 3/31/09

35°57'29.31"N
120°01'17.26"W



SW-05 Sampling Location
Sampled 3/31/09

35°57'24.05"N
120°01'17.37"W



SW-06 Sampling Location
Sampled 3/31/09

35°57'18.89"N
120°01'17.69"W





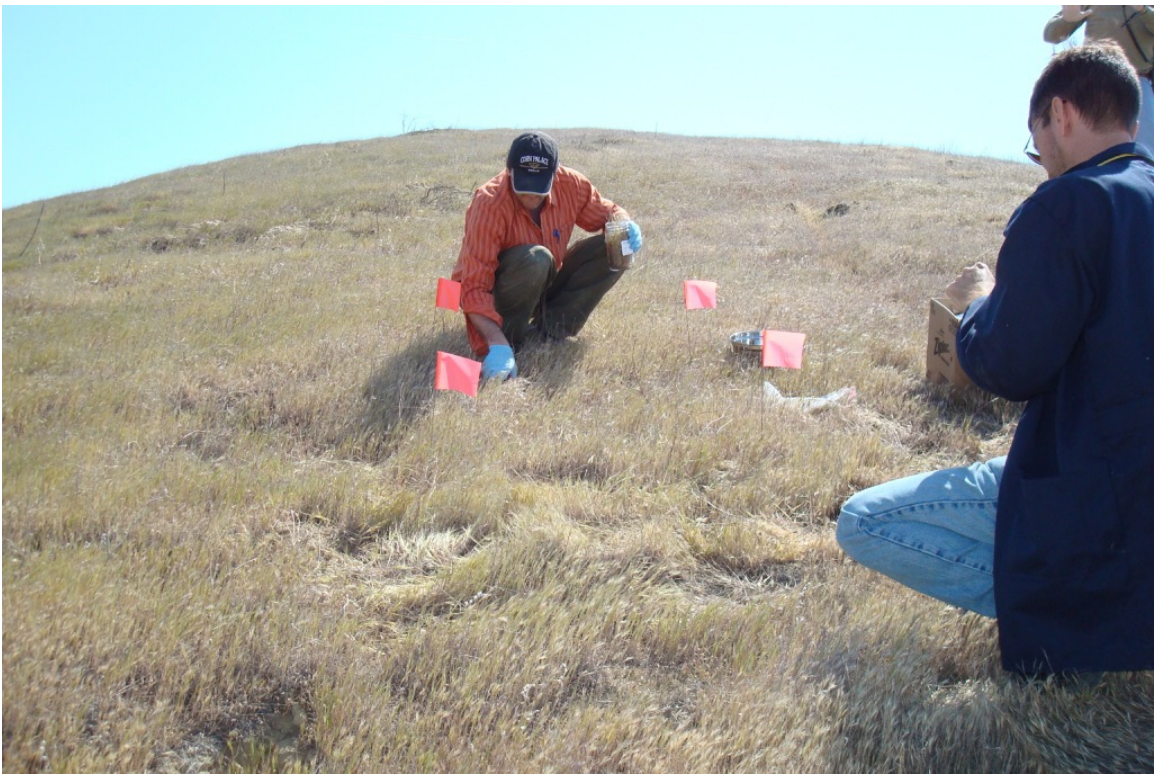
SW-07 Sampling Location
Sampled 3/31/09

35°57'13.79"N
120°01'17.85"W



SW-08 Sampling Location
Sampled 3/31/09

35°57'08.64"N
120°01'17.69"W





SW-09 Sampling Location
Sampled 3/31/09

35°57'03.54"N
120°01'17.63"W



SW-10 Sampling Location
Sampled 3/31/09

35°56'58.28"N
120°01'18.52"W





SE Sample Area
Sampling Photo Log
Dioxin-Like PCB Congener Study
Kettleman Hills Facility
Kings County, CA

