

US EPA ARCHIVE DOCUMENT

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

Chain of Custody No.: 01542
REAC Task Leader: Barry Fasy the
EPA WAM: JoAnn Cambacho
Work Assignment No.: 03347-143-001-3428

Samplers: Don Granz, Rich Fisher, Amanda Daly
Date: 2/17/99 Site Name: Centredale Manor
Time: 14:53 Sample Location: CMS-234
13:53

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

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS	
surface water	effluent	kemmerer	ponar	color	pH	ambient temp	<u>40°C</u>
groundwater	sludge	<u>trowel</u>	other	odor	ORP	barometric pressure	
potable water	leachate	bucket		temp	<u>NA</u>	salinity	<u>NA</u>
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 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

SAMPLE PREPARATION

CONTAINER

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

NaOH

PRESERVATIVES

- HNO₃
- 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:

Turf.
Tall grasses.

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

Chain of Custody No.: 01542
REAC Task Leader: Barry Forsythe
EPA WAM: JoAnn Calmaro
Work Assignment No.: 03347-143-001-3428
Date: 2/17/99 Site Name: Centredale Manor
Time: 14:12 Sample Location: CMS-236
Samplers: Dan Grant, Rich Fisher, Amanda Joly

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER		STREAM		BOTTOM	
landfill	old field	upland palustrine	rock	clay	color		width		rock	silt
industrial	<u>wooded</u>	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> cm/s	gravel	<u>NA</u> organic
<u>residential</u>	gully		silt	<u>peat</u>	direction		pools	%	shell	other
hedgerows	floodplain		color	<u>dark brown</u>			riffles	%	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS	
surface water	effluent	kemmerer	ponar	color		pH	ambient temp <u>40°C</u>
groundwater	sludge	<u>trowel</u>	other	odor		ORP	barometric pressure
potable water	leachate	bucket		temp	<u>NA</u>	salinity	relative humidity
sediment	waste	auger		DO		sample depth	weather conditions <u>cloudy</u>
<u>soil</u>	other	ekman		cond		tide stage	

ANALYSES TO BE PERFORMED

ORGANICS

- A. halogenated & aromatic volatiles
- B. volatiles
- C. trihalomethanes
- pesticides/PCB
- 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. TCLF
- 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 4pc

STORAGE

- wet ice
- dry ice
- ambient

COMMENTS:

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

Chain of Custody No.: 01542

REAC Task Leader: Barry Farsythe

EPA WAM: JoAnn Carracho

Work Assignment No.: 03347-143-001-3428

Date: 2/17/99 Site Name: Centre Dale Manor
Time: 13:59 Sample Location: CMS-235

SITE DESCRIPTION			SOIL TYPE		SUR. ACE 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 40°C
groundwater	sludge	trowel	other	odor	NA	ORP	barometric pressure
potable water	leachate	bucket		temp	NA	salinity	relative humidity
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 dioxins

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

- HNO₃
- NaOH
- Zn Acetate
- HCl
- Na₂SO₄
- other 4°C

STORAGE

- wet ice
- dry ice
- ambient

ROCK

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

COMMENTS:

Turf.

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

Chain of Custody No.: 01542
REAC Task Leader: Barry Forsythe
EPA WAM: JoAnn Ambach
Work Assignment No.: 03347-143-001-3428

Samplers: Dan Gantz, Rich Fisher, Amanda Daly
Date: 2/17/99 Site Name: Centredale Manor
Time: 14:18 Sample Location: CMS-237

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER		STREAM		BOTTOM	
landfill	old field	upland palustrine	rock	clay	color		width		rock	silt
industrial	<u>wooded</u>	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> cm/s	gravel	organic
<u>residential</u>	gully		silt	<u>peat</u>	direction		pools	%	shell	other
hedgerows	floodplain		color	<u>dark brown</u>			riffles	%	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS			
surface water	effluent	kemmerer	ponar	color		pH		ambient temp	<u>40°C</u>
groundwater	sludge	<u>trowel</u>	other	odor		ORP		barometric pressure	
potable water	leachate	bucket		temp	<u>NA</u>	salinity	<u>NA</u>	relative humidity	
sediment	waste	auger		DO		sample depth		weather conditions	<u>cloudy</u>
<u>soil</u>	other	ekman		cond		tide stage			

ANALYSES TO BE PERFORMED

- ORGANICS
- A. halogenated & aromatic volatiles
 - B. volatiles
 - C. trihalomethanes
 - 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

