US EPA RECORDS CENTER REGION 5
498886

SAMPLING DATA

Logged

ENVIRONMENTAL PROTECTION AGENCY STATE OF ILLINOIS

DIVISION OF LAND/NOISE POLLUTION CONTROL ANALYSIS FORM

Key for Determining Type of Monitoring Point

(S) Surface Water	(G) Ground Water	(L) Leachate	(X) Special
(1) Upstream	(1) Monitor Well	(1) Flow or seep	(1) Soil
(2) Mid-site	(2) Private well	(2) Pond	(2) Waste
(3) Downstream	(3) Spring	(3) Collection System	(3) Other
(4) Run-off	(4) Lysimeter		
(5) Impounded			

RECEIVED LPC/NPC OCT 3 1977

ENVIRONMENTAL PROTECTION AGENCY STATE OF ILLINOIS

Name (Private Well, Stream, Spring, Impounded Water only) Small creek, tributary of Kickapoo Creek

LPCSM010 (1–8)

SITE INVENTORY NUMBER 1 4 3 8 0 8 0 1 (9–16)

MONITOR POINT NUMBER S 1 0 1 (17–20)

DATE COLLECTED 0 9 0 8 7 7 (21–26)

Peoria Co. - LPC REGION # C (27)

Peoria (Location) / Janson (Responsible Party)

Legal (1); Illegal (2); Indicate One: 2 (28) Board Order (X) (29)

Time Collected 6:20 a.m. p.m. Unable to collect sample (X) (30)

Stick-up ___.___ ft. (31) Depth to water ___.___ ft. (from T.O.C.) (36)

Sample temp. 7 2 ° F (37) (39) Background (X). . . . (40)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) Dip from Surface 3 (41)

Sample Appearance: Clear, no odor

Collector comments:

T. Scotese — Collected by; LPC — Div. or Company

Transported by — Div. or Company

LAB USE ONLY B 10867

Lab No.

Date Rec'd SEP 9 1977

Rec'd by Time 2:15 a.m. p.m.

Sample temp. acceptable YES NO

Sample properly preserved YES NO

Date completed SEP 30 1977

Date [illegible] SEP 30 1977

Approved [illegible]

Name Address of Lab Chemp.

LPCSM020 Lab Comments:

(27)–(36)

(37)–(46)

(47)–(56)

(57)–(66)

(67)–(76)

Private Lab (X) (77)

IEPA Lab (X) (78)

LPCSM030

		PARAMETERS+	PPM*
27	X	Alkalinity[1]	249 .X X X X
31	X	Ammonia as N	0.0 X X
37		Arsenic As	. X
44		Barium Ba	. X X X
		BOD -5	.X X X X
53	X	Boron B	0.4 X X X
58		Cadmium Cd	. X X
64	X	Calcium Ca	150. X X X
69	X	COD	10 .X X X X
73	X	Chloride Cl	61 .X X X X

LPCSM040

27	X	Chromium Cr (tot)	0.00 X X
33		Chromium Cr^{+6}	. X X
39	X	Copper Cu	0.00 X X
45		Cyanide[2] CN	. X
52		Fecal Coli (#/100 ml)	.X X X X
56		Fluoride F	. X X X
61	X	Hardness $CaCO_3$	623 .X X X X
65	X	Iron Fe	0.5 X X X
70	X	Lead Pb	0.00 X X

LPCSM050

27	X	Magnesium Mg	63. X X X
32	X	Manganese Mn	0.17 X X
38	X	Mercury Hg	00000
46		Nickel Ni	. X X X
51		Nitrate-nitrite N	. X X X
56		Oil and Grease	.X X X X
60	X	pH (Units)	X X 8.0 X X X
63		Phenolics	. X
70		Phosphorus P	. X X
76	X	Potassium K	4.3 X X X

LPCSM060

27	X	R.O.E. (180°C)	1000 .X X X X
31		Selenium Se	. X
38		Silver Ag	. X X
44	X	Sodium Na	51. X X X
49		SC (umhos/cm)	.X X X X
53	X	Sulfate SO_4	460. X X X
58	X	Zinc Zn	0.0 X X X
63			.

+Analyses are to be performed on unfiltered samples. *Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

[1]Alkalinity is to be determined as ppm of $CaCO_3$ at pH 4.5.

[2]Cyanide is to be reported as free cyanide.

J-2

Logged

ENVIRONMENTAL PROTECTION AGENCY STATE OF ILLINOIS

DIVISION OF LAND/NOISE POLLUTION CONTROL ANALYSIS FORM

RECEIVED LPC/NPC SEP 1977 ENVIRONMENTAL PROTECTION AGENCY STATE OF ILLINOIS

Key for Determining Type of Monitoring Point

(S) Surface Water	(G) Ground Water	(L) Leachate	(X) Special
(1) Upstream	(1) Monitor Well	(1) Flow or seep	(1) Soil
(2) Mid-site	(2) Private well	(2) Pond	(2) Waste
(3) Downstream	(3) Spring	(3) Collection System	(3) Other
(4) Run-off	(4) Lysimeter		
(5) Impounded			

Name (Private Well, Stream, Spring, Impounded Water only): Small creek, tributary of Kickapoo

I P C G M O 1 0 (1) (8) SITE INVENTORY NUMBER 1 4 3 8 0 8 0 1 (9) (16)

MONITOR POINT NUMBER S 3 0 1 (17) (20) DATE COLLECTED 0 9 0 8 7 7 (21) (26)

Peoria Co. - LPC REGION # C (27)

Peoria (Location) / Janson (Responsible Party)

Legal (1); Illegal (2); Indicate One: 2 (28) Board Order (X) (29)

Time Collected 6:45 (p.m.) Unable to collect sample (X) (30)

Stick-up (31) ___.___ ft. Depth to water (from T.O.C.) ___.___ (36) ft.

Sample temp. 74 (37) °F (39) Background (X). . . . (40)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) Dip from surface 3 (41)

Sample Appearance: Clear; no odor

Collector comments:

T Scotese — Collected by — LPC — Div. or Company

Transported by — Div. or Company

LAB USE ONLY B 10869

Lab No.

Date Rec'd SEP 9 1977

Rec'd by DD Time 2:15 a.m. p.m.

Sample temp. acceptable YES NO

Sample properly preserved YES NO

Date completed SEP 20 1977

Date reviewed SEP 3 1977

Supervisor signature

Name

Address of Lab

LPCSM020 Lab Comments:

(27) ___ (36)

(37) ___ (46)

(47) ___ (56)

(57) ___ (66)

(67) ___ (76)

Private Lab (X) (77)

IEPA Lab (X) (78)

LPCSM030

		PARAMETERS+	PPM*
27	X	Alkalinity[1]	338.X X X X
31	X	Ammonia as N	0.0 X X
37		Arsenic As	. X
44		Barium Ba	. X X X
49		BOD -5	.X X X X
53	X	Boron B	0.5 X X X
58		Cadmium Cd	. X X
64	X	Calcium Ca	180. X X X
69	X	COD	9.X X X X
73	X	Chloride Cl	62.X X X X

LPCSM040

27	X	Chromium Cr (tot)	0.00 X X
33		Chromium Cr^{+6}	. X X
39	X	Copper Cu	0.02 X X
45		Cyanide[2] CN	. X
52		Fecal Coli (#/100 ml)	.X X X X
56		Fluoride F	. X X X
61	X	Hardness $CaCO_3$	749.X X X X
65	X	Iron Fe	0.3 X X X
70	X	Lead Pb	0.00 X X

LPCSM050

27	X	Magnesium Mg	71. X X X
32	X	Manganese Mn	0.10 X X
38	X	Mercury Hg	0.0000
46		Nickel Ni	. X X X
51		Nitrate-nitrite N	. X X X
56		Oil and Grease	.X X X X
60	X	pH (Units)	X X 8.1 X X X
63		Phenolics	. X
70		Phosphorus P	. X X
75	X	Potassium K	4.8 X X X

LPCSM060

27	X	R.O.E. (180°C)	1180.X X X X
31		Selenium Se	. X
38		Silver Ag	. X X
44	X	Sodium Na	58. X X X
49		SC (umhos/cm)	.X X X X
53	X	Sulfate SO_4	540. X X X
58	X	Zinc Zn	0.0 X X X
63			.

+Analyses are to be performed on unfiltered samples. *Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

[1]Alkalinity is to be determined as ppm of $CaCO_3$ at pH 4.5.

[2]Cyanide is to be reported as free cyanide.

J-4

ENVIRONMENTAL PROTECTION AGENCY STATE OF ILLINOIS

DIVISION OF LAND/NOISE POLLUTION CONTROL ANALYSIS FORM

Key for Determining Type of Monitoring Point

(S) Surface Water	(G) Ground Water	(L) Leachate	(X) Special
(1) Upstream	(1) Monitor Well	(1) Flow or seep	(1) Soil
(2) Mid-site	(2) Private well	(2) Pond	(2) Sec
(3) Downstream	(3) Spring	(3) Collection System	(3) Other
(4) Run-off	(4) Lysimeter		
(5) Impounded			

RECEIVED LPC/NPC OCT 3 1977

Name Kickapoo Ck. (Private Well, Stream, Spring, Impounded Water only)

ENVIRONMENTAL PROTECTION AGENCY STATE OF ILLINOIS

L P C S M 0 1 0 (1-8) SITE INVENTORY NUMBER 1 4 5 8 0 2 0 1 (9-16)

MONITOR POINT NUMBER S 1 0 2 (17-20) DATE COLLECTED 0 9 0 8 7 7 (21-26)

Peoria Co. - LPC REGION # C (27)

Peoria / Tanson
(Location) (Responsible Party)

Legal (1); Illegal (2); Indicate One: 2 (28) Board Order (X) (29)

Time Collected 6:10 a.m. p.m. Unable to collect sample (X) (30)

Stick-up (31) ___ ft. Depth to water (from T.O.C.) ___ (36) ft.

Sample temp. 75° F (37) (39) Background (X). . . . (40)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) Dip from surface 3 (41)

Sample Appearance: Clear, no odor

Collector comments:

T. Scotese — Collected by
LPC — Div. or Co.

Transported by — Div. or Co.

LAB USE ONLY

Lab No. B 10866 6°C

Date Rec'd SEP 9 1977

Rec'd by ___ Time 2:13 a.m. p.m.

Sample temp. acceptable YES NO

Sample properly preserved YES NO

Date completed SEP 29 1977

Date [illegible] SEP 30 1977

Supervisor Signature

Name
Address
of Lab

LPCSM020 Lab Comments:

(27) ___ (36)

(37) ___ (46)

(47) ___ (56)

(57) ___ (66)

(67) ___ (76)

Private Lab (X) (77)

IEPA Lab (X) (78)

LPCSM030

		PARAMETERS+	PPM*
27	X	Alkalinity[1]	260
31	X	Ammonia as N	0.1
37		Arsenic As	
44		Barium Ba	
49		BOD -5	
53	X	Boron B	0.2
58		Cadmium Cd	
64	X	Calcium Ca	96
69	X	COD	17
73	X	Chloride Cl	21

LPCSM040

27	X	Chromium Cr (tot)	0.00
33		Chromium Cr^{+6}	
39	X	Copper Cu	0.00
45		Cyanide[2] CN	
52		Fecal Coli (#/100 ml)	
56		Fluoride F	
61	X	Hardness $CaCO_3$	389
65	X	Iron Fe	2.2
70	X	Lead Pb	0.01

LPCSM050

27	X	Magnesium Mg	44
32	X	Manganese Mn	0.25
38	X	Mercury Hg	0.0000
46		Nickel Ni	
51		Nitrate-nitrite N	
56		Oil and Grease	
60	X	pH (Units)	8.3
63		Phenolics	
70		Phosphorus P	
76	X	Potassium K	3.3

LPCSM060

27	X	R.O.E. (180°C)	558
31		Selenium Se	
38		Silver Ag	
44	X	Sodium Na	30
49		SC (umhos/cm)	
53	X	Sulfate SO_4	145
58	X	Zinc Zn	0.0
63			

+Analyses are to be performed on unfiltered samples. *Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

[1]Alkalinity is to be determined as ppm of $CaCO_3$ at pH 4.5.

[2]Cyanide is to be reported as free cyanide.

J-1

ENVIRONMENTAL PROTECTION AGENCY STATE OF ILLINOIS

DIVISION OF LAND/NOISE POLLUTION CONTROL ANALYSIS FORM

Key for Determining Type of Monitoring Point

(S) Surface Water	(G) Ground Water	(L) Leachate	(X) Special
(1) Upstream	(1) Monitor Well	(1) Flow or seep	(1) Soil
(2) Mid-site	(2) Private well	(2) Pond	(2) Waste
(3) Downstream	(3) Spring	(3) Collection System	(3) Other
(4) Run-off	(4) Lysimeter		
(5) Impounded			

RECEIVED LPC/NPC OCT 3 1977 ENVIRONMENTAL PROTECTION AGENCY STATE OF ILLINOIS

Name (Private Well, Stream, Spring, Impoundment) Kickapoo Ck.

L P C S M 0 1 0 (1) (8) SITE INVENTORY NUMBER 1 4 5 2 0 8 0 1 (9) (16)

MONITOR POINT NUMBER 5201 (17) (20) DATE COLLECTED 090877 (21) (26)

Peoria Co. - LPC REGION # C (27)

Peoria (Location) / Janson (Responsible Party)

Legal (1); Illegal (2); Indicate One: 2 (28) Board Order (X) (29)

Time Collected 7:00 a.m. p.m. Unable to collect sample (X) (30)

Stick-up ___.___ ft. (31) Depth to water ___.___ ft. (from T.O.C.) (36)

Sample temp. 73 (37) °F (39) Background (X). . . . (40)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) _____ 1 (41)

Sample Appearance: Clear, no odor

Collector comments:

T. Scotese — Collected by; LPC — Div. or Company

Transported by — Div. or Company

LAB USE ONLY B 10870

Lab No. SEP 9 1977

Date Rec'd

Rec'd by DG Time 2:15 a.m. p.m.

Sample temp. acceptable YES NO

Sample properly preserved YES NO

Date completed SEP 20 1977

Date reviewed SEP 30 1977

Supervisor Signature

Name

Address of Lab

LPCSM020 Lab Comments:

(27) (36)

(37) (46)

(47) (56)

(57) (66)

(67) (76)

Private Lab (X) (77)

IEPA Lab (X) (78)

LPCSM030

		PARAMETERS+	PPM*
27	X	Alkalinity[1]	241 .X X X X
31	X	Ammonia as N	0.0 X X
37		Arsenic As	. X
44		Barium Ba	. X X X
49		BOD -5	.X X X X
53	X	Boron B	0.2 X X X
58		Cadmium Cd	. X X
64	X	Calcium Ca	120. X X X
69	X	COD	43 .X X X X
73	X	Chloride Cl	22 .X X X X

LPCSM040

27	X	Chromium Cr (tot)	0.01 X X
33		Chromium Cr^{+6}	. X X
39	X	Copper Cu	0.09 X X
45		Cyanide[2] CN	. X
52		Fecal Coli (#/100 ml)	.X X X X
56		Fluoride F	. X X X
61	X	Hardness $CaCO_3$	418 .X X X X
65	X	Iron Fe	8.0 X X X
70	X	Lead Pb	0.04 X X

LPCSM050

27	X	Magnesium Mg	50. X X X
32	X	Manganese Mn	0.72 X X
38	X	Mercury Hg	0.0005
46		Nickel Ni	. X X X
51		Nitrate-nitrite N	. X X X
56		Oil and Grease	.X X X X
60	X	pH (Units)	X X 8.3 X X X
63		Phenolics	. X
70		Phosphorus P	. X X
76	X	Potassium K	3.7 X X X

LPCSM060

27	X	R.O.E. (180°C)	567 .X X X X
31		Selenium Se	. X
38		Silver Ag	. X X
44	X	Sodium Na	30. X X X
49		SC (umhos/cm)	.X X X X
53	X	Sulfate SO_4	150. X X X
58	X	Zinc Zn	0.1 X X X
63			.

+Analyses are to be performed on unfiltered samples. *Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

[1]Alkalinity is to be determined as ppm of $CaCO_3$ at pH 4.5.

[2]Cyanide is to be reported as free cyanide.

J-5

ENVIRONMENTAL PROTECTION AGENCY STATE OF ILLINOIS

DIVISION OF LAND/NOISE POLLUTION CONTROL ANALYSIS FORM

Key for Determining Type of Monitoring Point

(S) Surface Water	(G) Ground Water	(L) Leachate	(X) Special
(1) Upstream	(1) Monitor Well	(1) Flow or seep	(1) Other
(2) Mid-site	(2) Private well	(2) Pond	(2) Waste
(3) Downstream	(3) Spring	(3) Collection System	(3) Other
(4) Run-off	(4) Lysimeter		
(5) Impounded			

RECEIVED LPC/NPC OCT 3 1977 ENVIRONMENTAL PROTECTION AGENCY STATE OF ILLINOIS

Kickapoo Ck.

Name (Private Well, Stream, Spring, Impounded Water only)

L P C S M 0 1 0 (1)–(8) SITE INVENTORY NUMBER 1 4 3 8 0 8 0 1 (9)–(16)

MONITOR POINT NUMBER 5 3 0 2 (17)–(20) DATE COLLECTED 0 9 0 8 7 7 (21)–(26)

Peoria Co. - LPC REGION # C (27)

Peoria / Janson
(Location) (Responsible Party)

Legal (1); Illegal (2); Indicate One: 2 (28) Board Order (X) (29)

Time Collected 6:30 a.m. p.m. Unable to collect sample (X) (30)

Stick-up (31) ___ ft. Depth to water (from T.O.C.) ___ (36) ft.

Sample temp. 74 (37) °F (39) Background (X). . . . (40)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) Dip from surface 3 (41)

Sample Appearance: Clear, no odor

Collector comments:

T. Scotese — Collected by
LPC — Div. or Company

" — Transported by
" — Div. or Company

LAB USE ONLY B 10868

Lab No.

Date Rec'd SEP 9 1977

Rec'd by 29 Time 2:15 a.m. p.m.

Sample temp. acceptable YES NO

Sample properly preserved YES NO

Date completed SEP 20 1977

Date forwarded SEP 30 1977

Signature

Name
Address
of Lab CHAMP.

LPCSM020
Lab Comments:

(27)–(36)

(37)–(46)

(47)–(56)

(57)–(66)

(67)–(76)

Private Lab (X) (77)

IEPA Lab (X) (78)

LPCSM030

		PARAMETERS+	PPM*
27	X	Alkalinity[1]	262 .X X X X
31	X	Ammonia as N	0.0 X X
37		Arsenic As	. X
44		Barium Ba	. X X X
		BOD -5	.X X X X
53	X	Boron B	0.2 X X X
58		Cadmium Cd	. X X
64	X	Calcium Ca	98. X X X
69	X	COD	16 .X X X X
73	X	Chloride Cl	21 .X X X X

LPCSM040

27	X	Chromium Cr (tot)	0.00 X X
33		Chromium Cr^{+6}	. X X
39	X	Copper Cu	0.01 X X
45		Cyanide[2] CN	. X
52		Fecal Coli (#/100 ml)	.X X X X
56		Fluoride F	. X X X
61	X	Hardness $CaCO_3$	399 .X X X X
65	X	Iron Fe	1.4 X X X
70	X	Lead Pb	0.00 X X

LPCSM050

27	X	Magnesium Mg	44. X X X
32	X	Manganese Mn	0.19 X X
38	X	Mercury Hg	0.0000
46		Nickel Ni	. X X X
51		Nitrate-nitrite N	. X X X
56		Oil and Grease	.X X X X
60	X	pH (Units)	X X 8.2 X X X
63		Phenolics	. X
70		Phosphorus P	. X X
75	X	Potassium K	3.3 X X X

LPCSM060

27	X	R.O.E. (180°C)	574 .X X X X
31		Selenium Se	. X
36		Silver Ag	. X X
44	X	Sodium Na	28. X X X
49		SC (umhos/cm)	.X X X X
53	X	Sulfate SO_4	151. X X X
58	X	Zinc Zn	0.0 X X X
63			.

*Analyses are to be performed on unfiltered samples. *Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

[1]Alkalinity is to be determined as ppm of $CaCO_3$ at pH 4.5.

[2]Cyanide is to be reported as free cyanide.

J-3

MONITOR POINT SURVEY

Peoria CO./LPC 1 4 3 8 0 8 0 1

Peoria / Jansen

DATE 8/8/77 TIME 6:20 PM SAMPLED BY TRS

MONITOR POINT # S101 (Small creek, tributary of Kickapoo Ck.)

SAMPLE COLLECTED YES (X) NO ( ) TEMPERATURE 72°F

IF "NO"--EXPLAIN _____

TYPE OF SAMPLE (A) BACKGROUND (X)

(B) ROUTINE ( )

(C) SPECIAL ( ) _____

SAMPLE OBTAINED BY (A) BAILING ( )

(B) PUMPING ( )

(C) OTHER (X) Dip from surface

RECHARGE PRIOR TO SAMPLING YES ( ) NO ( )

DIAMETER OF CASING (I.D.) _____

HEIGHT OF CASING TO GROUND _____

TYPE OF CASING _____

DEPTH TO BOTTOM OF WELL _____

DEPTH TO WATER FROM TOP OF CASING _____

CONDITION OF CASING

(A) CRACKED ( )

(B) BENT ( )

(C) CAPPED ( )

(D) VENTED ( )

(E) OTHER _____

TYPE OF BACKFILL

(A) CONCRETE ( )

(B) EARTHEN ( )

(C) OTHER _____

PONDED WATER AROUND CASING YES ( ) NO ( )

ADDITIONAL COMMENTS Collected under R.R. bridge NW of site.