SE-10 Sampling Location
Sampled 4/1/09

35°57'00.94"N
120°00'14.82"W



SE-09 Sampling Location
Sampled 4/1/09

35°57'06.11"N
120°00'14.74"W



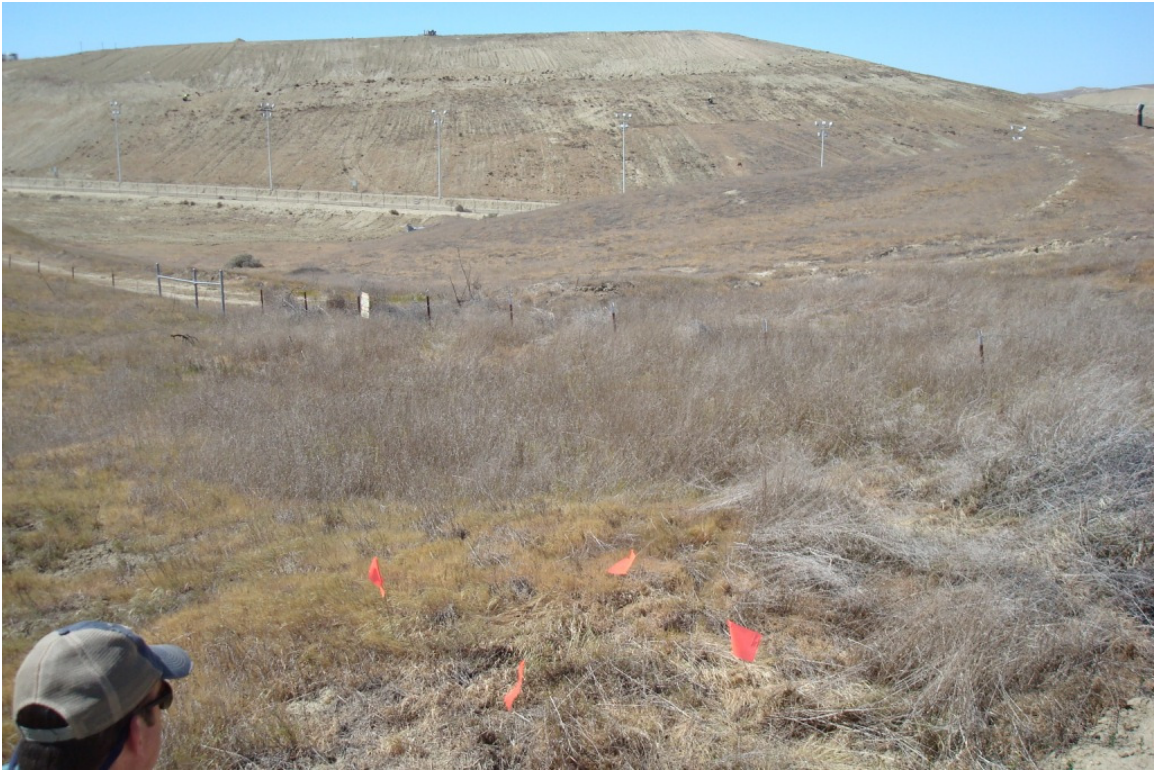
SE-08 Sampling Location
Sampled 4/1/09

35°57'11.29"N
120°00'14.68"W



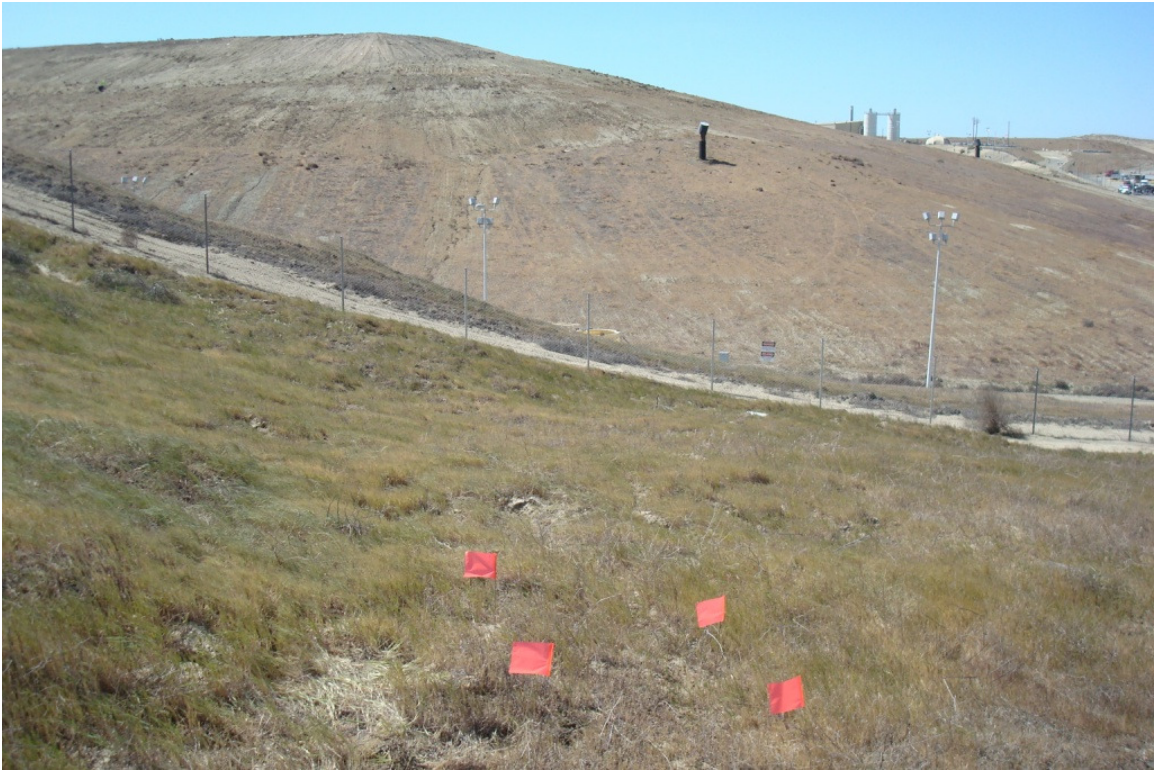
SE-07 Sampling Location
Sampled 4/1/09

35°57'16.49"N
120°00'15.19"W



SE-06 Sampling Location
Sampled 4/1/09

35°57'21.66"N
120°00'15.20"W



SE-05 Sampling Location
Sampled 4/1/09

35°57'26.78"N
120°00'14.82"W



SE-04 Sampling Location
Sampled 4/1/09

35°57'31.94"N
120°00'14.35"W



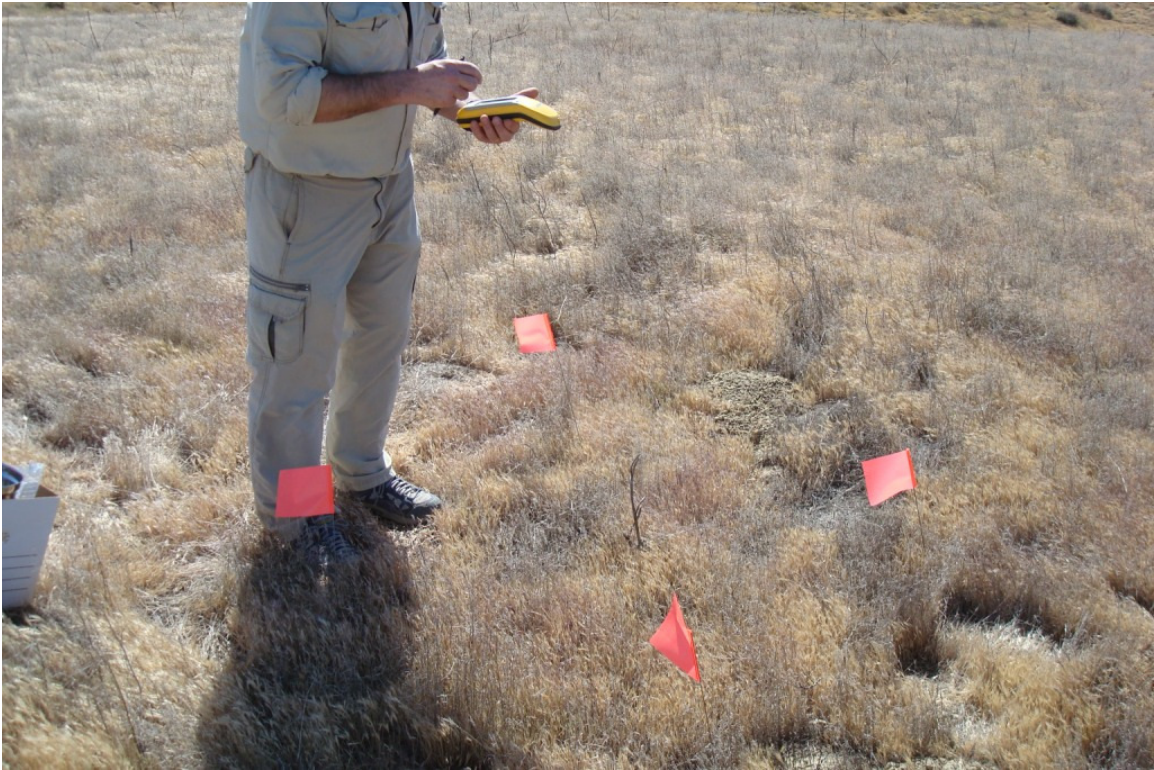
SE-03 Sampling Location
Sampled 4/1/09

35°57'37.11"N
120°00'14.41"W



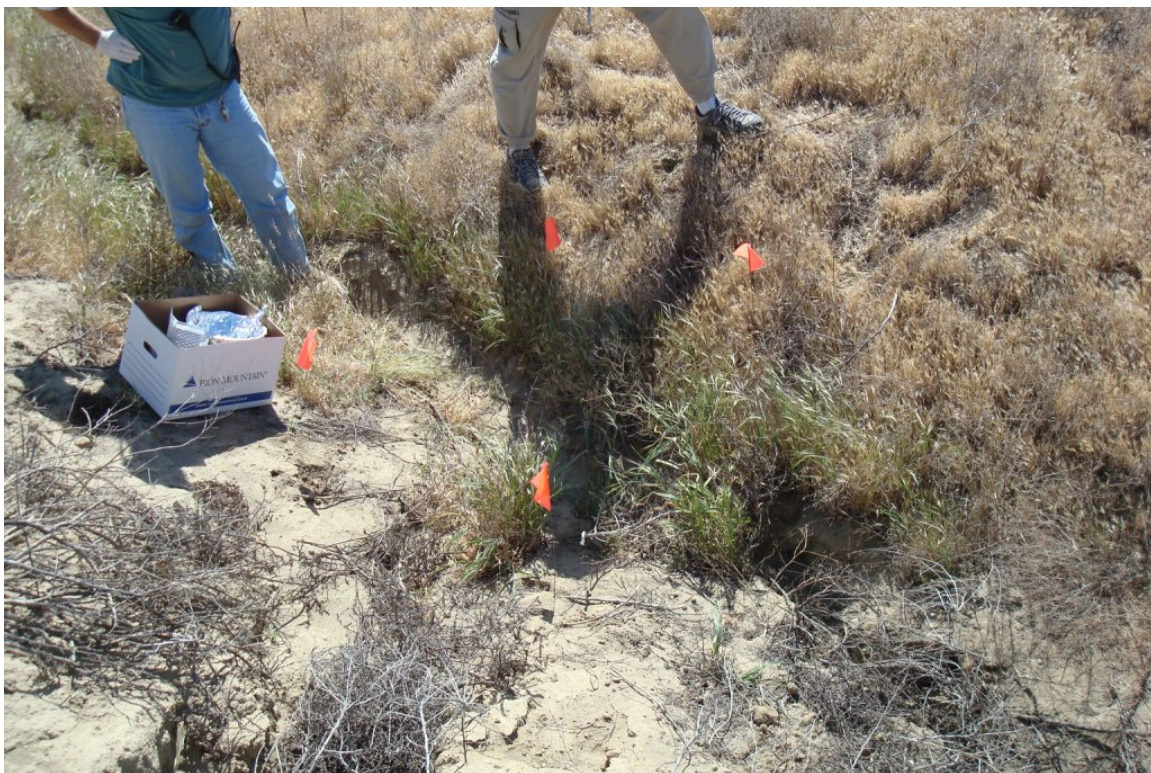
SE-02 Sampling Location
Sampled 4/1/09

35°57'42.32"N
120°00'14.79"W



SE-01 Sampling Location
Sampled 4/1/09

35°57'47.39"N
120°00'14.68"W







S Sample Area
Sampling Photo Log
Dioxin-Like PCB Congener Study
Kettleman Hills Facility
Kings County, CA