SAMPLE PREPARATION

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

STORAGE

- wet ice
- dry ice
- ambient

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

COMMENTS:

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

Chain of Custody No.: 01542
 REAC Task Leader: Barry Fersythe
 EPA WAM: JoAnn Camacho
 Work Assignment No.: 03347-143-001-3428

Samplers: Don Granz, Rich F
 Date: 2/17/99 Site Name: Centredale Manor
 Time: 14:23 Sample Location: CMS-238

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

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS	
surface water	effluent	kemmerer	ponar	color		pH	ambient temp <u>40°C</u>
groundwater	sludge	<u>trowel</u>	other	odor		ORP	barometric pressure
potable water	leachate	bucket		temp	<u>NA</u>	salinity	relative humidity
sediment	waste	auger		DO		sample depth	weather conditions <u>cloudy</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 aleno

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

- HNO₃
- NaOH
- Zn Acetate
- HCl
- Na₂SO₄
- other 4°C

STORAGE

- wet ice
- dry ice
- ambient

OTHER

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

COMMENTS:

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

Chain of Custody No.: 01542
REAC Task Leader: Barry Forsythe
EPA WAM: JoAnn Camacho
Work Assignment No.: 03347-143-001-3428

Date: 2/17/99 Samplers: Dan Grane
Site Name: Centredale Manor
Time: 14:30 Sample Location: CMS-239

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

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS	
surface water	effluent	<u>kemmerer</u>	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	
<u>soil</u>	other	ekman		cond		tide stage	
							weather conditions <u>cloudy</u>

ANALYSES TO BE PERFORMED

ORGANICS

- A. halogenated & aromatic volatiles
- B. volatiles
- C. trihalomethanes
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:

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

Chain of Custody No.: 01542

REAC Task Leader: Barry Forsythe

EPA WAM: JoAnn Manabcho

Work Assignment No.: 03347-143-001-3428

Samplers: Dan Granz, Rich Fisher, Amanda Daly

Date: 2/17/99 Site Name: Centredale Manor

Time: 14:40 Sample Location: CMS-240

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 light brown

SURFACE WATER

color
odor NA
flow NA
direction

STREAM

width
depth NA
velocity 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

ambient temp 40°C
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

SAMPLE PREPARATION

CONTAINER

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

NaOH

PRESERVATIVES

- HNO₃
- Zn Acetate
- HCl
- Na₂SO₄
- other 49

STORAGE

- wet ice
- dry ice
- ambient

COMMENTS:

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

Chain of Custody No.: 01542
 REAC Task Leader: Barry Forsythe
 EPA WAM: JoAnn Caracho
 Work Assignment No.: 03347-143-001-3428
 Date: 2/17/99 Site Name: Centredale Manor
 Time: 14:48 Sample Location: CMS-241
 Samplers: Dan Granz, Rich Fisher, Amanda Daly

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER		STREAM		BOTTOM	
landfill	old field	upland palustrine	rock	clay	color		width		rock	silt
industrial	<u>wooded</u>	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	<u>NA</u> organic
<u>residential</u>	gully		silt	peat	direction		pools	%	shell	other
hedgerows	floodplain		color	<u>medium-dark brown</u>			riffles	%	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS	
surface water	effluent	kemmerer	ponar	color		pH	ambient temp <u>40°C</u>
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>cloudy</u>
<u>soil</u>	other	ekman		cond		tide stage	

ANALYSES TO BE PERFORMED

ORGANICS

- A. halogenated & aromatic volatiles
 B. volatiles
 halomethanes
 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

STORAGE

- wet ice
 dry ice
 ambient

PRESERVATIVES

- HNO₃
 NaOH
 Zn Acetate
 HCl
 Na₂SO₄
 other 4°C

EPA

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

COMMENTS:

Roots

FIELD DATA SHEET

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

Chain of Custody No.: 01542
REAC Task Leader: Barry Forsythe
EPA WAM: JoAnn Camacho
Work Assignment No.: 03347-143-001-34

Date: 2/17/99 Time: 14:57
Site Name: Centredale Manor
Sample Location: CMS-242
Samplers: Dan Granz, Rich Fish, Amanda Daly