MONITOR POINT SURVEY

Peoria CO./LPC 1 4 3 8 0 8 0 1

Peoria / Jansen

DATE 8/8/77 TIME 6:10 PM SAMPLED BY IRS

MONITOR POINT # S102 (Kickapoo Ck, upstream)

SAMPLE COLLECTED YES (X) NO ( ) TEMPERATURE 75°F

IF "NO"--EXPLAIN

TYPE OF SAMPLE (A) BACKGROUND ( )

(B) ROUTINE ( )

(C) SPECIAL (X) Not req'd monitor point.

SAMPLE OBTAINED BY (A) BAILING ( )

(B) PUMPING ( )

(C) OTHER (X) Dip from surface

RECHARGE PRIOR TO SAMPLING YES ( ) NO ( )

DIAMETER OF CASING (I.D.)

HEIGHT OF CASING TO GROUND

TYPE OF CASING

DEPTH TO BOTTOM OF WELL

DEPTH TO WATER FROM TOP OF CASING

CONDITION OF CASING

(A) CRACKED ( )

(B) BENT ( )

(C) CAPPED ( )

(D) VENTED ( )

(E) OTHER

TYPE OF BACKFILL

(A) CONCRETE ( )

(B) EARTHEN ( )

(C) OTHER

PONDED WATER AROUND CASING YES ( ) NO ( )

ADDITIONAL COMMENTS Collected about 100 yd. downstream of Harmon Hwy. bridge over Kickapoo Creek.

MONITOR POINT SURVEY

Peoria CO./LPC 14380801

Peoria, Jansen

DATE 8/8/77 TIME 7:00 PM SAMPLED BY IRS

MONITOR POINT # S 201

SAMPLE COLLECTED YES (X) NO ( ) TEMPERATURE 73°F

IF "NO"--EXPLAIN

TYPE OF SAMPLE (A) BACKGROUND ( )

(B) ROUTINE ( )

(C) SPECIAL (X) Not reqd monitor point.

SAMPLE OBTAINED BY (A) BAILING (X)

(B) PUMPING ( )

(C) OTHER ( )

RECHARGE PRIOR TO SAMPLING YES ( ) NO ( )

DIAMETER OF CASING (I.D.)

HEIGHT OF CASING TO GROUND

TYPE OF CASING

DEPTH TO BOTTOM OF WELL

DEPTH TO WATER FROM TOP OF CASING

CONDITION OF CASING

(A) CRACKED ( )

(B) BENT ( )

(C) CAPPED ( )

(D) VENTED ( )

(E) OTHER

TYPE OF BACKFILL

(A) CONCRETE ( )

(B) EARTHEN ( )

(C) OTHER

PONDED WATER AROUND CASING YES ( ) NO ( )

ADDITIONAL COMMENTS Collected just off W. bank of Kickapoo Ck, about id-site.

MONITOR POINT SURVEY

Peoria CO./LPC 1438080L

Peoria, Jansen

DATE 8/8/77 TIME 6:30 PM SAMPLED BY TRS

MONITOR POINT # S 302 (Kickapoo Ck, downstream)

SAMPLE COLLECTED YES (X) NO ( ) TEMPERATURE 74°

IF "NO"--EXPLAIN

TYPE OF SAMPLE (A) BACKGROUND ( )

(B) ROUTINE ( )

(C) SPECIAL (X) Not reg'd monitor point.

SAMPLE OBTAINED BY (A) BAILING ( )

(B) PUMPING ( )

(C) OTHER ( )

RECHARGE PRIOR TO SAMPLING YES ( ) NO ( )

DIAMETER OF CASING (I.D.)

HEIGHT OF CASING TO GROUND

TYPE OF CASING

DEPTH TO BOTTOM OF WELL

DEPTH TO WATER FROM TOP OF CASING

CONDITION OF CASING

(A) CRACKED ( )

(B) BENT ( )

(C) CAPPED ( )

(D) VENTED ( )

(E) OTHER

TYPE OF BACKFILL

(A) CONCRETE ( )

(B) EARTHEN ( )

(C) OTHER

PONDED WATER AROUND CASING YES ( ) NO ( )

ADDITIONAL COMMENTS Collected on N. bank of Kickapoo Ck, about 10 yd. upstream from confluence with small creek.

MONITOR POINT SURVEY

Peoria CO./LPC 1438080 1

Peoria / Jansen

DATE 8/3/77 TIME 6:45 PM SAMPLED BY TRS

MONITOR POINT # S 301 (Small creek, tributary of Kickapoo Ck.)

SAMPLE COLLECTED YES (X) NO ( ) TEMPERATURE 74° F

IF "NO"--EXPLAIN _____

TYPE OF SAMPLE (A) BACKGROUND (X)

(B) ROUTINE ( )

(C) SPECIAL ( ) _____

SAMPLE OBTAINED BY (A) BAILING ( )

(B) PUMPING ( )

(C) OTHER (X) Dip from surface

RECHARGE PRIOR TO SAMPLING YES ( ) NO ( )

DIAMETER OF CASING (I.D.) _____

HEIGHT OF CASING TO GROUND _____

TYPE OF CASING _____

DEPTH TO BOTTOM OF WELL _____

DEPTH TO WATER FROM TOP OF CASING _____

CONDITION OF CASING

(A) CRACKED ( )

(B) BENT ( )

(C) CAPPED ( )

(D) VENTED ( )

(E) OTHER _____

TYPE OF BACKFILL

(A) CONCRETE ( )

(B) EARTHEN ( )

(C) OTHER _____

PONDED WATER AROUND CASING YES ( ) NO ( )

ADDITIONAL COMMENTS Not collected at specified Monitor Point (20' N. of confluence) creek has been dammed up. Collected further upstream, just N. of dam.

AJC

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECEIVED
AUG 25 1978
E.P.A. – D.L.P.C.
STATE OF ILLINOIS

Key for Determining Type of Monitor Point

(S) Surface Water	(G) Ground Water	(L) Leachate
(1) Upstream	(1) Monitor Well	(1) Flow
(2) Mid-site	(2) Private well	(2) Pond
(3) Downstream	(3) Spring	(3) Collection
(4) Run-off	(4) Lysimeter	
(5) Impounded	(5) Public W S	

Name (Private Well, Stream, Spring, Impounded Water only) Small stream W. of site – upstream

L P C C M 0 1 0 (1) (8) SITE IDENTIFICATION NUMBER 1438000 (9) (16)

MONITOR POINT NUMBER 5101 (17) (20) DATE COLLECTED 07 31 78 (21) (26)

Peoria Co. - LPC REGION C (27)

Peoria / Jansen
(Location) (nearest intersection)

Legal (1); Illegal (2); Indicate One: 2 (28) Board Order (X) (29)

Time Collected 4:15 a.m. (p.m.) Sample by collector (X) (30)

Stick-up ___ . ___ ft. (31) (33) Depth to water ___ . ___ ft. (from T.O.C.) (34) (36)

Sample temp. 75 (37) °F (39) Background (X). . . . (40)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) Dip 3 (41)

Sample Appearance: Clear, no odor

Collector comments: Collected NW of site under R.R. bridge

T. Scafese — Collected by
LPC — Div. or Company
" — Transported by
" — Div. or Company

LAB USE ONLY
Lab No. B 06241
Date Rec'd AUG 21 1978
Rec'd by [illegible] Time 11:10 a.m. p.m.
Sample temp. acceptable YES NO
Sample properly preserved YES NO
Date completed AUG 23 1978
Date forwarded AUG 24 1978
Schmidt
Name
Address of Lab

LPCCM010 Lab Comments:

(36)
(37) (46)
(47) (56)
(57) (66)
(67) (76)
Private Lab (X)
IEPA Lab (X) X (77) (78)

LPCCM030

	Parameter*	PPM*
	Alkalinity	
X	Ammonia N	0.1X
	Arsenic As	
	Barium Ba	
	Boron B	
X	Cadmium Cd	0.4
	Chromium Cr	
	Copper Cu	
X	Iron Fe	8
	Chloride Cl	

LPCCM040

	Manganese Mn (total)	
	Mercury Hg**	
X	Nickel Ni	0.01
	Nitrate N	
	Nitrite N	
	Phosphorus (ortho) P	
	Potassium K	
	Selenium Se	
X	Silver Ag	0.2
	Sodium Na	

LPCCM050

X	Aluminum Al	66.X
X	Manganese Mn	0.07
X	Zinc Zn	0.0000
	Nitrate N	
	Nitrite-nitrate N	
	Total Phosphorus	
	Total Iron Fe	
	Total Cyanide	
	Total Phenols	
	Total Sulfide	
	Total Chromium	

LPCCM060

X	Total Solids	954
	Total Volatile Solids	
	Total Suspended Solids	
	Total Dissolved Solids	
	Total Hardness	
	Conductivity (micromhos/cm)	
X	Sulfate (SO4)	345.X
	Total Alkalinity	

*Analyses are to be performed on unfiltered samples. XValues exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

*Alkalinity is to be determined as ppm of $CaCO_3$ at pH 4.5.

J-1

LPC-8 REV. 7/77

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECEIVED
AUG 23 1978
E.P.A. – D.L.P.C.
STATE OF ILLINOIS

Key for Determining Type of Monitoring Point

(S) Surface Water	(G) Ground Water	(L) Leachate	(X) Special
(1) Upstream	(1) Monitor Well	(1) Flow or seep	(1) Soil
(2) Mid-site	(2) Private well	(2) Pond	(2) Waste
(3) Downstream	(3) Spring	(3) Collection System	(3) Other
(4) Run-off	(4) Lysimeter		
(5) Impounded	(5) Public W S		

Name (Private Well, Stream, Spring, Impounded Water only) Kickapoo Ck. – upstream

L P C S M 0 1 0 (1)–(8) SITE INVENTORY NUMBER 1 4 3 8 0 1 0 1 (9)–(16)

MONITOR POINT NUMBER 5 1 0 2 (17)–(20) DATE COLLECTED 0 7 3 1 7 8 (21)–(26)

Peoria Co. - LPC REGION C (27)

Peoria / Jensen
(Location) (Responsible Party)

Legal (1); Illegal (2); Indicate One: 2 (28) Board Order (X) (29)

Time Collected 5:15 a.m. p.m. Unable to collect sample (X) (30)

Stick-up (31)__.(33) ft. Depth to water (from T.O.C.) (34)__.(36) ft.

Sample temp. 7 5 (37) ° F (39) Background (X). . . . (40)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) Dip (41) 3

Sample Appearance: Clear, no odor

Collector comments: Collected N. of site, under Route 116 bridge

T. Scotese — Collected by
LPC — Div. or Company

Transported by — Div. or Company

LAB USE ONLY
Lab No. B 05244
Date Rec'd AUG 21 1978
Rec'd by [illegible] Time 11:10 a.m. p.m.
Sample temp. acceptable YES NO
Sample properly preserved YES NO
Date completed AUG 1 8 1978
Date forwarded AUG 21 1978
Supervisor Signature F Schmidt
Name
Address of Lab CHAMPAIGN

LPCSM020 Lab Comments:
(27)–(36)
(37)–(46)
(47)–(56)
(57)–(66)
(67)–(76)
Private Lab (X)
IEPA Lab (X) X (77) (78)

LPCSM030

		PARAMETERS+	PPM*
27		Alkalinity[1]	
31	X	Ammonia as N	0.1
37		Arsenic As	
44		Barium Ba	
49		BOD-5	
53	X	Boron B	0.2
58		Cadmium Cd	
64		Calcium Ca	
69	X	COD	6.
73		Chloride Cl	

LPCSM040

27		Chromium Cr (tot)	
33		Chromium Cr^{+6}	
39	X	Copper Cu	0.04
45		Cyanide CN	
52		Fecal Coli (#/100 ml)	
56		Fluoride F	
61		Hardness $CaCO_3$	
65	X	Iron Fe	0.5
70		Lead Pb	

LPCSM050

27	X	Magnesium Mg	48.
32	X	Manganese Mn	0.09
38	X	Mercury Hg	0.0000
46		Nickel Ni	
51		Nitrate-nitrite N	
56		Oil and Grease	
60		pH (Units)	
63		Phenolics	
70		Phosphorus P	
76		Potassium K	

LPCSM060

27	X	S.O.E. ($CHCl_3$)	564.
31		Selenium Se	
37		Silver Ag	
44		Sodium Na	
49		SC (umhos/cm)	
53	X	Sulfate SO_4	153.
58		Zinc Zn	
63			

+ Analyses are to be performed on unfiltered samples. *Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

[1] Alkalinity is to be determined as ppm of $CaCO_3$ at pH 4.5.

J-4

LPC-8 REV. 7/77

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECEIVED
AUG 23 1978
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

Key for Determining Type of Monitoring Point

(S) Surface Water	(G) Ground Water	(L) Leachate	(X) Special
(1) Upstream	(1) Monitor Well	(1) Flow or seep	
(2) Mid-site	(2) Private well	(2) Pond	(2) Waste
(3) Downstream	(3) Spring	(3) Collection System	(3) Other
(4) Run-off	(4) Lysimeter		
(5) Impounded	(5) Public W S		

Name (Private Well, Stream, Spring, Impounded Water only): Kickapoo Ck. — downstream

L P C S M 0 1 0 (1)–(8)

SITE INVENTORY NUMBER 1 4 3 8 0 8 0 1 (9)–(16)

MONITOR POINT NUMBER S 3 0 2 (17)–(20)

DATE COLLECTED 0 7 3 1 7 8 (21)–(26)

Peoria Co. - LPC

REGION C (27)

Peoria (Location) / Jensen (Responsible Party)

Legal (1); Illegal (2); Indicate One: 2 (28)

Board Order (X) (29)

Time Collected 5:00 a.m. p.m.

Unable to collect sample (X) (30)

Stick-up (31) . (33) ft.

Depth to water (from T.O.C.) (34) . (36) ft.

Sample temp. 75° F (37) (39)

Background (X). . . . (40)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) Pip (41) 3

Sample Appearance: Clear, no odor

Collector comments: Collected near SW corner of site, just downstream from confluence, under RR bridge

T. Scotese — Collected by

LPC — Div. or Company

Transported by

Div. or Company

LAB USE ONLY

Lab No. B 06243

Date Rec'd AUG 21 1978

Rec'd by [illegible] Time 11:10 a.m. p.m.

Sample temp. acceptable YES NO

Sample properly preserved YES NO

Date completed AUG 18 1978

Date forwarded AUG 21 1978

Supervisor T. Schmidt

Name

Address of Lab IPHL

LPCSM020 Lab Comments:

(27)–(36)

(37)–(46)

(47)–(56)

(57)–(66)

(67)–(76)

Private Lab (X) (77)

IEPA Lab (X) (78)

LPCSM030

	PARAMETERS+	PPM*
27	Alkalinity[1]	
31	Ammonia as N	0.1 X
37	Arsenic As	
44	Barium Ba	
49	BOD -5	
53	Boron B	0.2
58	Cadmium Cd	
64	Calcium Ca	
69	COD	10
73	Chloride Cl	

LPCSM040

27	Chromium Cr (tot)	
33	Chromium Cr^{+6}	
39	Copper Cu	0.01
45	Cyanide CN	
52	Fecal Coli (#/100 ml)	
56	Fluoride F	
61	Hardness $CaCO_3$	
65	Iron Fe	0.4
70	Lead Pb	

LPCSM050

27	Magnesium Mg	51.0
32	Manganese Mn	0.09
38	Mercury Hg	0.0000
46	Nickel Ni	
51	Nitrate-nitrite N	
56	Oil and Grease	
60	pH (Units)	
63	Phenolics	
70	Phosphorus P	
75	Potassium K	

LPCSM060

27	T.D.S. (180°C)	604
31	Selenium Se	
[illegible]	Silver Ag	
44	Sodium Na	
49	SC (umhos/cm)	
53	Sulfate SO_4	168
58	Zinc Zn	
63		

+ Analyses are to be performed on unfiltered samples. *Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

[1] Alkalinity is to be determined as ppm of $CaCO_3$ at pH 4.5.

T-3

LPC-8 REV. 7/77

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

RECEIVED
AUG 23 1978
E.P.A. – D.L.P.C.
STATE OF ILLINOIS

Key for Determining Type of Monitor Point

(S) Surface Water	(G) Ground Water	(L) Leachate	(X) Special
(1) Upstream	(1) Monitor Well	(1) Flow on seep	(1) [illegible]
(2) Mid-site	(2) Private well	(2) Pond	(2) Waste
(3) Downstream	(3) Spring	(3) Collection Sy[illegible]	(3) Other
(4) Run-off	(4) Lysimeter		
(5) Impounded	(5) Public W S		

Name (Private Well, Stream, Spring, Impounded Water only): Small stream w. of site – downstream

(1) L P C S M 0 1 0 (8) SITE INVENTORY NUMBER (9) 1 4 3 8 0 8 0 1 (16)

MONITOR POINT NUMBER (17) S 3 0 1 (20) DATE COLLECTED (21) 0 7 3 1 7 8 (26)

Peoria Co. - LPC REGION (27) C

Peoria (Location), Jenson (Responsible Party)

Legal (1); Illegal (2); Indicate One: (28) 2 Board Order (X) (29)

Time Collected 4:40 a.m. p.m. Unable to collect sample (X) (30)

Stick-up (31) . (33) ft. Depth to water (from T.O.C.) (34) . (36) ft.

Sample temp. (37) 7 5 ° (39) F Background (X). . . . (40)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) Dip (41) 3

Sample Appearance: Clear, no odor

Collector comments: Collected near SW corner of site, just upstream (N.) of confluence w. Kickapoo

T. Scafese — Collected by; LPC — Div. or Company

" — Transported by; " — Div. or Company

LAB USE ONLY
Lab No. B 06242
Date Rec'd AUG 21 1978
Rec'd by AB Time 11:10 a.m. p.m.
Sample temp. acceptable YES NO
Sample properly preserved YES NO
Date completed AUG 1 1978
Date forwarded AUG 21 1978
Supervisor [illegible]
Name CHAMPAIGN
Address of Lab

LPCSM020 Lab Comments:
(27) – (36)
(37) – (46)
(47) – (56)
(57) – (66)
(67) – (76)
Private Lab (X)
IEPA Lab (X) (77) (78)

LPCSM030

		PARAMETERS+	PPM*
27		Alkalinity[1]	.
31	X	Ammonia as N	0.1
37		Arsenic As	.
44		Barium Ba	.
49		BOD-5	.
53	X	Boron B	0.4
58		Cadmium Cd	.
64		Calcium Ca	.
69	X	COD	8.
73		Chloride Cl	.

LPCSM040

27		Chromium Cr (tot)	.
33		Chromium Cr^{+6}	.
39	X	Copper Cu	0.02
45		Cyanide CN	.
52		Fecal Coli (#/100 ml)	.
56		Fluoride F	.
61		Hardness $CaCO_3$	.
65	X	Iron Fe	1.0
70		Lead Pb	.

LPCSM050

27	X	Magnesium Mg	~~126~~ 65.0
32	X	Manganese Mn	0.24
38	X	Mercury Hg	0.0000
46		Nickel Ni	.
51		Nitrate-nitrite N	.
56		Oil and Grease	.
60		pH (Units)	.
63		Phenolics	.
70		Phosphorus P	.
75		Potassium K	.

LPCSM060

27	X	S.O.E. ($CaCO_3$)	960.
31		Selenium Se	.
[illegible]		Silver Ag	.
44		Sodium Na	.
49		SC (umhos/cm)	.
53	X	Sulfate SO_4	335.X
58		Zinc Zn	.
63			.

+ Analyses are to be performed on unfiltered samples. *Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

[1] Alkalinity is to be determined as ppm of $CaCO_3$ at pH 4.5.

J-2

LPC-8 REV. 7/77

MONITOR POINT SURVEY

Peoria CO./LPC 14380801

Peoria , Jansen

DATE 7/31/78 TIME 5:15 PM SAMPLED BY IRS

MONITOR POINT # S 102 (Kickapoo Ck, upstream)

SAMPLE COLLECTED YES (X) NO ( ) TEMPERATURE ~75°F

IF "NO"--EXPLAIN

TYPE OF SAMPLE (A) BACKGROUND ( )

(B) ROUTINE (X) Not req'd M.P.

(C) SPECIAL ( )

SAMPLE OBTAINED BY (A) BAILING ( )

(B) PUMPING ( )

(C) OTHER (X) Dip.

RECHARGE PRIOR TO SAMPLING YES ( ) NO ( )

DIAMETER OF CASING (I.D.)

HEIGHT OF CASING TO GROUND

TYPE OF CASING

DEPTH TO BOTTOM OF WELL

DEPTH TO WATER FROM TOP OF CASING

CONDITION OF CASING

(A) CRACKED ( )

(B) BENT ( )

(C) CAPPED ( )

(D) VENTED ( )

(E) OTHER

TYPE OF BACKFILL

(A) CONCRETE ( )

(B) EARTHEN ( )

(C) OTHER

PONDED WATER AROUND CASING YES ( ) NO ( )

ADDITIONAL COMMENTS Collected N. of site, under Rte. 116 bridge.

FOR FIELD SURVEY

Peoria CO./LPC 1438080 1

Peoria , Jansen

DATE 7/31/78 TIME 5:00 PM SAMPLED BY TRS

MONITOR POINT # S 302 (Kickapoo Ck., downstream)

SAMPLE COLLECTED YES (X) NO ( ) TEMPERATURE ~75°F

IF "NO"--EXPLAIN

TYPE OF SAMPLE (A) BACKGROUND ( )

(B) ROUTINE (X) Not req'd M.P.

(C) SPECIAL ( )

SAMPLE OBTAINED BY (A) BAILING ( )

(B) PUMPING ( )

(C) OTHER (X) Dip.

RECHARGE PRIOR TO SAMPLING YES ( ) NO ( )

DIAMETER OF CASING (I.D.)

