

US EPA ARCHIVE DOCUMENT

Superfund Records Center
SITE: Centredale Manor
BREAK: 1.15
OTHER: 18432

Appendix C
Field Data Sheets
Centredale Manor (Woonasquatucket River) Site
North Providence, Rhode Island

FIELD DATA SHEET

21061

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

Date: 3/17/99
Time: 7:40

Samplers: Dan Grane, Rich Fisher, Amanda Daly
Site Name: Centerville Manor
Sample Location: CMS-001

Chain of Custody No.: 01571
REAC Task Leader: Barry Forsythe
EPA WAM: JoAnn Camacho
Work Assignment No.: 03347-143-001-3428

SITE DESCRIPTION

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

SOIL TYPE

rock clay
gravel muck
sand loam
silt peat
color medium brown

SURFACE WATER

color
odor NA
flow
direction

STREAM

width
depth NA
velocity NA cm/s
pools %
riffles %

BOTTOM

rock silt
rubble NA
gravel organic
shell other
sand

SAMPLE TYPE

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

DEVICE

kemmerer
trowel
bucket
auger
ekman

ponar
other

SAMPLE INFORMATION

color
odor
temp NA
DO
cond

pH
ORP
salinity NA
sample depth
tide stage

WEATHER PARAMETERS

ambient temp 35°C
barometric pressure
relative humidity
weather conditions cloudy

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 dicann

INORGANICS

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

ICRA

- A. TCLP
- ignitability
- corrosivity pH
- reactivity
- other

COMMENTS

floris
Leafy trees

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

HNO₃
NaOH
Zn Acetate
HCl
Na₂SO₄
other 4°C

STORAGE

wet ice
dry ice
ambient

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

Chain of Custody No.: 01541
REAC Task Leader: Barry Forsythe
EPA WAM: JaAnn Camacho
Work Assignment No.: 03347-143-001-3428

Date: 2/17/99
Time: 7:40
Samplers: Dan Grant, Rich Fisher, Amanda Daly
Site Name: Centredale Manor
Sample Location: CMS-001 dump

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 medium brown

SURFACE WATER
color
odor NA
flow NA
direction

STREAM
width
depth NA
velocity NA cm/s
pools %
riffles %

BOTTOM
rock silt
rubble clay
gravel NA
shell organic
sand other

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
ambient temp 35°C
barometric pressure
relative humidity
weather conditions cloudy

ANALYSES TO BE PERFORMED

- ORGANICS
A. halogenated & aromatic volatiles
B. volatiles
halomethanes
C. 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
HNO₃
NaOH
Zn Acetate
HCl
Na₂SO₄
other 4°C

COMMENTS: Rocks,
Leaf cover.

FIELD DATA SHEET

21062

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

Date: 2/17/99 Samplers: Dan Grans, Rich Fisher, Amanda Daly
Time: 7:50 Site Name: Centerville Manor
Sample Location: CMS-002

Chain of Custody No.: 01541
REAC Task Leader: Barry Forsythe
EPA WAM: JoAnn Camacho
Work Assignment No.: 03347-143-001-3428

SITE DESCRIPTION

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

SOIL TYPE

rock clay
gravel muck
sand loam
silt peat
color

SURFACE WATER

color
odor NA
flow
direction

STREAM

width
depth NA
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
temp NA
DO
cond

WEATHER PARAMETERS

ambient temp 35°C
barometric pressure
relative humidity
weather conditions cloudy

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, 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

HNO₃

NaOH

Zn Acetate

HCl

Na₂SO₄

other 4°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.: 01541
REAC Task Leader: Barry Forsythe
EPA WAM: JoAnn Camacho
Work Assignment No.: 03347-143-001-3428

Date: 2/17/99
Time: 7:59

Samplers: Dan Grane, Rich Fisher, Amanda Daly
Site Name: Centredale Manor
Sample Location: CMS-003

SITE DESCRIPTION

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

SOIL TYPE

rock clay
gravel muck
sand loam
silt peat
color medium brown

SURFACE WATER

color NA
odor NA
flow NA
direction NA

STREAM

width NA
depth NA
velocity NA cfs
pools NA %
riffles NA %

BOTTOM

rock silt
rubble clay
gravel NA organic
shell other NA
sand

SAMPLE TYPE

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

DEVICE

kemmerer ponar
trowel other NA
bucket
auger
ekman

SAMPLE INFORMATION

color NA pH NA
odor NA ORP NA
temp NA salinity NA
DO NA sample depth NA
cond NA tide stage NA

WEATHER PARAMETERS

ambient temp 35°C
barometric pressure NA
relative humidity NA
weather conditions cloudy

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 NA

RCRA

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

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 NA

CONTAINER

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

STORAGE

- wet ice
dry ice
ambient

PRESERVATIVES

- HNO₃
NaOH
Zn Acetate
HCl
Na₂SO₄
other 4°C

COMMENTS

Depositional area.

