

US EPA ARCHIVE DOCUMENT

## FIELD DATA SHEET

21081

REAC, EDISON, NJ  
(908) 321-4200  
EPA CONTRACT 68-C4-0022

Chain of Custody No.: 01554  
REAC Task Leader: B. Forsythe  
EPA WAM: J. Camacho  
Work Assignment No.: 3428

Date: 16 Feb 99 Site Name: Centredale Manor  
Time: 0953 Sample Location: CMS-030  
Samplers: Peter Kudavauskas

## SITE DESCRIPTION

landfill old field upland palustrine  
industrial wooded lowland riverine  
commercial farmland lacustrine  
residential gully  
hedgerows floodplain

## SOIL TYPE

rock clay  
gravel muck  
sand loam  
silt peat  
color

## SURFACE WATER

color  
odor NA  
flow NA  
direction

## STREAM

width  
depth  
velocity NA cm/s  
pools %  
riffles %

## BOTTOM

rock silt  
rubble clay  
gravel NA organic  
shell other  
sand

## SAMPLE TYPE

surface water effluent  
groundwater sludge  
potable water leachate  
sediment waste  
soil other

## DEVICE

kemmerer ponar  
lower other  
bucket  
auger  
ekman

## SAMPLE INFORMATION

color  
odor NA  
temp NA  
DO  
cond

## WEATHER PARAMETERS

ambient temp  
barometric pressure  
relative humidity  
weather conditions  
tide stage Clear, cold

## ANALYSES TO BE PERFORMED

## ORGANICS

- A. halogenated & aromatic volatiles  
P. volatiles  
nhalomethanes  
D. pesticides/PCB  
E. PCB  
F. base neutral/acid extractables  
G. pesticides, drinking water  
H. herbicides, drinking water  
I. other DIOXIN

## INORGANICS

- A. metals, priority pollutant  
B. metals, NA  
C. metals scan (ICP)  
D. metals, other

## RCRA

- A. TCLP  
B. ignitability  
C. corrosivity NA pH  
D. reactivity  
E. other

## OTHER ANALYSES

- A. total cyanide  
B. total phenol  
C. petroleum hydrocarbons  
D. pH  
E. alkalinity  
F. hardness  
G. total dissolved solids  
H. total suspended solids  
I. sulfate  
J. TOC  
K. grain size  
L. percent moisture  
M. other

## CONTAINER

- glass jar  
plastic jar  
acetate core  
plastic bag  
plastic bucket  
other

## STORAGE

- wet ice  
dry ice  
ambient

## PRESERVATIVES

- HNO<sub>3</sub>  
NaOH  
Zn Acetate  
HCl  
Na<sub>2</sub>SO<sub>4</sub>  
other 4°C

## COMMENTS

## FIELD DATA SHEET

21082

REAC, EDISON, NJ  
(908) 321-4200  
EPA CONTRACT 68-C4-0022

Chain of Custody No.: 01554  
REAC Task Leader: B. Forsythe  
EPA WAM: J. Camacho  
Work Assignment No.: 3428  
Date: 16 Feb 99 Site Name: Centredale Manor  
Time: 0955 Sample Location: CMS-031  
Samplers: Pete Kudarnavskas

## SITE DESCRIPTION

landfill old field upland palustrine  
industrial wooded lowland riverine  
commercial farmland lacustrine  
residential gully  
hedgerows floodplain

## SOIL TYPE

rock clay  
gravel muck  
N loam  
sand peat  
silt  
color

## SURFACE WATER

color  
odor NA  
flow NA  
direction

## STREAM

width  
depth  
velocity NA cm/s  
pools %  
riffles %

## BOTTOM

rock silt  
rubble clay  
gravel NA organic  
shell other  
sand

## SAMPLE TYPE

surface water effluent  
groundwater sludge  
potable water leachate  
sediment waste  
soil other

## DEVICE

kemmerer ponar  
trowel other  
bucket  
auger  
ekman

## SAMPLE INFORMATION

color  
odor NA  
temp NA  
DO  
cond

## WEATHER PARAMETERS

pH  
ORP NA  
salinity NA  
sample depth  
tide stage  
ambient temp  
barometric pressure  
relative humidity  
weather conditions  
Clear, cold

## ANALYSES TO BE PERFORMED

## ORGANICS

- A. halogenated & aromatic volatiles  
B. volatiles  
C. trihalomethanes  
D. pesticides/PCB  
E. PCB  
F. base neutral/acid extractables  
G. pesticides, drinking water  
H. herbicides, drinking water  
I. other PICKIN

## INORGANICS

- A. metals, priority pollutant  
B. metals, NA  
C. metals, scan (ICP)  
D. metals, other

## OTHER ANALYSES

- A. total cyanide  
B. total phenol  
C. petroleum hydrocarbons  
D. pH  
E. alkalinity  
F. hardness NA  
G. total dissolved solids  
H. total suspended solids  
I. sulfate  
J. TOC  
K. grain size  
L. percent moisture  
M. other

## CONTAINER

glass jar  
plastic jar  
acetate core  
plastic bag  
plastic bucket  
other

## PRESERVATIVES

HNO<sub>3</sub>  
NaOH  
Zn Acetate  
HCl  
Na<sub>2</sub>SO<sub>4</sub>  
other 4°C

## STORAGE

wet ice  
dry ice  
ambient

## COMMENTS

# FIELD DATA SHEET

21247

REAC, EDISON, NJ  
(908) 321-4200  
EPA CONTRACT 68-C4-0022

Date: 15 Feb 99 18 Feb 1999  
Time: N/A  
Sample Location: CMS-32  
Site Name: Centredale Manor  
Samplers: Hallvornes, Daly, Godyne