HEIGHT OF CASING TO GROUND

TYPE OF CASING

DPTH TO BOTTOM OF WELL

DPTH TO WATER FROM TOP OF CASING

CONDITION OF CASING

(A) CRACKED ( )

(B) BENT ( )

(C) CAPPED ( )

(D) VENTED ( )

(E) OTHER

TYPE OF BACKFILL

(A) CONCRETE ( )

(B) EARTHEN ( )

(C) OTHER

PONDED WATER AROUND CASING YES ( ) NO ( )

ADDITIONAL COMMENTS Collected SW of site, under R.R. bridge just downstream (W.) of confluence with small stream.

MONITOR POINT SURVEY

Peoria CO./LPC 14380801

Peoria / Janson

DATE 7/31/78 TIME 4:15 PM SAMPLED BY TRS

MONITOR POINT # S101 (Small stream W. of site – upstream)

SAMPLE COLLECTED YES (X) NO ( ) TEMPERATURE ~75°F

IF "NO"--EXPLAIN

TYPE OF SAMPLE (A) BACKGROUND ( )

(B) ROUTINE (X)

(C) SPECIAL ( )

SAMPLE OBTAINED BY (A) BAILING ( )

(B) PUMPING ( )

(C) OTHER (X) Dip.

RECHARGE PRIOR TO SAMPLING YES ( ) NO ( )

DIAMETER OF CASING (I.D.)

HEIGHT OF CASING TO GROUND

TYPE OF CASING

DEPTH TO BOTTOM OF WELL

DEPTH TO WATER FROM TOP OF CASING

CONDITION OF CASING

(A) CRACKED ( )

(B) BENT ( )

(C) CAPPED ( )

(D) VENTED ( )

(E) OTHER

TYPE OF BACKFILL

(A) CONCRETE ( )

(B) EARTHEN ( )

(C) OTHER

PONDED WATER AROUND CASING YES ( ) NO ( )

ADDITIONAL COMMENTS Collected under R.R. bridge NW of site.

MONITOR POINT SURVEY

Peoria CO./LPC 1438080 1

Peoria , Janson

DATE 7/31/78 TIME 4:40 PM SAMPLED BY TRS

MONITOR POINT # S 301 (Small stream W. of site — downstream)

SAMPLE COLLECTED YES (X) NO ( ) TEMPERATURE ~75°F

IF "NO"--EXPLAIN

TYPE OF SAMPLE (A) BACKGROUND ( )

(B) ROUTINE (X)

(C) SPECIAL ( )

SAMPLE OBTAINED BY (A) BAILING ( )

(B) PUMPING ( )

(C) OTHER (X) Dip.

RECHARGE PRIOR TO SAMPLING YES ( ) NO ( )

DIAMETER OF CASING (I.D.)

HEIGHT OF CASING TO GROUND

TYPE OF CASING

DEPTH TO BOTTOM OF WELL

DEPTH TO WATER FROM TOP OF CASING

CONDITION OF CASING

(A) CRACKED ( )

(B) BENT ( )

(C) CAPPED ( )

(D) VENTED ( )

(E) OTHER

TYPE OF BACKFILL

(A) CONCRETE ( )

(B) EARTHEN ( )

(C) OTHER

PONDED WATER AROUND CASING YES ( ) NO ( )

ADDITIONAL COMMENTS Collected near SW corner of site, just upstream (N.) of confluence with Kickapoo Ck, on W. bank. East bank was inaccessible because of [illegible]

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

Key for Determining Type of Monitoring Point

(S) Surface Water	(G) Ground Water	(L) Leachate	(X) Special
(1) Upstream	(1) Monitor Well	(1) Flow or seep	(1) Soil
(2) Mid-site	(2) Private well	(2) Pond	(2) Waste
(3) Downstream	(3) Spring	(3) Collection System	(3) Other
(4) Run-off	(4) Lysimeter		
(5) Impounded	(5) Public W S		

Name N part of site. (Private Well, Stream, Spring, Impounded Water only)

L P C S M 0 1 0 (1)–(8) SITE INVENTORY NUMBER 1 4 3 8 0 8 0 1 (9)–(16)

MONITOR POINT NUMBER S 1 0 1 (17)–(20) DATE COLLECTED 1 0 3 0 7 9 (21)–(26)

PEORIA Co. - LPC REGION C (27)

PEORIA (Location) / JANSON (Responsible Party)

Legal (1); Illegal (2); Indicate One: 2 (28) Board Order (X) (29)

Time Collected 2:40 p.m. Unable to collect sample (X) (30)

Stick-up ___ . ___ ft. (31) (33) Depth to water ___ . ___ ft. (from T.O.C.) (34) (36)

Sample temp. 55° F (37) (39) Background (X). . . . (40)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) dip (41) 3

Sample Appearance: Clear + no odor.

Collector comments: Approx 100yds downstream from Rte 116 bridge.

A. Foiselle — Collected by
DLPC — Div. or Company
" — Transported by
" — Div. or Company

LAB USE ONLY

Lab No. 10771

Date Rec'd OCT 31 1979

Rec'd by [illegible] Time 3:05 p.m.

Sample temp. acceptable YES NO

Sample properly preserved YES NO

Date completed

Date forwarded NOV 26 1979

Supervisor Signature

Name

Address of Lab

LPCSM020
Lab Comments:

(27)–(36)

(37)–(46)

(47)–(56)

(57)–(66)

(67)–(76)

Private Lab (X)

IEPA Lab (X) X (77) (78)

LPCSM030

		PARAMETERS+	PPM*
27	X	Alkalinity[1]	325.
31	X	Ammonia as N	0.0
37		Arsenic As	.
44		Barium Ba	.
49		BOD-5	.
53	X	Boron B	0.2
59		Cadmium Cd	.
64	X	Calcium Ca	110.
69	X	COD	12
73	X	Chloride Cl	23.

LPCSM040

27	X	Chromium Cr (tot)	0.00
33		Chromium Cr^{+6}	.
39	X	Copper Cu	0.00
45		Cyanide CN	.
52		Fecal Coli (MPN/100 ml)	.
56		Fluoride F	.
61	X	Hardness $CaCO_3$	528.
65	X	Iron Fe	0.42
70	X	Lead Pb	0.0

LPCSM050

27	X	Magnesium Mg	61.
32	X	Manganese Mn	0.24
38	X	Mercury Hg	0.0000
46		Nickel Ni	.
51		Nitrate-nitrite N	.
56		Oil and Grease	.
60	X	pH (Units)	8.2
63	X	Phenolics	0.000
70		Phosphorus P	.
76	X	Potassium K	3.7

LPCSM060

27	X	Total Solids	642.
31		Selenium Se	.
[illegible]		Silver Ag	.
44	X	Sodium Na	42.
49		SC (micromhos/cm)	.
53	X	Sulfate SO_4	231.
58	X	Zinc Zn	0.01
63		[illegible]	[illegible]

[1]Alkalinity is to be determined as ppm of $CaCO_3$ at pH 4.5.

+Analyses are to be performed on unfiltered samples. *Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

ROUTINE

NOV [illegible] 1979
[illegible] P.C.
STATE OF ILLINOIS

LPC-8 REV. 7/77

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL
CHEMICAL ANALYSIS FORM

Key for Determining Type of Monitoring Point

(S) Surface Water	(G) Ground Water	(L) Leachate	(X) Special
(1) Upstream	(1) Monitor Well	(1) Flow or seep	(1) Soil
(2) Mid-site	(2) Private well	(2) Pond	(2) Waste
(3) Downstream	(3) Spring	(3) Collection System	(3) Other
(4) Run-off	(4) Lysimeter		
(5) Impounded	(5) Public W S		

Name SE part of site. (Private Well, Stream, Spring, Impounded Water only)

(1) L P C S M 0 1 0 (8) SITE INVENTORY NUMBER (9) 1 4 3 8 0 8 0 1 (16)

MONITOR POINT NUMBER (17) S 3 0 1 (20) DATE COLLECTED (21) 1 0 3 0 7 9 (26)

PEORIA Co. - LPC REGION C (27)

PEORIA (Location) / JANSON (Responsible Party)

Legal (1); Illegal (2); Indicate One: 2 (28) Board Order (X) (29)

Time Collected 3:00 a.m. p.m. Unable to collect sample (X) (30)

Stick-up (31) . (33) ft. Depth to water (from T.O.C.) (34) . (36) ft.

Sample temp. 55° (37) F (39) Background (X). . . . (40)

Ground water sampled by (Indicate one): (1) Bailing; (2) Pumping; (3) Other (Specify) dip (41) 3

Sample Appearance: Clear + no odor.

Collector comments: Sampled collected approx. 15 yds upstream of RR bridge.

A. Lorielle — Collected by
DLPC — Div. or Company
" — Transported by
" — Div. or Company

LAB USE ONLY
Lab No. 10 1 35
Date Rec'd OCT 31 1979
Rec'd by Time 3:05 p.m.
Sample temp. acceptable YES NO
Sample properly preserved YES NO
Date completed
Date forwarded NOV 26 1979
Supervisor Signature
Name
Address of Lab

LPCSM020
Lab Comments:
(27) — (36)
(37) — (46)
(47) — (56)
(57) — (66)
(67) — (76)
Private Lab (X)
IEPA Lab (X) X (77) (78)

		PARAMETERS*	PPM*
		LPCSM030	
27	X	Alkalinity[1]	323.
31	X	Ammonia as N	0.0
37		Arsenic As	.
44		Barium Ba	.
49		BOD-5	.
53	X	Boron B	0.2
58		Cadmium Cd	.
64	X	Calcium Ca	100.
69	X	COD	11.
73	X	Chloride Cl	24.
		LPCSM040	
27	X	Chromium Cr (tot)	0.00
33		Chromium Cr+6	.
39	X	Copper Cu	0.00
45		Cyanide CN	.
52		Fecal Coli	.
56		Fluoride F	.
61	X	Hardness $CaCO_3$	546.
65	X	Iron Fe	0.48
70	X	Lead Pb	0.0
		LPCSM050	
27	X	Magnesium Mg	60.
32	X	Manganese Mn	0.34
38	X	Mercury Hg	0.0000
46		Nickel Ni	.
51		Nitrate-nitrite N	.
56		Oil and Grease	.
60	X	pH (Units)	8.2
63	X	Phenolics	0.000
70		Phosphorus P	.
76	X	Potassium K	3.9
		LPCSM060	
27	X	S.A.R. ($CaCO_3$)	704.
31		Selenium Se	.
		Silver Ag	.
44	X	Sodium Na	44.
49		SC (umhos/cm)	.
53	X	Sulfate SO_4	236.
58	X	Zinc Zn	0.0
63			

*Analyses are to be performed on unfiltered samples. *Values exceeding no. of places shown are reported in the lab comments section; tests requested but not run should also be explained in the lab comments section.

[1]Alkalinity is to be determined as ppm of $CaCO_3$ at pH 4.5.

ROUTINE

NOV 29 1979
IEPA - DLPC
STATE OF ILLINOIS

LPC-8 REV. 7/77

A C

Time Collected: 2:15 pm

Lab # DC15001

SPECIAL ANALYSIS FORM

Date Collected: 9/14/79

Date Received 9/14/79

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Peoria	Peoria / Jansen	1458090 01

SOURCE OF SAMPLE: (Exact Location) - Sample # A"

West Central area, ~~about~~ top of fill, about four feet east of west edge. Two feet below surface.

PHYSICAL OBSERVATIONS, REMARKS: Cracks in ground, blue-white vapors emitting from cracks. Soil around cracks ~~have~~ has been discolored. Soil is much darker in color.

RECEIVED

TESTS REQUESTED: ppm methane present.

SEP 21 1979

E.P.A.
STATE OF ILLINOIS

COLLECTED BY: [illegible] TRANSPORTED BY: [illegible]

LABORATORY

RECEIVED BY: [illegible] DATE COMPLETED: 9/18/79 DATE FORWARDED: 9/19/79 J. Hurley

Methane = 3.9 %

CO_2 = 11.3%

We were unable to confirm carbon monoxide to be present in these samples.

RECEIVED
SEP 26 1979
ILL. E.P.A. – D.L.P.C.
STATE OF ILLINOIS

LPC-8A 4/77 (NOT FOR DATA PROCESSING) DC15001

Time Collected: 2:15 Pm

Lab # DC15003

SPECIAL ANALYSIS FORM

Date Collected: 9/13/79

Date Received 9/14/79

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Peoria	Peoria / Tanner	1958050 01

SOURCE OF SAMPLE: (Exact Location) - Sample #1

West central area, top of fill, about four feet east of west edge. Two feet below surface.

PHYSICAL OBSERVATIONS, REMARKS: Cracks in ground, blue-white vapors emitting from cracks. Soil around cracks has been discolored. Soil is much darker in color.

TESTS REQUESTED: % CO_2 present.

COLLECTED BY: [illegible] TRANSPORTED BY: [illegible]

LABORATORY

RECEIVED BY: J H DATE COMPLETED: 9/18/79 DATE FORWARDED: 9/19/79 J. Hurley

Methane = 2.2 %

Carbon dioxide (CO_2) = 11.4 %

LPC-8A 4/77 (NOT FOR DATA PROCESSING) DC15003

2

DC15003

Time Collected: 3 15 pm

Lab #

SPECIAL ANALYSIS FORM

Date Collected: 9/14/79

Date Received 9/14/79

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Peoria	Peoria / Jackson	1430801

SOURCE OF SAMPLE: (Exact Location) - Sample # 2

West central area, top of fill, about four feet east of west edge. Two feet below surface.

PHYSICAL OBSERVATIONS, REMARKS: Cracks in ground, blue-white vapors emitting from cracks. Soil around cracks has been discolored. Soil is much darker in color.

TESTS REQUESTED: ppm CO present

COLLECTED BY: [illegible] TRANSPORTED BY: [illegible]

LABORATORY

RECEIVED BY: [illegible] DATE COMPLETED: 9/18/79 DATE FORWARDED: 9/19/ [illegible]

STATE OF ILLINOIS

We were unable to confirm the presence of carbon monoxide.

LPC-8A 4/77 (NOT FOR DATA PROCESSING)

DC15003

Time Collected: 2:50PM

Date Collected: 8/17/79

Lab # D014595

SPECIAL ANALYSIS FORM

Date Received AUG 17 1979

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Peoria	Peoria / Janson	14380801

SOURCE OF SAMPLE: (Exact Location)

South end of site - 2' feet below surface

PHYSICAL OBSERVATIONS, REMARKS:

TESTS REQUESTED: CO_2, Methane, CO

COLLECTED BY: [illegible] TRANSPORTED BY: [illegible]

LABORATORY

RECEIVED BY: [illegible] DATE COMPLETED: 8/17/79 DATE FORWARDED: 8/20/79

J. Hurley

Methane - Not detected

CO Not detected

CO_2 = 39 %

Air = 61 %

LPC-8A 4/77 (NOT FOR DATA PROCESSING) D014595

Time Collected: 2:50 PM

Lab # D014596

SPECIAL ANALYSIS FORM

Date Collected: 8/17/79

Date Received AUG 17 1979

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Peoria	Peoria / Janson	14380801

SOURCE OF SAMPLE: (Exact Location)

south end of site - 2' feet below surface
(same location as #1)

PHYSICAL OBSERVATIONS, REMARKS:

TESTS REQUESTED: CO_2, methane, CO

COLLECTED BY: [illegible] TRANSPORTED BY: [illegible]

LABORATORY

RECEIVED BY: [illegible] DATE COMPLETED: 8/17/79 DATE FORWARDED: 8/20/79

J. Hurley

Methane Not detected
CO " "
CO_2 = 37%
Air = 63%

LPC-8A 4/77 (NOT FOR DATA PROCESSING)

D014596

1A

Time Collected: 11:30A

Date Collected: 8/9/79

Lab # DC14514

SPECIAL ANALYSIS FORM

Date Received AUG 9 1979

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Peoria	Peoria / Janson	14380801

SOURCE OF SAMPLE: (Exact Location)

Air sample collected at ground level at west central edge of fill ≈ 4' down slope from top.

PHYSICAL OBSERVATIONS, REMARKS: Sample collected in glass bottle which had been evacuated of air prior sampling.

TESTS REQUESTED: Determine if products of combustion are present in sample.

COLLECTED BY: MM Nienkerk TRANSPORTED BY: MM Nienkerk

LABORATORY

RECEIVED BY: TW/JR DATE COMPLETED: 8/13/79 DATE FORWARDED: 8/17/79 J Hurley

Carbon dioxide CO_2 = 1.6 %

RECEIVED
LPC/NPC
SEP 27 1979
ENVIRONMENTAL PROTECTION AGENCY
STATE OF ILLINOIS

RECEIVED
SEP 26 1979
ILL. E.P.A. – D.L.P.C.
STATE OF ILLINOIS

LPC-8A 4/77 (NOT FOR DATA PROCESSING)

DC14514
AUG 9 1979

1B

Time Collected: 11:30 A

Date Collected: 8/9/79

Lab # DC14515

SPECIAL ANALYSIS FORM

Date Received AUG 7 1979

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Peoria	Peoria/Janson	1438080 1

SOURCE OF SAMPLE: (Exact Location)

Same location as 1A.

PHYSICAL OBSERVATIONS, REMARKS: Sample collected in Vacu-Sampler container.

TESTS REQUESTED: Determine if products of combustion are present in sample.

COLLECTED BY: M M Lienkerk TRANSPORTED BY: M M Lienkerk

LABORATORY

RECEIVED BY: [illegible] DATE COMPLETED: 8/13/79 DATE FORWARDED: 8/17/79

J. Hanley

CO_2 = 2.6 %

LPC-8A 4/77 (NOT FOR DATA PROCESSING) DC14515

2A

Time Collected: 11:40 A

Date Collected: 8/9/79

Lab # D014516

SPECIAL ANALYSIS FORM

Date Received AUG 9 1979

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Peoria	Peoria/Janson	143 808 01

SOURCE OF SAMPLE: (Exact Location)

South central part of site - on top of fill 20 feet in from edge.

PHYSICAL OBSERVATIONS, REMARKS: Attempted to collect in glass bottle. Appeared that sample bottle had lost vacuum

TESTS REQUESTED: Determine if products of combustion are present in sample.

COLLECTED BY: M M Kienkert TRANSPORTED BY: M M Kienkert

LABORATORY

RECEIVED BY: TM/R DATE COMPLETED: 8/13/79 DATE FORWARDED: 8/17/79 J. Hurley

CO_2 = 0.04 %

STATE OF ILLINOIS

LPC-8A 4/77 (NOT FOR DATA PROCESSING) D014516

2 P

Time Collected: 11:40 A

Date Collected: 8/9/79

SPECIAL ANALYSIS FORM

Lab # DC14517

Date Received AUG 9 1979

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Peoria	Peoria/Jansson	1438 0801

SOURCE OF SAMPLE: (Exact Location)

Same location as 2A

PHYSICAL OBSERVATIONS, REMARKS: Sample collected in Vacu-Sampler container

TESTS REQUESTED: Determine if products of combustion are present in sample.

COLLECTED BY: M M Meinkert TRANSPORTED BY: M M Meinkert

LABORATORY

RECEIVED BY: [illegible] DATE COMPLETED: 8/13/79 DATE FORWARDED: 8/17/79

J. Hurley

CO_2 = 0.08 %

DC14517

LPC-8A 4/77 (NOT FOR DATA PROCESSING)

Time Collected: 11:50 A

Date Collected: 8/9/79

Lab # DC14518

SPECIAL ANALYSIS FORM

Date Received AUG 9 1979

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Peoria	Peoria/Janson	143 808 01

SOURCE OF SAMPLE: (Exact Location)

Air sample collected at ground level at NE corner of site, top of fill ≈ 5' in from edge.

PHYSICAL OBSERVATIONS, REMARKS: Attempted to collect in glass bottle. Appeared that sample bottle had lost vacuum.

TESTS REQUESTED: Determine if products of combustion are present in sample.

COLLECTED BY: [illegible] TRANSPORTED BY: [illegible]

LABORATORY

RECEIVED BY: [illegible] DATE COMPLETED: 8/13/79 DATE FORWARDED: 8/17/79

J. Hurley

CO_2 = 0.04 %

LPC-8A 4/77 (NOT FOR DATA PROCESSING) DC14518

Time Collected: 11:50 A

Date Collected: 8/9/79

SPECIAL ANALYSIS FORM

Lab # D014519

Date Received AUG 9 1979

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Peoria	Peoria / Janson	143 80801

SOURCE OF SAMPLE: (Exact Location)

Collected same location as 3A.

PHYSICAL OBSERVATIONS, REMARKS: sample collected in Vacu - Sampler container.

TESTS REQUESTED: Determine if products of combustion are present in sample.

COLLECTED BY: M M Nienkerk TRANSPORTED BY: M M Nienkerk

LABORATORY

RECEIVED BY: [illegible] DATE COMPLETED: 8/13/79 DATE FORWARDED: 8/17/79 J. Hurley

CO_2 = 2.5%

LPC-8A 4/77 (NOT FOR DATA PROCESSING) DC14519

4

Time Collected: 11:55 A

Date Collected: 8/9/79

Lab #

SPECIAL ANALYSIS FORM

Date Received DC14520 AUG 7 1979

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Peoria	Peoria/Janson	143 808 01

SOURCE OF SAMPLE: (Exact Location)

Cracks in cover material at top of fill along NE corner of site

PHYSICAL OBSERVATIONS, REMARKS:

Collected in Vacu-sampler container

TESTS REQUESTED: Determine if products of combustion are present in sample.

COLLECTED BY: mmnienkark TRANSPORTED BY: mmnienkark

LABORATORY

RECEIVED BY: [illegible] DATE COMPLETED: 8/13/79 DATE FORWARDED: 8/17/79 J. Hurley

CO_2 = 2.0 %

LPC-8A 4/77 (NOT FOR DATA PROCESSING) DC14520

5

Time Collected: 11:55 A

Date Collected: 8/9/79

Lab # DC 14521

SPECIAL ANALYSIS FORM

Date Received AUG 9 1979

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Peoria	Peoria / Janson	14380801

SOURCE OF SAMPLE: (Exact Location)

Cracks in cover material at top of fill south of NE corner of site.