SITE DESCRIPTION			SOIL TYPE		SURFACE WATER		STREAM		BOTTOM	
landfill	old field	upland palustrine	rock	clay	color		width		rock	silt
industrial	<u>wooded</u>	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	<u>NA</u> organic
<u>residential</u>	gully		silt	<u>peat</u>	direction		pools	%	shell	other
hedgerows	floodplain		color	<u>medium brown</u>			riffles	%	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS	
surface water	effluent	kemmerer	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	
<u>soil</u>	other	ekman		cond		tide stage	
						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 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

SAMPLE PREPARATION

CONTAINER

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

NaOH

PRESERVATIVES

- HNO₃
- 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

FIELD DATA SHEET

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

21144

Chain of Custody No.: _____
Task Leader: B. Forsthe
Date: 16 Feb 99 Site Name: Outredale Manor EPA WAM: J Camacho
Time: 1620 Sample Location: Field Blank 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	<u>sand</u>	loam	flow	<u>NA</u>	velocity	<u>NA</u> cm/s	gravel	organic
<u>residential</u>	gully		silt	peat	direction	_____	pools	_____ %	shell	other
<u>hedgerows</u>	floodplain		color	_____			riffles	_____ %	sand	

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

ANALYSES TO BE PERFORMED

ORGANICS

- A. halogenated & aromatic volatiles
- B. volatiles
 - halomethanes
- 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 _____

OTHER ANALYSES

- A. total cyanide
- B. total phenol
- C. petroleum hydrocarbons
- D. pH
- E. alkalinity NA
- F. hardness NA
- 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 40C

COMMENTS:

Taken at location CMS-073

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

Chain of Custody No.: 01543
REAC Task Leader: Barry Forsythe
EPA WAM: JoAnn Camacho
Work Assignment No.: 03347-41300-3428

Date: 2/17/99 Site Name: Centredale Manor
Time: 15:52 Sample Location: Field Blank
Samplers: Dan Granz, Rich Fisher, Amanda Daly

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

SAMPLE TYPE	DEVICE	SAMPLE INFORMATION	WEATHER PARAMETERS
surface water <u>effluent</u>	<u>kammerer</u> <u>ponar</u>	color <u>NA</u>	pH <u>NA</u>
groundwater <u>sludge</u>	<u>bucket</u> <u>other</u>	odor <u>NA</u>	ORP <u>NA</u>
potable water <u>leachate</u>	<u>auger</u>	temp <u>NA</u>	salinity <u>NA</u>
sediment <u>waste</u>	<u>ekman</u>	DO <u>NA</u>	sample depth <u>NA</u>
<u>soil</u> <u>other</u>		cond <u>NA</u>	tide stage <u>NA</u>
			ambient temp <u>40°C</u>
			barometric pressure <u>NA</u>
			relative humidity <u>NA</u>
			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 dioxin

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

INORGANICS

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

OTHER

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

COMMENTS

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

Chain of Custody No.: 01558

Date: 16 Feb 99 Time: 1507 Site Name: Central Plaza Sample Location: Equipment Blank
EPA WAM: 1 Camacho Work Assignment No.: 3428
Samplers: Brian Holderness, Pete Kudrinski Task Leader: B. Forystae

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	<u>N/A</u>	velocity	<u>N/A</u>	gravel	<u>N/A</u>
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	sludge	<u>trower</u>	other	odor	<u>N/A</u>	ORP	barometric pressure
potable water	leachate	bucket		temp	<u>N/A</u>	salinity	relative humidity
sediment	waste	auger		DO		sample depth	weather conditions
soil	other <u>Blank</u>	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 dioxin

INORGANICS

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

BCRA

- A. TCLP
- B. ignitability
- C. corrosivity N/A 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:

sand poured over trowel

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

Chain of Custody No.: 01543
REAC Task Leader: Barry Forsythe
EPA WAM: JoAnn Camacho
Work Assignment No.: 03347-143-COI-3428
Date: 2/17/99 Samplers: Dan Granz, Rich Fisher, Amanda Daly
Site Name: Centredale Manor
Time: _____ Sample Location: Equipment Bank

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	<u>N/A</u>	lacustrine	<u>sand</u>	loam	flow	<u>NA</u>	velocity	<u>NA</u>	gravel	organic
residential	gully		silt	peat	direction	_____	pools	____%	shell	other
hedgerows	floodplain		color	<u>white</u>			riffles	____%	sand	

SAMPLE TYPE		DEVICE		SAMPLE INFORMATION		WEATHER PARAMETERS	
surface water	effluent	<u>kemmerer</u>	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	_____
<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
- 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

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

RCRA

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

COMMENTS: