ILLINOIS ENVIRONMENTAL PROTECTION AGENCY MEMORANDUM

DATE: September 14, 1988

TO: Division File

FROM: Darren T. Brumfield, FOS, DLPC DTB

SUBJECT: 1970450003 - Will County
Joliet/Jack Carlstrom Landfill
FOS

On 9/9/88 & 9/12/88, I stopped by the subject site to collect samples of flowing leachate; which was noted in my 6/14/88 landfill inspection. This sampling project was conducted as per item #6 in the 7/31/88 EDG results. Carol Graszer of the IEPA in Maywood accompanied me on September 9, 1988 only.

The initial intent was to sample only one area, on 9/9/88, of seeping leachate which was noted in June. However, since the June inspection, 4 other areas containing leachate seeps were discovered on-site. Therefore I had to return to the site on 9/12/88 to collect samples from the newly discovered areas.

Day 1 (9/9/88):
One sample point was collected which consisted on 2 soil samples (X101) and 7 leachate samples (L201). See the attached lab analysis sheets for clarification.

While collecting the leachate samples in the bottles which contained the metals and mercury preservatives, a foaming reaction occurred (see photo #8). I also noted that the hole from which the leachate is seeping has become larger since the 6/88 inspection and the leachate collects in this hole very rapidly (see photos #4 & 5).

While sampling, Ms. Lucy Ingram who lives in the house shown in photo #1, came by to complain about her water. She stated that her water from the faucet was very dark in color and also had a smell like sulfur. Ms. Ingram also stated that Jack Carlstrom owns the house and she is only renting.

After we collected soil & leachate samples, we proceeded to the IEPA lab in Chicago.

Day 2 (9/12/88):
Four sample points were collected each consisting of 2 solvent rinse jars of contaminated soil. (Sample #X102-X105 see photos #12, 14, 16, & 19). Only soil samples were collected on this day. However leachate seeps were noted in two other areas of the site but not enough to collect in the sample bottles (see photos #11, 18 & 19).

After the soil samples were collected, the jars were sealed and placed in a cooler for transportation to the lab the same day (see photo #20).

cc: Maywood Region

DB:dfa:0616D

RECEIVED
SEP 20 1988

EPA Region 5 Records Ctr.
300652

IL 532-0570
EPA-90 (Rev. 5 75-20M)

Date: 9-9-88

Time: 10:00 A

Photograph by: DB
Darren Brandjes

City: Joliet

IEPA #: 1970450003

Site Name:
Jack Cauldstaur

Comments: photo of House located Approx. 100 ft the perimeter of Landfill

Photo #: 1 Roll #: 89-61

Date: 9-9-88

Time: 10:00 A

Photograph by: CG
Carol Grasser

City: Joliet

IEPA #: 1970450003

Site Name:
Jack Cauldstaur

Comments: photo of dirt piles + Empty Garbage Dumpsters on-site, Not seen in last inspection

Photo #: 2 Roll #: 89-57

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D887391
SAMPLING POINT DESC. : JOLIET/CARLSTROM/WILL CO/L201

SUBMITTING SOURCE # : SITE # : 1970-5J003
DATE COLLECTED : 880909 TIME COLLECTED : 1035 SAMPLING PROGRAM :

COLLECTED BY : D BRUMFIELD DELIVERED BY : CMS
COMMENTS : VOC/ORGANICS (PEST,PCB'S,ENA'S)
FUNDING CODE : LP43 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : - REPORTING INDICATOR :

DATE RECEIVED : 9.09 TIME RECEIVED : 1000 RECEIVED BY : D V
LAB OBSERVATIONS : 1 GAL & 2 VOC TRIP BL SAMP : D887392
SUPERVISORS INITIALS : JTM NOTE : K = LESS THAN VALUE