PHYSICAL OBSERVATIONS, REMARKS:

Collected in Vacu-sampler container

TESTS REQUESTED: Determine if products of combustion are present in sample.

COLLECTED BY: MM Nienkerk TRANSPORTED BY: MM Nienkerk

LABORATORY

RECEIVED BY:	DATE COMPLETED:	DATE FORWARDED:

Carbon dioxide (CO_2) 3.1 %

LPC-8A 4/77 (NOT FOR DATA PROCESSING) DC14521

White Copy – Ill. Dept. Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 6 in. Depth 68 ft.
   Curb material _____. Buried Slab: Yes____ No____
   b. Driven____. Drive Pipe Diam.____in. Depth____ft.
   c. Drilled ✓. Finished in Drift ✓. In Rock____.
   Tubular____. Gravel Packed____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Brown Sand	25	68

2. Distance to Nearest:
   Building none Ft. Seepage Tile Field none
   Cess Pool none Sewer (non Cast iron) none
   Privy none Sewer (Cast iron) none
   Septic Tank none Barnyard none
   Leaching Pit none Manure Pile none
3. Is water from this well to be used for human consumption?
   Yes ✓ No____
4. Date well completed 9-1-70
5. Permanent Pump Installed? Yes ✓ No____
   Manufacturer Red Jacket Type Submis.
   Capacity 100 gpm. Depth of setting 66 ft.
6. Well Top Sealed? Yes ✓ No____
7. Pitless Adaptor Installed? Yes ✓ No____
8. Well Disinfected? Yes ✓ No____
9. Water Sample Submitted? Yes ✓ No____

REMARKS:

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Peoria Blacktop Inc Well No. 1
    Address Rt. 8 Southport Rd. Peoria, Ill.
    Driller Acme Well Drilling License No. 92-153
11. Permit No NF 09272 Date 9-1-70
12. Water from Brown Sand (Formation) 13. County Peoria
    at depth 25 to 68 ft.
    Sec. 1, 3f
    Twp. 8N
    Rge. 7E
    Elev.____
14. Screen: Diam. 6 in.
    Length: 10 ft. Slot 12

		X	

SHOW LOCATION IN SECTION PLAT
NE SW NE

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
6	Steel 19	0	58

16. Size Hole below casing: 6 in.
17. Static level 38 ft. below casing top which is 30 ft. above ground level. Pumping level 38 ft. when pumping at 100 gpm for 2 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM.
Black Soil	10	10
Sandy (yellow) Clay	15	25
Brown Sand	43	68

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Acme Well Drilling DATE 10-5-70

STATE OFFICE BUILDING, SPRINGFIELD,
AL /WATER SURVEYS SECTION. BE SURE TO

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Completed 9-23-69

10. Property owner A. Miller & Co. Well No. 1
Well Address Ft. of West Clarke, Peoria, Ill.
Driller Chris Ebert Co. License No. 92-499
11. Permit No. NF 06419 Date 6/17/69
12. Water from Gravel (Formation) 13. County Peoria
at depth 69 to 73 ft. Sec. 19
14. Screen: Diam. 5 3/4 in. Twp. 8N
Length: 4 ft. Slot 50 Rge. 8E
Elev.

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
6	Standard Black	4	69

SHOW LOCATION IN SECTION PLAT
SW/4 NW SW
(permit)

16. Size Hole below casing: - - in.
17. Static level 29 ft. below casing top which is one ft. above ground level. Pumping level 29'3" ft. when pumping at 75 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Till	2	2
Black sandy dirt	6	8
Soft brown mud	4	12
Sandy brown mud	13	25
Med. dry brown sand	3	28
Med. brown sand	24	52
Fine brown sand-some pebbles & rocks	4	56
Brown gravel-fine to coarse-a little fine (sand)	6	62
Fine to coarse sand & fine gravel	4	66
Fine to coarse gravel-trace of fine sand	7	73

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Robert H. Ebert DATE Nov. 7, 1969

COUNTY No. 1477

PEORIA 19-8N-8E

Town Peoria Township Peoria Map No.
Company W. S. Hofstetter No. R. 8E
Farm Parker, J. W. No. T. Sec.
Authority W. S. Hofstetter, Peoria 8 19
Elevation 460± TM N
Collector
Confidential Date Drilled 1941
3500 S. Adams St.

No.	G.# 797 Strata	Thickness Feet	Thickness In.	Depth Feet	Depth In.
	Cinders	5		5	
	Sand and clay, yellow	15		20	
	Gravel	10		30	
	Sand, dry	60		90	
	Sand, little water	10		100	
	Sand, little coarser	5		105	
	Sand, finer	5		110	
	Sand, coarser	20		130	
	Sand, coarse	1		131	
	Shale		at	131	

Static level 61'1" from top of casing
Drawdown 10" at 12 g.p.m.
4" well
Screen 6', .016 slot, Johnson silicon brass.

SS# 6660

NO ENVELOPE

COUNTY Peoria INDEX NO.
DRILL RECORD 19-8N-8E

(12880—20M) ILLINOIS GEOLOGICAL SURVEY, URBANA (12-41)

STATE OFFICE BUILDING, SPRINGFIELD,
./WATER SURVEYS SECTION. BE SURE TO

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Meister Bros. Heating
10. Property owner & Air Conditioning Well No. 1
Address 913 S. Laramie**Peoria, Illinois
Driller W. S. Hofstetter License No. 92-8
11. Permit No. 14475 Date Sept. 15, 1971
12. Water from _____ (Formation) 13. County Peoria
at depth ____ to ____ ft. Sec. 13
14. Screen: Diam. ____ in. Twp. 8N
Length: ____ ft. Slot ____ Rge. 7E
Elev. ____

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)

SHOW LOCATION IN SECTION PLAT
200'NL,200'EL of NW NW (Permit)

16. Size Hole below casing: ____ in.
17. Static level ____ ft. below casing top which is ____ ft. above ground level. Pumping level ____ ft. when pumping at ____ gpm for ____ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay (yellow)	10	10
Clay (blue)	5	15
Shale (gray)	15	30
Shale (dark gray)	15	45
Shale (gray)	25	70
Shale (black)	4	74
NO WATER		
* Commercial operation		

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED R. W. Hofstetter DATE

R. W. Hofstetter
2108 N. Sheridan Rd.
Peoria, Illinois

COUNTY No. 1654

S.S. #61336
(0 - 74')

PEORIA

13-8N-7E

Town Peoria Township Limestone Map No. 16
Company W. S. Hofstetter No. R. 7E
Farm Menke, F. T. No. T. 8 N Sec. 14
Authority W. S. Hofstetter, Peoria
Elevation 630 TM CAH
Collector
Confidential Date Drilled April 1940
250' S. line, 350' W. line of NE

No.	Strata	Thickness Feet	Thickness In.	Depth Feet	Depth In.
	Part of Lot 2 in Swords & Evans Subd.				
	Yellow clay	17		17	
	Sandstone	7		24	
	Black shale	11		35	
	Light shale	5		40	
	4" diamater				
	Static level 24'2"				
	7½ g.p.m. 10' drawdown				

NO ENVELOPE

COUNTY Peoria INDEX NO. 1614
DRILL RECORD

(A32187—20M) ILLINOIS GEOLOGICAL SURVEY, URBANA 14-8N-7E (10-40)

TOWN Peoria TOWNSHIP Peoria MAP No. 17
COMPANY M. Ebert Co. No. R 8E
FARM Brooks, Arthur N. No. T. 8 N SEC. 6 NE
AUTHORITY M. Ebert Co.
ELEVATION
COLLECTOR
CONFIDENTIAL DATE DRILLED 1937

No. C. # 726 STRATA	THICKNESS FEET	THICKNESS IN.	DEPTH FEET	DEPTH IN.
Loam, brown	4		4	
Clay, yellow	23		27	
Sand, fine	80		107	
Gravel	7		114	
4" casing to 110'				
Water level 86' from surface				
Capacity tested to 10 g.p.m.				
3' of 4" 20-slot screen				

COUNTY Peoria DRILL RECORD
INDEX No. 1706 6-8N-8E
ILLINOIS GEOLOGICAL SURVEY, URBANA
(75601 10M 1-39) 170

ATE OFFICE BUILDING, SPRINGFIELD,
WATER SURVEYS SECTION. BE SURE TO

GEOLOGICAL AND WATER SURVEYS WELL RECORD
Clark Oil Completed 5-18-70

10. Property owner Refining Corporation Well No. 1
Address 2908 Farmington Rd --- Peoria
Driller W. S. Hofstetter License No. 92-8
11. Permit No. NF 08019 Date April 10, 1970
12. Water from Sand Formation at depth 10 to 75 ft.
13. County Peoria
Sec. 6
Twp. 8N
Rge. 8E
Elev. 488±
14. Screen: Diam. 4 in. Length: 2 ft. Slot .030

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
4	11 Lb per Ft.	0	73

SHOW LOCATION IN SECTION PLAT
150'SL, 100' WL of SE SW NW (Permit)

16. Size Hole below casing: _____ in.
17. Static level 43'6" ft. below casing top which is 8" ft. above ground level. Pumping level 49'5" ft. when pumping at 25 gpm for 5 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay (yellow)	10	10
Sand (brown-fine)	25	35
Sand (coarse-brown)	40	75
Not on Shale		
COUNTY No. 1518		
# Commercial - Owens Service Station		

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED R.W. Hofstetter DATE _____
R.W. Hofstetter
2108 N. Sheridan Rd. Ph682-1092
Peoria, Illinois 61604
S.S. # 61337 (0 - 75')
PEORIA 6-8N-8E

ILLINOIS GEOLOGICAL SURVEY, URBANA

TEST WELLS	Thickness	Top	Bottom
Loam		0	15
Clay, rocky		15	29
Sand and gravel		29	50
Sand, fine		50	70
Sand and gravel		70	107
Shale at		107	
Total Depth			107

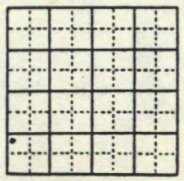
Hole Size: 4"

Screen: 8' Armco Screen

NO ENVELOPE

COMPANY Mike Ebert
FARM Madison Park
DATE DRILLED April 1942
AUTHORITY State Water Survey
ELEVATION 463.86'
LOCATION 1157' S. line, 145' W. line of SW
COUNTY PEORIA

NO. 15
COUNTY NO. 21909



7-8N-8E

(8811—50M—6-69) 14

Page 1

ILLINOIS GEOLOGICAL SURVEY, URBANA

TEST WELLS	Thickness	Top	Bottom
Loam		0	15
Clay, rocky		15	29
Sand and gravel		29	50
Sand, fine		50	70
Sand and gravel		70	108
Shale		108	
Total Depth			108

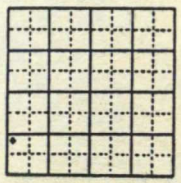
Hole Size: 4"

Screen: 8' Armco Screen

NO ENVELOPE

COMPANY Mike Ebert
FARM Madison Park
DATE DRILLED April 1942
AUTHORITY State Water Survey
ELEVATION 463.19'
LOCATION 1157' S. line, 95' W. line of SW
COUNTY PEORIA

NO. 16
COUNTY NO. 21910



7-8N-8E

Town Peoria Township Peoria Map No.
Company W. S. Hofstetter No. R. 8E
Farm Madison Park No. T. Sec.
Authority Summary Sample Study 8 7
Elevation 464 level N
Collector
Confidential Date Drilled 1941
1200' S. line, 120' W. line

No.	Strata	Thickness		Depth	
	C.# 728 Studied by K.O.Emery, Nov. 1947	Feet	In.	Feet	In.
	Water Survey Observation Well				
	PLEISTOCENE SYSTEM				
	Clay, dark brown, grading to light brown	15		15	
	Sand, very clayey, brown	15		30	
	Sand, coarse, pebbly, gray to brown	5		35	
	Sand, coarse, brown	12		47	
	Sand, fine to medium, brown	20		67	
	Sand, medium, brown to pink, some polished	10		77	
	Sand, coarse, gray to brown	14		91	
	Sand, medium to coarse, pink	5		96	
	Sand, fine to medium, brown	5		101	
	Sand, pink	5		106	
	Sand, brown	4		110	
	No sample	1		111	
	PENNSYLVANIAN SYSTEM				
	"Shale"			at 111	

COUNTY Peoria INDEX NO.
DRILL RECORD 7-8N-8E
Summary Sample Set #6748
(12880—20M) ILLINOIS GEOLOGICAL SURVEY, URBANA (12-41)

QUESTED AND MAIL ORIGINAL TO STATE
UMER HEALTH PROTECTION, 535 WEST
1. DO NOT DETACH GEOLOGICAL/WATER
PROPER WELL LOCATION

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Completed 12-28-76

10. Property owner Interstate Brands Corp. Well No.
Address 1511 W. Lincoln Avenue, Peoria, Illinois
Driller J. A. Knierim License No. 102-27
11. Permit No. 54581 Date
12. Water from Gravel (Formation) 13. County Peoria
at depth 143 to 144 ft. Sec. 8
14. Screen: Diam. 4 in. Twp. 8N
Length: 10 ft. Slot 16/25 Rge. 8E
Elev.

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
8"	Steel	0	124

SHOW LOCATION IN SECTION PLAT
SE SW SW
(permit)

16. Size Hole below casing: _____ in.
17. Static level 85 ft. below casing top which is _____ ft. above ground level. Pumping level _____ ft. when pumping at 180 gpm for _____ hours. Sub. pump set at 95' TOP

18. FORMATIONS PASSED THROUGH	~~THICKNESS~~	DEPTH OF BOTTOM
Top Soil	0	15
Muddy Sand	15	45
Sand Gravel	45	80
Gravel (Pea)	80	130
Sand	130	143
Shale	143	144

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED _____ DATE _____

PEORIA 8-8N-8E

ESTED AND MAIL ORIGINAL TO STATE
ER HEALTH PROTECTION, 535 WEST
DO NOT DETACH GEOLOGICAL/WATER
ROPER W... LOCATIO

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Completed 10-23-76

1. Property owner Interstate Brands Corp. Well No. _____
Address 1511 W. Lincoln Ave., Peoria, Illinois
Driller J. A. Knierim License No. 102-27
11. Permit No. 57481 Date _____
12. Water from Gravel (Formation) 13. County Peoria
at depth 10 to 144 ft. Sec. 8
14. Screen: Diam. 4 in. Twp. 8N
Length: 10 ft. Slot 20 Rge. 8E
Elev. _____

SHOW LOCATION IN SECTION PLAT
SW SW SW
(permit)

5. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	Plastic	0	134

6. Size Hole below casing: _____ in.
7. Static level _____ ft. below casing top which is _____ ft. above ground level. Pumping level _____ ft. when pumping at _____ gpm for _____ hours.

18. FORMATIONS PASSED THROUGH	~~THICKNESS~~ TOP	DEPTH OF BOTTOM
Top Soil	0	10
Sand Gravel	10	144

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED _____ DATE _____

COUNTY No. 22154

PEORIA 8-8N-8E

Town Peoria Township Peoria Map No.
Company M. Ebert Co. No. R. 8E
Farm Schulze Baking Co. No. T. Sec. 8
Authority Summary Sample Study
Elevation 515 T. M. 8
Collector N
Confidential Date Drilled 1941

No.	Strata	Thickness	In.	Depth Feet	In.
	Co. # 730 Studied by K.O.Emery, Oct. 1941				
	732 Howett St.				
	PLEISTOCENE SYSTEM				
	"Fill"	5		5	
	Sand, very coarse, brown, dirty	5		10	
	Same but clean	15		25	
	Sand, medium, buff	5		30	
	Gravel, sandy	10		40	
	Sand, medium, brown, round, stained	10		50	
	Sand, very fine, yellow, pebbly at bottom	10		60	
	Gravel, sandy near bottom	45		105	
	Sand, coarse, pink	5		110	
	Sand and gravel	5		115	
	Sand, coarse, pink, polished	22		137	
	Gravel and sand	2		139	
	PENNSYLVANIAN SYSTEM				
	"Shale"		at	139	

COUNTY Peoria INDEX NO.
DRILL RECORD
Summary Sample Set #6536 8-8N-8E
(12880—20M) ILLINOIS GEOLOGICAL SURVEY, URBANA (12-41)

Town Peoria Township Peoria Map No.
Company M. Ebert Co. No. R. 8E
Farm Armour & Co. No. T. Sec.
Authority Summary Sample Study 17
Elevation 456.6 level 8 N
Collector
Confidential Date Drilled 1941

No.	Strata	Thickness Feet	Thickness In.	Depth Feet	Depth In.
	Co. # 758 Studied by K.O.Emery, Nov. 1941				
	Water Survey Observation Well				
	PLEISTOCENE SYSTEM				
	No samples	11		11	
	Sand, clayey, pebbly, brown	11		22	
	Gravel, clean, to ½"	18		40	
	Gravel, to 1½", sandy	18		58	
	Sand, coarse, pebbly	1		59	
	No sample	3		62	
	PENNSYLVANIAN SYSTEM				
	Shale, dark blue gray			at 62	

COUNTY Peoria INDEX NO.
DRILL RECORD 17-8N-8E
Summary Sample Set #6745
(12880—20M) ILLINOIS GEOLOGICAL SURVEY, URBANA (12-41)

TOWN TOWNSHIP
COMPANY Kelly Well Company NO. R. 8E
FARM Peoria Water Works NO. 11 T. 8N SEC. 17?
DATE DRILLED 1941
AUTHORITY Kelly Well Company
COLLECTOR ELEVATION

No.	Strata	Thickness Feet	Thickness In.	Depth Feet	Depth In.
	Co. # 770				
	Clay			0-30	
	Sandy clay			65	
	Packed fine sand, gravel			97	
	Muddy sand, gray			100	
	Sand, gravel, stones, clay balls			140	
	Top of casing 5" below ground surface.				
	Plain casing 99'11"				
	Screen section 39'				
	Plug 8"				
	(33 screen - 3 spac.)				
	Gravel filter				
	Effective diam. 38"				
	Static level 76'				
	1700 g.p.m.				
	Drawdown 14' 4"				

COUNTY Peoria 17?-8N-8E
SAMPLE SET NO.
(84107—20M—6-45) ILLINOIS GEOLOGICAL SURVEY, URBANA

TOWN Peoria TOWNSHIP Peoria R. 8E
COMPANY Forest Eberr NO. T. SEC.
FARM Peoria Water Works Co. NO. 2 8N 17
DATE DRILLED March 1944 SW
AUTHORITY Forest Eberr
COLLECTOR ELEVATION 473.8-Co.

No.	Co. # 769 Strata	Thickness Feet	Thickness In.	Depth Feet	Depth In.
	Lot 4 & 5, block 25, Frink & Sanger's Add. extended.				
	Enclosed blueprint shows exact location				
	Sandy loam	5		5	
	Sand	10		15	
	Gravel	20		35	
	Gravel, some sand	5		40	
	Gravel, shale	2		42	
	Gravel, some sand	18		60	
	Clay	1		61	
	Gravel, some large rocks	38		99	
	Gravel, sand	3		102	
	Coarse sand	10		112	
	Coarse gravel	10½		122½	
	Shale			122½	
	Finished in gravel at 112' to 122½'				
	6" casing				
	Static level from surface 61'				
	Screen--5" pipe; drilled holes				
	Construction: Temporary steel casing:				
	58" to 20' 46" to 95'				
	54" to 60' 42" to 99'				
	50" to 75' 38" to 118.5				
	Set concrete screen and casing - gravel-packed - pulled temporary casing.				

COUNTY Peoria 17-8N-8E
SAMPLE SET NO. 11, 007
(84107—20M—6-45)
ILLINOIS GEOLOGICAL SURVEY, URBANA

TOWN TOWNSHIP R. 8E
COMPANY Kelly Well Company NO. T. SEC.
FARM Peoria Water Works NO. 12 8N 17?
DATE DRILLED 1941
AUTHORITY Kelly Well Company
COLLECTOR ELEVATION

No.	Co. # 771 Strata	Thickness Feet	Thickness In.	Depth Feet	Depth In.
	Clay			0-34	
	Sand, clay			36	
	Clay			58	
	Packed sandy clay			81	
	Packed gravel			88	
	Gravel stones			90	
	Gravel			107	
	Sand			109½	
	Sand, gravel			118	
	Sand-			122	
	Gravel stones			124½	
	Top of casing 1'6" above groundsurface.				
	Plain casing 85'10"				
	Screen section 39'				
	Plug 8"				
	Gravel filter				
	Effective diam. 38"				
	Static level 62'9"				
	1810 glp.m.				
	Drawdown 14'6"				

COUNTY Peoria 17?-8N-8E
SAMPLE SET NO.
(84107—20M—6-45)
ILLINOIS GEOLOGICAL SURVEY, URBANA

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1906. 377265

Co. M. Ebert
Farm Farmers Services
Auth. M. Ebert memory
Elev. 510 T.M.
Collector: K.O. Emery

8E
8 N.
17

128' to shale

COUNTY No. 759

NO ENVELOPE

Peoria

1717
17-8N-8E

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1906. 386790

TOWN Peoria TOWNSHIP Peoria Map No. 17
COMPANY No. R. 8 E
FARM Godel & Sons No. T. Sec.
AUTHORITY -8
ELEVATION 465 T.M. (K.O. Emery) N 17
COLLECTOR DATE DRILLED
CONFIDENTIAL
450' S, 710' E of Center Sec 17

No.	Co. # 760 STRATA	Thickness Feet	Thickness In.	Depth Feet	Depth In.
	Clay	18		18	
	Gravel (pea size)	20		38	
	Static level 18'				
	Information from report by M.A.Churchill State Water Survey, Aug. 31, 1933				

NO ENVELOPE

County Peoria Index No. 1717
T.—DRILL RECORD 17-8N-8E

46244—10M—11-35 Illinois Geological Survey, Urbana

LOG OF WATER WELL

Property owner State of Illinois Well No. 23

Drilled by Hofstetter Bros. Year 1951

Formations passed through	Thickness	Depth of Bottom
Fill Clay & Gravel	11	11
Coarse Gravel	10	21
Coarse Gravel & yellow Clay	5	26
Coarse Gravel	30	56
Coarse Gravel & large rocks	8	64

COUNTY No. 761

GS# 20911

[Continue on back if necessary]

Finished in Gravel at 59 to 64 ft.

Cased with 6 inch Blk. pipe from 0 to 59 ft.

and inch from to ft.

Size hole below casing inch. Static level from surf. ft.

Tested capacity gal. per min. Temperature °F.

Water lowered to ft. in. in hrs. min.

Length of test hrs. min. Screen Johnson Cosmco

Slot 20 Diam. 5 3/4" Length 5' Bottom set at 64 ft.

[Show location in Section Plat]

Township name Elev.

Description of location NE SW NE NE

Hiram Walker gh. plant

Sec. 17

Twp. 8N

Rge. 8E

Signed County Peoria

Copy for Illinois State Geological Survey Index: PEORIA 17-8N-8E

Town Peoria Township Peoria Map No.

Company M. Ebert Co. No. R. 8E

Farm Peoria Service Co. No. T. Sec. 17

Authority Summary Sample Study

Elevation 476 level 8 N

Collector

Confidential Date Drilled 1941

No.	Strata	Thickness Feet	Thickness In.	Depth Feet	Depth In.
	Co. # 768 Studied by K.O.Emery, Oct. 1941				
	Washington and Apple Sts.				
	PLEISTOCENE SYSTEM				
	No samples	15		15	
	Gravel, sandy at top	30		45	
	Clay, calcareous, silty, dark gray	2		47	
	Gravel	13		60	
	Gravel and sand	10		70	
	Gravel	5		75	
	Sand, coarse, pebbly near base, pinkish	15		90	
	Sand, medium, pink, polished	5		95	
	Gravel	4		99	
	PENNSYLVANIAN SYSTEM				
	Shale			at 99	

COUNTY Peoria INDEX NO.

DRILL RECORD Summary Sample Set #6517 17-8N-8E

(12880—20M) ILLINOIS GEOLOGICAL SURVEY, URBANA (12-41)

(2840—50M—12-64)

ILLINOIS GEOLOGICAL SURVEY, URBANA

	Thickness	Top	Bottom

June 6, 1950

ATE DEPARTMENT OF MINES AND MINERALS:
ease issue an authorization to drill a water well on the pr
rty of PEORIA WATER WORKS COMPANY, whose address is 109 So.
nroe Street Peoria, Illinois; said well to be located as
llows; ___ feet (East-West) and ___ feet (North-South) of
Corner of the SW ¼ of Section 17 Township 8 (Nor
uth) Range 8 (East-West), Peoria County. Or other-
se located as follows: 250 ft. South West of the Sout
East Corner of Greenleaf Ave and S. Washington St City
ction ___ Peoria Township, County of Peoria, State of Il
ois. Said well is to be drilled with an Ottawa Pool to a
pth of approximately 125 feet, with an anticipated yield
___ gals. per minute; drilling will begin on or after rece
authorization.

PEORIA WATER WORKS COMPANY
BY [signature] 109 S. Monroe Peor
Signature of Address Cit
Driller Supt. Peoria Water Wks. Co.

Permit only

COMPANY	Peoria Water Works Co.
FARM	Peoria Water Works Co. NO.
DATE DRILLED	COUNTY NO.
AUTHORITY	
ELEVATION	
LOCATION	
COUNTY	PEORIA

17-8N-8E

TOWN TOWNSHIP R. 8E
COMPANY Kelly Well Company NO. T. SEC.
FARM Peoria Water Works NO. 13 8N 17?
DATE DRILLED 1942
AUTHORITY Kelly Well Company
COLLECTOR ELEVATION

Nr.	Co. # 772 Strata	Thickness Feet	Thickness In.	Depth Feet	Depth In.
	Top soil			0-6	
	Hard clay			45	
	Sand, gravel			47	
	Clay			84	
	Sand, gravel, stones — Stones egg size up to 8" and 10" diam. predominating, the interstices in the stones were filled with sand, and gravel, fine sand, predominating.			110	2
	Top of casing 1'6" above ground surface.				
	Plain casing 85'6"				
	Screen 24'				
	Plug 8"				
	Gravel filter, clay backfill				
	Effective diam. 38"				
	Static level 53'5"				
	1050 g.p.m.				
	Drawdown 20'6"				

COUNTY Peoria
SAMPLE SET NO.
17?-8N-8E

(84107—20M—6-45)

ILLINOIS GEOLOGICAL SURVEY, URBANA

Town Peoria Township Peoria Map No.
Company M. Ebert Co. No. R. 8E
Farm Peoria Packing Co. No. T. Sec.
Authority Summary Sample Study 17
Elevation 470 T. M. 8
Collector N
Confidential Date Drilled 1941

No.	Co. # 767 Strata	Thickness Feet	Thickness In.	Depth Feet	Depth In.
	Studied by K.O.Emery, Oct. 1947				
	Union Stock Yards				
	PLEISTOCENE SYSTEM				
	Clay, sandy, silty, buff, (fill ?)	5		5	
	Silt, clayey, brown, soil fragments	5		10	
	Gravel to 3/4", clean, angular to round; includes shale boulder at 53'	60		70	
	PENNSYLVANIAN SYSTEM				
	Shale, dark gray	5		75	

COUNTY Peoria INDEX NO.
DRILL RECORD 17-8N-8E
Summary Sample Set #6534
(12880—20M) ILLINOIS GEOLOGICAL SURVEY, URBANA (12-41)

Town Peoria Township Peoria Map No.
Company W. S. Hofstetter No. R. 8E
Farm Shehan Packing Co. No. T. Sec.
Authority W. S. Hofstetter, Peoria, Ill. 17
Elevation 495 T. M. 8
Collector N
Confidential Date Drilled 1941

No.	Co. # 773 Strata	Thickness Feet	Thickness In.	Depth Feet	Depth In.
	Part of Lot 12				
	2301 S. Washington St.				
	Cinders	5		5	
	Clay, yellow	15		20	
	Gravel and clay	5		25	
	Gravel	25		50	
	Clay, yellow	3	6	53	6
	Gravel	4	6	58	
	Clay, blue (no sample obtained)	1		59	
	Sand	4	6	63	6
	Clay, yellow	9	6	73	
	Sand	20		93	
	Sand, coarser	3	6	96	6
	Sand, finer	1	6	98	
	Sand	4		102	
	Shale				
	Static level 65'				
	Drawdown 10" at 20 g.p.m.				
	6' Johnson screen, .025 slot, 6" diameter				

COUNTY Peoria INDEX NO.
DRILL RECORD 17-8N-8E
(12880—20M) ILLINOIS GEOLOGICAL SURVEY, URBANA (12-41)

John C. Moore Corporation, Rochester, N.Y. Binder and holes in leaves, each Patented 1906. 386790

TOWN Peoria TOWNSHIP Peoria Map No. 17

COMPANY A.D.Cook,Inc. No. 3 R. 8 E.

FARM Hiram Walker & Sons No. 3 T. 8 N

AUTHORITY A.D.Cook,Inc.

ELEVATION 455 T.M (Kio.Emery)

COLLECTOR W.C.I. DATE DRILLED 1934

CONFIDENTIAL

1320' N, 2150'E. of cen.

Sec. 17

No. Co. # 776 STRATA	Thickness Feet	Thickness In.	Depth Feet	Depth In.
Fill	2		2	
Clay, yellow	7		9	
Gravel, dry	26		35	
Gravel, water-bearing	15		50	
Gravel, water-bearing; boulders	6		56	
Blue clay penetrated by test hole	24		80	

Static level - 30'
4' drawdown at 25 00 G.P.M.
Capacity 3500 G.P.M. plus

County Peoria Index No. 1717

T.—DRILL RECORD

(30819—5M—7-34) 2 Illinois Geological Survey, Urbana. 17-8N-8E

(3)

Town Peoria Township Peoria Map No. 17

Company M. Ebert Co. No. R. 8E

Farm Armour & Co. No. T. 8N

Authority Sample Study by K. O. Emery

Elevation 456.6 level

Collector

Confidential Date Drilled 1941

Sec. 17

No. Co # 758 Strata Water Survey Observation Well	Thickness Feet	Thickness In.	Depth Feet	Depth In.
No record	11		11	
Sand, clayey, pebbly, brown	11		22	
Gravel, clayey, brown	3		25	
Gravel, clean, to ½"	15		40	
Gravel, sandy, to 1½"	18		58	
Sand, pebbly, coarse	1		59	
Missing	3		62	
Shale, dark brown, gray				

COUNTY Peoria INDEX NO. 1717

DRILL RECORD

Sample Set #6745

(12880—20M) ILLINOIS GEOLOGICAL SURVEY, URBANA (12-41) 2

QUESTED AND MAIL ORIGINAL TO STATE OF
6, STATE OFFICE BUILDING, SPRINGFIELD,
CAL / WATER SURVEYS SECTION. BE SURE TO

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Completed 9-23-69

10. Property owner A. Miller & Co. Well No. 1
Well Address Ft. of West Clarke, Peoria, Ill.
Driller Chris Ebert Co. License No. 92-499
11. Permit No. NF 06419 Date 6/17/69
12. Water from Gravel (Formation) at depth 69 to 73 ft.
13. County Peoria
Sec. 19
Twp. 8N
Rge. 8E
Elev.
14. Screen: Diam. 5 3/4 in.
Length: 4 ft. Slot 50

SHOW LOCATION IN SECTION PLAT
SW/4 NW SW
(permit)

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
6	Standard Black	4	69

16. Size Hole below casing: - - in.
17. Static level 29 ft. below casing top which is one ft. above ground level. Pumping level 29'3" ft. when pumping at 75 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Fill	2	2
Black sandy dirt	6	8
Soft brown mud	4	12
Sandy brown mud	13	25
Med. dry brown sand	3	28
Med. brown sand	24	52
Fine brown sand-some pebbles & rocks	4	56
Brown gravel-fine to coarse-a little fine (sand)	6	62
Fine to coarse sand & fine gravel	4	66
Fine to coarse gravel-trace of fine sand	7	73

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Robert H. Ebert DATE Nov. 7, 1969

COUNTY No. 1477

PEORIA 19-8N-8E

Town Peoria Township Peoria Map No.
Company W. S. Hofstetter No. R. 8E
Farm Parker, J. W. No. T. 8 N Sec. 19
Authority W. S. Hofstetter, Peoria
Elevation 480± TM
Collector
Confidential Date Drilled 1941
3500 S. Adams St.

No.	Strata	Thickness Feet	Thickness In.	Depth Feet	Depth In.
	G.# 797				
	Cinders	5		5	
	Sand and clay, yellow	15		20	
	Gravel	10		30	
	Sand, dry	60		90	
	Sand, little water	10		100	
	Sand, little coarser	5		105	
	Sand, finer	5		110	
	Sand, coarser	20		130	
	Sand, coarse	1		131	
	Shale		at	131	
	Static level 61'1" from top of casing				
	Drawdown 10" at 12 g.p.m.				
	4" well				
	Screen 6', .016 slot, Johnson silicon brass.				
	SS# 6660				
	NO ENVELOPE				

COUNTY Peoria
DRILL RECORD
INDEX NO. 19-8N-8E

(12880—20M) ILLINOIS GEOLOGICAL SURVEY, URBANA (12-41)

John C. Moore Corporation, Rochester, N.Y. Binder and holes in leaves, each Patented 1906. 386790

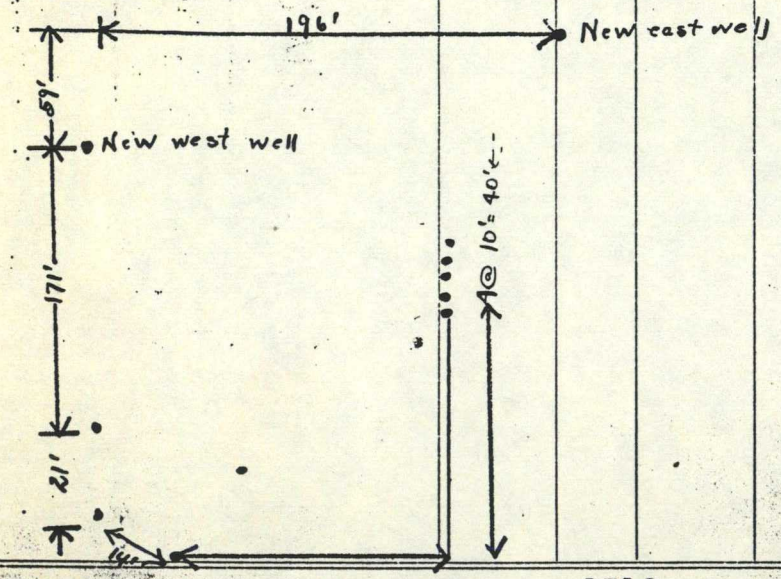
TOWN Peoria TOWNSHIP Peoria Map No. 17
COMPANY No. R 8 E
FARM Pa., Md. & Ind. Alcohol Co. T. 8 N Sec. 19
AUTHORITY
ELEVATION
COLLECTOR Workman DATE DRILLED
CONFIDENTIAL

No.	C. # 798 STRATA	Thickness Feet	Thickness In.	Depth Feet	Depth In.

Two groups of four and five wells each and 2 new wells. Group of 4 wells located approximately 650' south, 50' east of center Sec. 19. No. 1 - 8" diameter, 62'4" deep; No. 2- 10" diam., 56'11" deep; No. 3 - 8" diam., 52'9" deep.; No. 4 - 10" diam., 56'5" deep.

Group of 5 wells are all 10" diam.; from north to south they are 69, 64, 62'6", 61 and 63.7 ft. deep.

New west well is 30" diam., 90' deep, 60' casing, and 18' screen. Static level 18' Drilled 1933 by C.I. Strand, Aurora Pump Co. 21 ft. screen.



County PEORIA Index No. 1719
T.—DRILL RECORD 19-8N-8E

46244—10M—11-35 Illinois Geological Survey, Urbana

Town Peoria Township Peoria Map No.
Company Layne-Western Co. No. R. 8E
Farm Commercial Solvents Corp. T. 8 N Sec. 19
Authority Summary Sample Study
Elevation 455 T. M.
445 CLH.
Collector
Confidential Date Drilled 1941

No.	C. # 785 Strata	Thickness Feet	Thickness In.	Depth Feet	Depth In.
	Studied by K.O.Emery, Oct. 1941				
	Samples studied in field				
	PLEISTOCENE SYSTEM				
	Sand, pebbly, brown	15		15	
	Sand, medium, light gray to yellow	5		20	
	Gravel and sand	40		60	
	Gravel, fine	5		65	
	Sand, very coarse	5		70	
	Sand, coarse; gravel	40		110	
	Sand, pink, polished	5		115	
	Driller's log:				
	Sand, pebbly brown	15		15	
	Sand, medium, light gray to yellow	5		20	
	Gravel and sand to 2"	5		25	
	Sand, yellow and pebbles	5		30	
	Sand, granular and gravel, fine	5		35	
	Sand, coarse and gravel to 2½"	15		50	
	Sand and some pebbles	10		60	
	Gravel, fine	5		65	
	Sand, very coarse	5		70	
	Sand, coarse and gravel	5		75	
	Gravel, sandy, clean	5		80	
	Gravel, fine	5		85	
	Gravel, sandy	5		90	
	Sand, coarse and gravel to 2"	5		95	
	Gravel, sandy, medium	10		105	
	Gravel, sandy, medium; pink sand	5		110	
	Sand, pink, "San Koty type"	5		115	

COUNTY Peoria INDEX NO. 19-8N-8E
DRILL RECORD

Summary Sample Set 1

(12880—20M) ILLINOIS GEOLOGICAL SURVEY, URBANA (12-41)

TOWN Peoria TOWNSHIP Peoria

COMPANY Layne-Western Company NO.

FARM Commercial Solvents Corp. TH 37

DATE DRILLED 1945

AUTHORITY Summary Sample Study

COLLECTOR ELEVATION 455 top. map

860' N and 1290' E of center

T. 8 N R. 8E SEC. 19

Co. # 792

Strata	Thickness Feet	Thickness In.	Depth Feet	Depth In.
Studied by C. L. Horberg, May 1946				
PLEISTOCENE SYSTEM				
Wisconsin stage				
Soil, silty, leached, oxidized, dark brown	5		5	
Sand, silty, calcareous, oxidized, brown	5		10	
Gravel, granular, sandy, silty, calcareous, buff, sand, of mixed types	10		20	
Sand, fine to coarse, silty, some granular gravel, greyish-brown	5		25	
Same, gravelly	5		30	
Gravel, up to 1/4" and sand, slightly silty	15		45	
?Pre-Kansan stage - Sankoty sand				
Sand, coarse, and granular gravel, largely rounded polished grains but with some more locally derived	5		50	
Same, silty	5		55	
Gravel, up to 1/4", very silty, sandy	5		60	
Same, clean	5		65	
Pre-Kansan stage - Sankoty sand				
Sand, medium to fine, numerous pink grains, largely angular, well-sorted, probably Sankoty	10		75	
Gravel, up to 3/4", with sand as above, clean	5		80	

COUNTY Peoria 19-8N-8E

SAMPLE SET NO. 14,728

(84107—20M—6-45) 2

ILLINOIS GEOLOGICAL SURVEY, URBANA

SHEET 2 T. 8N R. 8E S. 19

COMPANY Layne-Western Company NO.

FARM Commerical Solvents Copr. TH NO. 37

No.	Strata	Thickness Feet	Thickness In.	Depth Feet	Depth In.
	Gravel, up to 1"	15		95	
	Gravel, up to 1-1/2"	5		100	
	Gravel, up to 1"	15		115	
	PENNSYLVANIAN SYSTEM				
	Shale, calcareous, carbonaceous, grey	5		120	

SEAL
DAMAGED

COUNTY Peoria 19-8N-8E

SAMPLE SET NO. 14,728

(84107—20M—6-45) 2

ILLINOIS GEOLOGICAL SURVEY, URBANA

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1906. 356302

TOWN Peoria TOWNSHIP Peoria Map No. 10
COMPANY F. Thorpe, driller R. 8E.
FARM Barrett Co No. T. 8 N Sec. 19
AUTHORITY Paper Mill, Peoria No.
ELEVATION 450 T.M.
COLLECTOR DATE DRILLED 1929
CONFIDENTIAL
230'S, 1110'E. of cen.

No. C. # 783 STRATA	Thickness Feet	Thickness In.	Depth Feet	Depth In.
Subsoil and clay	13		13	
Sand, dirty yellow	5		18	
Gravel, fine	42		60	
Sand, fine, dirty	3	6	63	6
Sand, coarse	6	6	70	
Hard pan, tough	1		71	
Sand, very fine, red	18		89	
Sand, coarse	3		92	
Finished in rock.				
Cased with 26" ID porous concrete well				
Water level from surface 3'				
Porous screen 7d long, 26" in diameter used.				

County Peoria Index No. 1719
T.—DRILL RECORD
17893—4M 5 29 26
19-8N-8E

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1906. 386790

TOWN Peoria TOWNSHIP Peoria Map No. 17
COMPANY Schilling No. R. 8 E
FARM Century Distillery No. T. 8 N Sec. 19
AUTHORITY
ELEVATION 460 ± T.M.
COLLECTOR DATE DRILLED 1933
CONFIDENTIAL
700'S, 200'W of NE Cor. Sec. 19

No. C. # 784 STRATA	Thickness Feet	Thickness In.	Depth Feet	Depth In.
Depth of 3 new wells all 60 ft.			60	
14" holes, 20 ft strainers at bottom				
15' static level				
50-100 g.p.m.				
From record of CWA report and Boiler Water Analysis, Mar. 8, 1934, in files of State Water Survey.				

NO ENVELOPE

County Peoria Index No. 1719
T.—DRILL RECORD
46244—10M—11-35 Illinois Geological Survey, Urbana
19-8N-8E

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1906. 386790

TOWN Peoria TOWNSHIP Peoria Map No. 17
COMPANY Johnson, Bloomington No. R. 8 E
FARM Peoria Sanitary Dist. No. T. 8 N Sec. 20
AUTHORITY J.R.Langley, Eng.
ELEVATION 455 S.W.S.
COLLECTOR DATE DRILLED
CONFIDENTIAL
950' N, 750' E of SW Cor, NW4 Sec 20

No.	G.# 803 STRATA	Thickness Feet	Thickness In.	Depth Feet	Depth In.
	Clay	15		15	
	Sand and gravel	85		100	
	Clay	100		200	

Present well drilled 102 feet deep 15' away from above test well. Cased 95 ft. with 5-ft. strainer in bottom. 32' static

"For log of well, as shown by blueprint made at time well was drilled, see file 20-B-25", (State Water Survey)

Information from report by M.A.Churchill, State Water Survey, Aug. 30, 1933.

