

US EPA ARCHIVE DOCUMENT

FIELD DATA SHEET

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

Date: 2/17/99 Site Name: Centredale Manor Chain of Custody No.: 01541
Time: 8:16 Sample Location: CMS-025 dup REAC Task Leader: B Forsythe
EPA WAM: J Camacho
Work Assignment No.: 03347-143-001-3428

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	<u>sand</u>	loam	flow		velocity	<u>cm/s</u>	gravel	organic
residential	gully		silt	<u>peat</u>	direction		pools	%	shell	other
hedgerows	<u>floodplain</u>		color	<u>dark brown</u>			riffles	%	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS	
surface water	effluent	kemmerer	ponar	color		pH	ambient temp <u>35.9°C</u>
groundwater	sludge	<u>trowel</u>	other	odor	<u>NA</u>	ORP	barometric pressure
potable water	leachate	bucket		temp		salinity	relative humidity
sediment	waste	auger		DO		sample depth	weather conditions <u>cloudy</u>
soil	other	ekman		cond		tide stage	

ANALYSES TO BE PERFORMED

ORGANICS

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

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 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

STORAGE

- wet ice
dry ice
ambient

PRESERVATIVES

- HNO₃
NaOH
Zn Acetate
HCl
Na₂SO₄
other 49C

COMMENTS

Depositional area

FIELD DATA SHEET

21068

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

Rich Fisher, Dan Granz

Samplers: Beth Debnay, Amanda DalyChain of Custody No.: 01541REAC Task Leader: B. ForsytheSite Name: Centredale ManorEPA WAM: J. CamachoSample Location: CMS-004Work Assignment No.: 0.8347-143-01-3428

DESCRIPTION	SOIL TYPE	SURFACE WATER	STREAM	BOTTOM
old field upland palustrine	rock clay	color	width	rock silt
al wooded lowland riverine	gravel muck	odor <u>NA</u>	depth <u>NA</u>	rubber clay
rcial farmland lacustrine	sand loam	flow	velocity cm/s	gravel organic
tial gully	silt peat	direction	pools %	shell other
cws floodplain	color <u>white</u>		riffles %	sand

E TYPE	DEVICE	SAMPLE INFORMATION	WEATHER PARAMETERS
water effluent	kemmerer ponar	color	ambient temp <u>35°F</u>
water sludge	trowel	odor <u>NA</u>	barometric pressure
water leachate	bucket	temp <u>NA</u>	relative humidity
nt waste	auger	DO	weather conditions
other	ekman	cond	<u>Cloudy</u>

TESTS TO BE PERFORMED

ICS
generated & aromatic volatiles
tiles
omethanes
cides/PCB

neutral/acid extractables
cides, drinking water
cides, drinking water
SIX/11

ANICS
s. priority pollutant
s. TAL
s scan (ICP)
s. 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

ility
sivity pH
vity

NTS

Dispositional Area

FIELD DATA SHEET

21069

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

Samplers: Rich Fisher, Dan Granz, Amanda Daly, Beth Denhart

Chain of Custody No.: 01541

REAC Task Leader: B. Forsythe

EPA WAM: J. Camacho

Work Assignment No.: 03347-143-001-34.28

Site Name: Centredale Manor

Sample Location: MS-007

DESCRIPTION	SOIL TYPE	SURFACE WATER	STREAM	BOTTOM
ill old field upland palustrine	rock clay	color	width	rock silt
astrial wooded lowland riverine	gravel muck	odor <u>NA</u>	depth	rubble clay
mercial farmland lacustrine	sand <u>loam</u>	flow	velocity <u>NA</u> cm/s	gravel organic
ential gully	silt peat	direction	pools %	shell other
gerows floodplain	color <u>dark brown</u>		riffles %	sand

SAMPLE TYPE	DEVICE	SAMPLE INFORMATION	WEATHER PARAMETERS
ice water effluent	kemmerer	color	ambient temp <u>43°</u>
ndwater sludge	<u>trowel</u>	odor <u>NA</u>	barometric pressure
ble water leachate	bucket	temp <u>NA</u>	relative humidity
ment waste	auger	DO	weather conditions <u>Cloudy</u>
other	ekman	cond	

ANALYSES TO BE PERFORMED

ANALYTICALS
air ated & aromatic volatiles
alcohols
halomethanes
esticides/PCB
CB
ase neutral/acid extractables
esticides, drinking water
erbicides, drinking water
her NA

ORGANICS

etals, priority pollutant
etals, TAL
etals scan (ICP)
etals 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