| | | |
|---|---|---|
| P39340 | GAMMA-BHC (LINDANE) | UG/L : .05K |
| P39410 | HEPTACHLOR | UG/L : .05K |
| P39330 | ALDRIN | UG/L : .05K |
| P39420 | HEPTACHLOR EPOXIDE | UG/L : .05K |
| P39340 | ALPHA-CHLORDANE | UG/L : .05K |
| P39510 | GAMMA-CHLORDANE | UG/L : .05K |
| P39300 | DIELDRIN | UG/L : .05K |
| P39390 | ENDRIN | UG/L : .05K |
| P39480 | METHOXYCHLOR | UG/L : .05K |
| P39327 | 4,4'-DDE | UG/L : .05K |
| P39320 | 2,4'-DDE | UG/L : .05K |
| P39315 | 4,4'-DDD | UG/L : .05K |
| P39310 | 2,4'-DDD | UG/L : .05K |
| P39305 | 4,4'-DDT | UG/L : .05K |
| P39300 | 2,4'-DDT | UG/L : .05K |
| P39510 | TOTAL PCBS | UG/L : 0.0K |
| P34694 | PHENOL | UG/L : 5.0K |
| P34273 | BIS(2-CHLOROISOPROPYL)ETHER | UG/L : 5.0K |
| P34585 | 2-CHLOROPHENOL | UG/L : 5.0K |
| P34566 | 1,3-DICHLOROBENZENE | UG/L : 5.0K |
| P34571 | 1,4-DICHLOROBENZENE | UG/L : 5.0K |
| P77147 | BENZYL ALCOHOL | UG/L : 5.0K |
| P34566 | 1,2-DICHLOROBENZENE | UG/L : 5.0K |
| A00000 | 2-METHYLPHENOL | UG/L : 5.0K |
| P34283 | BIS(2-CHLOROISOPROPYL)ETHER | UG/L : 5.0K |
| A00000 | 4-METHYLPHENOL | UG/L : 5.0K |
| P34433 | N-NITROSO-DI-N-PROPYLAMINE | UG/L : 5.0K |
| P34396 | HEXACHLOROETHANE | UG/L : 5.0K |
| P34447 | NITROBENZENE | UG/L : 5.0K |

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D867391
SAMPLING POINT DESC. : JOLIET/CARLSTROM/WILL CO/L201

SUBMITTING SOURCE # : SITE # : 1970450003
DATE COLLECTED : 880909 TIME COLLECTED : 1036 SAMPLING PROGRAM :

COLLECTED BY : D BROMFIELD DELIVERED BY : CMS
COMMENTS : VOC/ORGANICS (PEST/PCB'S/BNA'S)
FUNDING CODE : LP43 AGENCY ROUTING : UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : REPORTING INDICATOR :

DATE RECEIVED : 880913 TIME RECEIVED : 1000 RECEIVED BY : D V
LAB OBSERVATIONS : 1 GAL & 2 VOC TRIP BL SAM# : D867392
SUPERVISORS INITIALS : JTH NOTE : K = LESS THAN VALUE

| | | | |
|---|---|---|---|
| P39340 | GAMMA-BHC (LINDANE) | UG/L | : .05K |
| P39410 | HEPTACHLOR | UG/L | : .05K |
| P39330 | ALDRIN | UG/L | : .05K |
| P39420 | HEPTACHLOR EPOXIDE | UG/L | : .05K |
| P39348 | ALPHA-CHLORDANE | UG/L | : .05K |
| P39810 | GAMMA-CHLORDANE | UG/L | : .05K |
| P39380 | DIELDRIN | UG/L | : .05K |
| P39390 | ENDRIN | UG/L | : .05K |
| P39480 | METHOXYCHLOR | UG/L | : .25K |
| P39327 | O,P'-DDE | UG/L | : .05K |
| P39320 | P,P'-DDE | UG/L | : .05K |
| P39315 | O,P'-DDD | UG/L | : .05K |
| P39310 | P,P'-DDD | UG/L | : .05K |
| P39305 | O,P'-DDT | UG/L | : .05K |
| P39300 | P,P'-DDT | UG/L | : .05K |
| P39516 | TOTAL PCBS | UG/L | : 0.3K |
| P34694 | PHENOL | UG/L | : 5.0K |
| P34273 | BIS(2-CHLOROETHYL)ETHER | UG/L | : 5.0K |
| P34586 | 2-CHLOROPHENOL | UG/L | : 5.0K |
| P34566 | 1,3-DICHLOROBENZENE | UG/L | : 5.0K |
| P34571 | 1,4-DICHLOROBENZENE | UG/L | : 5.0K |
| P77147 | BENZYL ALCOHOL | UG/L | : 5.0K |
| P34536 | 1,2-DICHLOROBENZENE | UG/L | : 5.0K |
| A00000 | 2-METHYLPHENOL | UG/L | : 5.0K |
| P34283 | BIS(2-CHLOROISOPROPYL)ETHER | UG/L | : 5.0K |
| A00000 | 4-METHYLPHENOL | UG/L | : 5.0K |
| P34426 | N-NITROSO-DI-N-PROPYLAMINE | UG/L | : 5.0K |
| P34396 | HEXACHLOROETHANE | UG/L | : 5.0K |
| P34447 | NITROBENZENE | UG/L | : 5.0K |