County Peoria Index No. 1720
T.—DRILL RECORD
46244—10M—11-35 Illinois Geological Survey, Urbana 29-8N-8E

Town Bartonville Township Peoria Map No.
Company John Bolliger & Sons No. R. 8E
Farm T. P. & W. R. R. No. 1 T. 8 N Sec. 29
Authority Summary Sample Study
Elevation 443 level
Collector
Confidential Date Drilled 1941
300' N. line, 600' W. line of NE NW

No.	G. # 808 Strata	Thickness Feet	Thickness In.	Depth Feet	Depth In.
	Studied by K.O. Emery, Feb. 1942				
	PLEISTOCENE SYSTEM				
	"Clay, brown"	20		20	
	"Clay, yellow"	15		35	
	"Clay, gray, soft"	8		43	
	Sand, calcareous, very coarse, brown, angular	5		48	
	"Sand; gravel"	5		53	
	"Sand; clay, gray"	7		60	
	Sand, coarse; gravel, fine, calcareous, silty, brown, grains dirty, angular	4		64	
	"Clay, gray"	9		73	
	Sand, coarse; gravel, fine, calcareous, brown, grains dirty, angular	5		78	
	Sand, medium, calcareous, pebbly, gray, well rounded, very slightly dirty near top, rest clean	14		92	
	"Clay"		6	92	6
	Sand, calcareous, medium, gray, clean, sub-rounded, mostly quartz, not polished	3	6	96	
	Gravel, calcareous, fine to ½", rounded, iron stained	1		97	
	PENNSYLVANIAN SYSTEM				
	"Shale"			at 97	

COUNTY Peoria INDEX NO.
DRILL RECORD
Summary Sample Set #7085 29-8N-8E
(12880—20M) ILLINOIS GEOLOGICAL SURVEY, URBANA (12-41)

Town BBartonville Township Peoria Map No. 17
Company M. Ebert Co. No. R. 8E
Farm Keystone Steel & Wire Co No. T. 8N Sec. 30
Authority
Elevation
Collector K. O. Emery
Confidential Date Drilled 1938

No.	Strata	Thickness Feet	Thickness In.	Depth Feet	Depth In.
	Well #1 SW SW SW Co # 809				
	Elev. 445 T. M.				
	46' W. of Spray Pond Pump House outside wall and 4' S. of outside of N. wall				
	Fill and mud	9		9	
	Sand and gravel, very dirty	39		48	
	Fine sand, very dirty	14		62	
	Mud	26		88	
	Sand, very dirty	2		90	
	Cemented sand and gravel	3		93	
	Shale				
	4" well				
	Well #2 SW SW SW Co # 810				
	Elev. 445 T. M.				
	44' N. of center line of N. building columns of O.H. building and 12' E. of center line of W. building columns.				
	4" well				
	Fill	5		5	
	Earth, black	6		11	
	Clay, yellow	7		18	
	Mud, blue	18		36	
	Gravel and sand	8		44	
	Sand	2		46	
	Sand and gravel	16		62	
	Mud	15		77	
	Sand, dirty	6		83	
	Blue mud and some gravel	11		94	
	Gravel	6		100	

COUNTY Peoria INDEX NO. 1730
DRILL RECORD 30-8N-8E
(12880—20M) ILLINOIS GEOLOGICAL SURVEY, URBANA (12-41)

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves Patented. FORM 408993

SHEET 3 T. 8N R. 8E S. 30
COMPANY M. Ebert Co. HOLE NO.
FARM Keystone Steel & Wire Co. HOLE NO.

No.	Strata	Thickness Feet	Thickness In.	Depth Feet	Depth In.
	Sand, muddy, coarse	10		86	
	Sand, fine, muddy	9		95	
	Sand, clean, fine	22		117	
	Shale				
	Well #8 NW NW NW NW Co # 813				
	NW cor. of 40 acres, 40' E. of group of three sycamore trees				
	Screen used				
	Elev. 445 T. M.				
	Dirt	34		34	
	Sand and gravel	63		97	

COUNTY Peoria INDEX NO. 1730
DRILL RECORD 30-8N-8E
(2732—20M—7-41) ILLINOIS GEOLOGICAL SURVEY, URBANA

STATE OFFICE BUILDING, SPRINGFIELD,
/WATER SURVEYS SECTION. BE SURE TO

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Completed 9-23-69

10. Property owner A. Miller & Co. Well No. 1
Well Address Ft. of West Clarke, Peoria, Ill.
Driller Chris Ebert Co. License No. 92-499
11. Permit No. NF 06419 Date 6/17/69
12. Water from Gravel (Formation) 13. County Peoria
at depth 69 to 73 ft.
14. Screen: Diam. 5 3/4 in.
Length: 4 ft. Slot 50

Sec. 19
Twp. 8N
Rge. 8E
Elev.

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
6	Standard Black	4	69

SHOW LOCATION IN SECTION PLAT
SW/4 NW SW
(permit)

16. Size Hole below casing: - - in.
17. Static level 29 ft. below casing top which is one ft. above ground level. Pumping level 29'3" ft. when pumping at 75 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
ill	2	2
lack sandy dirt	6	8
oft brown mud	4	12
andy brown mud	13	25
ed. dry brown sand	3	28
ed. brown sand	24	52
ine brown sand-some pebbles & rocks	4	56
rown gravel-fine to coarse-a little fine (sand)	6	62
ine to coarse sand & fine gravel	4	66
ine to coarse gravel-trace of fine sand	7	73

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Robert H. Ebert DATE Nov. 7, 1969

COUNTY No. 1477

PEORIA 19-8N-8E

Town Peoria Township Peoria Map No.
Company W. S. Hofstetter No. R. 8E
Farm Parker, J. W. No. T. Sec.
Authority W. S. Hofstetter, Peoria 8 19
Elevation 480± TM N
Collector
Confidential Date Drilled 1941
3500 S. Adams St.

No.	G.# 797 Strata	Thickness Feet	Thickness In.	Depth Feet	Depth In.
	Cinders	5		5	
	Sand and clay, yellow	15		20	
	Gravel	10		30	
	Sand, dry	60		90	
	Sand, little water	10		100	
	Sand, little coarser	5		105	
	Sand, finer	5		110	
	Sand, coarser	20		130	
	Sand, coarse	1		131	
	Shale		at	131	

Static level 61'1" from top of casing
Drawdown 10" at 12 g.p.m.
4" well
Screen 6', .016 slot, Johnson silicon brass.

SS# 6660

NO ENVELOPE

COUNTY Peoria
DRILL RECORD
INDEX NO. 19-8N-8E

(12880—20M) ILLINOIS GEOLOGICAL SURVEY, URBANA (12-41)

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam.____in. Depth____ft.
   Curb material____. Buried Slab: Yes____No____
   b. Driven____. Drive Pipe Diam.____in. Depth____ft.
   c. Drilled X. Finished in Drift X. In Rock____.
   Tubular X. Gravel Packed____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building____Ft. Seepage Tile Field____
   Cess Pool____ Sewer (non Cast iron)____
   Privy____ Sewer (Cast iron)____
   Septic Tank____ Barnyard____
   Leaching Pit____ Manure Pile____
3. Well furnishes water for human consumption? Yes____No X
4. Date well completed July 25, 1981
5. Permanent Pump Installed? Yes X Date____No____
   Manufacturer Red Jacket Type Sub Location____
   Capacity____gpm. Depth of Setting 95 Ft.
6. Well Top Sealed? Yes X No____Type____
7. Pitless Adapter Installed? Yes____No____
   Manufacturer____Model Number____
   How attached to casing?____
8. Well Disinfected? Yes X No____
9. Pump and Equipment Disinfected? Yes X No____
10. Pressure Tank Size X gal. Type____
    Location____
11. Water Sample Submitted? Yes____No____

REMARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Manual High School Well No.____
    Address 811 S. Griswold
    Driller Albright License No. 103-120
11. Permit No. 100425 Date 7-9-81
12. Water from gravel Formation 13. County Peoria
    at depth 102 to 112 ft. Sec. 18
    14. Screen: Diam. 8 in. Twp. 8N
    Length: 10 ft. Slot 60 Rge. 8E
    Elev.____

SHOW LOCATION IN SECTION PLAT

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
8	Steel	0	102

16. Size Hole below casing:____in.
17. Static level____ft. below casing top which is____ft. above ground level. Pumping level____ft. when pumping at____gpm for____hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
topsoil & clay	15	15
yellow sand & coarse gravel	45	60
small gravel	10	70
gravel	42	112

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Bryan Ziegler DATE 12/81

IDPH 4.065
1/74 – KNB-1

ecology and environment, inc.
111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415
International Specialists in the Environment

CRL Receipt Date 10-14-87 FIT Receipt Date 12-10-87 Review Completed 12-14-87

TO: K. Sims

FROM: Jim Mertes

SUBJECT: Jackson L.F.

PAN: IL 0449 CASE # 8001

Sample Description

Organics (VOA, ABN, Pest/PCB)		Inorganics (Metals, Cyanide)	
# 4	Low Soil	#	Low Soil
	Low Water		Low Water
	Drinking Water		Drinking Water
	Other		Other

Project Data Status X Completed!!

Incomplete, awaiting:

FIT Data Review Findings:

- HRS scoreable hits in EP 403 EP 401 - see Form I O.A.D.S.
- also check instrument detection limits to see if any other hits fall w/in >5x IDL.

Check Data Sheets for Transcription Errors

X Compounds were detected in sample(s); see enclosed sheet.

Book No. 6 Page No. 292 Date Sampled 9-2-87

26U:001

1 hr. charged to above PAN Q
Week ending 12-19-87
J.M.

recycled paper

page 1 of 4

Received 12-10-87 35 pages

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 12/9/87

SUBJECT: Review of Region V CLP Data
Received for Review on 10/14/87

FROM: Curtis Ross, Director (5SCRL) Patrick J. Quinlle for
Central Regional Laboratory

TO: Data User: FIT

We have reviewed the data for the following case(s).

SITE NAME: Janson Landfill SMO Case No. 8001

EPA Data Set No. SF4385 No. of Samples: 4 D.U./Activity Numbers Y905/C72100

CRL No. 87FS17S95 - S98

SMO Traffic No. EP100, 401 - 403

CLP Laboratory: Hazleton Hrs. Required for Review: 4

PAN # IL0449:

Following are our findings:

see attached review
Elna Hold-Kaufman
12/7/87

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualifications noted above.
( ) Data are preliminary - pending verification by Contractor Laboratory.
( ) Data are unacceptable.

cc: Duane Geuder, Quality Assurance Officer, EPA Support Services
James Petty, Chief Quality Assurance Research, EMSL, Las Vegas

EPA FORM 1320-6 (Rev. 5/87)

Janson Landfill
PAN # IL0449

This case consists of 4 low soil samples sent in for full organic analysis.

A. Holding Times - Acceptable

B. Surrogates - Acceptable

Volatiles	0 out of 21; outside QC limits
SV	1 out of 42; outside QC limits
Pesticides	2 out of 10; outside QC limits

C. MS/MSD - Acceptable

Recovery

VOAs	0 out of 10; outside QC limits
B/N	4 out of 12; outside QC limits
Acid	1 out of 10; outside QC limits
Pest	1 out of 12; outside QC limits

RPD

VOAs	0 out of 5; outside QC limits
B/N	1 out of 6; outside QC limits
Acid	1 out of 5; outside QC limits
Pest	2 out of 6; outside QC limits

D. Method Blank - Acceptable
Common lab artifacts
Methylene Chloride
Acetone
Di-n-butylphthalate
Di-n-octylphthalate
Unknown TICs
No pesticides or PCBs found

E. Calibrations - Acceptable
Some compounds are outside specifications with respect to RF %D and/or %RSD. These compounds are so noted on calibration outlier form.

F. Tuning - Acceptable

G. Pesticides - Acceptable
Linearity - Acceptable
DBC Shift - Acceptable
DDT retention time - Acceptable (greater than 12 minutes).

ZGK
12/7/87

USER INFORMATION SHEET

Sample	TCL Compounds	TIC Compunds
EP100	See attached listing for compounds detected	VOA - 1 TICs SV - 7 TICs
EP401	See attached listing for compounds detected	VOA - 1 TICs SV - 20 TICs
EP402	See attached listing for compounds detected	VOA - 1 TICs SV - 5 TICs
EP403	See attached listing for compounds detected	VOA - 3 TICs SV - 12 TICs

Numerous PAHs detected above and below CRDL in all samples.

ZGK
12/7/87

CALIBRATION OUTLIERS
VOLATILE HSL COMPOUNDS

CASE/SAS # 8001 CONTRACTOR Hanlston

Instrument # HP5993	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	8/10/87			9/8/87 950											
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Chloromethane					32										
Bromomethane															
Vinyl Chloride															
Chloroethane															
Methylene Chloride															
Acetone					82	J									
Carbon Disulfide					311	J									
1,1-Dichloroethane															
1,1-Dichloroethene															
Trans-1,2-Dichloroethene															
Chloroform															
2-Butanone					38	J									
1,2-Dichloroethane															
1,1,1-Trichloroethane															
Carbon Tetrachloride															
Vinyl Acetate					131	J									
Bromodichloromethane															
1,2-Dichloropropane															
Trans-1,3-Dichloropropene															
Trichloroethene															
Dibromochloromethane															
1,1,2-Trichloroethane															
Benzene															
cis-1,3-Dichloropropene															
2-Chloroethylvinylether															
Bromoform					26	J									
4-Methyl-2-Pentanone					65	J									
2-Hexanone					66	J									
Tetrachloroethene															
1,1,2,2-Tetrachloroethane															
Toluene															
Chlorobenzene															
Ethylbenzene															
Styrene															
m-Xylene															
o/p-Xylene															

AFFECTED SAMPLES:

EP 100
EP 401
EP 402
EP 403
EP 100 MS
EP MSD

all samples

Reviewer's Initials/Date: ZCK 12/3

* These flags should be applied to the analytes on the sample data sheets.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS
(Page 1)

CASE/SAS # 8001 CONTRACTOR Hazleton

Instrument # FINN 4500	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	8/12			9/10 1634			9/11 1400								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
Phenol															
bis(-2-Chloroethyl)Ether															
2-Chlorophenol															
1,3-Dichlorobenzene															
1,4-Dichlorobenzene															
Benzyl Alcohol															
1,2-Dichlorobenzene															
2-Methylphenol															
bis(2-chloroisopropyl)Ether															
4-Methylphenol															
N-Nitroso-Di-n-Propylamine															
Hexachloroethane															
Nitrobenzene															
Isophorone															
2-Nitrophenol															
2,4-Dimethylphenol															
Benzoic Acid															
bis(2-Chloroethoxy)Methane															
2,4-Dichlorophenol															
1,2,4-Trichlorobenzene															
Naphthalene															
4-Chloroaniline					34	J		58	J						
Hexachlorobutadiene															
4-Chloro-3-Methylphenol															
2-Methylnaphthalene															
Hexachlorocyclopentadiene															
2,4,6-Trichlorophenol															
2,4,5-Trichlorophenol															
2-Chloronaphthalene															
2-Nitroaniline								35	J						
Dimethyl Phthalate															
Acenaphthylene								35	J						
3-Nitroaniline								70	J						
Acenaphthene															
2,4-Dinitrophenol					32	J									
4-Nitrophenol															
Dibenzofuran															

AFFECTED SAMPLES:

EP 100	EP 401	
EP 100 MS		
EP 100 MSD		
EP 402		
EP 403		

all samples

Reviewer Initials/Date: ZGK 12/3/87

* These flags should be applied to the analytes on the sample data sheets.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V
CALIBRATION OUTLIERS
SEMIVOLATILE HSL COMPOUNDS
Page 2

CASE/SAS # 8001 CONTRACTOR Hampton

Instrument # FINN 4500	Init. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.			Cont. Cal.		
DATE/TIME:	8/12			9/16			9/11								
	RF	%RSD	*	RF	%D	*	RF	%D	*	RF	%D	*	RF	%D	*
2,4-Dinitrotoluene															
2,6-Dinitrotoluene															
Diethylphthalate															
4-Chlorophenyl-phenylether															
Fluorene															
4-Nitroaniline							63	J							
4,6-Dinitro-2-Methylphenol															
N-Nitrosodiphenylamine															
4-Bromophenyl-phenylether															
Hexachlorobenzene															
Pentachlorophenol															
Phenanthrene															
Anthracene															
Di-n-Butylphthalate															
Fluoranthene															
Pyrene															
Butylbenzylphthalate															
Benzo(a)Anthracene															
bis(2-Ethylhexyl)Phthalate															
Chrysene															
Di-n-Octyl Phthalate															
Benzo(b)Fluoranthene															
Benzo(k)Fluoranthene															
Benzo(a)Pyrene															
Indeno(1,2,3-cd)Pyrene															
Dibenz(a,h)Anthracene															
Benzo(g,h,i) Perylene															

SEE PAGE 1 FOR AFFECTED SAMPLES.

* These flags should be applied to the analytes on the sample data sheets.

Reviewer's Initials/Date: ZCK 12/3/87

	8001 COMPOUND	SAMPLE DET. LIMIT	EP100	EP401	EP402	EP403
V	dimethyl phthalate					
	acenapthylene			15J		
	3-nitroaniline					
	acenaphthene			120J		97J
	2,4-dinitrophenol					
	4-nitrophenol					
	dibenzofuran			74J		27J
	2,4-dinitrotoluene					
	2,6-dinitrotoluene					
S	diethylphthalate					
	4-chlorophenyl-phenylether					
	fluorene			170J		90J
V	4-nitroaniline					
	4,6-dinitro-2-methylphenol					
	N-nitrosodiphenylamine					
	4-bromophenyl-phenylether					
	hexachlorobenzene					
	pentachlorophenol					
	phenanthrene		170J	2800	110J	1300
	anthracene		30J	690		270J
	di-n-butylphthalate					
	fluoranthene		360	4200		2600
	benzidine		~~3700J~~			
	pyrene		340J	5900	120J	2200
	butylbenzylphthalate			3600		
	~~3,3'-dichlorobenzidine~~			7600	41J	1100
	benzo(a)anthracene		150J	2700	47J	990
	bis(2-ethylhexyl)phthalate		38J	2800	58J	
	chrysene		180J	2300	49J	1100
	di-n-octylphthalate		170BJ		100BJ	
	benzo(b&k)fluoranthene		190J 170J	2300	34J	890
	benzo(a)pyrene		150J	1700	36J	930
	indeno(1,2,3-cd)pyrene		76J	740		430
	dibenzo(a,h)anthracene					72
↑	benzo(g,h,i)perylene		58J	510		280
↓	alpha-BHC					
	beta-BHC					
	delta-BHC					
	gamma-BHC(lindane)					
P	heptachlor					
	aldrin					
E	heptachlor epoxide					
	endosulfan I					
S	dieldrin					
T	4,4'-DDE					
	endrin					
	endosulfan II					
	4,4'-DDD					
	endrin aldehyde					
	endosulfan sulfate					
	4,4'-DDT					
	methoxychlor					
	endrin ketone					
	chlordane					
	toxaphene					
P	Aroclor-1016					
	Aroclor-1221					
C	Aroclor-1232					
B	Aroclor-1242					
	Aroclor-1248					
	Aroclor-1254			1700		
	Aroclor-1260					

COMPOUND	SAMPLE 8001	DET. LIMIT	EP100	EP401	EP402	EP403				
chloromethane										
bromomethane										
vinyl chloride										
chloroethane										
methylene chloride										
acetone										
carbon disulfide										
1,1-dichloroethene										
1,1-dichloroethane										
trans-1,2,-dichloroethene										
chloroform										
1,2-dichloroethane										
2-butanone										
1,1,1-trichloroethane										
carbon tetrachloride										
vinyl acetate										
bromodichloromethane										
1,1,2,2-tetrachloroethane										
1,2-dichloropropane										
trans-1,3-dichloropropene										
trichloroethene										
dibromochloromethane										
1,1,2-trichloroethane										
benzene										
cis-1,3-dichloropropene										
2-chloroethylvinylether										
bromoform										
2-hexanone										
4-methyl-2-pentanone										
tetrachloroethene										
toluene				2J		4J				
chlorobenzene										
ethylbenzene										
styrene										
total xylenes										
N-nitrosodimethylamine										
phenol										
aniline										
bis(2-chloroethyl)ether										
2-chlorophenol										
1,3-dichlorobenzene										
1,4-dichlorobenzene										
benzyl alcohol										
1,2-dichlorobenzene										
2-methylphenol										
bis(2-chloroisopropyl)ether										
4-methylphenol										
N-nitroso-di-n-propylamine										
hexachloroethane										
nitrobenzene										
isophrone										
2-nitrophenol										
2,4-dimethylphenol										
benzoic acid										
bis(2-chloroethoxy)methane										
2,4-dichlorophenol										
1,2,4-trichlorobenzene										
napthalene				16J						
4-chloroaniline										
hexachlorobutadiene										
4-chloro-3-methylphenol										
2-methylnapthalene				31J						
hexachlorocyclopentadiene										
2,4,6-trichlorophenol										
2,4,5-trichlorophenol										
2-chloronaphthalene										

Case: 8001

Contractor: Hanford

TENTATIVELY IDENTIFIED COMPOUNDS
WATCH ASSESSMENT

NOTE: Reviewer should note directly on Organic Analysis Data Sheet (OADS) those matches that in his opinion (based on contract criteria) are unreasonable.

CRITERIA

(1) Relative intensities of major ions (>10%) reference spectrum should be present in the sample spectrum.

(2) Relative intensities of major ions in sample spectrum should agree to within ± 20% of reference spectrum intensities.

(3) Molecular ions present in reference spectrum should be present in sample spectrum.

(4) Ions present in sample spectrum, but not in reference spectrum should be reviewed for possible background contamination or presence of coeluting interferences.

(5) Ions present in reference spectrum, but not in the sample spectrum should be reviewed for possible subtraction from the sample spectrum because of background contamination or coeluting interferences.

(6) If, in the reviewer's opinion, no valid identification can be made the compound should be labelled as "unknown" and the initials and date of the reviewer placed on the OADS.

Reviewer's Initials/Date: TGK 12

SF 4385

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HAZLETON LABORATORIES AMERICA, INC.
3301 KINSMAN BLVD. • P.O. BOX 7545 • MADISON, WI 53707 • (608) 241-4471 • TELEX 793956 HAZRAL MDS UD

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CHICAGO, ILLINOIS 60605

October 12, 1987

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US EPA CENTRAL REGIONAL LAB.
536 S. CLARK STREET
CHICAGO, ILLINOIS 60605

Sample Management Office
Viar and Company
209 Madison Street
Alexandria, VA 22314

Enclosed is the data package for Case No. 8001. Under this case number, we received a total of four soil samples, which were received on September 3, 1987 from Region V. All samples were analyzed and reported according to the protocols provided under our Contract No 68-01-7146 bid lot #1.

Please note the following summary comments relating to the contractual quality control in this case:

- <u>GC-MS Tuning.</u> All tuning requirements for both BFB and DFTPP for samples analyzed in this case were within contract criteria.

- <u>Instrumental Calibrations.</u> All instrumental calibrations for all fractions analyzed were within contract criteria for both initial and continuing calibrations.

- <u>Method Blanks.</u> All method blanks analyzed with this case were found to be within contract criteria for all fractions analyzed.

- <u>Surrogate Recoveries.</u> All calculated surrogate recoveries for the volatile, semivolatile and pesticide fractions were found to be within contract criteria with the following exceptions:

  Semivolatile fraction: A single surrogate compound in sample EP401 was found to be out of control (terphenyl d14 @ 164%); no other re-extraction or re-analysis was required.

  Pesticide fraction: The recovery of Dibutylchlorendate was found outside the advisory limits in both Method blank-2, and EP401 at 152% and 273% respectively.

- Pesticide Confirmation Analysis. GC confirmation analysis of samples in this case was performed using a DB-608 Megabore Capillary Column. Please note that a 1.5% DBC shift criteria has been established by Joan Fisk when using Megabore capillary columns.

- Sample Re-extractions. The matrix spike and matrix spike duplicate performed on sample EP100 were re-extracted and re-analyzed for the pesticide fraction; this was done following the analysis of the original extracts which produced no recovery of any pesticide matrix spike compound. We felt it was necessary to perform the re-extraction and re-analysis either to verify an extreme matrix effect or the fact that the original samples were not actually spiked with the pesticides.
  The re-analysis of the re-extracted EP100MS and EP100MSD produced acceptable recoveries for the pesticides, suggesting that the original samples extracted as the MS/MSD were not spiked with the pesticide matrix spiking compounds. We have provided both the data for the original extracts and the re-extracted EP100MS and EP100MSD, and do not consider them as billable. The results and recoveries recorded on Form III for the pesticide fraction represent the re-extracted matrix spikes of EP100.

- Sample Notes (EP401). PCB 1254 was identified and confirmed in sample EP401. In the pattern of PCB 1254, both standard and sample, there is a peak which falls within the retention time window of DDT both on the quantitation column (mixed phase) and the confirmation column (DB-608).
  It is the professional judgement of the analyst that the peak found with the retention time windows for the DDT in sample EP401 was not DDT, but part of the PCB 1254 pattern and was therefore not reported as DDT.

If you have any questions regarding this case or need any further clarifications, please feel free to call.

Sincerely,

David C. Hills

David C. Hills
Manager, Environmental analysis

DCH/sc

SOIL SURROGATE PERCENT RECOVERY SUMMARY

Case No. 8001 Contract Laboratory HAZLETON LABORATORIES Contract No. 68-01-7146

Low ✓ Medium _____

	VOLATILE			SEMI-VOLATILE								PESTICIDE
SMO TRAFFIC NO.	TOLUENE-D8 (81-117)	BFB (74-121)	1,2 DICHLORO-ETHANE-D4 (70-121)	NITRO-BENZENE-D5 (23-120)	2-FLUORO-BIPHENYL (30-115)	TERPHENYL-D14 (18-137)			PHENOL-D6 (24-113)	2-FLUORO-PHENOL (25-121)	2,4,6 TRIBROMO-PHENOL (19-122)	DIBUTYL-CHLORENDATE** (20-150)
EP100	101	90	90	32	46	109			39	33	69	114
EP401	109	89	94	77	81	164*			82	77	100	273*
EP402	109	97	97	45	39	105			50	51	72	105
EP403	110	88	92	67	68	119			66	65	81	126
EP100MS	106	96	95	38	44	111			41	33	66	125
EP100MSD	104	100	96	36	47	112			39	29	64	105
M.BLK-1	101	100	93	75	67	111			69	74	57	123
M.BLK-2	NR	NR	NR	NR	NR	NR			NR	NR	NR	152*
EP100MS-RE	NR	NR	NR	NR	NR	NR			NR	NR	NR	76
EP100MSD-RE	NR	NR	NR	NR	NR	NR			NR	NR	NR	99

* VALUES ARE OUTSIDE OF CONTRACT REQUIRED QC LIMITS

**ADVISORY LIMITS ONLY

Volatiles: 0 out of 21 ; outside of QC limits

Semi-Volatiles: 1 out of 42 ; outside of QC limits

Pesticides: 2 out of 10 ; outside of QC limits

7/85

Comments:

FORM II

SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Case No. 8001 **Contractor** HAZLETON LABORATORIES **Contract No.** 68-01-7146

Low Level ✓ **Medium Level** _____

FRACTION	COMPOUND	CONC. SPIKE ADDED (ug/Kg)	SAMPLE RESULT	CONC. MS	% REC	CONC. MSD	% REC	RPD	QC LIMITS* RPD	QC LIMITS* RECOVERY
VOA SMO SAMPLE NO. EP100	1,1-Dichloroethene	53.0	0	54.0	102	52.0	98	4	22	59-172
	Trichloroethene			51.1	96	53.0	100	4	24	62-137
	Chlorobenzene			51.1	96	57.8	109	12	21	60-133
	Toluene			61.4	116	60.3	114	2	21	59-139
	Benzene			59.4	112	51.9	98	13	21	66-142
B/N SMO SAMPLE NO. EP100	1,2,4-Trichlorobenzene	1773		506	29*	419	24*	19	23	38-107
	Acenaphthene			913	51	950	54	4	19	31-137
	2,4 Dinitrotoluene			1343	76	1332	75	1	47	28-89
	Pyrene		335	2371	115	2154	103	10	36	35-142
	N-Nitrosodi-n-Propylamine		0	744	42	764	43	3	38	41-126
	1,4-Dichlorobenzene			232	13*	103	6*	77*	27	28-104
ACID SMO SAMPLE NO. EP100	Pentachlorophenol	3546		187	5*	820	23	126*	47	17-109
	Phenol			1405	40	1453	41	3	35	26-90
	2-Chlorophenol			1274	36	1263	36	1	50	25-102
	4-Chloro-3-Methylphenol			2116	60	2161	61	2	33	26-103
	4-Nitrophenol			2673	75	2593	73	3	50	11-114
PEST SMO SAMPLE NO. EP100	Lindane	28.3	0.8	17.5	59	12.4	41*	36	50	46-127
	Heptachlor		9.5	26.1	59	22.1	45	27	31	35-130
	Aldrin		1.0	21.1	71	14.5	48	39	43	34-132
	Dieldrin	70.7	9.9	54.7	63	39.6	42	40*	38	31-134
	Endrin		0	69.5	98	52.6	74	28	45	42-139
	4,4'-DDT		9.1	56.5	67	36.2	38	55*	50	23-134

*ASTERISKED VALUES ARE OUTSIDE QC LIMITS.

RPD: VOAs 0 out of 5 ; outside QC limits
B/N 1 out of 6 ; outside QC limits
ACID 1 out of 5 ; outside QC limits
PEST 2 out of 6 ; outside QC limits

RECOVERY: VOAs 0 out of 10 ; outside QC limits
B/N 4 out of 12 ; outside QC limits
ACID 1 out of 10 ; outside QC limits
PEST 1 out of 12 ; outside QC limits

Comments:

FORM III

7/85

METHOD BLANK SUMMARY

Case No. 8001 Region 5 Contractor HAZLETON LABORATORIES Contract No. 68-01-7146

FILE ID	DATE OF ANALYSIS	FRACTION	MATRIX	CONC. LEVEL	INST. ID	CAS NUMBER	COMPOUND (HSL, TIC OR UNKNOWN)	CONC.	UNITS	CRDL
M.BLK-126152	9-8-87	VOA	SOIL	LOW	HP5993	75-09-2	Methylene chloride	5	µg/kg	5
↓	↓	↓	↓	↓	↓	67-64-1	Acetone	11	↓	10
M.BLK-1SV2701	9-10-87	BNA	SOIL	LOW	FINN 4500	84-74-2	Di-n-butylphthalate	490	µg/kg	330
						117-84-0	Di-n-Octylphthalate	330J		330
							Unknown	1500		—
						3648-21-3	1,2-Benzenedicarboxylic acid, diheptyl ester	180		—
							Unknown	240		—
						603-11-2	1,2-Benzenedicarboxylic acid, 3-nitro-	290		—
							Unknown	220		—
						36482-24-3	6H-dibenzo[B,D]Pyran-1-ol, 3-hexyl-6-A,7,8,10A-tetrahydro-6,6,9-trime	300		—
						603-11-2	1,2-Benzenedicarboxylic acid, 3-nitro-	330		—
						36482-24-3	6H-dibenzo[B,D]Pyran-1-ol, 3-hexyl-6 A,7,8,10A-tetrahydro-6,6,9-trime	390		—
						26761-40-0	1,2-benzenedicarboxylic acid, diisodecyl ester	200		—
							Unknown	460		—
↓	↓	↓	↓	↓	↓		Unknown	200	↓	—
M.BLK-1 3357	9-26-87	PEST	SOIL	LOW	5779		NO PESTICIDE/PCB's FOUND	—	—	—
M.BLK-2 3473.31	10-5-87	↓	↓	↓	↓		NO PESTICIDE/PCB's FOUND	—	—	—

Comments:

Environmental Protection Agency. CLP Sample Management Office:
P. O. Box 818. Alexandria, Virginia 22313 703/557-2490

INSTRUMENT DETECTION LIMITS

HP 5993

Organics Analysis Data Sheet
(Page 1)

VOLATILE COMPOUNDS

HAZLETON LABORATORIES AMERICA

CAS Number		ug/L
74-87-3	Chloromethane	4
74-83-9	Bromomethane	5
75-01-4	Vinyl Chloride	6
75-00-3	Chloroethane	4
75-09-2	Methylene Chloride	8
67-64-1	Acetone	39
75-15-0	Carbon Disulfide	5
75-35-4	1, 1-Dichloroethene	5
75-34-3	1, 1-Dichloroethane	1
156-60-5	Trans-1, 2-Dichloroethene	3
67-66-3	Chloroform	3
107-06-2	1, 2-Dichloroethane	2
78-93-3	2-Butanone	3
71-55-6	1, 1, 1-Trichloroethane	5
56-23-5	Carbon Tetrachloride	6
108-05-4	Vinyl Acetate	4
75-27-4	Bromodichloromethane	5

CAS Number		ug/L
79-34-5	1, 1, 2, 2-Tetrachloroethane	7
78-87-5	1, 2-Dichloropropane	1
10061-02-6	Trans-1, 3-Dichloropropene	5
79-01-6	Trichloroethene	10
124-48-1	Dibromochloromethane	4
79-00-5	1, 1, 2-Trichloroethane	3
71-43-2	Benzene	2
10061-01-5	cis-1, 3-Dichloropropene	1
110-75-8	2-Chloroethylvinylether	2
75-25-2	Bromoform	6
591-78-6	2-Hexanone	2
108-10-1	4-Methyl-2-Pentanone	6
127-18-4	Tetrachloroethene	5
108-88-3	Toluene	4
108-90-7	Chlorobenzene	3
100-41-4	Ethylbenzene	8
100-42-5	Styrene	3
	Total Xylenes	1

Environmental Protection Agency. CLP Sample Management Office.
P. O. Box 818. Alexandria, Virginia 22313 703/557-2490

INSTRUMENT DETECTION LIMITS

FINNIGAN 4500

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

HAZLETON LABORATORIES AMERICA

CAS Number		ug/L
108-95-2	Phenol	6
111-44-4	bis(-2-Chloroethyl)Ether	6
95-57-8	2-Chlorophenol	3
541-73-1	1, 3-Dichlorobenzene	3
106-46-7	1, 4-Dichlorobenzene	9
100-51-6	Benzyl Alcohol	9
95-50-1	1, 2-Dichlorobenzene	3
95-48-7	2-Methylphenol	9
39638-32-9	bis(2-chloroisopropyl)Ether	26
106-44-5	4-Methylphenol	18
621-64-7	N-Nitroso-Di-n-Propylamine	19
67-72-1	Hexachloroethane	7
98-95-3	Nitrobenzene	7
78-59-1	Isophorone	12
88-75-5	2-Nitrophenol	9
105-67-9	2, 4-Dimethylphenol	12
65-85-0	Benzoic Acid	18
111-91-1	bis(-2-Chloroethoxy)Methane	18
120-83-2	2, 4-Dichlorophenol	9
120-82-1	1, 2, 4-Trichlorobenzene	9
91-20-3	Naphthalene	12
106-47-8	4-Chloroaniline	27
87-68-3	Hexachlorobutadiene	9
59-50-7	4-Chloro-3-Methylphenol	9
91-57-6	2-Methylnaphthalene	9
77-47-4	Hexachlorocyclopentadiene	25
88-06-2	2, 4, 6-Trichlorophenol	26
95-95-4	2, 4, 5-Trichlorophenol	4
91-58-7	2-Chloronaphthalene	15
88-74-4	2-Nitroaniline	10
131-11-3	Dimethyl Phthalate	6
208-96-8	Acenaphthylene	10
99-09-2	3-Nitroaniline	7

CAS Number		ug/L
83-32-9	Acenaphthene	12
51-28-5	2, 4-Dinitrophenol	36
100-02-7	4-Nitrophenol	9
132-64-9	Dibenzofuran	7
121-14-2	2, 4-Dinitrotoluene	18
606-20-2	2, 6-Dinitrotoluene	4
84-66-2	Diethylphthalate	10
7005-72-3	4-Chlorophenyl-phenylether	9
86-73-7	Fluorene	22
100-01-6	4-Nitroaniline	36
534-52-1	4, 6-Dinitro-2-Methylphenol	15
86-30-6	N-Nitrosodiphenylamine (1)	12
101-55-3	4-Bromophenyl-phenylether	10
118-74-1	Hexachlorobenzene	24
87-86-5	Pentachlorophenol	30
85-01-8	Phenanthrene	12
120-12-7	Anthracene	10
84-74-2	Di-n-Butylphthalate	30
206-44-0	Fluoranthene	12
129-00-0	Pyrene	6
85-68-7	Butylbenzylphthalate	16
91-94-1	3, 3'-Dichlorobenzidine	3
56-55-3	Benzo(a)Anthracene	30
117-81-7	bis(2-Ethylhexyl)Phthalate	6
218-01-9	Chrysene	6
117-84-0	Di-n-Octyl Phthalate	32
205-99-2	Benzo(b)Fluoranthene	18
207-08-9	Benzo(k)Fluoranthene	12
50-32-8	Benzo(a)Pyrene	12
193-39-5	Indeno(1, 2, 3-cd)Pyrene	32
53-70-3	Dibenzia, h)Anthracene	30
191-24-2	Benzo(g, h, i)Perylene	22

(1)-Cannot be separated from diphenylamine

Hazleton Laboratories America

Instrument Detection Limits
HP 5779
1.5% SP 2250
1.95% SP 2401

ORGANICS ANALYSIS
DATA SHEET
Pesticide/PCBs

CAS Number	Compound	µg/mL	H_2O µg/L	Soil µg/kg
319-84-6	Alpha-BHC	0.00086	0.0086	0.57
319-85-7	Beta-BHC	0.00049	0.0049	0.33
319-86-8	Delta-BHC	0.00042	0.0042	0.28
56-89-9	Gamma-BHC (lindane)	0.0062	0.062	4.1
76-44-8	Heptachlor	0.00049	0.0049	0.33
309-00-2	Aldrin	0.00042	0.0042	0.28
1024-57-3	Heptachlor Epoxide	0.00028	0.0028	0.19
959-98-8	Endosulfan I	0.00042	0.0042	0.28
60-57-1	Dieldrin	0.00042	0.0042	0.28
72-55-9	4-4-DDE	0.00028	0.0028	0.19
72-20-8	Endrin	0.0030	0.030	2.0
33213-65-9	Endosulfan II	0.0021	0.021	1.4
72-54-8	4-4-DDD	0.00057	0.0057	0.38
1031-07-8	Endosulfan Sulfate	0.0011	0.011	0.73
50-29-3	4-4-DDT	0.00014	0.0014	0.93
72-43-5	Methoxychlor	0.031	0.31	21
53494-70-6	Endrin Ketone	0.00085	0.0085	0.57
57-74-9	Chlordane	0.0085	0.085	5.7
8001-35-2	Toxaphene	0.0049	0.049	3.3
12674-11-2	Aroclor-1016	0.0085	0.085	5.7
11104-28-2	Aroclor-1221	0.025	0.25	17
11141-16-5	Aroclor-1232	0.025	0.25	17
53469-21-9	Aroclor-1242	0.025	0.25	17
12672-29-6	Aroclor-1248	0.025	0.25	17
11097-69-1	Aroclor-1254	0.025	0.25	17
11096-82-5	Aroclor-1260	0.025	0.25	17

H_2O: (10 x µg/mL) reflects on 100 x concentration factor for waters per CLP protocol.

Soil: $\left(\frac{1,000}{1.5} \times \mu g/mL\right)$ reflects on normal concentration factor for soils per CLP protocol.

Date Analyzed: 03/14/86

(0361b/lma)

Hazleton Laboratories America

Instrument Detection Limits
HP 10802
DB608

ORGANICS ANALYSIS
DATA SHEET
Pesticide/PCBs

CAS Number	Compound	µg/mL	H_2O µg/L	Soil µg/kg
319-84-6	Alpha-BHC	0.0015	0.015	1.0
319-85-7	Beta-BHC	0.0011	0.011	0.73
319-86-8	Delta-BHC	0.0016	0.016	1.10
56-89-9	Gamma-BHC (lindane)	0.0020	0.020	1.3
76-44-8	Heptachlor	0.0017	0.017	1.1
309-00-2	Aldrin	0.0020	0.020	1.3
1024-57-3	Heptachlor Epoxide	0.0006	0.006	0.40
959-98-8	Endosulfan I	0.0008	0.008	0.53
60-57-1	Dieldrin	0.0023	0.023	1.5
72-55-9	4-4-DDE	0.0020	0.020	1.3
72-20-8	Endrin	0.0028	0.028	1.9
33213-65-9	Endosulfan II	0.0030	0.030	2.0
72-54-8	4-4-DDE	0.0025	0.025	1.7
1031-07-8	Endosulfan Sulfate	0.0030	0.030	2.0
50-29-3	4-4-DDT	0.0018	0.018	1.2
72-43-5	Methoxychlor	0.0048	0.048	3.2
53494-70-6	Endrin Ketone	0.0080	0.080	5.3
57-74-9	Chlordane	0.035	0.35	23
8001-35-2	Toxaphene	0.039	0.39	26
12674-11-2	Aroclor-1016	0.035	0.35	23
11104-28-2	Aroclor-1221	0.002	0.02	1.3
11141-16-5	Aroclor-1232	0.015	0.15	10
53469-21-9	Aroclor-1242	0.025	0.25	17
12672-29-6	Aroclor-1248	0.012	0.12	8
11097-69-1	Aroclor-1254	0.005	0.05	3.3
11096-82-5	Aroclor-1260	0.014	0.14	9.3

H_2O: (10 x µg/mL) reflects on 100 x concentration factor for waters per CLP protocol.

Soil: $\left(\frac{1,000}{1.5} \times \mu g/mL\right)$ reflects on normal concentration factor for soils per CLP protocol.