Chain of Custody No.: N/A  
REAC Task Leader: B. Forsythe  
EPA WAM: J. Lammichio  
Work Assignment No.: 3428

| SITE DESCRIPTION  | SOIL TYPE | SURFACE WATER | STREAM    | BOTTOM |
|-------------------|-----------|---------------|-----------|--------|
| landfill          | rock      | color         | width     | rock   |
| old field         | clay      | odor          | depth     | silt   |
| upland palustrine | gravel    | flow          | velocity  | rubble |
| industrial        | muck      | direction     | pool %    | clay   |
| wooded            | sand      |               | riffles % | gravel |
| lowland riverine  | peat      |               |           | shell  |
| commercial        | color     |               |           | other  |
| farmland          |           |               |           | sand   |
| lacustrine        |           |               |           |        |
| residential       |           |               |           |        |
| gully             |           |               |           |        |
| hedgerows         |           |               |           |        |
| floodplain        |           |               |           |        |

| SAMPLE TYPE   | DEVICE   | SAMPLE INFORMATION | WEATHER PARAMETERS  |
|---------------|----------|--------------------|---------------------|
| surface water | kemmerer | color              | ambient temp        |
| effluent      | ponar    | odor               | barometric pressure |
| groundwater   | trower   | temp               | relative humidity   |
| sludge        | bucker   | DO                 | weather conditions  |
| potable water | auger    | cond               |                     |
| leachate      | ekman    |                    |                     |
| waste         |          |                    |                     |
| sediment      |          |                    |                     |
| soil          |          |                    |                     |
| other         |          |                    |                     |

## ANALYSES TO BE PERFORMED

## SAMPLE PREPARATION

### ORGANICS

- halogenated & aromatic volatiles
- volatiles
- trihalomethanes
- pesticides/PCB
- PCB
- base neutral/acid extractables
- pesticides, drinking water
- herbicides, drinking water
- other

### OTHER ANALYSES

- A. total cyanide
- B. total phenol
- C. petroleum hydrocarbons
- D. pH
- E. alkalinity
- F. hardness
- G. total dissolved solids
- H. total suspended solids
- I. sulfate
- J. TOC
- K. grain size
- L. percent moisture
- M. other

### CONTAINER

- glass jar
- plastic jar
- acetate core
- plastic bag
- plastic bucket
- other

### PRESERVATIVES

- HNO<sub>3</sub>
- NaOH
- Zn Acetate
- HCl
- Na<sub>2</sub>SO<sub>4</sub>
- other

### STORAGE

- wet ice
- dry ice
- ambient

### INORGANICS

- A. metals, priority pollutant
- B. metals, TAL
- C. metals scan (ICP)
- D. metals, other

### RCRA

- A. TCLP
- B. ignitability
- C. corrosivity pH
- D. reactivity
- E. other

### COMMENTS

In hedgerow - not sampled  
hedge was mulched and non representative

# FIELD DATA SHEET

21084

REAC, EDISON, NJ  
(908) 321-4200  
EPA CONTRACT 68-C4-0022

Date: 16 Feb 99 Time: 1010 Samplers: Pete Kudarnavskus Site Name: Centredale Manor Sample Location: CMS-033  
Chain of Custody No.: 01554 REAC Task Leader: B. Forsythe EPA WAM: J. Camacho Work Assignment No.: 3428

| SITE DESCRIPTION   |            |                   | SOIL TYPE   | SURFACE WATER | STREAM   | BOTTOM         |
|--------------------|------------|-------------------|-------------|---------------|----------|----------------|
| landfill           | old field  | upland palustrine | rock clay   | color         | width    | rock silt      |
| industrial         | wooded     | lowland riverine  | gravel muck | odor          | depth    | rubble clay    |
| commercial         | farmland   | lacustrine        | sand loam   | flow          | velocity | gravel organic |
| <u>residential</u> | gully      |                   | silt peat   | direction     | pools    | shell other    |
| hedgerows          | floodplain |                   | color       |               | riffles  | sand           |

| SAMPLE TYPE   | DEVICE   | SAMPLE INFORMATION | WEATHER PARAMETERS  |
|---------------|----------|--------------------|---------------------|
| surface water | effluent | color              | pH                  |
| groundwater   | sludge   | odor               | ORP                 |
| potable water | leachate | temp               | salinity            |
| sediment      | waste    | DO                 | sample depth        |
| <u>soil</u>   | other    | cond               | tide stage          |
|               | kemmerer |                    | ambient temp        |
|               | trowel   |                    | barometric pressure |
|               | bucket   |                    | relative humidity   |
|               | auger    |                    | weather conditions  |
|               | ekman    |                    | <u>Clear, cold</u>  |

## ANALYSES TO BE PERFORMED

### ORGANICS

- A. halogenated & aromatic volatiles
- B. volatiles
- C. trihalomethanes
- D. pesticides/PCB
- E. PCB
- F. base neutral/acid extractables
- G. pesticides, drinking water
- H. herbicides, drinking water
- I. other STAYNA

### INORGANICS

- A. metals, priority pollutant
- B. metals, TAL
- C. metals, scan (ICP)
- D. metals, other

### RCRA

- A. TCLP
- B. ignitability
- C. corrosivity
- D. reactivity
- E. other

### OTHER ANALYSES

- A. total cyanide
- B. total phenol
- C. petroleum hydrocarbons
- D. pH
- E. alkalinity
- F. hardness
- G. total dissolved solids
- H. total suspended solids
- I. sulfate
- J. TOC
- K. grain size
- L. percent moisture
- M. other