SAMPLE NUMBER : 0867391

| | | | |
|---|---|---|---|
| P34408 | ISOPHORONE | UG/L | : 5.0K |
| P34591 | 2-NITROPHENOL | UG/L | : 5.0K |
| P34606 | 2,4-DIMETHYLPHENOL | UG/L | : 5.0K |
| P77247 | BENZOIC ACID | UG/L | : 50K |
| P34278 | BIS(2-CHLOROETHOXY)METHANE | UG/L | : 5.0K |
| P34601 | 2,4-DICHLOROPHENOL | UG/L | : 5.0K |
| P34551 | 1,2,4-TRICHLOROBENZENE | UG/L | : 5.0K |
| P34696 | NAPHTHALENE | UG/L | : 5.0K |
| A00000 | 4-CHLOROANILINE | UG/L | : 5.0K |
| P34391 | HEXACHLOROBUTADIENE | UG/L | : 5.0K |
| P34452 | 4-CHLORO-3-METHYLPHENOL | UG/L | : 5.0K |
| P77416 | 2-METHYLNAPHTHALENE | UG/L | : 5.0K |
| P34386 | HEXACHLOROCYCLOPENTADIENE | UG/L | : 5.0K |
| P34621 | 2,4,6-TRICHLOROPHENOL | UG/L | : 5.0K |
| P77687 | 2,4,5-TRICHLOROPHENOL | UG/L | : 5.0K |
| P34581 | 2-CHLORONAPHTHALENE | UG/L | : 5.0K |
| A00000 | 2-NITROANILINE | UG/L | : 10K |
| P34341 | DIMETHYLPHTHALATE | UG/L | : 5.0K |
| P34200 | ACENAPHTHYLENE | UG/L | : 5.0K |
| P34626 | 2,6-DINITROTOLUENE | UG/L | : 5.0K |
| P78300 | 3-NITROANILINE | UG/L | : 10K |
| P34205 | ACENAPHTHENE | UG/L | : 5.0K |
| P34616 | 2,4-DINITROPHENOL | UG/L | : 10K |
| P34646 | 4-NITROPHENOL | UG/L | : 10K |
| P81302 | DIBENZOFURAN | UG/L | : 5.0K |
| P34611 | 2,4-DINITROTOLUENE | UG/L | : 5.0K |
| P34336 | DIETHYLPHTHALATE | UG/L | : 5.0K |
| P34641 | 4-CHLOROPHENYL PHENYL ETHER | UG/L | : 5.0K |
| P34381 | FLUORENE | UG/L | : 5.0K |
| A00000 | 4-NITROANILINE | UG/L | : 10K |
| A00000 | 4,6-DINITRO-2-METHYLPHENOL | UG/L | : 10K |
| P34636 | 4-BROMOPHENYL PHENYL ETHER | UG/L | : 5.0K |
| P39700 | HEXACHLOROBENZENE | UG/L | : 5.0K |
| P39032 | PENTACHLOROPHENOL | UG/L | : 10K |
| P34461 | PHENANTHRENE | UG/L | : 5.0K |
| P34220 | ANTHRACENE | UG/L | : 5.0K |
| P39110 | DI-N-BUTYLPHTHLATE | UG/L | : 5.0K |
| P34376 | FLUORANTHENE | UG/L | : 5.0K |
| P34469 | PYRENE | UG/L | : 5.0K |
| P34292 | BUTYL BENZYL PHTHALATE | UG/L | : 5.0K |
| P34631 | 3,3'-DICHLOROBENZIDINE | UG/L | : 10K |
| P34526 | BENZO(A)ANTHRACENE | UG/L | : 5.0K |
| P34320 | CHRYSENE | UG/L | : 5.0K |

SAMPLE NUMBER : D867391

| | | | |
|---|---|---|---|
| P39100 | BIS(2-ETHYLHEXYL)PHTHALATE | UG/L | : 5.0K |
| P34596 | DI-N-OCTYLPHTHALATE | UG/L | : 5.0K |
| P34230 | BENZO(B)FLUORANTHENE | UG/L | : 5.0K |
| P34242 | BENZO(K)FLUORANTHENE | UG/L | : 5.0K |
| P34247 | BENZO(A)PYRENE | UG/L | : 5.0K |
| P34403 | INDENO(1,2,3-CD)PYRENE | UG/L | : 5.0K |
| P34556 | DIBENZO(AH)ANTHRACENE | UG/L | : 5.0K |
| P34521 | BENZO(GHI)PERYLENE | UG/L | : 5.0K |
| P34418 | CHLOROMETHANE | UG/L | : 10K |
| P34413 | BROMOMETHANE | UG/L | : 10K |
| P39175 | VINYL CHLORIDE | UG/L | : 10K |
| P34311 | CHLOROETHANE | UG/L | : 10K |
| P34423 | METHYLENE CHLORIDE | UG/L | : 5.0K |
| P81552 | ACETONE | UG/L | : 10K |
| P34488 | TRICHLOROFLUOROMETHANE | UG/L | : 5.0K |
| P77277 | BROMOCHLOROMETHANE | UG/L | : 5.0K |
| P77041 | CARBON DISULFIDE | UG/L | : 5.0K |
| P34501 | 1,1-DICHLOROETHYLENE | UG/L | : 5.0K |
| P34496 | 1,1-DICHLOROETHANE | UG/L | : 5.0K |
| P34546 | TRANS-1,2-DICHLOROETHYLENE | UG/L | : 5.0K |
| P77093 | CIS-1,2-DICHLOROETHYLENE | UG/L | : 5.0K |
| P32106 | CHLOROFORM | UG/L | : 5.0K |
| P34531 | 1,2-DICHLOROETHANE | UG/L | : 5.0K |
| P81595 | 2-BUTANONE(MEK) | UG/L | : 10K |
| P34506 | 1,1,1-TRICHLOROETHANE | UG/L | : 5.0K |
| P32102 | CARBON TETRACHLORIDE | UG/L | : 5.0K |
| P77057 | VINYL ACETATE | UG/L | : 10K |
| P32101 | DICHLOROBROMOMETHANE | UG/L | : 5.0K |
| P34541 | 1,2-DICHLOROPROPANE | UG/L | : 5.0K |
| P34704 | CIS-1,3-DICHLOROPROPENE | UG/L | : 5.0K |
| P39180 | TRICHLOROETHYLENE | UG/L | : 5.0K |
| P32105 | CHLORODIBROMOMETHANE | UG/L | : 5.0K |
| P34511 | 1,1,2-TRICHLOROETHANE | UG/L | : 5.0K |
| P78124 | BENZENE | UG/L | : 5.0K |
| P34699 | TRANS-1,3-DICHLOROPROPENE | UG/L | : 5.0K |
| P34576 | 2-CHLOROETHYLVINYL ETHER | UG/L | : 5.0K |
| P32104 | BROMOFORM | UG/L | : 5.0K |
| P78133 | 4-METHYL-2-PENTANONE(MIBK) | UG/L | : 10K |
| P77103 | 2-HEXANONE(MBK) | UG/L | : 10K |
| P34475 | TETRACHLOROETHYLENE | UG/L | : 5.0K |
| P34516 | 1,1,2,2-TETRACHLOROETHANE | UG/L | : 5.0K |
| P78131 | TOLUENE | UG/L | : 5.0K |

SAMPLE NUMBER : 0867391

| | | | |
|---|---|---|---|
| P34301 | CHLOROBENZENE | UG/L | : 5.0K |
| P78113 | ETHYLBENZENE | UG/L | : 5.0K |
| P77128 | STYRENE | UG/L | : 5.0K |
| P81551 | XYLENE | UG/L | : 5.0K |
| P72019 | DEPTH TO WATER | FT | : -- |
| P71993 | ELEV.OF GW SURFACE | FT | : -- |
| P72008 | WELL DEPTH,TOTAL | FT | : -- |
| P00431 | ALKALINITY,TOTAL | MG/L | : -- |
| P00090 | REDOX POTEN.-FIELD | MV | : -- |
| P00400 | PH,FIELD | UNITS | : -- |
| P00094 | COND.(EC)FIELD | UM/CM | : -- |
| P00010 | TEMPERATURE,WATER | DEG.C | : -- |

: THE FOLLOWING QUANTITATIONS ARE APPROXIMATE

| | | |
|---|---|---|
| : TETRAHYDROFURAN | UG/L | ; 9 |
| : TRIMETHYLBICYCLOHEPTANONE# | UG/L | ; 23 |
| : NAPHTHALIC ANHYDRIDE# | UG/L | ; 16 |
| : OTHER ORGANIC COMPOUNDS | UG/L | ; 630 |

: #TENTATIVE IDENTIFICATION

92112001 3

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D867392
SAMPLING POINT DESC. : BLANK W/67391

SUBMITTING SOURCE # : SITE # : 1970450003
DATE COLLECTED : 880909 TIME COLLECTED : 1036 SAMPLING PROGRAM :

COLLECTED BY : D BROMFIELD DELIVERED BY : CMS
COMMENTS : VOC'S
FUNDING CODE : LP43 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : - REPORTING INDICATOR :

DATE RECEIVED : 880913 TIME RECEIVED : 1000 RECEIVED BY : D V
LAB OBSERVATIONS : 1 BLANK TRIP BL SAM# :
SUPERVISORS INITIALS : JTH NOTE : K = LESS THAN VALUE

| | | | |
|---|---|---|---|
| P34418 | CHLOROMETHANE | UG/L | : 10K |
| P34413 | BROMOMETHANE | UG/L | : 10K |
| P39175 | VINYL CHLORIDE | UG/L | : 10K |
| P34311 | CHLOROETHANE | UG/L | : 10K |
| P34423 | METHYLENE CHLORIDE | UG/L | : 5.0K |
| P81552 | ACETONE | UG/L | : 10K |
| P34488 | TRICHLOROFLUOROMETHANE | UG/L | : 5.0K |
| P77277 | BROMOCHLOROMETHANE | UG/L | : 5.0K |
| P77041 | CARBON DISULFIDE | UG/L | : 5.0K |
| P34501 | 1,1-DICHLOROETHYLENE | UG/L | : 5.0K |
| P34496 | 1,1-DICHLOROETHANE | UG/L | : 5.0K |
| P34546 | TRANS-1,2-DICHLOROETHYLENE | UG/L | : 5.0K |
| P77093 | CIS-1,2-DICHLOROETHYLENE | UG/L | : 5.0K |
| P32106 | CHLOROFORM | UG/L | : 5.0K |
| P34531 | 1,2-DICHLOROETHANE | UG/L | : 5.0K |
| P81595 | 2-BUTANONE(MEK) | UG/L | : 10K |
| P34506 | 1,1,1-TRICHLOROETHANE | UG/L | : 5.0K |
| P32102 | CARBON TETRACHLORIDE | UG/L | : 5.0K |
| P77057 | VINYL ACETATE | UG/L | : 10K |
| P32101 | DICHLOROBROMOMETHANE | UG/L | : 5.0K |
| P34541 | 1,2-DICHLOROPROPANE | UG/L | : 5.0K |
| P34704 | CIS-1,3-DICHLOROPROPENE | UG/L | : 5.0K |
| P39180 | TRICHL ROETHYLENE | UG/L | : 5.0K |
| P32105 | CHLORODIBROMOMETHANE | UG/L | : 5.0K |
| P34511 | 1,1,2-TRICHLOROETHANE | UG/L | : 5.0K |
| P78124 | BENZENE | UG/L | : 5.0K |
| P34699 | TRANS-1,3-DICHLOROPROPENE | UG/L | : 5.0K |
| P34576 | 2-CHLOROETHYLVINYL ETHER | UG/L | : 5.0K |
| P32104 | BROMOFORM | UG/L | : 5.0K |

SAMPLE NUMBER : D867392

| | | | |
|---|---|---|---|
| P78133 | 4-METHYL-2-PENTANONE(MIBK) | UG/L | : 10K |
| P77103 | 2-HEXANONE(MBK) | UG/L | : 10K |
| P34475 | TETRACHLOROETHYLENE | UG/L | : 5.0K |
| P34516 | 1,1,2,2-TETRACHLOROETHANE | UG/L | : 5.0K |
| P78131 | TOLUENE | UG/L | : 5.0K |
| P34301 | CHLOROBENZENE | UG/L | : 5.0K |
| P78113 | ETHYLBENZENE | UG/L | : 5.0K |
| P77128 | STYRENE | UG/L | : 5.0K |
| P81551 | XYLENE | UG/L | : 5.0K |
| P72019 | DEPTH TO WATER | FT | : -- |
| P71993 | ELEV.OF GW SURFACE | FT | : -- |
| P72008 | WELL DEPTH,TOTAL | FT | : -- |
| P00431 | ALKALINITY,TOTAL | MG/L | : -- |
| P00090 | REDOX POTEN.-FIELD | MV | : -- |
| P00400 | PH,FIELD | UNITS | : -- |
| P00094 | COND.(EC)FIELD | UM/CM | : -- |
| P00010 | TEMPERATURE,WATER | DEG.C | : -- |

92112001215

X) Special
1) Soil Sampling Purpose ___
2) Waste
3) Other

Program Code LP 43 Unit Code K

C804858

01 - Special Request
02 - Criminal enforcement
03 - Emergency response
04 - Routine Sampling

Time Collected: 10:36-11:20

Lab #

Date Collected: 9-9-88

SPECIAL ANALYSIS FORM

Date Received 9-9-88

SAMPLE# L201

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY: Will

FILE HEADING: Joliet/Carlstrom

FILE NUMBER: 1970450003

SOURCE OF SAMPLE: (Exact Location) Jack Carlstrom Landfill in Will county, Joliet 6" in diameter water hole, amidst dead & rusty colored vegetation

PHYSICAL OBSERVATIONS, REMARKS:
greenish brown w/ oily sheen. Bubbles observed with mercury & metals preservative bottles

TESTS REQUESTED: metals, totals ~~[illegible]~~ CN, HG

COLLECTED BY: Darren Brumfield TRANSPORTED BY: (initials) DTB

LABORATORY

RECEIVED BY: [illegible] 1:30PM DATE COMPLETED: DATE FORWARDED: NOV -7 1988

J Daugherty

RECEIVED
NOV 9 1988
IEPA-DLPC
Environmental Protection Agency
Division of Laboratory Services
2821 W. Taylor Street
Chicago, Illinois 60612

IL 532-0314
LPC 8A 4/77

C804853

(NOT FOR DATA PROCESSING)

9211120012 16

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : C804858
SAMPLING POINT DESC. : WILL CO. JOLIET/CARLSTROM

SUBMITTING SOURCE # : SITE # : 1970450003
DATE COLLECTED : 880909 TIME COLLECTED : 1036 SAMPLING PROGRAM :

COLLECTED BY : DB DELIVERED BY : DTB
COMMENTS : JACK CARLSTROM LANDFILL IN WILL CO., JOLIET 6" ID WATER HOLE
FUNDING CODE : LP43 AGENCY ROUTING : 00 UNIT CODE :
SAM TYPE CODE : LPSP SAMPLE PURPOSE CODE : 0 REPORTING INDICATOR :

DATE RECEIVED : 880909 TIME RECEIVED : 1330 RECEIVED BY : LJP
LAB OBSERVATIONS : TRIP BL SAM# :
SUPERVISORS INITIALS : JWD NOTE : K = LESS THAN VALUE

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| P00720 | CYANIDE, TOTAL | MG/L : | 0.06 | P01002 | ARSENIC, TOTAL | UG/L : | 5 |
| P01007 | BARIUM, TOTAL | UG/L : | 500 | P01027 | CADMIUM, TOTAL | UG/L : | 5K |
| P01034 | CHROMIUM, TOTAL | UG/L : | 15 | P01042 | COPPER, TOTAL | UG/L : | 15 |
| P01045 | IRON, TOTAL | UG/L : | 18240 | P01051 | LEAD, TOTAL | UG/L : | 50K |
| P01055 | MANGANESE, TOTAL | UG/L : | 642 | P71900 | MERCURY, TOTAL | UG/L : | 0.05K |
| P01067 | NICKEL, TOTAL | UG/L : | 65 | P01147 | SELENIUM, TOTAL | UG/L : | 3 |
| P01077 | SILVER, TOTAL | UG/L : | 6 | P01092 | ZINC, TOTAL | UG/L : | 115 |

9 2 1 1 2 0 0 1 2 1 7

C804857

1) Special
1) Soil
2) Waste
3) Other

Sampling Purpose

Program Code LP 43 Unit Code K

01 - Special Request
02 - Criminal enforcement
03 - Emergency response
04 - Routine Sampling

Time Collected: 10:18 AM Lab #

SPECIAL ANALYSIS FORM

Date Collected: 9-9-88 Date Received 9-9-88

SAMPLE# X101

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY: Will

FILE HEADING: Joliet/Carlstrom

FILE NUMBER: 1970150003

SOURCE OF SAMPLE: (Exact Location) Jack Carlstrom Landfill. - in the midst of dead vegetation near water coming from landfill

PHYSICAL OBSERVATIONS, REMARKS:

Greenish brown soil - rusty colored in spots - saturated

TESTS REQUESTED: Eptox metals

COLLECTED BY: Darren Baumfield TRANSPORTED BY: (initials) DTB

LABORATORY

RECEIVED BY: L Banks 1:30 pm DATE COMPLETED: DATE FORWARDED: FEB -2 1989

J Dougherty

RECEIVED
FEB -6 1989
IEPA/DLPC

Environmental Protection Agency
Division of Laboratory Services
2121 W. Taylor Street
Chicago, Illinois 60612

83

IL 532-0314
LPC 8A 4/77

C804857 (NOT FOR DATA PROCESSING)

9 2 1 1 2 0 0 1 2 1 8

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : C804857
SAMPLING POINT DESC. : WILL CO-JOLIET/CAROL STREAM X101

SUBMITTING SOURCE # : SITE # : 1970450003
DATE COLLECTED : 880909 TIME COLLECTED : 1018 SAMPLING PROGRAM :

COLLECTED BY : DB DELIVERED BY : DTB
COMMENTS :
FUNDING CODE : LP43 AGENCY ROUTING : 00 UNIT CODE :
SAM TYPE CODE : LPEP SAMPLE PURPOSE CODE : 0 REPORTING INDICATOR :

DATE RECEIVED : 880909 TIME RECEIVED : 1330 RECEIVED BY : LJP
LAB OBSERVATIONS : TRIP BL SAM# :
SUPERVISORS INITIALS : JWD NOTE : K = LESS THAN VALJE

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| A10000 | PH,FINAL TOX EXT | UNITS : | 4.9 | A10000 | PH,INITIAL TOX EX | UNITS : | 8.5 |
| A14400 | ARSENIC,EP TOX. | MG/L : | 0.01K | A14500 | BARIUM,EP TOX | MG/L : | 1.7 |
| A14600 | CADMIUM,EP TOX. | MG/L : | 0.151 | A14700 | CHROMIUM,EP TOX. | MG/L : | 0.01K |
| A15100 | LEAD,EP TOXICITY | MG/L : | 0.05K | A15300 | MERCURY,EP TOX. | MG/L : | .0005K |
| A15500 | SELENIUM,EP TOX. | MG/L : | 0.05K | | | | |

9 2 1 1 2 0 0 1 2 1 9

B067393

(X) Special
(1) Soil
(2) Waste
(3) Other

Sampling Purpose ___

Program Code LP 43 Unit Code K

01 - Special Request
02 - Criminal enforcement
03 - Emergency response
04 - Routine Sampling

Time Collected: 10:18 am

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 9-9-88

Date Received SEP 13 1988

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

SAMPLE# X101

COUNTY: Will

FILE HEADING: Joliet/Carlstrom

FILE NUMBER: 1970450003

SOURCE OF SAMPLE: (Exact Location) Joliet, Jackson Carlstrom Landfill. In the midst of dead vegetation near water hole.

PHYSICAL OBSERVATIONS, REMARKS:

Greenish brown soil - rusty colored in spots; saturated.

TESTS REQUESTED: ~~Organic~~ ~~Scan~~ Organic scan ~~E.P. tox metals~~

COLLECTED BY: Lawrence Brumfield TRANSPORTED BY: (initials) DTA

LABORATORY

RECEIVED BY: TN

DATE COMPLETED:

DATE FORWARDED: 10-18-88

J. Hurley

RECEIVED
OCT 19 1988
IEPA-DLPC

IL 532-0314
LPC 8A 4/77

(NOT FOR DATA PROCESSING)

B067393

9211200122 0

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D867393
SAMPLING POINT DESC. : JOLIET/CARLSTROM/WILL CO/X101

SUBMITTING SOURCE # : SITE # : 1970450003
DATE COLLECTED : 880909 TIME COLLECTED : 1018 SAMPLING PROGRAM :

COLLECTED BY : D BROMFIELD DELIVERED BY : CMS
COMMENTS : ORGANIC SCAN
FUNDING CODE : LP43 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : - REPORTING INDICATOR :

DATE RECEIVED : 880913 TIME RECEIVED : 1000 RECEIVED BY : D V
LAB OBSERVATIONS : 1 60Z SOIL TRIP BL SAM# :
SUPERVISORS INITIALS : JTH NOTE : K = LESS THAN VALUE

| | | | |
|---|---|---|---|
| A34694 | PHENOL | UG/G | : 0.5K |
| A34273 | BIS(2-CHLOROETHYL)ETHER | UG/G | : 0.5K |
| A34586 | 2-CHLOROPHENOL | UG/G | : 0.5K |
| A34566 | 1,3-DICHLOROBENZENE | UG/G | : 0.5K |
| A34571 | 1,4-DICHLOROBENZENE | UG/G | : 0.5K |
| A77147 | BENZYL ALCOHOL | UG/G | : 0.5K |
| A34536 | 1,2-DICHLOROBENZENE | UG/G | : 0.5K |
| A00000 | 2-METHYLPHENOL | UG/G | : 0.5K |
| A34283 | BIS(2-CHLOROISOPROPYL)ETHER | UG/G | : 0.5K |
| A00000 | 4-METHYLPHENOL | UG/G | : 0.5K |
| A34428 | N-NITROSO-DI-N-PROPYLAMINE | UG/G | : 0.5K |
| A34396 | HEXACHLOROETHANE | UG/G | : 0.5K |
| A34447 | NITROBENZENE | UG/G | : 0.5K |
| A34403 | ISOPHORONE | UG/G | : 0.5K |
| A34591 | 2-NITROPHENOL | UG/G | : 0.5K |
| A34606 | 2,4-DIMETHYLPHENOL | UG/G | : 0.5K |
| A77247 | BENZOIC ACID | UG/G | : 5.0K |
| A34278 | BIS(2-CHLOROETHOXY)METHANE | UG/G | : 0.5K |
| A34601 | 2,4-DICHLOROPHENOL | UG/G | : 0.5K |
| A34551 | 1,2,4-TRICHLOROBENZENE | UG/G | : 0.5K |
| A34696 | NAPHTHALENE | UG/G | : 0.5K |
| A00000 | 4-CHLOROANILINE | UG/G | : 0.5K |
| A34391 | HEXACHLOROBUTADIENE | UG/G | : 0.5K |
| A34452 | 4-CHLORO-3-METHYLPHENOL | UG/G | : 0.5K |
| A77416 | 2-METHYLNAPHTHALENE | UG/G | : 0.5K |
| A34386 | HEXACHLOROCYCLOPENTADIENE | UG/G | : 0.5K |
| A34621 | 2,4,6-TRICHLOROPHENOL | UG/G | : 0.5K |
| A77687 | 2,4,5-TRICHLOROPHENOL | UG/G | : 0.5K |
| A34581 | 2-CHLORONAPHTHALENE | UG/G | : 0.5K |

SAMPLE NUMBER : 0867393

| | | | |
|---|---|---|---|
| A00000 | 2-NITROANILINE | UG/G | : 1.0K |
| A34341 | DIMETHYLPHTHALATE | UG/G | : 0.5K |
| A34200 | ACENAPHTHYLENE | UG/G | : 0.5K |
| A34626 | 2,6-DINITROTOLUENE | UG/G | : 0.5K |
| A78300 | 3-NITROANILINE | UG/G | : 1.0K |
| A34205 | ACENAPHTHENE | UG/G | : 0.5K |
| A34616 | 2,4-DINITROPHENOL | UG/G | : 1.0K |
| A34646 | 4-NITROPHENOL | UG/G | : 1.0K |
| A81302 | DIBENZOFURAN | UG/G | : 0.5K |
| A34611 | 2,4-DINITROTOLUENE | UG/G | : 0.5K |
| A34336 | DIETHYLPHTHALATE | UG/G | : 0.5K |
| A34641 | 4-CHLOROPHENYL PHENYL ETHER | UG/G | : 0.5K |
| A34381 | FLUORENE | UG/G | : 0.5K |
| A00000 | 4-NITROANILINE | UG/G | : 1.0K |
| A00000 | 4,6-DINITRO-2-METHYLPHENOL | UG/G | : 1.0K |
| A34636 | 4-BROMOPHENYL PHENYL ETHER | UG/G | : 0.5K |
| A39700 | HEXACHLOROBENZENE | UG/G | : 0.5K |
| A39032 | PENTACHLOROPHENOL | UG/G | : 1.0K |
| A34461 | PHENANTHRENE | UG/G | : 1 |
| A34220 | ANTHRACENE | UG/G | : 0.5 |
| A39110 | DI-N-BUTYLPHTHALATE | UG/G | : 0.5K |
| A34376 | FLUORANTHENE | UG/G | : 1.5 |
| A34469 | PYRENE | UG/G | : 1 |
| A34292 | BUTYL BENZYL PHTHALATE | UG/G | : 0.5K |
| A34631 | 3,3'-DICHLOROBENZIDINE | UG/G | : 1.0K |
| A34526 | BENZO(A)ANTHRACENE | UG/G | : 0.7 |
| A34320 | CHRYSENE | UG/G | : 0.6 |
| A39100 | BIS(2-ETHYLHEXYL)PHTHALATE | UG/G | : 0.5K |
| A34596 | DI-N-OCTYLPHTHALATE | UG/G | : 0.5K |
| A34230 | BENZO(B)FLUORANTHENE | UG/G | : 0.5 |
| A34242 | BENZO(K)FLUORANTHENE | UG/G | : 0.5K |
| A34247 | BENZO(A)PYRENE | UG/G | : 0.5 |
| A34403 | INDENO(1,2,3-CD)PYRENE | UG/G | : 0.5 |
| A34556 | DIBENZO(AH)ANTHRACENE | UG/G | : 0.5K |
| A34521 | BENZO(GHI)PERYLENE | UG/G | : 1 |
| A34418 | CHLOROMETHANE | UG/G | : 1.0K |
| A34413 | BROMOMETHANE | UG/G | : 1.0K |
| A39175 | VINYL CHLORIDE | UG/G | : 1.0K |
| A34311 | CHLOROETHANE | UG/G | : 1.0K |
| A34423 | METHYLENE CHLORIDE | UG/G | : 0.5K |
| A81552 | ACETONE | UG/G | : 1.0K |
| A34488 | TRICHLOROFLUOROMETHANE | UG/G | : 0.5K |
| A77277 | BROMOCHLOROMETHANE | UG/G | : 0.5K |