S-10 Sampling Location
Sampled 3/31/09

35°56'58.24"N
120°01'13.41"W



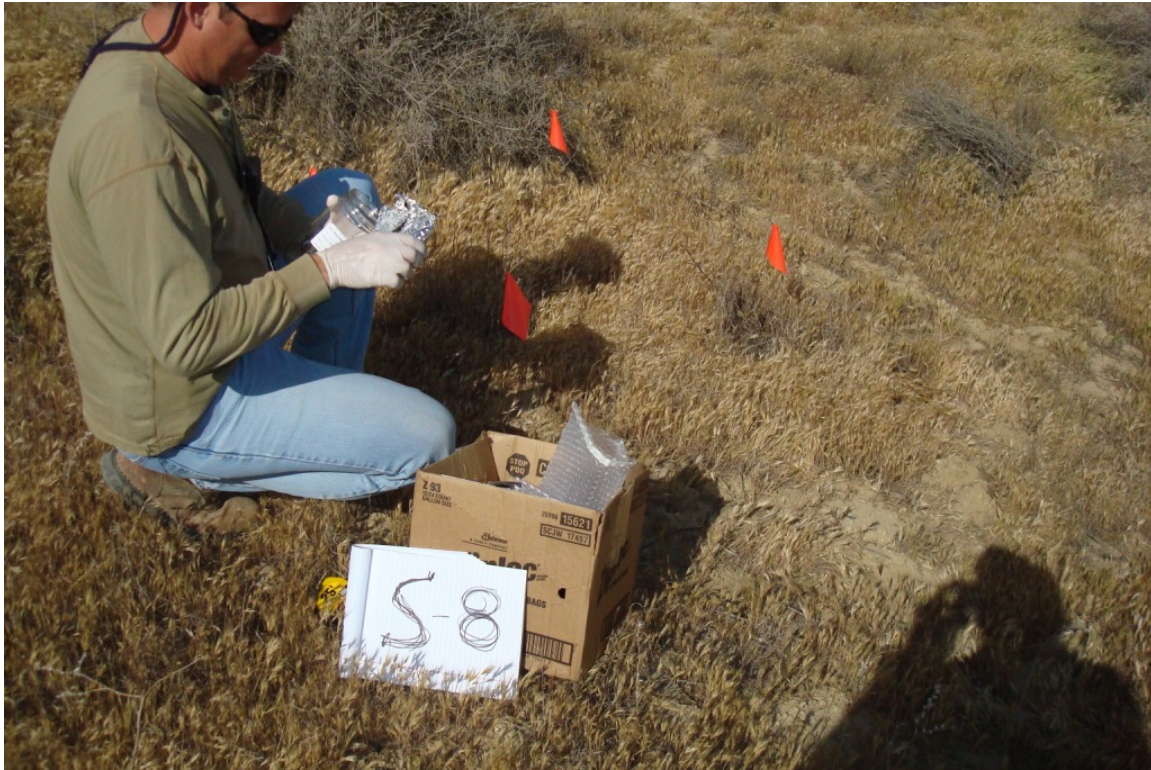
S-09 Sampling Location
Sampled 3/31/09

35°56'58.93"N
120°01'06.62"W



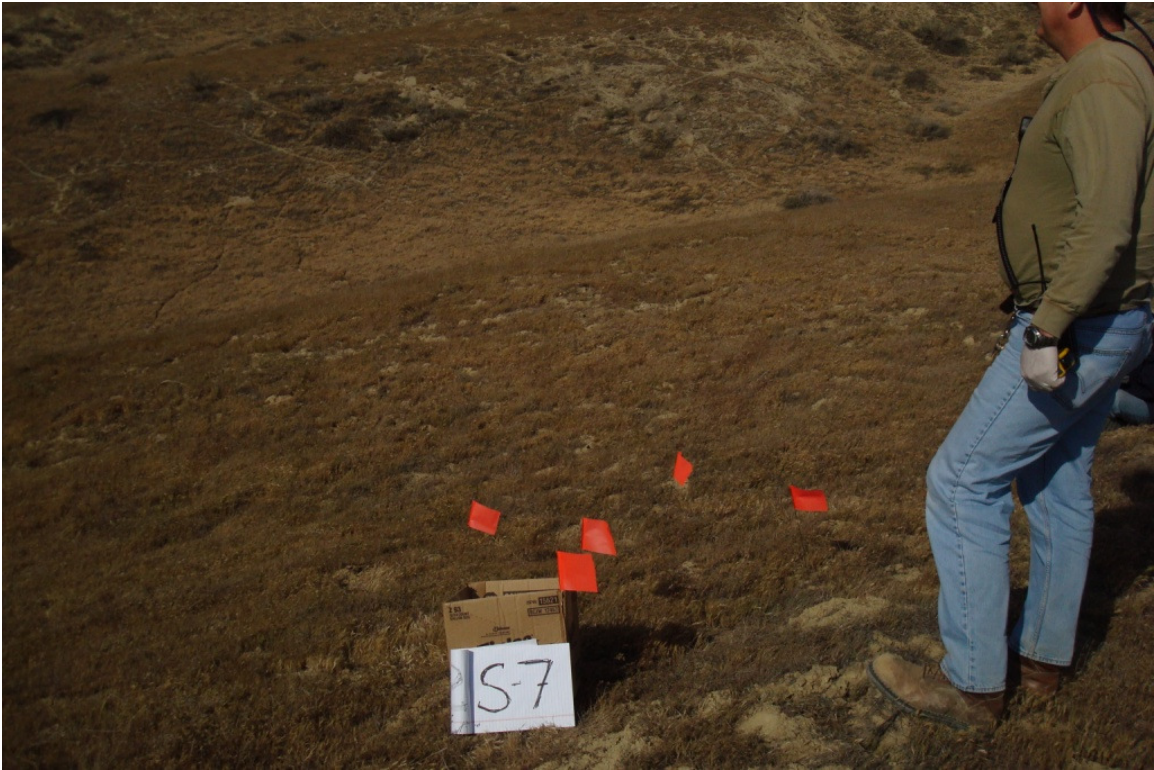
S-08 Sampling Location
Sampled 3/31/09

35°56'58.22"N
120°01'00.59"W



S-07 Sampling Location
Sampled 3/31/09

35°56'58.44"N
120°00'54.26"W



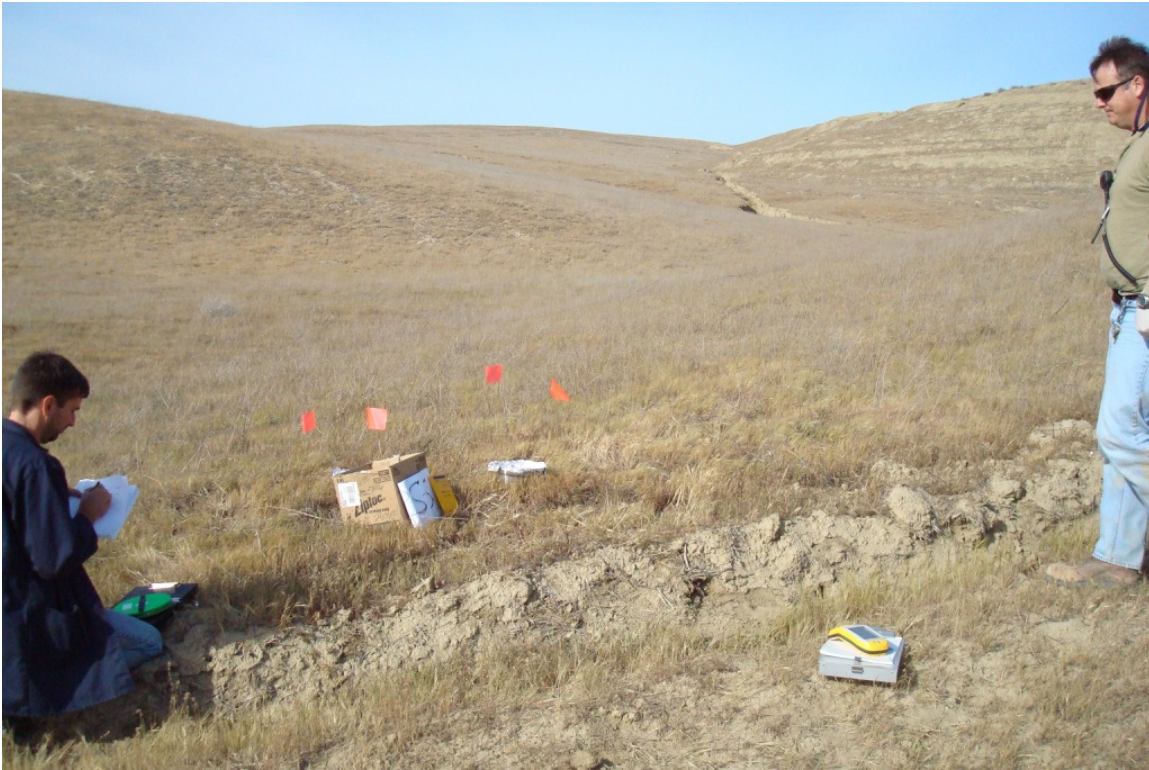
S-06 Sampling Location
Sampled 3/31/09

35°56'58.13"N
120°00'47.97"W



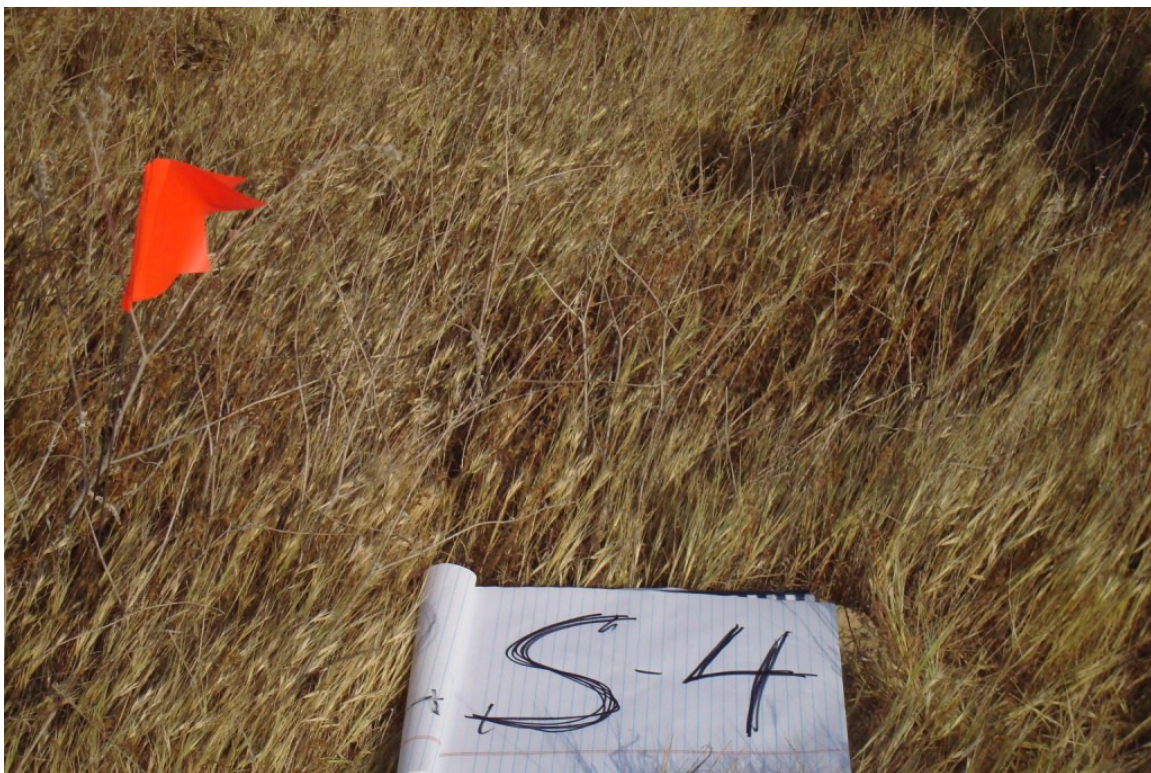
S-05 Sampling Location
Sampled 3/31/09

35°56'58.04"N
120°00'41.61"W



S-04 Sampling Location
Sampled 3/31/09

35°56'57.93"N
120°00'35.16"W



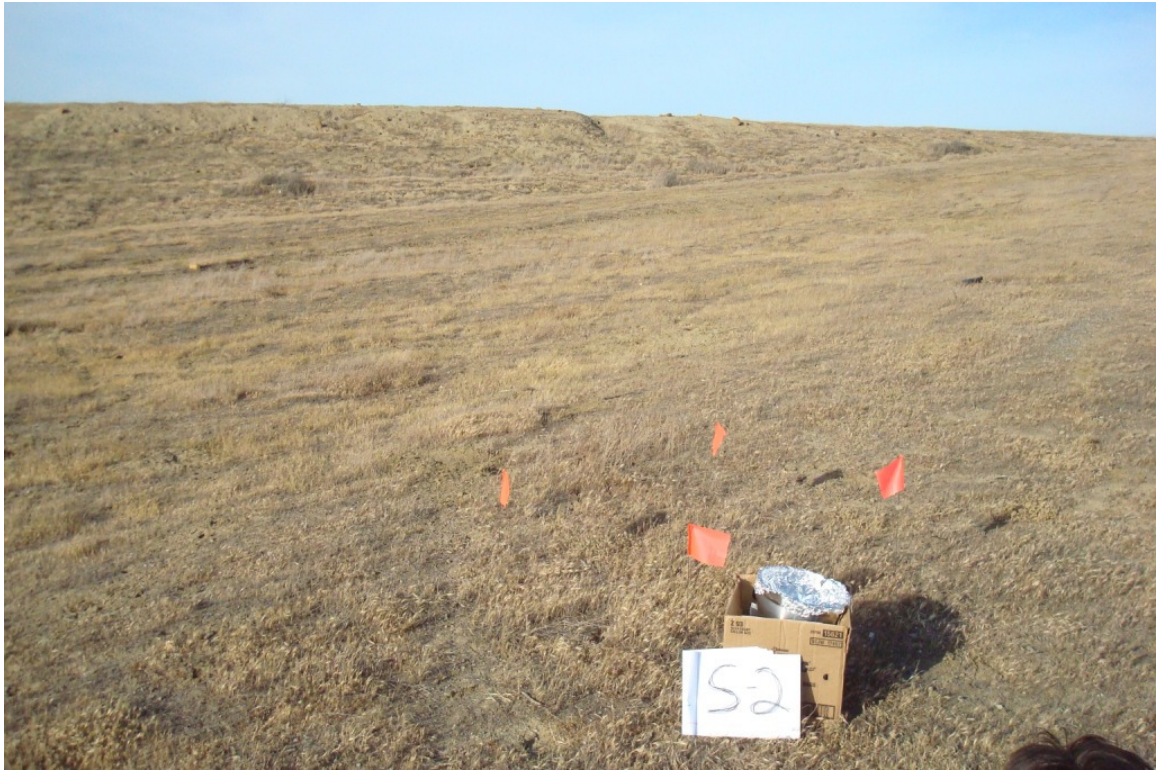
S-03 Sampling Location
Sampled 3/31/09

35°56'58.10"N
120°00'28.75"W



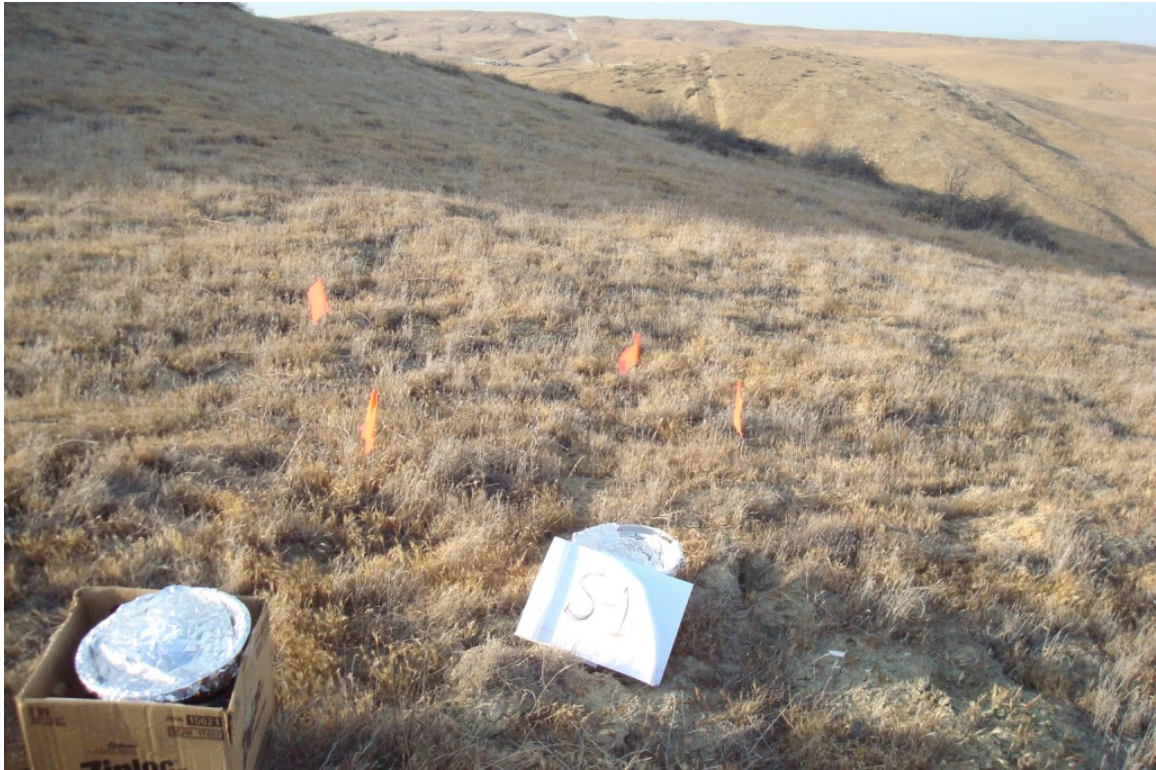
S-02 Sampling Location
Sampled 3/31/09

35°56'58.22"N
120°00'22.22"W



S-01 Sampling Location
Sampled 3/31/09

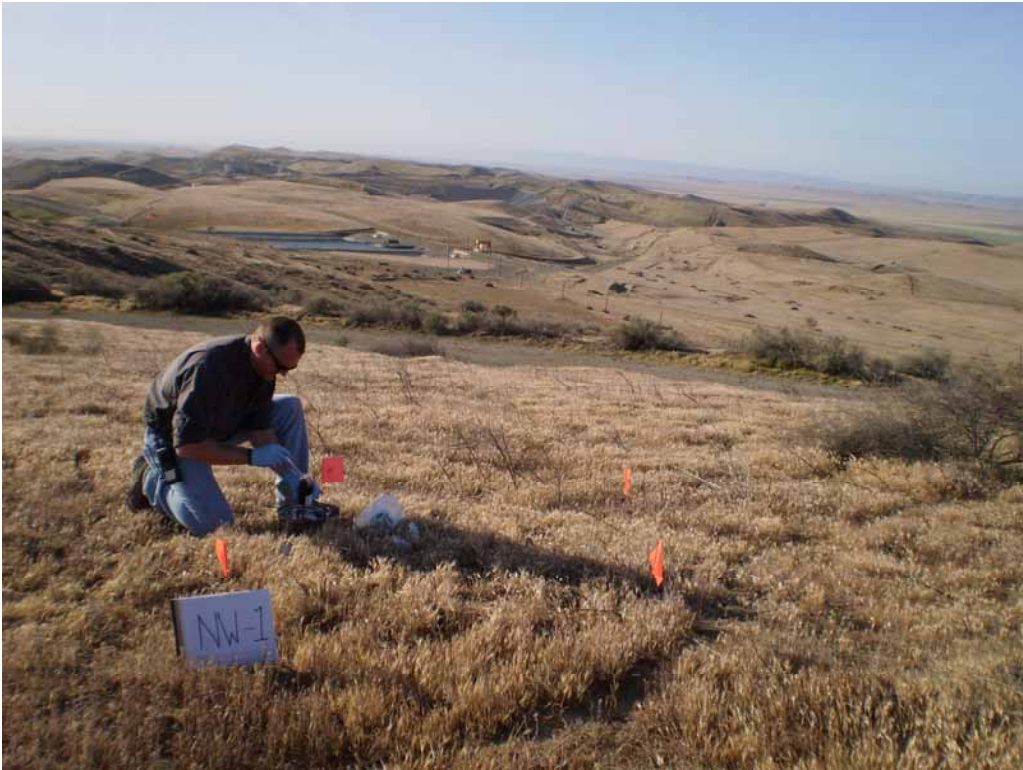
35°56'57.85"N
120°00'16.26"W



NW Sample Area
Sampling Photo Log
Dioxin-Like PCB Congener Study
Kettleman Hills Facility
Kings County, CA