NaOH
Zn Acetate
HCl
Na₂SO₄ 400
other

STORAGE

wet ice
dry ice
ambient

A

CLP

nitability
orrosivity pH
activity
ner

IMENTS

Recreational area

FIELD DATA SHEET

21070

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

17/99
841
Samplers: Rich Fisher, Amanda Daly
Don Grant, Beth Ben Day
Site Name: Centre dale Manor
Sample Location: CMS-008

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

DESCRIPTION	SOIL TYPE	SURFACE WATER	STREAM	BOTTOM
old field	rock	color	width	rock
wooded	clay	odor	depth	silt
lowland riverine	gravel	flow	velocity	rubble
lacustrine	muck	direction	cm/s	gravel
farmland	sand		%	organic
gully	loam		%	shell
floodplain	silt		%	other
	peat			sand
	color			

TYPE	DEVICE	SAMPLE INFORMATION	WEATHER PARAMETERS
water	effluent	color	ambient temp
water	sludge	odor	barometric pressure
water	leachate	temp	relative humidity
water	waste	DO	weather conditions
water	other	cond	tide stage

TESTS TO BE PERFORMED

CS
inorganic & aromatic volatiles
es
methanes
ides/PCB

neutral/acid extractables
des. drinking water
des. drinking water
DICHA

NICS
priority pollutant
TAL
scan (ICP)
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 40C

STORAGE
wet ice
dry ice
ambient

ility
vity pH
ity

ITS
little deposition

FIELD DATA SHEET

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

Date: 2/17/99
Time: 0849
Site Name: Centredale Manor
Sample Location: CMS - 009
Samplers: Rich Fisher Beth Dearborn
Dan Granz Amanda Daly

Chain of Custody No.: 01541
REAC Task Leader: B Fersythe
EPA WAM: J Camacho
Work Assignment No.: 03347-143-001-3428

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	
	sand	loam	
	silt	<u>peat</u>	
	color		
SURFACE WATER	color		
	odor	<u>NA</u>	
	flow		
	direction		
STREAM	width		
	depth	<u>NA</u>	
	velocity		cm/s
	pools		%
	riffles		%
BOTTOM	rock	silt	
	rubble	<u>NA</u>	clay
	gravel		organic
	shell		other
	sand		

SAMPLE TYPE	surface water	effluent	DEVICE	potter	SAMPLE INFORMATION	color	pH	WEATHER PARAMETERS	ambient temp	<u>43°F</u>
	groundwater	sludge		<u>trowel</u>		odor	<u>NA</u>		barometric pressure	
	potable water	leachate		bucket		temp	<u>NA</u>		relative humidity	
	sediment	waste		auger		DO			sample depth	
	soil	other		ekman		cond			tide stage	<u>cloudy</u>

ANALYSES TO BE PERFORMED

- ORGANICS
- logenated & aromatic volatiles
 - volatiles
 - trihalomethanes
 - pesticides/PCB
 - PCB
 - base neutral/acid extractables
 - pesticides, drinking water
 - herbicides, drinking water
 - other: Dioxin

- INORGANICS
- metals, priority pollutant
 - metals, TAL
 - metals scan (ICP)
 - metals, other: NA

- RCRA
- TCLP
 - ignitability
 - corrosivity: pH
 - reactivity
 - other

- OTHER ANALYSES
- total cyanide
 - total phenol
 - petroleum hydrocarbons
 - pH
 - alkalinity
 - hardness
 - total dissolved solids
 - total suspended solids
 - sulfate
 - TOC
 - grain size
 - percent moisture
 - 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: 40C
 - other

COMMENTS

Free roots & peat
mineral deposition

FIELD DATA SHEET

21072

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

Rich Fisher, Dan Granz
Samplers: Beth Deabry, Beth Deabry
Date: 2/2/99 Site Name: Centredale Manor
Time: 0900 Sample Location: CMS - 010

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

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		velocity	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	Kimmerer	ponar	color		pH	
groundwater	sludge	<u>trowel</u>	other	odor		ORP	
potable water	leachate	bucket		temp	<u>NA</u>	salinity	<u>NA</u>
sediment	waste	auger		DO		sample depth	
soil	other	ekman		cond		tide stage	
							<u>Cloudy</u>

ANALYSES TO BE PERFORMED

ORGANICS

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

NORGANICS

- metals, priority pollutant
- metals, TAL
- metals scan (ICP)
- metals, other

OTHER ANALYSES

- total cyanide
- total phenol
- petroleum hydrocarbons
- pH
- alkalinity
- hardness
- total dissolved solids
- total suspended solids
- sulfate
- TOC
- grain size
- percent moisture
- other