## SAMPLE PREPARATION

### CONTAINER

- glass jar
- plastic jar
- acetate core
- plastic bag
- plastic bucket
- other

### PRESERVATIVES

- HNO<sub>3</sub>
- NaOH
- Zn Acetate
- HCl
- Na<sub>2</sub>SO<sub>4</sub>
- other 7°C

### STORAGE

- wet ice
- dry ice
- ambient

## COMMENTS

## FIELD DATA SHEET

REAC, EDISON, NJ  
(908) 321-4200  
EPA CONTRACT 68-C4-0022

Chain of Custody No.: 01554  
REAC Task Leader: B. Forgythe  
EPA WAM: J. Camacho  
Work Assignment No.: 3428

Date: 16 Feb 99 Site Name: Centivada Manor  
Time: 1005 Sample Location: CMS-034  
Samplers: Peter Kudaravskas

|                    |            |                   |           |             |               |          |                |        |                   |  |
|--------------------|------------|-------------------|-----------|-------------|---------------|----------|----------------|--------|-------------------|--|
| SITE DESCRIPTION   |            |                   | SOIL TYPE |             | SURFACE WATER |          | STREAM         |        | BOTTOM            |  |
| landfill           | old field  | upland palustrine | rock      | clay        | color         | width    |                | rock   | silt              |  |
| industrial         | wooded     | lowland riverine  | gravel    | muck        | odor          | depth    |                | rubble | clay              |  |
| commercial         | farmland   | lacustrine        | sand      | <u>loam</u> | flow          | velocity | <u>NA</u> cm/s | gravel | <u>NA</u> organic |  |
| <u>residential</u> | gully      |                   | silt      | peat        | direction     | pools    | %              | shell  | other             |  |
| hedgerows          | floodplain |                   | color     |             |               | riffles  | %              | sand   |                   |  |

|               |          |  |               |       |                    |              |           |                     |  |  |
|---------------|----------|--|---------------|-------|--------------------|--------------|-----------|---------------------|--|--|
| SAMPLE TYPE   |          |  | DEVICE        |       | SAMPLE INFORMATION |              |           | WEATHER PARAMETERS  |  |  |
| surface water | effluent |  | kemmerer      | ponar | color              | pH           |           | ambient temp        |  |  |
| groundwater   | sludge   |  | <u>trowel</u> | other | odor               | ORP          |           | barometric pressure |  |  |
| potable water | leachate |  | bucket        |       | temp               | salinity     | <u>NA</u> | relative humidity   |  |  |
| sediment      | waste    |  | auger         |       | DO                 | sample depth |           | weather conditions  |  |  |
| <u>soil</u>   | other    |  | ekman         |       | cond               | tide stage   |           | <u>clear, cold</u>  |  |  |

## ANALYSES TO BE PERFORMED

## ORGANICS

- halogenated & aromatic volatiles  
B. volatiles  
C. trihalomethanes  
D. pesticides/PCB  
E. PCB  
F. base neutral/acid extractables  
G. pesticides, drinking water  
H. herbicides, drinking water  
I. other DIOXIN

## INORGANICS

- A. metals, priority pollutant  
B. metals, TAL  
C. metals scan (ICP)  
D. metals, other

## RCRA

- A. TCLP  
B. ignitability  
C. corrosivity pH  
D. reactivity  
E. other

## OTHER ANALYSES

- A. total cyanide  
B. total phenol  
C. petroleum hydrocarbons  
D. pH  
E. alkalinity  
F. hardness  
G. total dissolved solids  
H. total suspended solids  
I. sulfate  
J. TOC  
K. grain size  
L. percent moisture  
M. other

## CONTAINER

- glass jar  
plastic jar  
acetate core  
plastic bag  
plastic bucket  
other

## STORAGE

- wet ice  
dry ice  
ambient

## PRESERVATIVES

- HNO<sub>3</sub>  
NaOH  
Zn Acetate  
HCl  
Na<sub>2</sub>SO<sub>4</sub>  
other 4°C

## COMMENTS

## FIELD DATA SHEET

REAC, EDISON, NJ  
(908) 321-4200  
EPA CONTRACT 68-C4-0022

Date: 17 Feb 99 Time: 0808 Chain of Custody No.: 01561  
 Samplers: Holderness, Kadaravskas REAC Task Leader: B. Forcette  
 Site Name: Centredale Manor EPA WAM: J. Camacho  
 Sample Location: CMS-035 Work Assignment No.: 3428

| SITE DESCRIPTION   |            |                   | SOIL TYPE |      | SURFACE WATER |           | STREAM   |        | BOTTOM  |  |
|--------------------|------------|-------------------|-----------|------|---------------|-----------|----------|--------|---------|--|
| landfill           | old field  | upland palustrine | rock      | clay | color         | <u>NA</u> | width    | rock   | silt    |  |
| industrial         | wooded     | lowland riverine  | gravel    | muck | odor          | <u>NA</u> | depth    | rubble | clay    |  |
| commercial         | farmland   | lacustrine        | sand      | loam | flow          | <u>NA</u> | velocity | gravel | organic |  |
| <u>residential</u> | gully      |                   | silt      | peat | direction     |           | pool     | shell  | other   |  |
| hedgerows          | floodplain |                   | color     |      |               |           | riffles  | sand   |         |  |