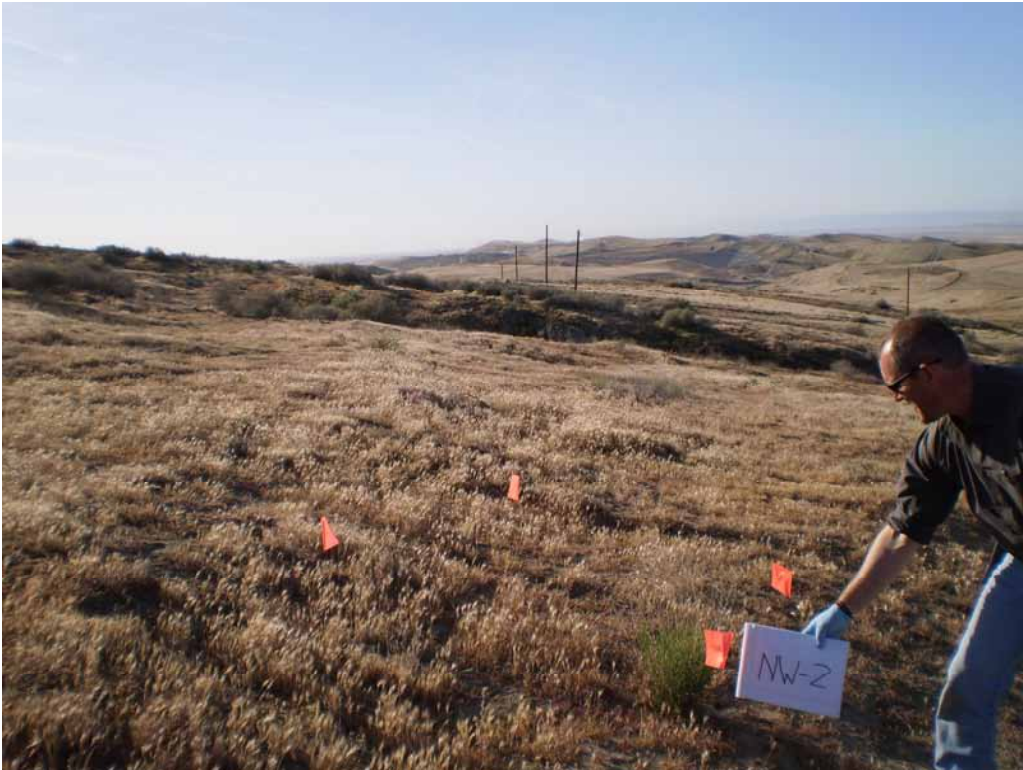
NW-01 Sampling Location
Sampled 4/1/09

35°58'39.643"N
120°01'22.646"W



NW-02 Sampling Location
Sampled 4/1/09

35°58'39.697"N
120°01'28.997"W



NW-03 Sampling Location
Sampled 4/1/09

35°58'39.614"N
120°01'35.821"W



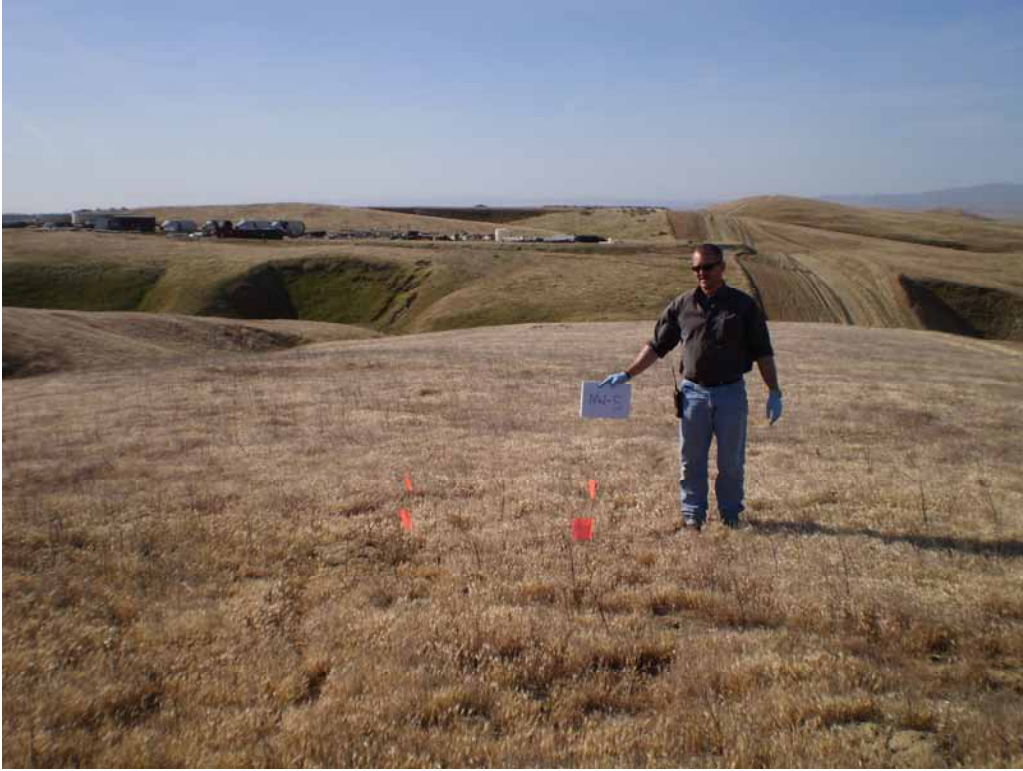
NW-04 Sampling Location
Sampled 4/1/09

35°58'39.694"N
120°01'41.569"W



NW-05 Sampling Location
Sampled 4/1/09

35°58'39.437"N
120°01'48.352"W



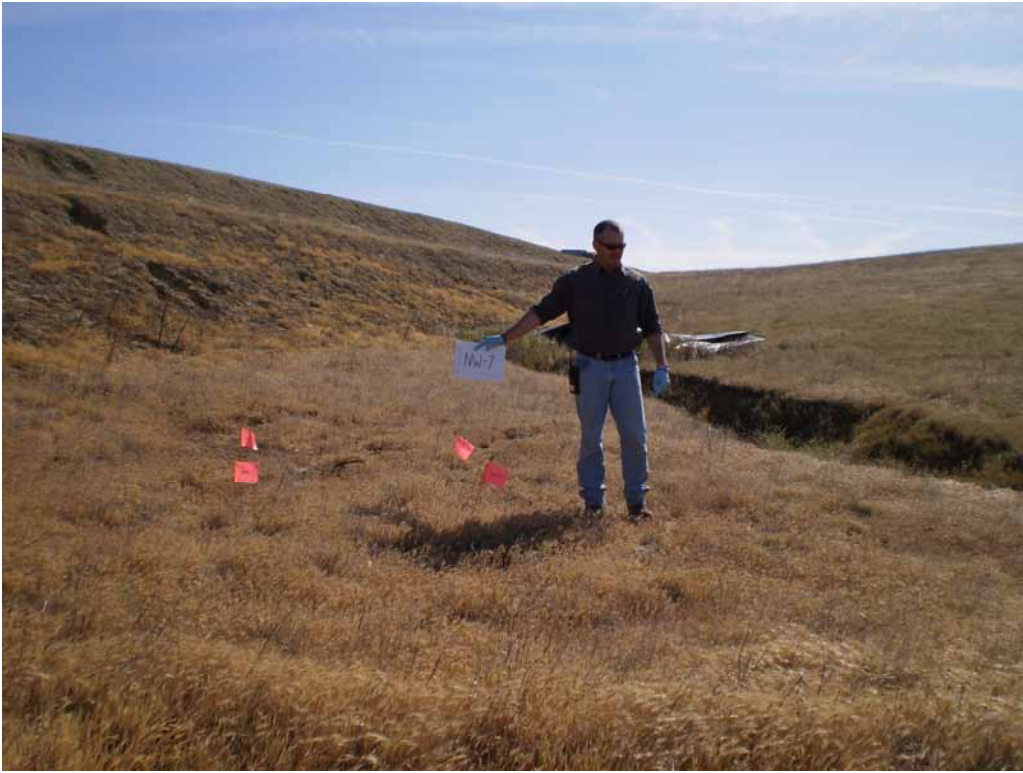
NW-06 Sampling Location
Sampled 4/1/09

35°58'37.427"N
120°01'48.972"W



NW-07 Sampling Location
Sampled 4/1/09

35°58'30.841"N
120°01'49.043"W



NW-08 Sampling Location
Sampled 4/1/09

35°58'26.872"N
120°01'48.921"W



Ecological Activity in NW Sample Area
Near NW-08



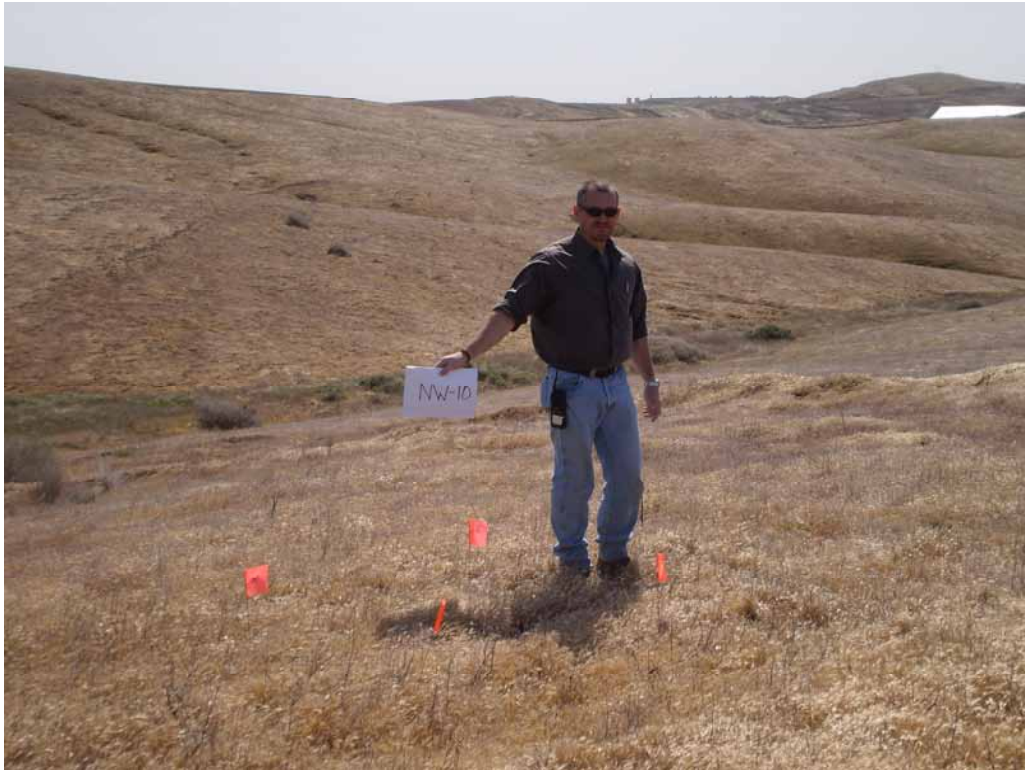
NW-09 Sampling Location
Sampled 4/1/09

35°58'21.846"N
120°01'48.983"W



NW-10 Sampling Location
Sampled 4/1/09

35°58'16.806"N
120°01'49.032"W



NE Sample Area
Sampling Photo Log
Dioxin-Like PCB Congener Study
Kettleman Hills Facility
Kings County, CA

NE-10 Sampling Location
Sampled 3/31/09

35°57'52.623"N
120°00'15.065"W



NE-09 Sampling Location
Sampled 3/31/09

35°57'57.686"N
120°00'15.208"W



NE-08 Sampling Location
Sampled 3/31/09

35°58'02.882"N
120°00'15.308"W



NE-07 Sampling Location
Sampled 3/31/09

35°58'08.023"N
120°00'15.351"W



NE-06 Sampling Location
Sampled 3/31/09

35°58'13.214"N
120°00'15.332"W



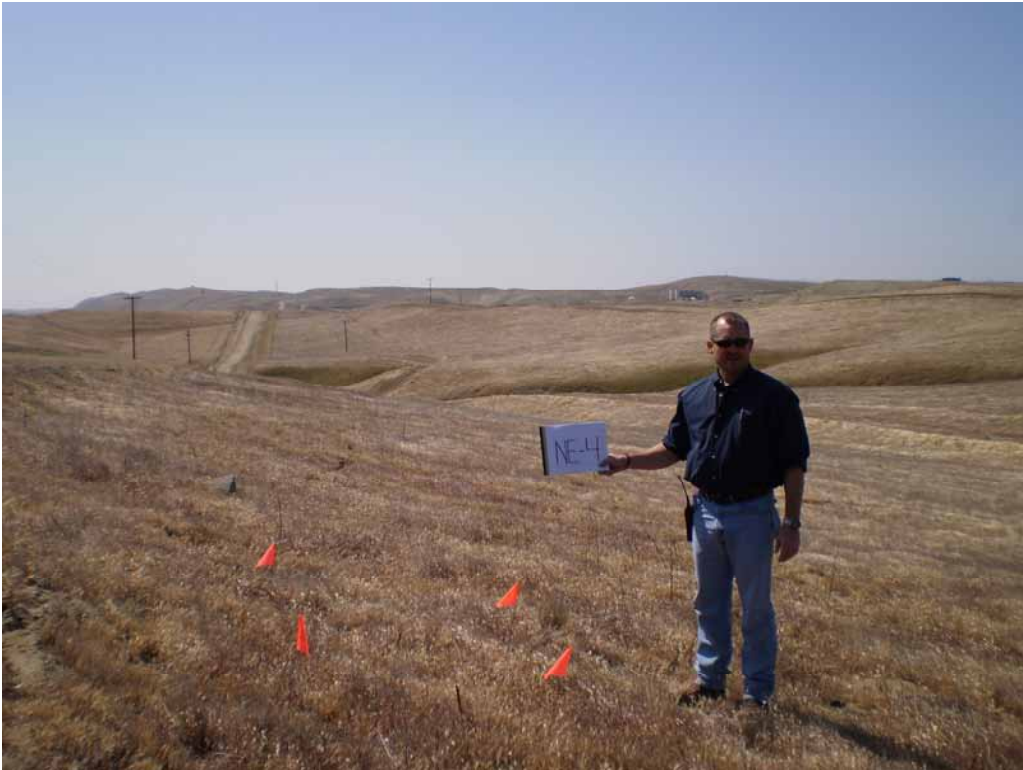
NE-05 Sampling Location
Sampled 3/31/09

35°58'18.539"N
120°00'15.390"W



NE-04 Sampling Location
Sampled 3/31/09

35°58'23.448"N
120°00'15.633"W



NE-03 Sampling Location
Sampled 3/31/09

35°58'28.321"N
120°00'15.406"W



Ecological Activity in NE Sample Area (specifically NE-03)
Outside Fence and Buffer Zone