FIELD DATA SHEET

21064

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

Date: 2/17/99 Samplers: Don Grant, Rich Fisher, Amanda Daly Chain of Custody No.: 01541
Site Name: Centredale Manor REAC Task Leader: Barry Forsythe
Time: 8:08 Sample Location: CMS-004 EPA WAM: JaAnn Camacho
Work Assignment No.: 0347-143-001-3428

SITE DESCRIPTION

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

SOIL TYPE

rock clay
gravel muck
sand loam
silt peat
color medium brown

SURFACE WATER

color _____
odor NA
flow NA
direction _____

STREAM

width _____
depth NA
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 _____
temp NA
DO NA
cond _____

WEATHER PARAMETERS

ambient temp 35°E
barometric pressure _____
relative humidity _____
weather conditions cloudy
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 dioxin

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 _____

CONTAINER

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

PRESERVATIVES

HNO₃
NaOH
Zn Acetate
HCl
Na₂SO₄
other 4°C

STORAGE

wet ice
dry ice
ambient

RCRA

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

COMMENTS

Depositional area

FIELD DATA SHEET

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

Date: 2/17/99 Time: 8:03
 Chain of Custody No.: 1541
 REAC Task Leader: B Forsythe
 EPA WAM: J Camacho
 Work Assignment No.: 03347-143-001-3428
 Samplers: Don Grant, Beth DeBay, Rich Fisher
 Site Name: Centredale Manor
 Sample Location: CMS-004 dup

SITE DESCRIPTION landfill old field upland palustrine industrial wooded lowland riverine commercial farmland lacustrine residential gully hedgerows <u>floodplain</u>			SOIL TYPE rock clay gravel muck <u>sand</u> <u>loam</u> silt peat color _____		SURFACE WATER color _____ odor <u>NA</u> flow _____ direction _____		STREAM width _____ depth _____ velocity <u>NA</u> cm/s pools _____ % riffles _____ %		BOTTOM rock silt rubble clay gravel <u>NA</u> organic shell other _____ sand	
SAMPLE TYPE surface water effluent groundwater sludge potable water leachate sediment waste soil other _____			DEVICE kemmerer ponar <u>drowel</u> other _____ bucket auger ekman		SAMPLE INFORMATION color _____ odor <u>NA</u> temp <u>NA</u> DO _____ cond _____		WEATHER PARAMETERS ambient temp <u>35.0</u> E barometric pressure _____ relative humidity _____ weather conditions <u>cloudy</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 3/18/99

- 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**
- HNO₃
 - NaOH
 - Zn Acetate
 - HCl
 - Na₂SO₄
 - other APC

COMMENTS depositional area

FIELD DATA SHEET

21066

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

2/16/97
Date: *2/16/97*
Time: *8:16*
Samplers: *Rich Fisher, Amanda Daly*
Site Name: *Centredale Manor*
Sample Location: *CMS-005*
Chain of Custody No.: *01541*
REAC Task Leader: *B. Forsythe*
EPA WAM: *J. Camacho*
Work Assignment No.: *03347-143-661-3428*

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	<i>NA</i>	depth	<i>NA</i>	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow	<i>NA</i>	velocity	<i>NA</i> cm/s	gravel	organic
residential	gully		silt	peat	direction		pools	%	shell	other
hedgerows	<u>floodplain</u>		color				riffles	%	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS	
surface water	effluent	kemmerer	ponar	color		pH	
groundwater	sludge	<u>trowel</u>	other	odor	<i>NA</i>	ORP	
potable water	leachate	bucket		temp	<i>NA</i>	salinity	<i>NA</i>
sediment	waste	auger		DO		sample depth	
soil	other	ekman		cond		tide stage	
						weather conditions	<i>cloudy</i>

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 *NA*

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

NaOH

PRESERVATIVES

- HNO₃
- Zn Acetate
- HCl
- Na₂SO₄
- other *40C*

STORAGE

- wet ice
- dry ice
- ambient

COMMENTS

Directional area