CONTAINER

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

NaOH

PRESERVATIVES

- HNO₃
Zn Acetate
HCl
Na₂SO₄
other DOC

STORAGE

- wet ice
dry ice
ambient

RCRA

- TCLP
- ignitability
- corrosivity pH
- reactivity
- other

COMMENTS

Frozen sand & peat
Sand appears to be erosion

FIELD DATA SHEET

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

Chain of Custody No.: 01541
REAC Task Leader: B. Forsythe
EPA WAM: J. Camacho
Work Assignment No.: 13347-143-001-342

Date: 2/19/99 Site Name: Centrendale Manor
Time: 0907 Sample Location: CMS-011
Samplers: Rich Fisher, Dan Granz, Beth Benbow, Amanda Daily

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 peat
silt
color

SURFACE WATER

color
odor NA
flow
direction

STREAM

width 7 ft
depth 1 ft
velocity cm/s
pools %
riffles %

BOTTOM

rock silt
rubble clay
gravel 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
DO
cond

WEATHER PARAMETERS

ambient temp 43 CF
barometric pressure
relative humidity
weather conditions cloudy
tide stage

ANALYSES TO BE PERFORMED

ORGANICS

- A. halogenated & aromatic volatiles
3. 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

NaOH

STORAGE

wet ice
dry ice
ambient

PRESERVATIVES

HNO₃
Zn Acetate
HCl
Na₂SO₄
other 44

COMMENTS

Mostly peat
little deposition

FIELD DATA SHEET

21074

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

Date: 2/7/99 Site Name: Centredale Marsh Chain of Custody No.: 01541
Time: 0915 Sample Location: MS-012 MS/MSD REAC Task Leader: B Forsythe
EPA WAM: Camacho Work Assignment No.: 05347-143-001-342

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	<u>NA</u>	depth	<u>NA</u>	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow		velocity	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	<u>Kimmerer</u>	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>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 PICXIC

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

NaOH

PRESERVATIVES

- HNO₃
- Zn Acetate
- HCl
- Na₂SO₄
- other 4FC

STORAGE

- wet ice
- dry ice
- ambient

COMMENTS

Frozen
small sand
mostly peat

FIELD DATA SHEET

21161

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

Date: 3/17/99 Time: 09:21 Samplers: Rich Fisher, Betty Deabay
Site Name: Centredale Manor Chain of Custody No.: 1541
Sample Location: CMS-013 MS/MSD REAC Task Leader: B Forsythe
EPA WAM: J Camacho Work Assignment No.: 13347-143-001-3A2

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 <u>NA</u>
commercial	farmland	lacustrine	sand loam	flow	velocity <u>NA</u> 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	color	ambient temp <u>43.0F</u>
groundwater	sludge	odor	barometric pressure
potable water	leachate	temp <u>NA</u>	relative humidity
sediment	waste	DO	weather conditions <u>cloudy</u>
soil	other	cond	tide stage

ANALYSES TO BE PERFORMED

ORGANICS

- A. halogenated & aromatic volatiles
- volatiles
- 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

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

COMMENTS

Frozen
very little deposition

FIELD DATA SHEET

21200

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

Chain of Custody No.: 01541

REAC Task Leader: Barry Forsythe

EPA WAM: Jordan Camacho

Work Assignment No.: 03-347-043-001-3428

Date: 2/17/99
Time: 9:35
Sample Location: Cms-014

Samplers: Dan Grant, Ed Fisher, Amanda Daly

Site Name: Centredale Manor

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	NA	depth	NA	rubble	clay
commercial	farmland	lacustrine	sand	loam	flow	NA	velocity	NA	gravel	organic
residential	gully		silt	peat	direction		pools	%	shell	other
hedgerows	floodplain		color	medium brown			riffles	%	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS	
surface water	effluent	kemmerer	ponar	color		pH	ambient temp 35°C
groundwater	sludge	trowel	other	odor	NA	ORP	barometric pressure
potable water	leachate	bucket		temp	NA	salinity	relative humidity NA
sediment	waste	auger		DO		sample depth	weather conditions cloudy
soil	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 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

STORAGE

- wet ice
dry ice
ambient

PRESERVATIVES

- HNO₃
NaOH
Zn Acetate
HCl
Na₂SO₄
other 4°C

COMMENTS

Area not really depositional