NE-02 Sampling Location
Sampled 3/31/09

35°58'33.242"N
120°00'15.531"W



NE-01 Sampling Location
Sampled 3/31/09

35°58'34.183"N
120°00'19.432"W



Ecological Activity near Northern Property Line
Outside Fence and Buffer Zone



Ecological Activity near Northern Property Line
Outside Fence and Buffer Zone



N Sample Area
Sampling Photo Log
Dioxin-Like PCB Congener Study
Kettleman Hills Facility
Kings County, CA

N-01 Sampling Location
Sampled 3/31/09

35°58'38.033"N
120°00'23.163"W





N-02 Sampling Location
Sampled 3/31/09

35°58'40.302"N
120°00'25.804"W



N-03 Sampling Location
Sampled 3/31/09

35°58'40.353"N
120°00'31.875"W



N-04 Sampling Location
Sampled 3/31/09

35°58'0840.327"N
120°00'38.161"W



Ecological Activity in N Sample Area (specifically N-04)
Outside Fence and Buffer Zone

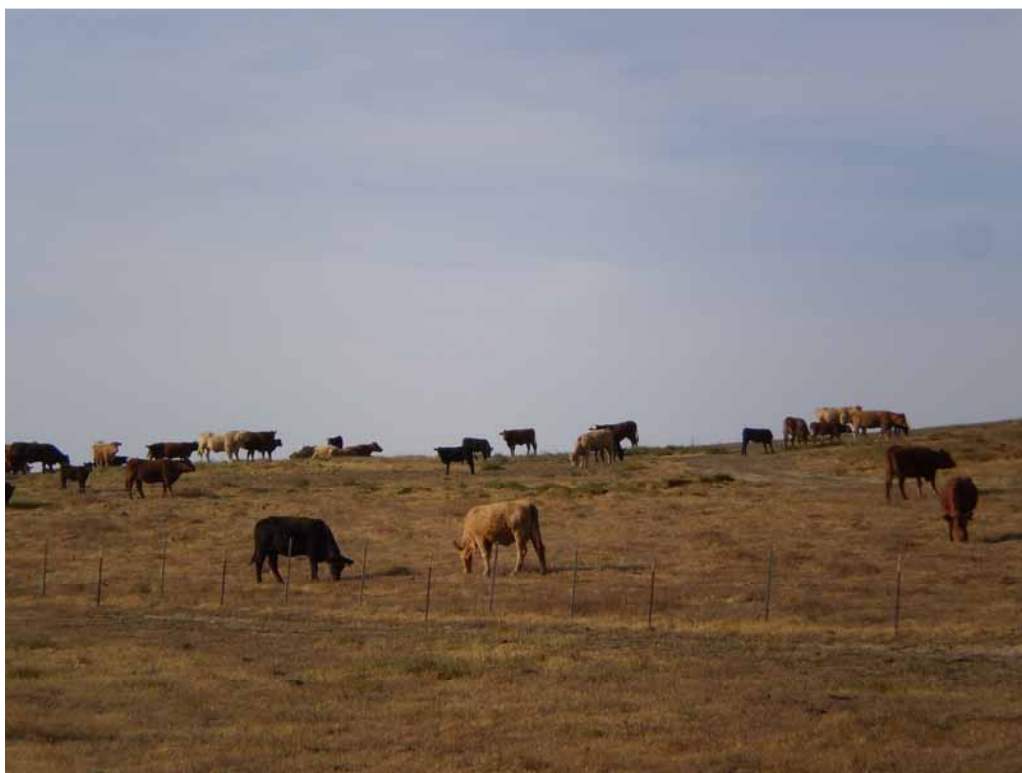


N-05 Sampling Location
Sampled 3/31/09

35°58'40.150"N
120°00'44.854"W



Ecological Activity in N Sample Area (specifically N-05)
Outside Fence and Buffer Zone



N Rinsate Sample
Sampled 3/31/09



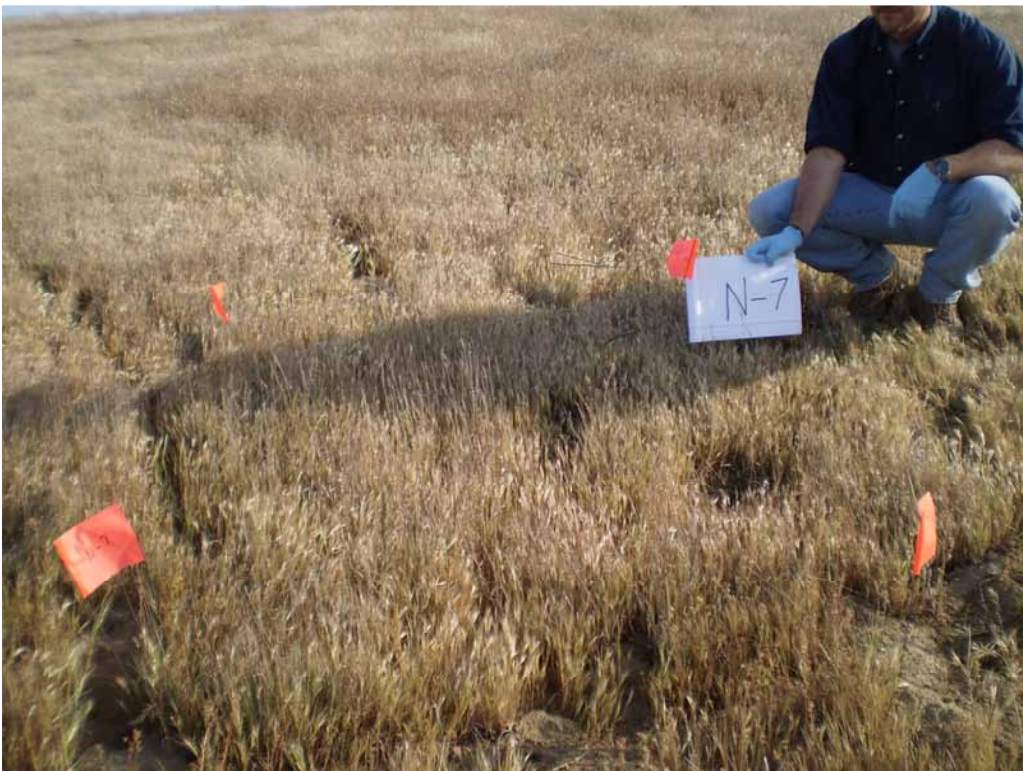
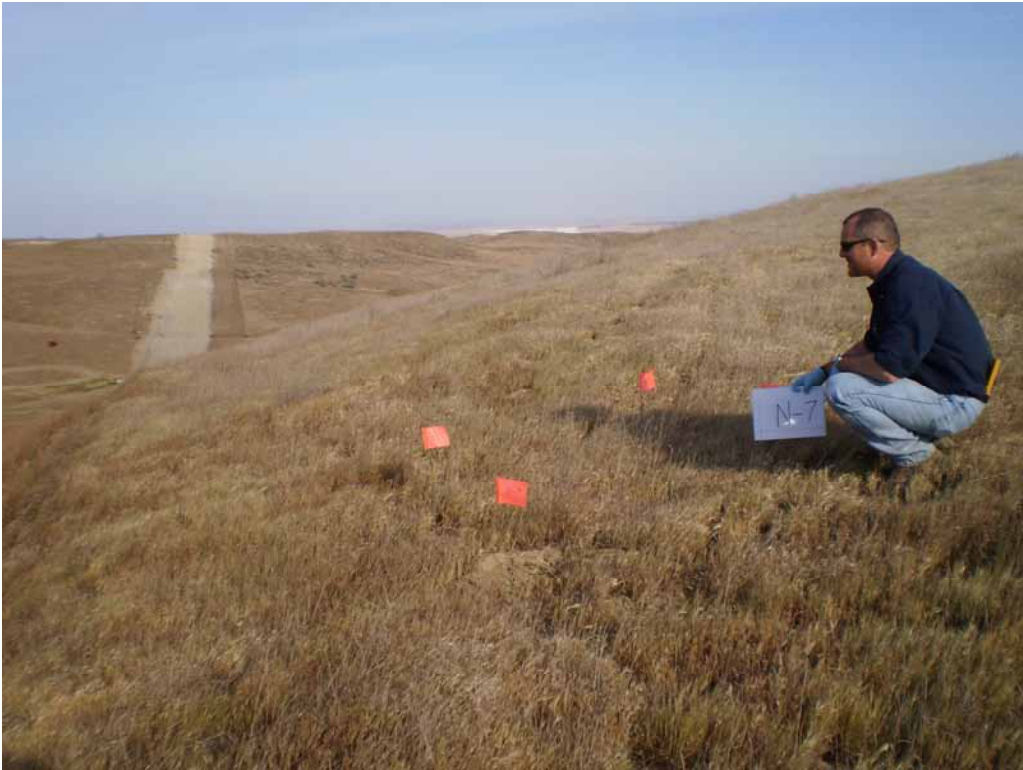
N-06 Sampling Location
Sampled 3/31/09

35°58'40.127"N
120°00'50.980"W



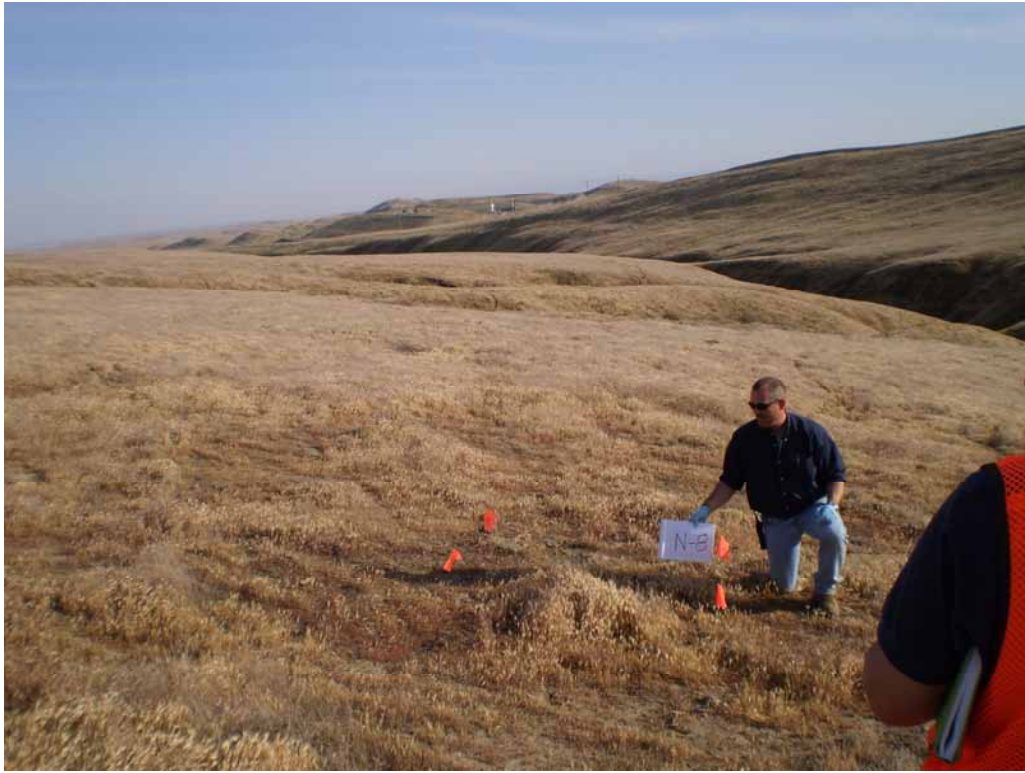
N-07 Sampling Location
Sampled 3/31/09

35°58'40.110"N
120°00'57.286"W



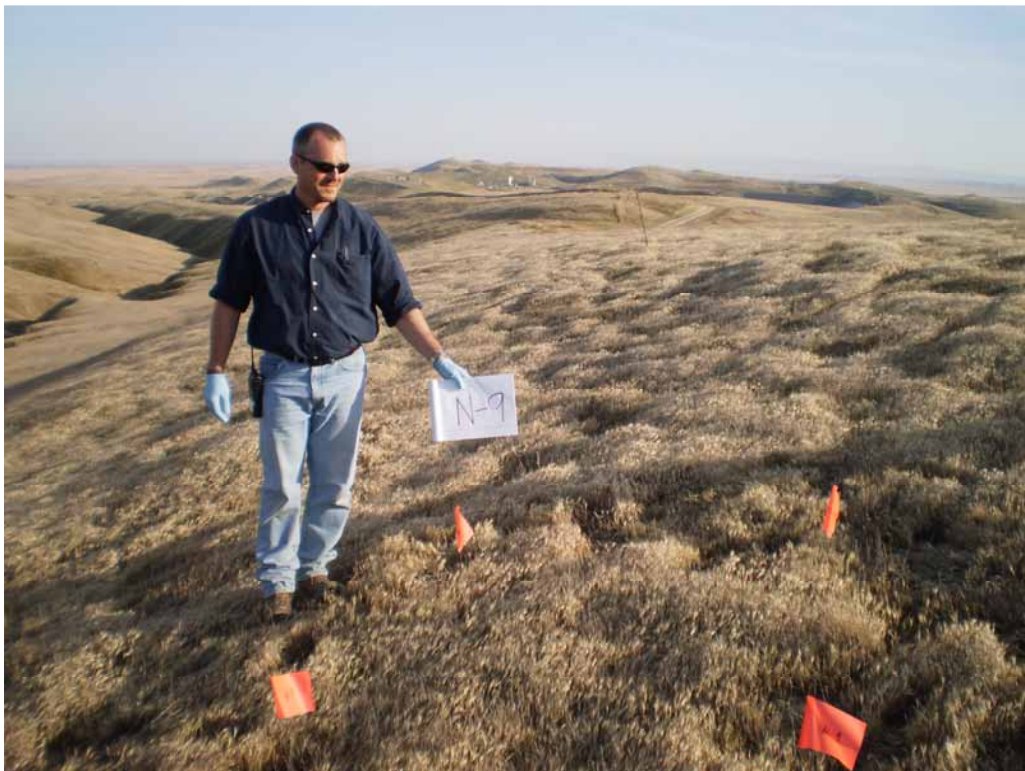
N-08 Sampling Location
Sampled 3/31/09

35°58'38.844"N
120°01'03.727"W



N-09 Sampling Location
Sampled 3/31/09

35°58'33.242"N
120°00'15.531"W



N-10 Sampling Location
Sampled 3/31/09

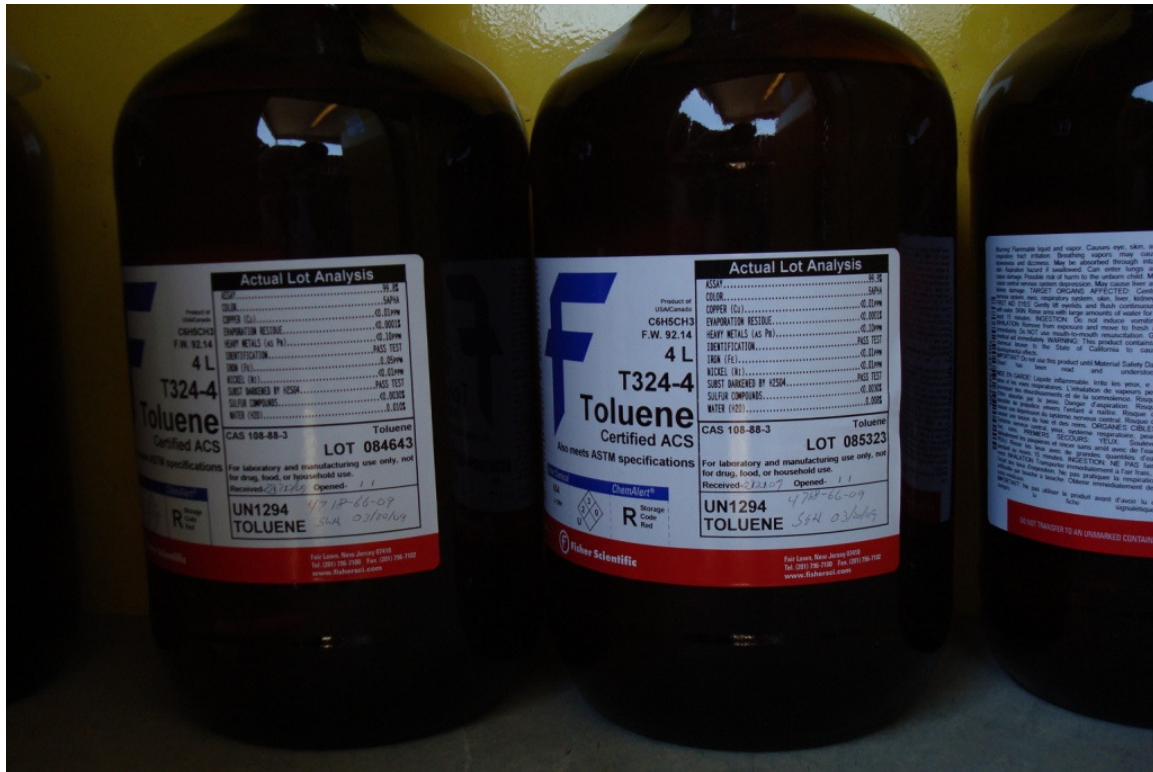
35°58'39.703"N
120°01'16.320"W



Decontamination Area
Sampling Photo Log
Dioxin-Like PCB Congener Study
Kettleman Hills Facility
Kings County, CA





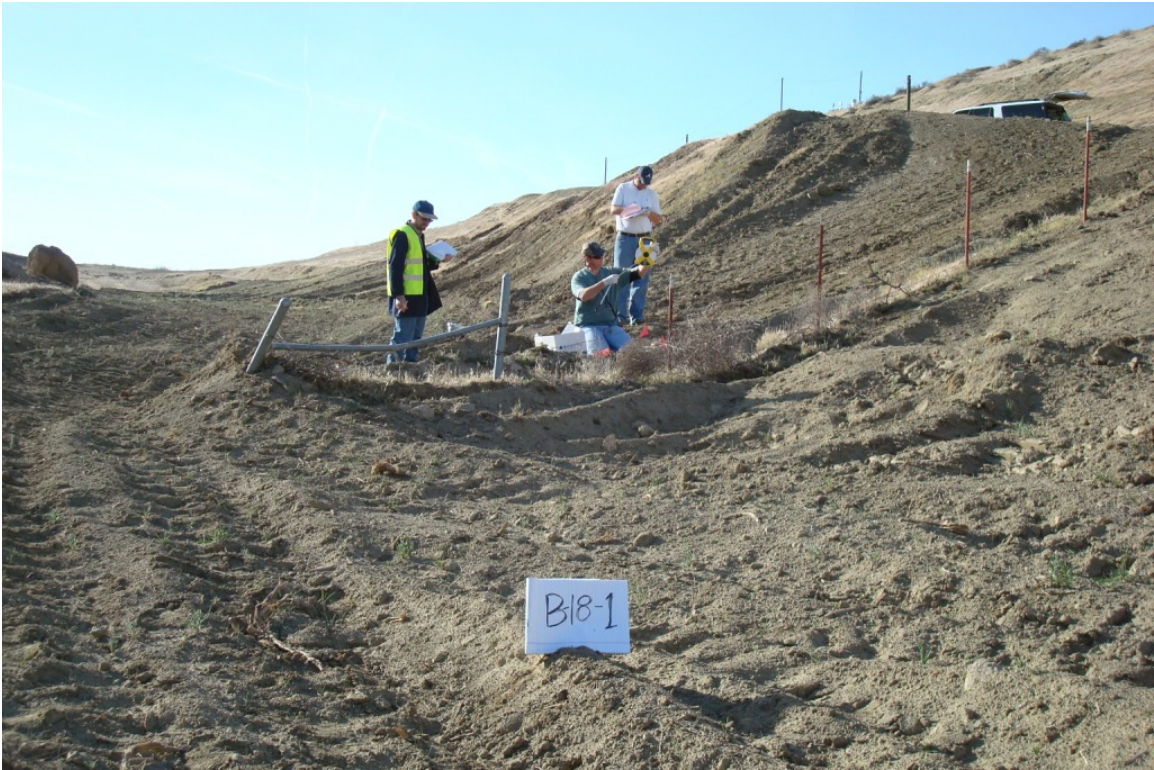




B-18 Sample Area
Sampling Photo Log
Dioxin-Like PCB Congener Study
Kettleman Hills Facility
Kings County, CA

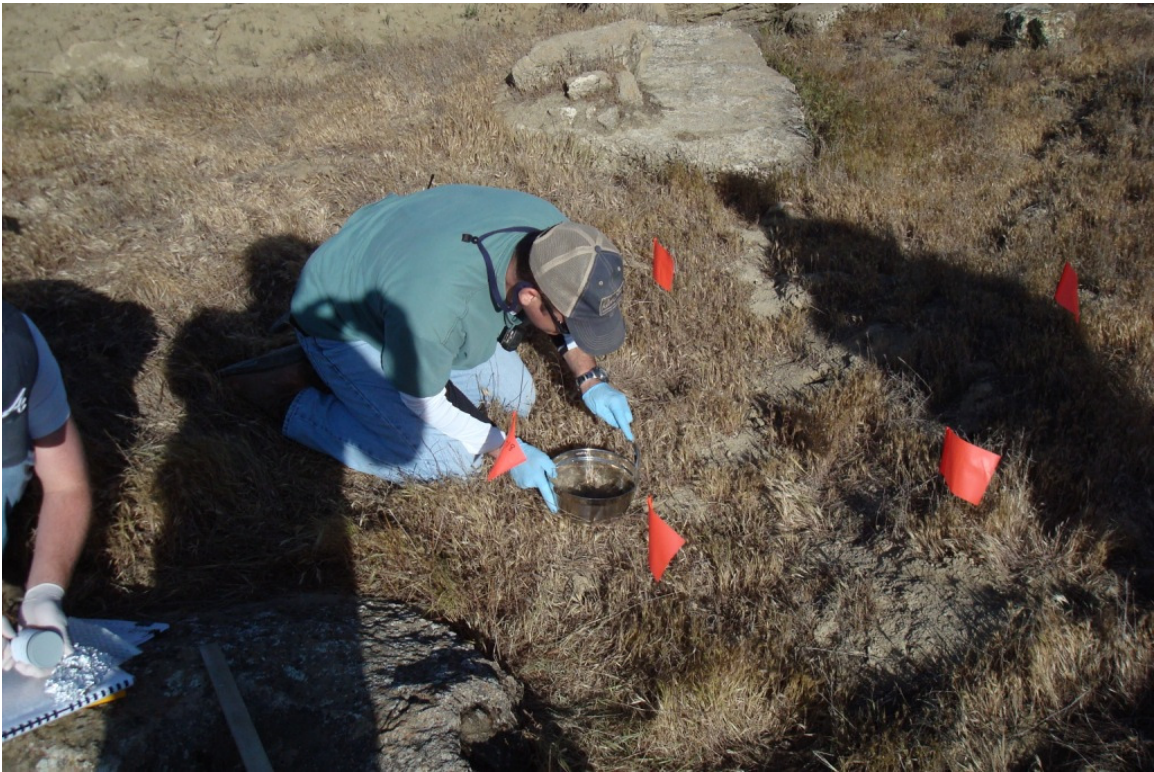
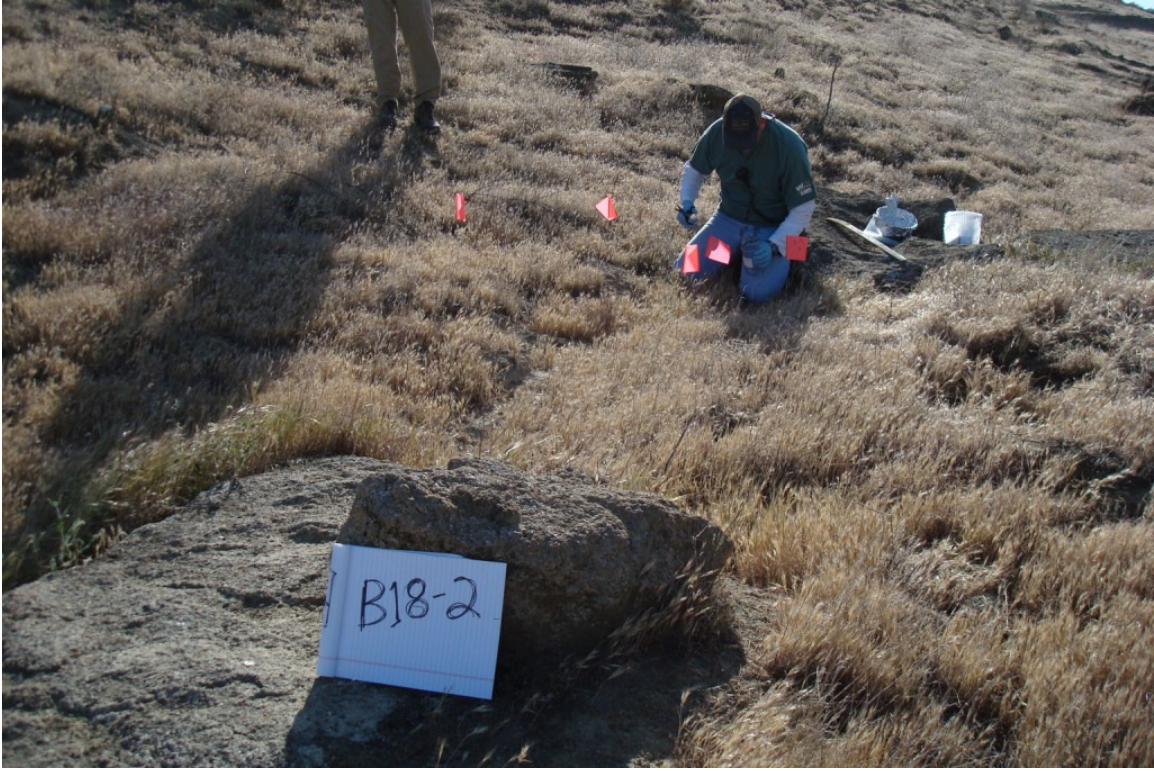
B18-01 Sampling Location
Sampled 4/1/09

35°57'13.87"N
120°00'23.02"W



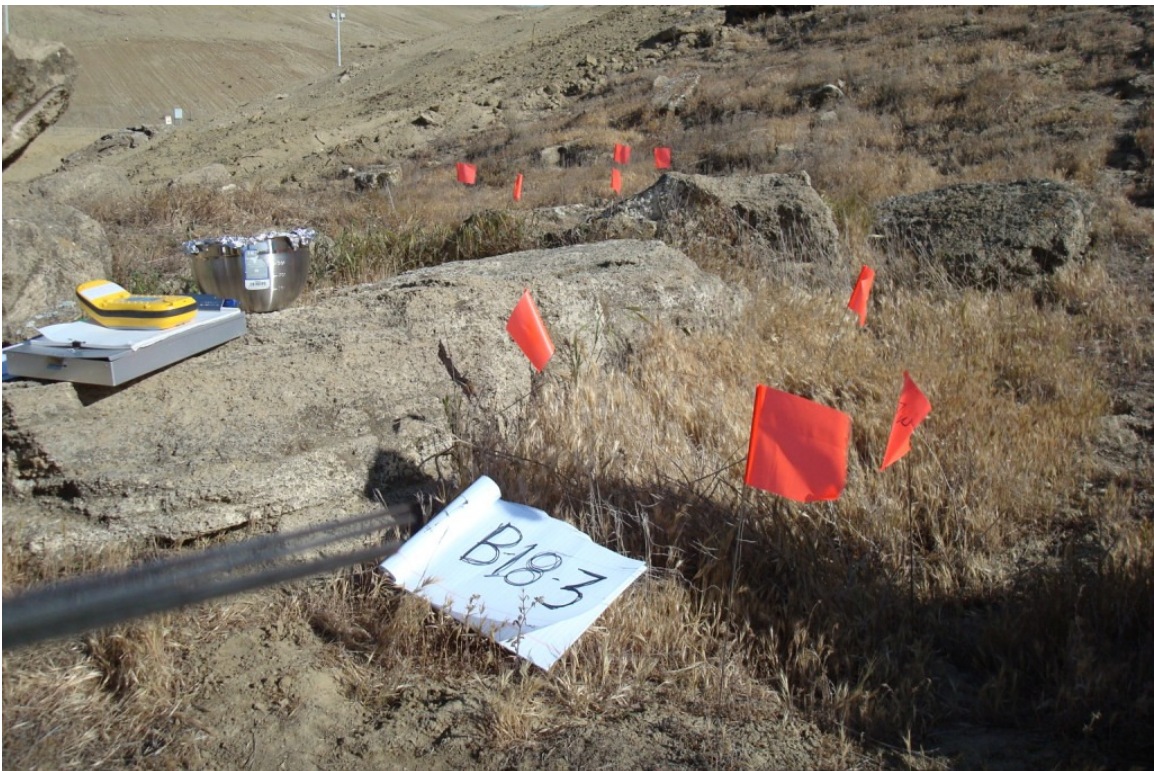
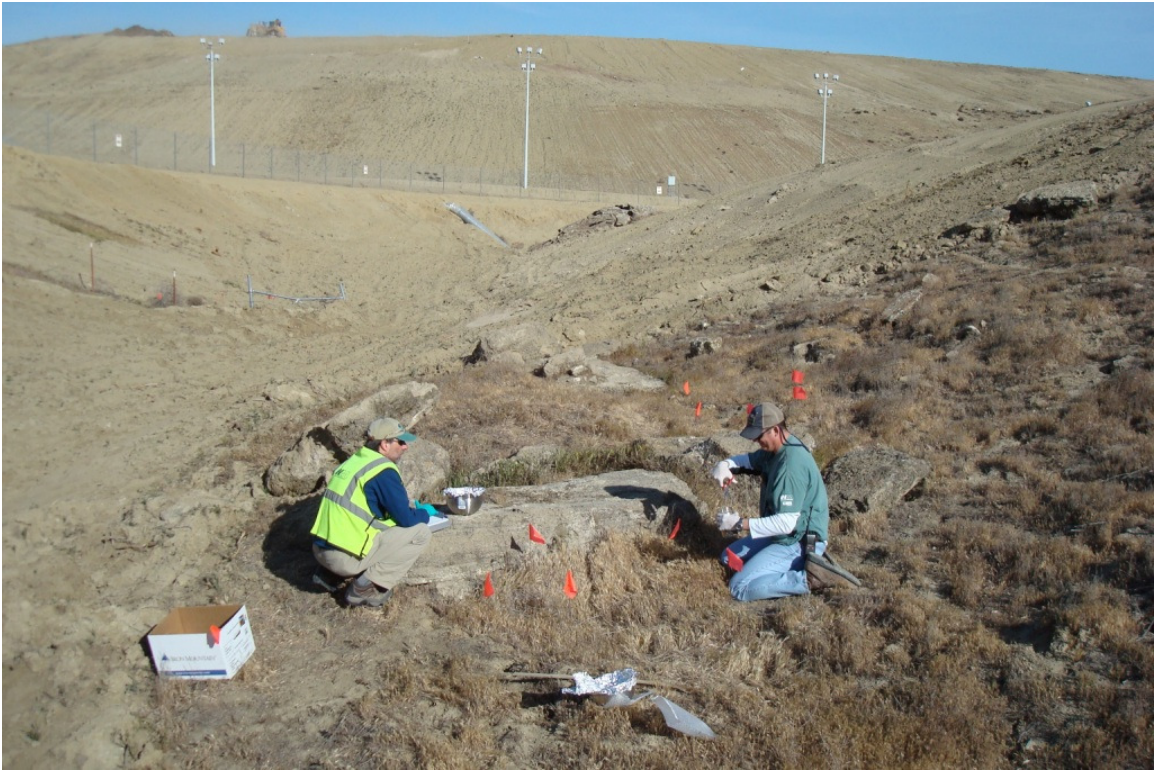
B18-02 Sampling Location
Sampled 4/1/09