  

| SAMPLE TYPE   |          | DEVICE        |       | SAMPLE INFORMATION |              | WEATHER PARAMETERS  |  |
|---------------|----------|---------------|-------|--------------------|--------------|---------------------|--|
| surface water | effluent | kemmerer      | ponar | color              | pH           | ambient temp        |  |
| groundwater   | sludge   | <u>trowel</u> | other | odor               | ORP          | barometric pressure |  |
| potable water | leachate | bucket        |       | temp               | salinity     | relative humidity   |  |
| sediment      | waste    | auger         |       | DO                 | sample depth | weather conditions  |  |
| <u>soil</u>   | other    | ekman         |       | cond               | tide stage   | <u>cloudy, cold</u> |  |

## ANALYSES TO BE PERFORMED

## ORGANICS

- A. halogenated & aromatic volatiles  
 B. volatiles  
 C. trihalomethanes  
 D. pesticides/PCB  
 E. PCB  
 F. base neutral/acid extractables  
 G. pesticides, drinking water  
 H. herbicides, drinking water  
 I. other Dioxin

## INORGANICS

- A. metals, priority pollutant  
 B. metals, not  
 C. metals scan (ICP)  
 D. metals, other

## RCRA

- A. TCLP  
 B. ignitability  
 C. corrosivity pH  
 D. reactivity  
 E. other

## OTHER ANALYSES

- A. total cyanide  
 B. total phenol  
 C. petroleum hydrocarbons  
 D. pH  
 E. alkalinity  
 F. hardness  
 G. total dissolved solids  
 H. total suspended solids  
 I. sulfate  
 J. TOC  
 K. grain size  
 L. percent moisture  
 M. other

## CONTAINER

- glass jar  
 plastic jar  
 acetate core  
 plastic bag  
 plastic bucket  
 other

## STORAGE

- wet ice  
 dry ice  
 ambient

## PRESERVATIVES

- HNO<sub>3</sub>  
 NaOH  
 Zn Acetate  
 HCl  
Na<sub>2</sub>SO<sub>4</sub>  
 other 4°C

## COMMENTS

## FIELD DATA SHEET

REAC, EDISON, NJ  
(908) 321-4200  
EPA CONTRACT 68-C4-0022

15 Feb 99  
Date: 15 Feb 99 Site Name: Centennial Manor  
Time: 10300 Sample Location: CMS-036  
Chain of Custody No.: N/A  
REAC Task Leader: B. Forsythe  
EPA WAM: J. Camacho  
Work Assignment No.: 3428

| SITE DESCRIPTION  | SOIL TYPE | SURFACE WATER | STREAM   | BOTTOM  |
|-------------------|-----------|---------------|----------|---------|
| landfill          | rock      | color         | width    | rock    |
| old field         | clay      | odor          | depth    | silt    |
| upland palustrine | gravel    | flow          | velocity | rubble  |
| industrial        | slam      | direction     | cm/s     | clay    |
| wooded            | silt      |               |          | gravel  |
| lowland riverine  | peat      |               |          | organic |
| commercial        | color     |               |          | shell   |
| farmland          |           |               |          | other   |
| lacustrine        |           |               |          | sand    |
| residential       |           |               |          |         |
| gully             |           |               |          |         |
| hedgerows         |           |               |          |         |
| floodplain        |           |               |          |         |

| SAMPLE TYPE   | DEVICE   | SAMPLE INFORMATION | WEATHER PARAMETERS  |
|---------------|----------|--------------------|---------------------|
| surface water | kemmerer | color              | ambient temp        |
| effluent      | ponar    | odor               | barometric pressure |
| groundwater   | trower   | temp               | relative humidity   |
| sludge        | bucket   | DO                 | weather conditions  |
| leachate      | auger    | cond               |                     |
| waste         | ekman    |                    |                     |
| other         |          |                    |                     |

## ANALYSES TO BE PERFORMED

## ORGANICS

- halogenated & aromatic volatiles
- B. volatiles
- C. trihalomethanes
- D. pesticides/PCB
- E. PCB
- F. base neutral/acid extractables
- G. pesticides, drinking water
- H. herbicides, drinking water
- I. other

## INORGANICS

- A. metals, priority pollutant
- B. metals, TAL
- C. metals scan (ICP)
- D. metals, other

## RCRA

- A. TCLP
- B. ignitability
- C. corrosivity pH
- D. reactivity
- E. other

## OTHER ANALYSES

- A. total cyanide
- B. total phenol
- C. petroleum hydrocarbons
- D. pH
- E. alkalinity
- F. hardness
- G. total dissolved solids
- H. total suspended solids
- I. sulfate
- J. TOC
- K. grain size
- L. percent moisture
- M. other

## SAMPLE PREPARATION

CONTAINER  
glass jar  
plastic jar  
acetate core  
plastic bag  
plastic bucket  
other

PRESERVATIVES  
HNO<sub>3</sub>  
NaOH  
Zn Acetate  
HCl  
Na<sub>2</sub>SO<sub>4</sub>  
other

STORAGE  
wet ice  
dry ice  
ambient

## COMMENTS

Location on a rip-rap bank - not sampled  
(previous sediment sample taken was not @ non-detected)

# FIELD DATA SHEET

21085

REAC, EDISON, NJ  
(908) 321-4200  
EPA CONTRACT 68-C4-0022

Date: 16 Feb 99 Site Name: Centredale Manor Chain of Custody No.: 01554  
Time: 1015 Sample Location: CMS-037 REAC Task Leader: B. Forsythe  
EPA WAM: J. Camacho  
Work Assignment No.: 3428

|                    |            |                   |           |             |               |           |          |           |        |           |
|--------------------|------------|-------------------|-----------|-------------|---------------|-----------|----------|-----------|--------|-----------|
| SITE DESCRIPTION   |            |                   | SOIL TYPE |             | SURFACE WATER |           | STREAM   |           | BOTTOM |           |
| landfill           | old field  | upland palustrine | rock      | clay        | color         |           | width    |           | rock   | silt      |
| industrial         | wooded     | lowland riverine  | gravel    | muck        | odor          | <u>NA</u> | depth    |           | rubble | clay      |
| commercial         | farmland   | lacustrine        | sand      | <u>loam</u> | flow          |           | velocity | <u>NA</u> | gravel | <u>NA</u> |
| <u>residential</u> | gully      |                   | silt      | peat        | direction     |           | pools    | %         | shell  | other     |
| hedgerows          | floodplain |                   | color     |             |               |           | riffles  | %         | sand   |           |

|               |          |               |       |                    |           |                    |                     |
|---------------|----------|---------------|-------|--------------------|-----------|--------------------|---------------------|
| SAMPLE TYPE   |          | DEVICE        |       | SAMPLE INFORMATION |           | WEATHER PARAMETERS |                     |
| surface water | effluent | kemmerer      | ponar | color              |           | pH                 | ambient temp        |
| groundwater   | sludge   | <u>trowel</u> | other | odor               | <u>NA</u> | ORP                | barometric pressure |
| potable water | leachate | bucket        |       | temp               | <u>NA</u> | salinity           | relative humidity   |
| sediment      | waste    | auger         |       | DO                 |           | sample depth       | weather conditions  |
| <u>soil</u>   | other    | ekman         |       | cond               |           | tide stage         | <u>Clear, cold</u>  |

## ANALYSES TO BE PERFORMED

### ORGANICS

- A. halogenated & aromatic volatiles
- B. volatiles
- C. trihalomethanes
- D. pesticides/PCB
- E. PCB
- F. base neutral/acid extractables
- G. pesticides, drinking water
- H. herbicides, drinking water
- I. other Dioxin

### INORGANICS

- A. metals, priority pollutant
- B. metals, TAA
- C. metals, local (PCP)
- D. metals, other

### OTHER ANALYSES

- A. total cyanide
- B. total phenol
- C. petroleum hydrocarbons
- D. pH
- E. alkalinity
- F. hardness
- G. total dissolved solids
- H. total suspended solids
- I. sulfate
- J. TOC
- K. grain size
- L. percent moisture
- M. other

### CONTAINER

- glass jar
- plastic jar
- acetate core
- plastic bag
- plastic bucket
- other

### STORAGE

- wet ice
- dry ice
- ambient

### PRESERVATIVES

- HNO<sub>3</sub>
- NaOH
- Zn Acetate
- HCl
- Na<sub>2</sub>SO<sub>4</sub>
- other 4%

### RCRA

- A. TCLP
- B. ignitability
- C. corrosivity NA pH
- D. reactivity
- E. other

### COMMENTS

In corner of sidewalk by exit door.

## FIELD DATA SHEET

REAC, EDISON, NJ  
(908) 321-4200  
EPA CONTRACT 68-C4-0022

Date: 1/2/99 Time: 1025 Samplers: Pete Kudrauskas  
Site Name: Centredale Manor Sample Location: CMS-038  
Chain of Custody No.: 01554  
REAC Task Leader: B. Forsythe  
EPA WAM: J. Camacho  
Work Assignment No.: 3428

| SITE DESCRIPTION   |            |                   | SOIL TYPE |             | SURFACE WATER |           | STREAM   |                | BOTTOM |         |
|--------------------|------------|-------------------|-----------|-------------|---------------|-----------|----------|----------------|--------|---------|
| landfill           | old field  | upland palustrine | rock      | clay        | color         |           | width    |                | rock   | silt    |
| industrial         | wooded     | lowland riverine  | gravel    | muck        | odor          | <u>NA</u> | depth    | <u>NA</u>      | rubble | clay    |
| commercial         | farmland   | lacustrine        | sand      | <u>loam</u> | flow          | <u>NA</u> | velocity | <u>NA</u> cm/s | gravel | organic |
| <u>residential</u> | gully      |                   | silt      | peat        | direction     |           | pools    | %              | shell  | other   |
| hedgerows          | floodplain |                   | color     |             |               |           | riffles  | %              | sand   |         |

  

| SAMPLE TYPE   |          | DEVICE        |       | SAMPLE INFORMATION |              | WEATHER PARAMETERS  |                    |
|---------------|----------|---------------|-------|--------------------|--------------|---------------------|--------------------|
| surface water | effluent | kemmerer      | ponar | color              | pH           | ambient temp        |                    |
| groundwater   | sludge   | <u>trowel</u> | other | odor               | ORP          | barometric pressure | <u>NA</u>          |
| potable water | leachate | bucket        |       | temp               | salinity     | relative humidity   | <u>NA</u>          |
| sediment      | waste    | auger         |       | DO                 | sample depth | weather conditions  | <u>Clear, cold</u> |
| <u>soil</u>   | other    | ekman         |       | cond               | tide stage   |                     |                    |

## ANALYSES TO BE PERFORMED

## ORGANICS

- A. halogenated & aromatic volatiles  
B. volatiles  
C. trihalomethanes  
D. pesticides/PCB  
E. PCB  
F. base neutral/acid extractables  
G. pesticides, drinking water  
H. herbicides, drinking water  
I. other DICHLIN

## INORGANICS

- A. metals, priority pollutant  
B. metals, TAA  
C. metals, spec (ICP)  
D. metals, other

## RCRA

- A. TCLP  
B. ignitability  
C. corrosivity NA pH  
D. reactivity  
E. other

## OTHER ANALYSES

- A. total cyanide  
B. total phenol  
C. petroleum hydrocarbons  
D. pH  
E. alkalinity  
F. hardness  
G. total dissolved solids  
H. total suspended solids  
I. sulfate  
J. TOC  
K. grain size  
L. percent moisture  
M. other

## CONTAINER

- glass jar  
plastic jar  
acetate core  
plastic bag  
plastic bucket  
other

## STORAGE

- wet ice  
dry ice  
ambient

## PRESERVATIVES

- HNO<sub>3</sub>  
NaOH  
Zn Acetate  
HCl  
Na<sub>2</sub>SO<sub>4</sub>  
other 4°C

## COMMENTS

# FIELD DATA SHEET

21249

REAC, EDISON, NJ  
(908) 321-4200  
EPA CONTRACT 68-C4-0022

Date: 15 Feb 99 Site Name: Centerville Manor Chain of Custody No.: NA  
Time: N/A Sample Location: CMS-039 REAC Task Leader: B. Forsythe  
EPA WAM: J. Camacho  
Work Assignment No.: 3428

| SITE DESCRIPTION |            |                   | SOIL TYPE | SURFACE WATER | STREAM        | BOTTOM         |
|------------------|------------|-------------------|-----------|---------------|---------------|----------------|
| landfill         | old field  | upland palustrine | rock clay | color         | width         | rock silt      |
| industrial       | wooded     | lowland riverine  | gravel    | odor          | depth         | rubble clay    |
| commercial       | farmland   | lacustrine        | sand loam | flow          | velocity cm/s | gravel organic |
| residential      | gully      |                   | silt peat | direction     | pools %       | shell other    |
| hedgerows        | floodplain |                   | color     |               | riffles %     | sand           |

| SAMPLE TYPE   | DEVICE   | SAMPLE INFORMATION | WEATHER PARAMETERS  |
|---------------|----------|--------------------|---------------------|
| surface water | kemmerer | color              | ambient temp        |
| groundwater   | trowel   | odor               | barometric pressure |
| potable water | bucket   | temp               | relative humidity   |
| sediment      | auger    | DO                 | weather conditions  |
| soil          | ekman    | cond               | tide stage          |

| ANALYSES TO BE PERFORMED            | OTHER ANALYSES            | SAMPLE PREPARATION | PRESERVATIVES                   |
|-------------------------------------|---------------------------|--------------------|---------------------------------|
| ORGANICS                            | A. total cyanide          | CONTAINER          | HNO <sub>3</sub>                |
| A. halogenated & aromatic volatiles | B. total phenol           | glass jar          | NaOH                            |
| B. volatiles                        | C. petroleum hydrocarbons | plastic jar        | Zn Acetate                      |
| C. trihalomethanes                  | D. pH                     | acetate core       | HCl                             |
| D. pesticides/PCB                   | E. alkalinity             | plastic bag        | Na <sub>2</sub> SO <sub>4</sub> |
| E. PCB                              | F. hardness               | plastic bucket     | other                           |
| F. base neutral/acid extractables   | G. total dissolved solids | other              |                                 |
| G. pesticides, drinking water       | H. total suspended solids |                    |                                 |
| H. herbicides, drinking water       | I. sulfate                | STORAGE            |                                 |
| I. other                            | J. TOC                    | wet ice            |                                 |
| INORGANICS                          | K. grain size             | dry ice            |                                 |
| A. metals, priority pollutant       | L. percent moisture       | ambient            |                                 |
| B. metals, TAL                      | M. other                  |                    |                                 |
| C. metals scan (ICP)                |                           |                    |                                 |
| D. metals, other                    |                           |                    |                                 |

RCRA

A. TCLP

B. ignitability

C. corrosivity pH

D. reactivity

E. other

COMMENTS:

Located on rip rap bank - not sampled  
(previous sediment sample taken was non-detect)

21153

Date: 15 Feb 99 Time: N/A Samplers: Hadderness, Daly, Gedyne  
Site Name: Central Station Sample Location: CMS-040  
Chain of Custody No.: N/A REAC Task Leader: B. Forsythe  
EPA WAM: V. Camacho Work Assignment No.: 3428

| SITE DESCRIPTION |            |                   | SOIL TYPE   | SURFACE WATER | STREAM   | BOTTOM |         |
|------------------|------------|-------------------|-------------|---------------|----------|--------|---------|
| landfill         | old field  | upland palustrine | rock clay   | color         | width    | rock   | silt    |
| industrial       | wooded     | lowland riverine  | gravel muck | odor          | depth    | rubble | clay    |
| commercial       | farmland   | lacustrine        | sand loam   | flow          | velocity | gravel | organic |
| residential      | gully      |                   | silt peat   | direction     | pools    | shell  | other   |
| hedgerows        | floodplain |                   | color       |               | riffles  | sand   |         |

| SAMPLE TYPE   |          | DEVICE   | SAMPLE INFORMATION |              | WEATHER PARAMETERS  |  |
|---------------|----------|----------|--------------------|--------------|---------------------|--|
| surface water | effluent | kemmerer | color              | pH           | ambient temp        |  |
| groundwater   | sludge   | trowel   | odor               | ORP          | barometric pressure |  |
| potable water | leachate | bucket   | temp               | salinity     | relative humidity   |  |
| sediment      | waste    | auger    | DO                 | sample depth | weather conditions  |  |
| soil          | other    | ekman    | cond               | tide stage   |                     |  |

## SAMPLE PREPARATION

ORGANICS  
halogenated & aromatic volatiles.

a. volatiles

C. trihalomethanes

D. pesticides/PCB

E. PCB

F. base neutral/acid extractables

G. pesticides, drinking water

H. herbicides, drinking water

I. other \_\_\_\_\_

**INORGANICS**  
**A. metals, priority pollutant**  
**B. metals, TAL**  
**C. metals scan (ICP)**  
**D. metals, other \_\_\_\_\_**

RCRA  
A. TCLP  
B. ignitability  
C. corrosivity \_\_\_\_\_ pH \_\_\_\_\_  
D. reactivity  
E. other \_\_\_\_\_

**OTHER ANALYSES**

- A. total cyanide
- B. total phenol
- C. petroleum hydrocarbons
- D. pH
- E. alkalinity
- F. hardness
- G. total dissolved solids
- H. total suspended solids
- I. sulfate
- J. TOC
- K. grain size
- L. percent moisture
- M. other \_\_\_\_\_

|                |      |                                 |
|----------------|------|---------------------------------|
| CONTAINER      |      | PRESERVATIVES                   |
| glass jar      |      | HNO <sub>3</sub>                |
| plastic jar    | NaOH |                                 |
| acetate core   |      | Zn Acetate                      |
| plastic bag    |      | HCl                             |
| plastic bucket |      | Na <sub>2</sub> SO <sub>4</sub> |
| other          |      | other _____                     |

**STORAGE**  
wet ice  
dry ice  
ambient

COMMENTS

NTS Located within northern building - not sampled

# FIELD DATA SHEET

21087

REAC, EDISON, NJ  
(908) 321-4200  
EPA CONTRACT 68-C4-0022

Date: 16 Feb 99 Site Name: Centredale Manor Chain of Custody No.: 01555  
Time: 1035 Sample Location: CMS-041 MS/MSD REAC Task Leader: B. Forsythe  
EPA WAM: J. Camacho Work Assignment No.: 3428

| SITE DESCRIPTION   |            |                   | SOIL TYPE |      | SURFACE WATER |           | STREAM   |           | BOTTOM |         |
|--------------------|------------|-------------------|-----------|------|---------------|-----------|----------|-----------|--------|---------|
| landfill           | old field  | upland palustrine | rock      | clay | color         |           | width    |           | rock   | silt    |
| industrial         | wooded     | lowland riverine  | gravel    | muck | odor          | <u>NA</u> | depth    | <u>NA</u> | rubble | clay    |
| commercial         | farmland   | lacustrine        | sand      | loam | flow          | <u>NA</u> | velocity | <u>NA</u> | gravel | organic |
| <u>residential</u> | gully      |                   | silt      | peat | direction     |           | pools    | %         | shell  | other   |
| hedgerows          | floodplain |                   | color     |      |               |           | riffles  | %         | sand   |         |

| SAMPLE TYPE   |          | DEVICE      |       | SAMPLE INFORMATION |           | WEATHER PARAMETERS |                     |
|---------------|----------|-------------|-------|--------------------|-----------|--------------------|---------------------|
| surface water | effluent | kemmerer    | ponar | color              |           | pH                 | ambient temp        |
| groundwater   | sludge   | <u>howe</u> | other | odor               |           | ORP                | barometric pressure |
| potable water | leachate | bucket      |       | temp               | <u>NA</u> | salinity           | relative humidity   |
| sediment      | waste    | auger       |       | DO                 | <u>NA</u> | sample depth       | weather conditions  |
| <u>soil</u>   | other    | ekman       |       | cond               |           | tide stage         | <u>Clear, cool</u>  |

## ANALYSES TO BE PERFORMED

### ORGANICS

- A. halogenated & aromatic volatiles
- B. volatiles
- C. trihalomethanes
- D. pesticides/PCB
- E. PCB
- F. base neutral/acid extractables
- G. pesticides, drinking water
- H. herbicides, drinking water
- I. other DICHLIN

### INORGANICS

- A. metals, priority pollutant
- B. metals, NA
- C. metals, NA (ICP)
- D. metals, other

### OTHER ANALYSES

- A. total cyanide
- B. total phenol
- C. petroleum hydrocarbons
- D. pH
- E. alkalinity
- F. NA hardness
- G. total dissolved solids
- H. total suspended solids
- I. sulfate
- J. TOC
- K. grain size
- L. percent moisture
- M. other

### CONTAINER

- glass jar
- plastic jar
- acetate core
- plastic bag
- plastic bucket
- other

### STORAGE

- wet ice
- dry ice
- ambient

### PRESERVATIVES

- HNO<sub>3</sub>
- NaOH
- Zn Acetate
- HCl
- Na<sub>2</sub>SO<sub>4</sub>
- other 4°C

## COMMENTS

MS/MSD

## FIELD DATA SHEET

21250

REAC, EDISON, NJ  
(908) 321-4200  
EPA CONTRACT 68-C4-0022

Date: 15 Feb 99 Samplers: Hallerness, Daly, Gedyne Chain of Custody No.: N/A  
Site Name: Centredale Manor REAC Task Leader: B. Forsythe  
Tir. #: N/A Sample Location: CMS-042 EPA WAM: J. Camacho  
Work Assignment No.: 3428

| SITE DESCRIPTION |            |                   | SOIL TYPE |      | SURFACE WATER |  | STREAM   |      | BOTTOM |         |
|------------------|------------|-------------------|-----------|------|---------------|--|----------|------|--------|---------|
| landfill         | old field  | upland palustrine | rock      | clay | color         |  | width    |      | rock   | silt    |
| industrial       | wooded     | lowland riverine  | gravel    | much | odor          |  | depth    |      | rubble |         |
| commercial       | farmland   | lacustrine        | sand      | slam | flow          |  | velocity | cm/s | gravel | organic |
| residential      | gully      |                   | silt      | peat | direction     |  | pools    | %    | shell  | other   |
| hedgerows        | floodplain |                   | color     |      |               |  | riffles  | %    | sand   |         |

| SAMPLE TYPE   |          | DEVICE   |       | SAMPLE INFORMATION |              | WEATHER PARAMETERS  |  |
|---------------|----------|----------|-------|--------------------|--------------|---------------------|--|
| surface water | effluent | kemmerer | ponar | color              | pH           | ambient temp        |  |
| groundwater   | mud      | trowel   | other | odor               | ORP          | barometric pressure |  |
| potable water | leachate | bucket   |       | temp               | salinity     | relative humidity   |  |
| sediment      | waste    | auger    |       | DO                 | sample depth | weather conditions  |  |
| soil          | other    | ekman    |       | cond               | tide stage   |                     |  |

## ANALYSES TO BE PERFORMED

## ORGANICS

- halogenated & aromatic volatiles
- volatiles
- C. trihalomethanes
- D. pesticides/PCB
- E. PCB
- F. base neutral/acid extractables
- G. pesticides, drinking water
- H. herbicides, drinking water
- I. other

## INORGANICS

- A. metals, priority pollutant
- B. metals, TAL
- C. metals scan (ICP)
- D. metals, other

## OTHER ANALYSES

- A. total cyanide
- B. total phenol
- C. petroleum hydrocarbons
- D. pH
- E. alkalinity
- F. hardness
- G. total dissolved solids
- H. total suspended solids
- I. sulfate
- J. TOC
- K. grain size
- L. percent moisture
- M. other

## SAMPLE PREPARATION

## CONTAINER

- glass jar
- plastic jar
- acetate core
- plastic bag
- plastic bucket
- other

## PRESERVATIVES

- HNO<sub>3</sub>
- NaOH
- Zn Acetate
- HCl
- Na<sub>2</sub>SO<sub>4</sub>
- other

## STORAGE

- wet ice
- dry ice
- ambient

## RCRA

- A. TCLP
- B. ignitability
- C. corrosivity pH
- D. reactivity
- E. other

## COMMENTS

Located on rip-rap bank - not sampled.  
(previous sediment sample taken was non-detect)

## FIELD DATA SHEET

REAC, EDISON, NJ  
(908) 321-4200  
EPA CONTRACT 68-C4-0022

Date: 15 Feb 1999 Samplers: Holburness, Daly, Gedyne Chain of Custody No.: N/A  
Time: N/A Site Name: Centredale Manor REAC Task Leader: B. Forsythe  
Sample Location: CMS-043 EPA WAM: J. Camacho  
Work Assignment No.: 3428

| SITE DESCRIPTION |            |                   | SOIL TYPE   | SURFACE WATER | STREAM   | BOTTOM         |
|------------------|------------|-------------------|-------------|---------------|----------|----------------|
| landfill         | old field  | upland palustrine | rock clay   | color         | width    | rock silt      |
| industrial       | wooded     | lowland riverine  | gravel rock | odor          | depth    | rubble clay    |
| commercial       | farmland   | lacustrine        | sand        | flow          | velocity | gravel organic |
| residential      | gully      |                   | silt peat   | direction     | pools    | shell other    |
| hedgerows        | floodplain |                   | color       |               | riffles  | sand           |

| SAMPLE TYPE   | DEVICE         | SAMPLE INFORMATION | WEATHER PARAMETERS  |
|---------------|----------------|--------------------|---------------------|
| surface water | kemmerer ponar | color              | ambient temp        |
| groundwater   | trowel         | odor               | barometric pressure |
| potable water | bucket         | temp               | relative humidity   |
| sediment      | auger          | DO                 | weather conditions  |
| soil          | ekman          | cond               |                     |

## ANALYSES TO BE PERFORMED

## ORGANICS

- A. halogenated & aromatic volatiles  
B. volatiles  
C. trhalomethanes  
D. pesticides/PCB  
E. PCB  
F. base neutral/acid extractables  
G. pesticides, drinking water  
H. herbicides, drinking water  
I. other

## INORGANICS

- A. metals, priority pollutant  
B. metals, TAL  
C. metals scan (ICP)  
D. metals, other

## OTHER ANALYSES

- A. total cyanide  
B. total phenol  
C. petroleum hydrocarbons  
D. pH  
E. alkalinity  
F. hardness  
G. total dissolved solids  
H. total suspended solids  
I. sulfate  
J. TOC  
K. grain size  
L. percent moisture  
M. other

## SAMPLE PREPARATION

## CONTAINER

- glass jar  
plastic jar  
acetate core  
plastic bag  
plastic bucket  
other

NaOH

## PRESERVATIVES

- HNO<sub>3</sub>  
Zn Acetate  
HCl  
Na<sub>2</sub>SO<sub>4</sub>  
other

## STORAGE

- wet ice  
dry ice  
ambient

## RCRA

- A. TCLP  
B. ignitability  
C. corrosivity pH  
D. reactivity  
E. other

## COMMENTS

Located in building - not sampled