35°57'13.63"N
120°00'22.26"W



B18-03 Sampling Location
Sampled 4/1/09

35°57'13.50"N
120°00'22.21"W



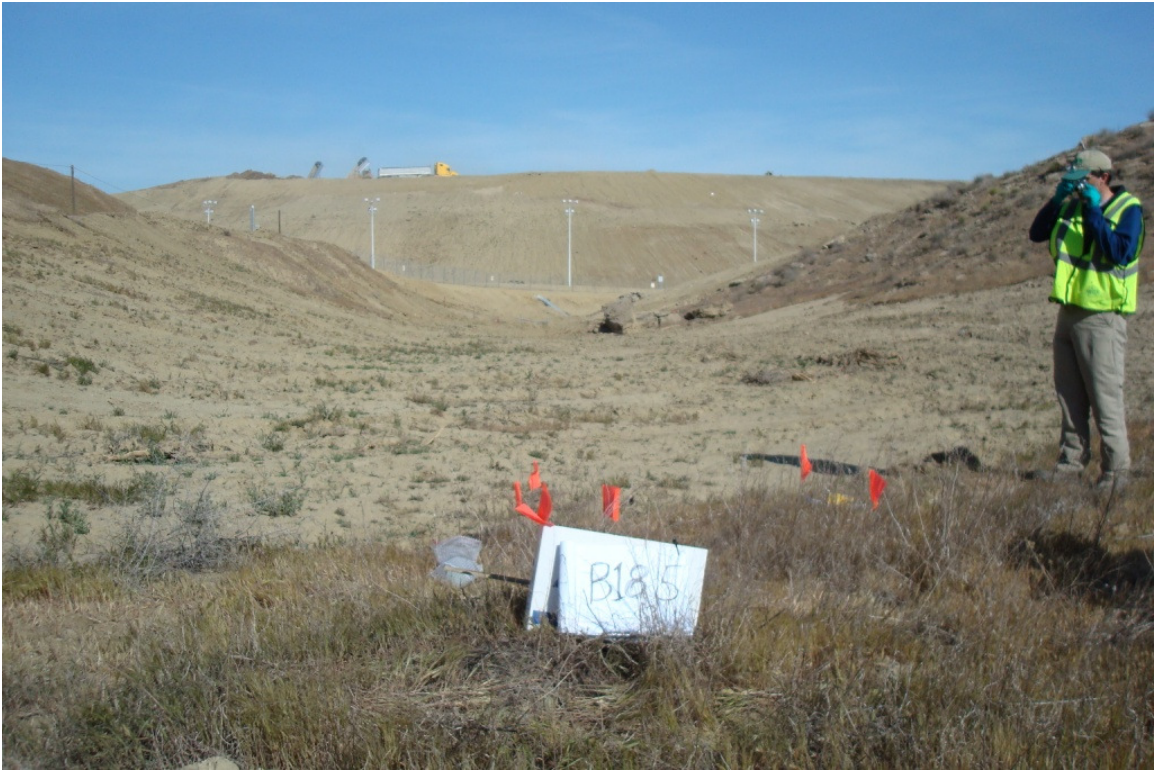
B18-04 Sampling Location
Sampled 4/1/09

35°57'13.37"N
120°00'22.10"W



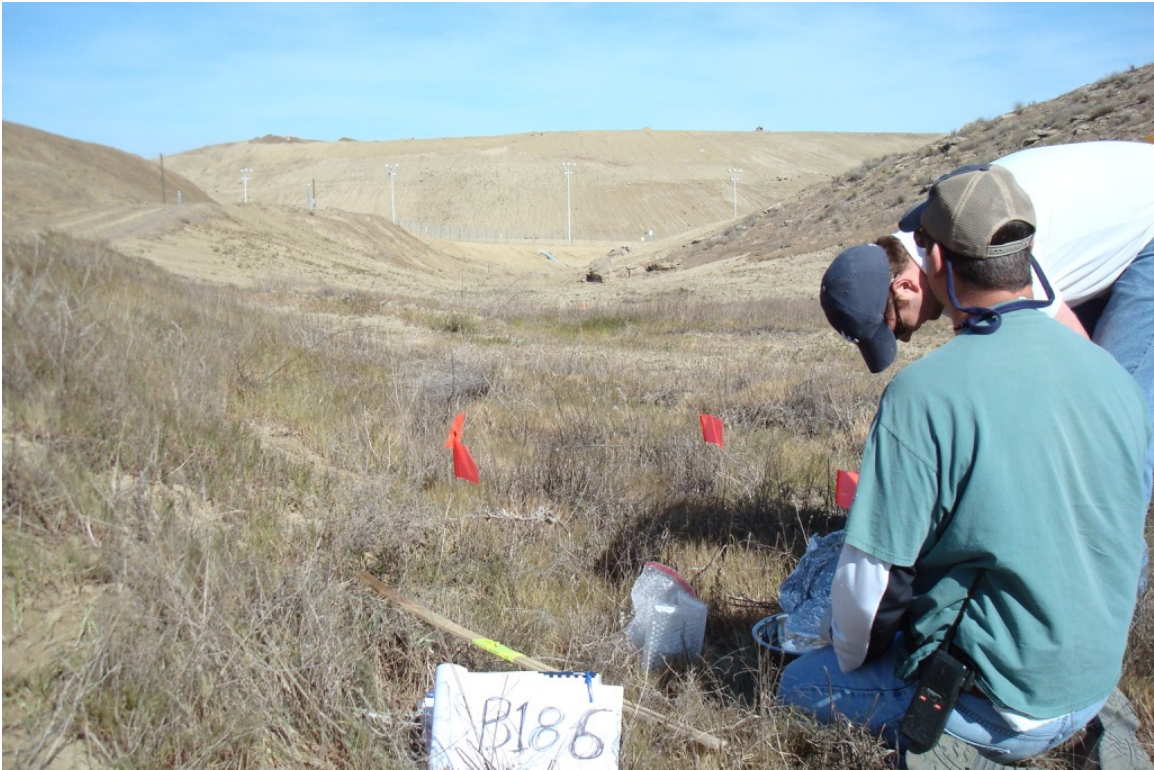
B18-05 Sampling Location
Sampled 4/1/09

35°57'11.82"N
120°00'20.71"W



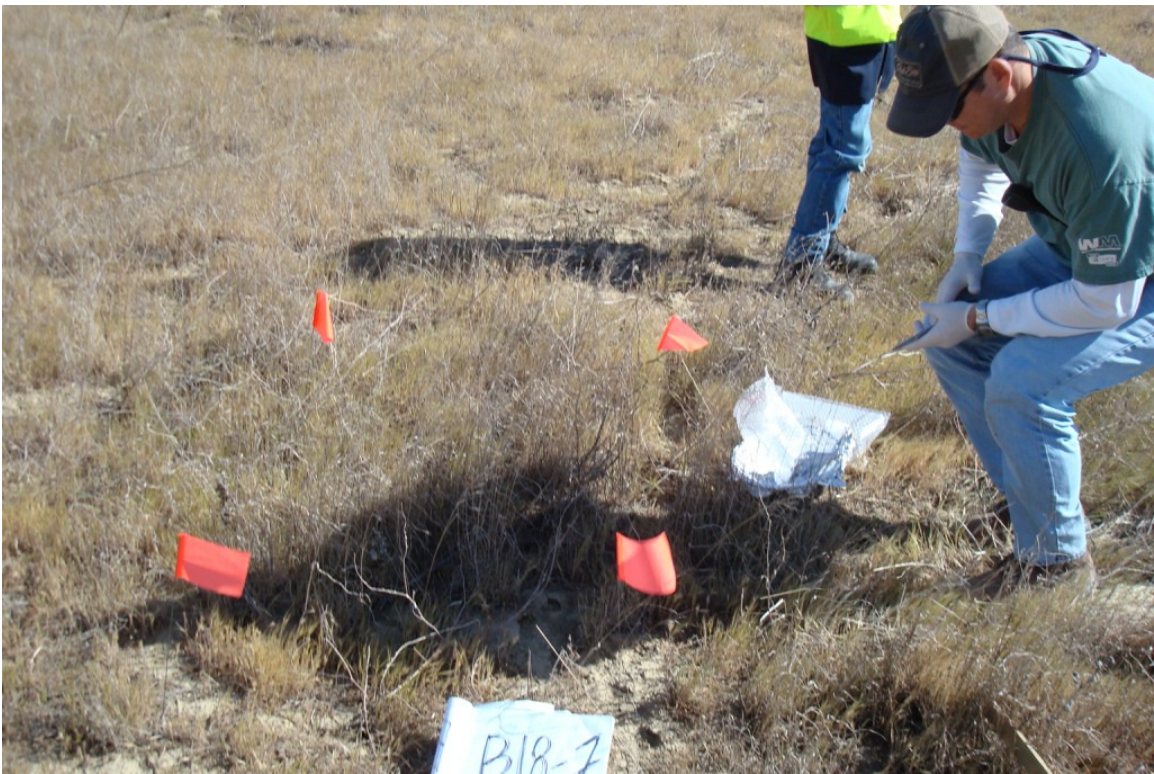
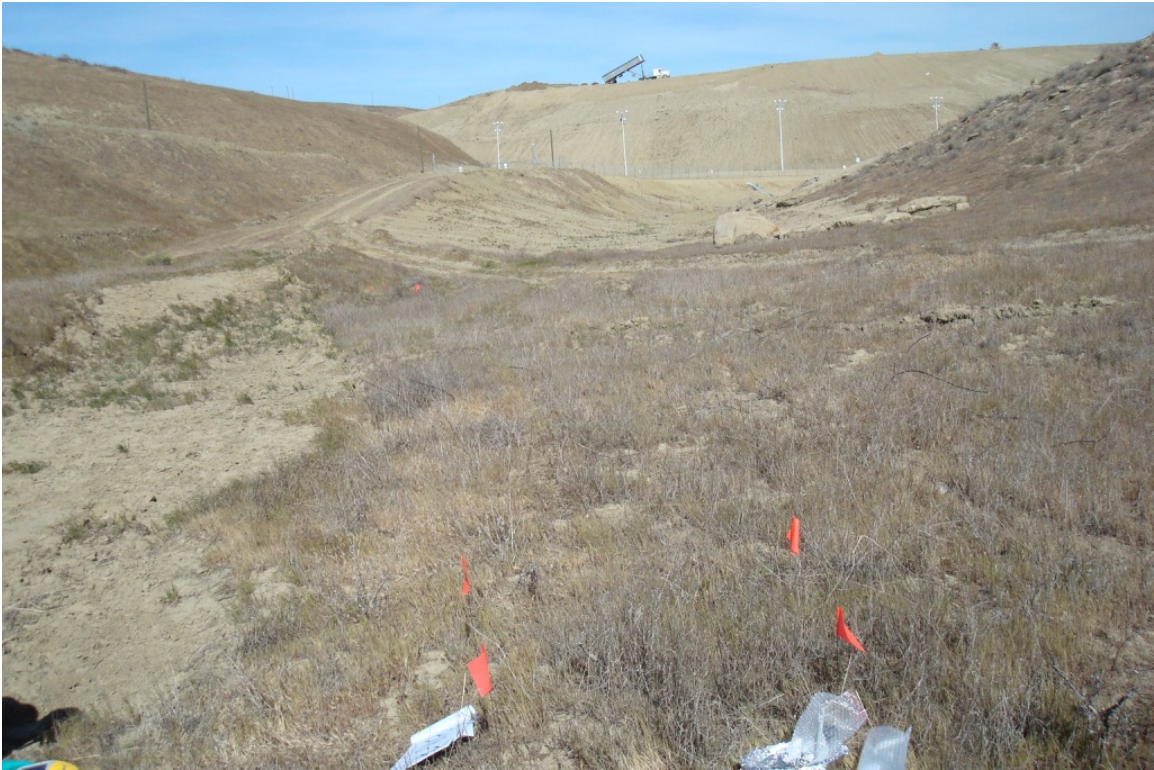
B18-06 Sampling Location
Sampled 4/1/09

35°57'11.30"N
120°00'20.15"W



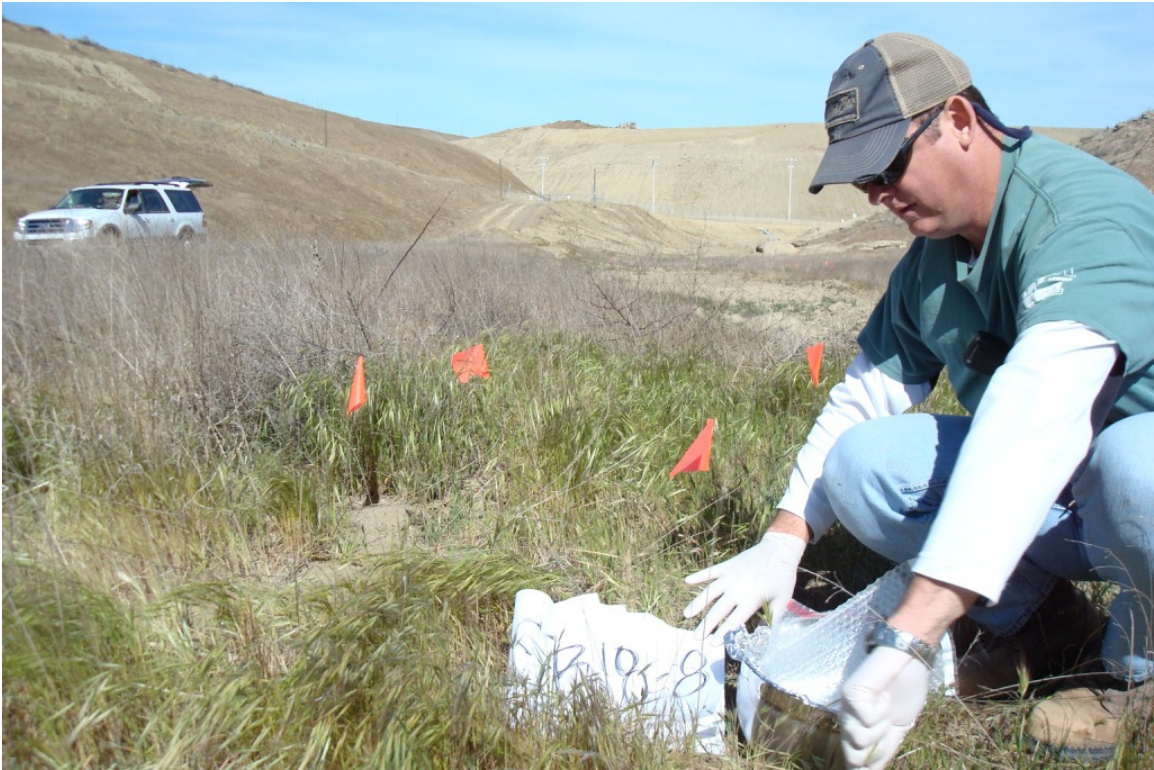
B18-07 Sampling Location
Sampled 4/1/09

35°57'10.94"N
120°00'19.29"W



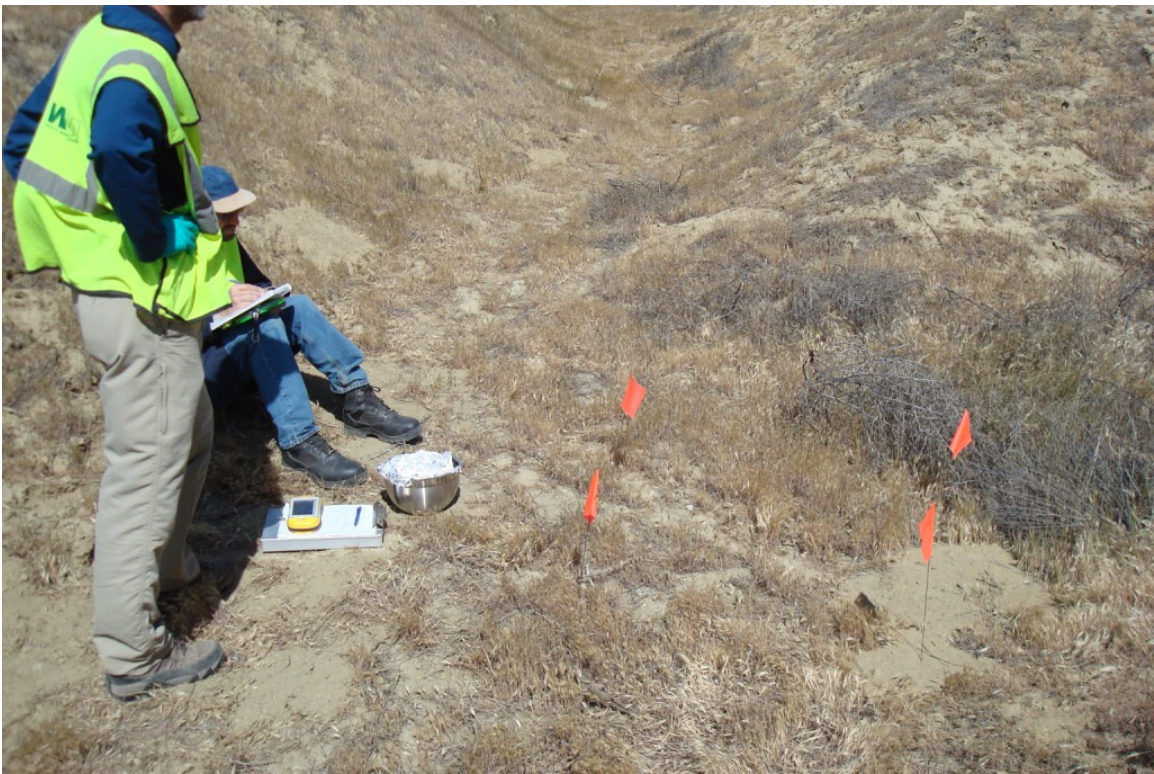
B18-08 Sampling Location
Sampled 4/1/09

35°57'10.13"N
120°00'18.47"W



B18-09 Sampling Location
Sampled 4/1/09

35°57'07.12"N
120°00'15.30"W





B18-10 Sampling Location
Sampled 4/1/09

35°57'06.50"N
120°00'14.89"W