Date Analyzed: 04/21/87

(0361b/lma)

Sample Number
EP 100

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: HAZLETON LABORATORIES

Case No: 8001

Lab Sample ID No: 70901023

QC Report No:

Sample Matrix: Soil

Contract No: 68-01-7146

Data Release Authorized By: David C. Gill

Date Sample Received: 9-3-87

Volatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 09/08/87

Date Analyzed: 09/08/87

Conc/Dil Factor: 1 pH

Percent Moisture: (Not Decanted) 6.0 C.F. = 1.06

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	11U
74-83-9	Bromomethane	11U
75-01-4	Vinyl Chloride	11U
75-00-3	Chloroethane	11U
75-09-2	Methylene Chloride	16 B
67-64-1	Acetone	28 B
75-15-0	Carbon Disulfide	5U
75-35-4	1, 1-Dichloroethene	5U
75-34-3	1, 1-Dichloroethane	5U
156-60-5	Trans-1, 2-Dichloroethene	5U
67-66-3	Chloroform	5U
107-06-2	1, 2-Dichloroethane	5U
78-93-3	2-Butanone	11U
71-55-6	1, 1, 1-Trichloroethane	5U
56-23-5	Carbon Tetrachloride	5U
108-05-4	Vinyl Acetate	11U
75-27-4	Bromodichloromethane	5U

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	5U
10061-02-6	Trans-1, 3-Dichloropropene	5U
79-01-6	Trichloroethene	5U
124-48-1	Dibromochloromethane	5U
79-00-5	1, 1, 2-Trichloroethane	5U
71-43-2	Benzene	5U
10061-01-5	cis-1, 3-Dichloropropene	5U
110-75-8	2-Chloroethylvinylether	11U
75-25-2	Bromoform	5U
108-10-1	4-Methyl-2-Pentanone	11U
591-78-6	2-Hexanone	11U
127-18-4	Tetrachloroethene	5U
79-34-5	1, 1, 2, 2-Tetrachloroethane	5U
108-88-3	Toluene	5U
108-90-7	Chlorobenzene	5U
100-41-4	Ethylbenzene	5U
100-42-5	Styrene	5U
	Total Xylenes	5U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g., 10J). If limit of detection is 10 µg/l and a concentration of 3 µg/l is calculated, report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥10 ng/ul in the final extract should be confirmed by GC/MS

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report

Laboratory Name: HAZLETON LABORATORIES

Case No: 8001

Sample Number
EP100

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 9-9-87

Date Analyzed: 9-10-87

Conc/Dil Factor: 1

Percent Moisture (Decanted): 6.0

C.F. 1.06

GPC Cleanup ☐Yes ☑No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
108-95-2	Phenol	350U
111-44-4	bis(-2-Chloroethyl)Ether	
95-57-8	2-Chlorophenol	
541-73-1	1, 3-Dichlorobenzene	
106-46-7	1, 4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1, 2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylphenol	
621-64-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachloroethane	
98-95-3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-67-9	2, 4-Dimethylphenol	
65-85-0	Benzoic Acid	1800U
111-91-1	bis(-2-Chloroethoxy)Methane	350U
120-83-2	2, 4-Dichlorophenol	
120-82-1	1, 2, 4-Trichlorobenzene	
91-20-3	Naphthalene	
106-47-8	4-Chloroaniline	
87-68-3	Hexachlorobutadiene	
59-50-7	4-Chloro-3-Methylphenol	
91-57-6	2-Methylnaphthalene	
77-47-4	Hexachlorocyclopentadiene	
88-06-2	2, 4, 6-Trichlorophenol	
95-95-4	2, 4, 5-Trichlorophenol	1800U
91-58-7	2-Chloronaphthalene	350U
88-74-4	2-Nitroaniline	1800U
131-11-3	Dimethyl Phthalate	350U
208-96-8	Acenaphthylene	350U
99-09-2	3-Nitroaniline	1800U

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	350U
51-28-5	2, 4-Dinitrophenol	1800U
100-02-7	4-Nitrophenol	1800U
132-64-9	Dibenzofuran	350U
121-14-2	2, 4-Dinitrotoluene	
606-20-2	2, 6-Dinitrotoluene	
84-66-2	Diethylphthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorene	
100-01-6	4-Nitroaniline	1800U
534-52-1	4, 6-Dinitro-2-Methylphenol	1800U
86-30-6	N-Nitrosodiphenylamine (1)	350U
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachlorobenzene	
87-86-5	Pentachlorophenol	1800U
85-01-8	Phenanthrene	170J
120-12-7	Anthracene	30J
84-74-2	Di-n-Butylphthalate	370B
206-44-0	Fluoranthene	360
129-00-0	Pyrene	340J
85-68-7	Butylbenzylphthalate	350U
91-94-1	3, 3'-Dichlorobenzidine	700U
56-55-3	Benzo(a)Anthracene	150J
117-81-7	bis(2-Ethylhexyl)Phthalate	38J
218-01-9	Chrysene	180J
117-84-0	Di-n-Octyl Phthalate	170BJ
205-99-2	Benzo(b)Fluoranthene	190J
207-08-9	Benzo(k)Fluoranthene	170J
50-32-8	Benzo(a)Pyrene	150J
193-39-5	Indeno(1, 2, 3-cd)Pyrene	76J
53-70-3	Dibenz(a, h)Anthracene	350U
191-24-2	Benzo(g, h, i)Perylene	58J

(1)-Cannot be separated from diphenylamine

Laboratory Name HAZLETON LABORATORIES

Case No 8001

Sample Number EP 100

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 9-9-87

Date Analyzed: 9-26-87

Conc/Dil Factor: 1.0

Percent Moisture (decanted) 6.0

GPC Cleanup ☐Yes ☒No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)	
319-84-6	Alpha-BHC	8.5	U
319-85-7	Beta-BHC	8.5	U
319-86-8	Delta-BHC	8.5	U
58-89-9	Gamma-BHC (Lindane)	8.5	U
76-44-8	Heptachlor	8.5	U
309-00-2	Aldrin	8.5	U
1024-57-3	Heptachlor Epoxide	8.5	U
959-98-8	Endosulfan I	8.5	U
60-57-1	Dieldrin	17	U
72-55-9	4, 4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II	17	U
72-54-8	4, 4'-DDD	17	U
1031-07-8	Endosulfan Sulfate	17	U
50-29-3	4, 4'-DDT	17	U
72-43-5	Methoxychlor	85	U
53494-70-5	Endrin Ketone	17	U
57-74-9	Chlordane	85	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	85	U
11104-28-2	Aroclor-1221	85	U
11141-16-5	Aroclor-1232	85	U
53469-21-9	Aroclor-1242	85	U
12672-29-6	Aroclor-1248	85	U
11097-69-1	Aroclor-1254	170	U
11096-82-5	Aroclor-1260	170	U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s — or W_s 28.2g dry wt V_t 20,000 µl V_i 4.0 µl

LABORATORY NAME: HAZLETON LABORATORIES

CASE NO: 8001

SAMPLE NUMBER

EP100

ORGANIC ANALYSIS DATA SHEET
(PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

	CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONCENTRATION (UG/L UG/KG)
1.	------	UNKNOWN	BNA	474	530.
2.	------	UNKNOWN	BNA	2310	220.
3.	------	UNKNOWN Branched alkane or phthalate	BNA	2369	180.
4.	------	UNKNOWN " " "	BNA	2374	160.
5.	------	UNKNOWN " " "	BNA	2386	180.
6.	205-99-2	BENZ[E]ACEPHENANTHRYLENE	BNA	2405	170.
7.	119-07-3	1,2-BENZENEDICARBOXYLIC ACID, DECYL OCTYL ESTER	BNA	2444	220.
8.					
9.	—	Unknown	VOA	173	6
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Sample Number
EP 401

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: HAZLETON LABORATORIES

Case No: 8001

Lab Sample ID No: 70901024

QC Report No:

Sample Matrix: Soil

Contract No: 68-01-7146

Data Release Authorized By: David C. Gill

Date Sample Received: 9-3-87

Volatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 09/08/87

Date Analyzed: 09/08/87

Conc/Dil Factor: 1 pH

Percent Moisture: (Not Decanted) 9.9 C.F. = 1.11

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	11U
74-83-9	Bromomethane	11U
75-01-4	Vinyl Chloride	11U
75-00-3	Chloroethane	11U
75-09-2	Methylene Chloride	6 B
67-64-1	Acetone	16 B
75-15-0	Carbon Disulfide	6U
75-35-4	1, 1-Dichloroethene	6U
75-34-3	1, 1-Dichloroethane	6U
156-60-5	Trans-1, 2-Dichloroethene	6U
67-66-3	Chloroform	6U
107-06-2	1, 2-Dichloroethane	6U
78-93-3	2-Butanone	11U
71-55-6	1, 1, 1-Trichloroethane	6U
56-23-5	Carbon Tetrachloride	6U
108-05-4	Vinyl Acetate	11U
75-27-4	Bromodichloromethane	6U

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	6U
10061-02-6	Trans-1, 3-Dichloropropene	6U
79-01-6	Trichloroethene	6U
124-48-1	Dibromochloromethane	6U
79-00-5	1, 1, 2-Trichloroethane	6U
71-43-2	Benzene	6U
10061-01-5	cis-1, 3-Dichloropropene	6U
110-75-8	2-Chloroethylvinylether	11U
75-25-2	Bromoform	6U
108-10-1	4-Methyl-2-Pentanone	11U
591-78-6	2-Hexanone	11U
127-18-4	Tetrachloroethene	6U
79-34-5	1, 1, 2, 2-Tetrachloroethane	6U
108-88-3	Toluene	6U
108-90-7	Chlorobenzene	6U
100-41-4	Ethylbenzene	6U
100-42-5	Styrene	6U
	Total Xylenes	6U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g., 10J). If limit of detection is 10 µg/l and a concentration of 3 µg/l is calculated, report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

Laboratory Name: HAZLETON LABORATORIES

Case No: 8001

Sample Number
EP 401

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 9-9-87

Date Analyzed: 9-12-87

Conc/Dil Factor: 1

Percent Moisture (Decanted): 9.8

C.F. 1.11

GPC Cleanup ☐Yes ☑No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
108-95-2	Phenol	370U
111-44-4	bis(-2-Chloroethyl)Ether	
95-57-8	2-Chlorophenol	
541-73-1	1, 3-Dichlorobenzene	
106-46-7	1, 4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1, 2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylphenol	
621-64-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachloroethane	
98-95-3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-67-9	2, 4-Dimethylphenol	
65-85-0	Benzoic Acid	1800U
111-91-1	bis(-2-Chloroethoxy)Methane	370U
120-83-2	2, 4-Dichlorophenol	
120-82-1	1, 2, 4-Trichlorobenzene	
91-20-3	Naphthalene	16J
106-47-8	4-Chloroaniline	370U
87-68-3	Hexachlorobutadiene	370U
59-50-7	4-Chloro-3-Methylphenol	370U
91-57-6	2-Methylnaphthalene	31J
77-47-4	Hexachlorocyclopentadiene	370U
88-06-2	2, 4, 6-Trichlorophenol	370U
95-95-4	2, 4, 5-Trichlorophenol	1800U
91-58-7	2-Chloronaphthalene	370U
88-74-4	2-Nitroaniline	1800U
131-11-3	Dimethyl Phthalate	370U
208-96-8	Acenaphthylene	15J
99-09-2	3-Nitroaniline	1800U

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	120J
51-28-5	2, 4-Dinitrophenol	1800U
100-02-7	4-Nitrophenol	1800U
132-64-9	Dibenzofuran	74J
121-14-2	2, 4-Dinitrotoluene	370U
606-20-2	2, 6-Dinitrotoluene	
84-66-2	Diethylphthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorene	170J
100-01-6	4-Nitroaniline	1800U
534-52-1	4, 6-Dinitro-2-Methylphenol	1800U
86-30-6	N-Nitrosodiphenylamine (1)	370U
101-55-3	4-Bromophenyl-phenylether	370U
118-74-1	Hexachlorobenzene	370U
87-86-5	Pentachlorophenol	1800U
85-01-8	Phenanthrene	2800
120-12-7	Anthracene	690
84-74-2	Di-n-Butylphthalate	710B
206-44-0	Fluoranthene	4200
129-00-0	Pyrene	5900
85-68-7	Butylbenzylphthalate	3600
91-94-1	3, 3'-Dichlorobenzidine	740U
56-55-3	Benzo(a)Anthracene	2100
117-81-7	bis(2-Ethylhexyl)Phthalate	2800
218-01-9	Chrysene	2300
117-84-0	Di-n-Octyl Phthalate	510B
205-99-2	Benzo(b)Fluoranthene	2300
207-08-9	Benzo(k)Fluoranthene	1600
50-32-8	Benzo(a)Pyrene	1700
193-39-5	Indeno(1, 2, 3-cd)Pyrene	740
53-70-3	Dibenzo(a, h)Anthracene	370U
191-24-2	Benzo(g, h, i)Perylene	510

* HRS

370 CRDL

* HRS

(1)-Cannot be separated from diphenylamine

Laboratory Name HAZLETON LABORATORIES

Case No 8001

Sample Number
EP401

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 9-9-87

Date Analyzed: 9-29-87

Conc/Dil Factor: 7.0

Percent Moisture (decanted) 9.8

GPC Cleanup ☐Yes ☒No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or (ug/Kg) (Circle One)	
319-84-6	Alpha-BHC	62	U
319-85-7	Beta-BHC	62	U
319-86-8	Delta-BHC	62	U
58-89-9	Gamma-BHC (Lindane)	62	U
76-44-8	Heptachlor	62	U
309-00-2	Aldrin	62	U
1024-57-3	Heptachlor Epoxide	62	U
959-98-8	Endosulfan I	62	U
60-57-1	Dieldrin	120	U
72-55-9	4,4'-DDE	120	U
72-20-8	Endrin	120	U
33213-65-9	Endosulfan II	120	U
72-54-8	4,4'-DDD	120	U
1031-07-8	Endosulfan Sulfate	120	U
50-29-3	4,4'-DDT	120	U
72-43-5	Methoxychlor	620	U
53494-70-5	Endrin Ketone	120	U
57-74-9	Chlordane	620	U
8001-35-2	Toxaphene	1200	U
12674-11-2	Aroclor-1016	620	U
11104-28-2	Aroclor-1221	620	U
11141-16-5	Aroclor-1232	620	U
53469-21-9	Aroclor-1242	620	U
12672-29-6	Aroclor-1248	~~620~~	U
11097-69-1	Aroclor-1254	1700	
11096-82-5	Aroclor-1260	~~1200~~	U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s — or W_s 27.1 g dry wt V_t 20,000 ul V_i 4.0 ul

LABORATORY NAME: HAZLETON LABORATORIES

CASE NO: 8001

SAMPLE NUMBER
EP 401 ~~1UL~~

9/21/87

ORGANIC ANALYSIS DATA SHEET
(PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

	CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONCENTRATION (UG/L ~~UG/KG~~)
1.	------	UNKNOWN	BNA	475	1400.
2.	2788-23-0	9H-CARBAZOLE, 9-NITROSO-	BNA	1601	230.
3.	2531-84-2	PHENANTHRENE, 2-METHYL-	BNA	1656	240.
4.	2531-84-2	PHENANTHRENE, 2-METHYL-	BNA	1661	270.
5.	203-64-5	4H-CYCLOPENTA[DEF]PHENANTHRENE	BNA	1678	590.
6.	612-94-2	NAPHTHALENE, 2-PHENYL-	BNA	1726	280.
7.	10544-50-0	SULFUR, MOL. (S8)	BNA	1791	630.
8.	------	UNKNOWN	BNA	1875	820.
9.	------	UNKNOWN	BNA	1889	650.
10.	2381-21-7	PYRENE, 1-METHYL-	BNA	1938	2200.
11.	3353-12-6	PYRENE, 4-METHYL-	BNA	1952	940.
12.	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	BNA	2052	740.
13.	239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPHENE	BNA	2074	640.
14.	------	UNKNOWN PNA's	BNA	2083	1200.
15.	------	UNKNOWN PNA's	BNA	2153	920.
16.	------	UNKNOWN PNA's	BNA	2250	610.
17.	------	UNKNOWN PNA's	BNA	2376	940.
18.	205-82-3	BENZO[J]FLUORANTHENE	BNA	2409	2600.
19.	119-07-3	1,2-BENZENEDICARBOXYLIC ACID, DECYL OCTYL ESTER	BNA	2443	610.
20.	17301-31-4	UNDECANE, 3,9-DIMETHYL-	BNA	2575	640.
21.	110-54-3	Hexane	VOA	300	9
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Sample Number
EP 402

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: HAZLETON LABORATORIES

Case No: 8001

Lab Sample ID No: 70901025

QC Report No:

Sample Matrix: soil

Contract No: 68-01-7146

Data Release Authorized By: David C. Gibb

Date Sample Received: 9-3-87

Volatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 09/08/87

Date Analyzed: 09/08/87

Conc/Dil Factor: 1 pH

Percent Moisture: (Not Decanted) 21.2 CF = 1.27

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	13U
74-83-9	Bromomethane	13U
75-01-4	Vinyl Chloride	13U
75-00-3	Chloroethane	13U
75-09-2	Methylene Chloride	16B
67-64-1	Acetone	67B
75-15-0	Carbon Disulfide	6U
75-35-4	1, 1-Dichloroethene	6U
75-34-3	1, 1-Dichloroethane	6U
156-60-5	Trans-1, 2-Dichloroethene	6U
67-66-3	Chloroform	6U
107-06-2	1, 2-Dichloroethane	6U
78-93-3	2-Butanone	13U
71-55-6	1, 1, 1-Trichloroethane	6U
56-23-5	Carbon Tetrachloride	6U
108-05-4	Vinyl Acetate	13U
75-27-4	Bromodichloromethane	6U

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	6U
10061-02-6	Trans-1, 3-Dichloropropene	6U
79-01-6	Trichloroethene	6U
124-48-1	Dibromochloromethane	6U
79-00-5	1, 1, 2-Trichloroethane	6U
71-43-2	Benzene	6U
10061-01-5	cis-1, 3-Dichloropropene	6U
110-75-8	2-Chloroethylvinylether	13U
75-25-2	Bromoform	6U
108-10-1	4-Methyl-2-Pentanone	13U
591-78-6	2-Hexanone	13U
127-18-4	Tetrachloroethene	6U
79-34-5	1, 1, 2, 2-Tetrachloroethane	6U
108-88-3	Toluene	2J
108-90-7	Chlorobenzene	6U
100-41-4	Ethylbenzene	6U
100-42-5	Styrene	6U
	Total Xylenes	6U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g., 10J). If limit of detection is 10 µg/l and a concentration of 3 µg/l is calculated, report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC-MS. Single component pesticides ≥10 ng/ul in the final extract should be confirmed by GC-MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

Laboratory Name: HAZLETON LABORATORIES

Case No: 8001

Sample Number: ED 402

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 9-9-87

Date Analyzed: 9-10-87

Conc/Dil Factor: 1

Percent Moisture (Decanted): 21.2

C.F. 1.27

GPC Cleanup ☐Yes ☑No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
108-95-2	Phenol	420U
111-44-4	bis(-2-Chloroethyl)Ether	
95-57-8	2-Chlorophenol	
541-73-1	1, 3-Dichlorobenzene	
106-46-7	1, 4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1, 2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylphenol	
621-64-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachloroethane	
98-95-3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-67-9	2, 4-Dimethylphenol	
65-85-0	Benzoic Acid	2100U
111-91-1	bis(-2-Chloroethoxy)Methane	420U
120-83-2	2, 4-Dichlorophenol	
120-82-1	1, 2, 4-Trichlorobenzene	
91-20-3	Naphthalene	
106-47-8	4-Chloroaniline	
87-68-3	Hexachlorobutadiene	
59-50-7	4-Chloro-3-Methylphenol	
91-57-6	2-Methylnaphthalene	
77-47-4	Hexachlorocyclopentadiene	
88-06-2	2, 4, 6-Trichlorophenol	
95-95-4	2, 4, 5-Trichlorophenol	2100U
91-58-7	2-Chloronaphthalene	420U
88-74-4	2-Nitroaniline	2100U
131-11-3	Dimethyl Phthalate	420U
208-96-8	Acenaphthylene	420U
99-09-2	3-Nitroaniline	2100U

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	420U
51-28-5	2, 4-Dinitrophenol	2100U
100-02-7	4-Nitrophenol	2100U
132-64-9	Dibenzofuran	420U
121-14-2	2, 4-Dinitrotoluene	
606-20-2	2, 6-Dinitrotoluene	
84-66-2	Diethylphthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorene	
100-01-6	4-Nitroaniline	2100U
534-52-1	4, 6-Dinitro-2-Methylphenol	2100U
86-30-6	N-Nitrosodiphenylamine (1)	420U
101-55-3	4-Bromophenyl-phenylether	420U
118-74-1	Hexachlorobenzene	420U
87-86-5	Pentachlorophenol	2100U
85-01-8	Phenanthrene	110J
120-12-7	Anthracene	420U
84-74-2	Di-n-Butylphthalate	210BJ
206-44-0	Fluoranthene	120J
129-00-0	Pyrene	120J
85-68-7	Butylbenzylphthalate	420U
91-94-1	3, 3'-Dichlorobenzidine	840U
56-55-3	Benzo(a)Anthracene	47J
117-81-7	bis(2-Ethylhexyl)Phthalate	58J
218-01-9	Chrysene	49J
117-84-0	Di-n-Octyl Phthalate	100BJ
205-99-2	Benzo(b)Fluoranthene	34J
207-08-9	Benzo(k)Fluoranthene	41J
50-32-8	Benzo(a)Pyrene	36J
193-39-5	Indeno(1, 2, 3-cd)Pyrene	420U
53-70-3	Dibenz(a, h)Anthracene	420U
191-24-2	Benzo(g, h, i)Perylene	420U

(1)-Cannot be separated from diphenylamine

Laboratory Name HAZLETON LABORATORIES

Case No 8001

Sample Number
EP 402

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 9-9-87

Date Analyzed: 9-26-87

Conc/Dil Factor: 1.0

Percent Moisture (decanted) 21.2

GPC Cleanup ☐Yes ☒No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)	
319-84-6	Alpha-BHC	10	u
319-85-7	Beta-BHC	10	u
319-86-8	Delta-BHC	10	u
58-89-9	Gamma-BHC (Lindane)	10	u
76-44-8	Heptachlor	10	u
309-00-2	Aldrin	10	u
1024-57-3	Heptachlor Epoxide	10	u
959-98-8	Endosulfan I	10	u
60-57-1	Dieldrin	20	u
72-55-9	4, 4'-DDE	20	u
72-20-8	Endrin	20	u
33213-65-9	Endosulfan II	20	u
72-54-8	4, 4'-DDD	20	u
1031-07-8	Endosulfan Sulfate	20	u
50-29-3	4, 4'-DDT	20	u
72-43-5	Methoxychlor	100	u
53494-70-5	Endrin Ketone	20	u
57-74-9	Chlordane	100	u
8001-35-2	Toxaphene	200	u
12674-11-2	Aroclor-1016	100	u
11104-28-2	Aroclor-1221	100	u
11141-16-5	Aroclor-1232	100	u
53469-21-9	Aroclor-1242	100	u
12672-29-6	Aroclor-1248	100	u
11097-69-1	Aroclor-1254	200	u
11096-82-5	Aroclor-1260	200	u

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s — or W_s 23.6 g dry wt. V_t 20,000 µl V_i 4.0 µl

LABORATORY NAME: HAZLETON LABORATORIES

CASE NO: 8001

SAMPLE NUMBER

EP402

ORGANIC ANALYSIS DATA SHEET
(PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

	CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONCENTRATION (UG/L ~~UG/KG~~)
1.	------	UNKNOWN	BNA	474	1100.
2.	3021-94-1	2H-PYRAN-2,3-DIOL, TETRAHYDRO-, DIACETATE, TRANS-	BNA	584	380.
3.	------	UNKNOWN Branched alkane or phthalate	BNA	2372	240.
4.	630-02-4	OCTACOSANE	BNA	2409	730.
5.	1002-17-1	DECANE, 2,9-DIMETHYL-	BNA	2572	190.
6.	109-66-0	Pentane	VOA	202	7
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Sample Number
EP 403

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: HAZLETON LABORATORIES

Case No: 8001

Lab Sample ID No: 70901026

QC Report No:

Sample Matrix: soil

Contract No: 68-01-7146

Data Release Authorized By: David C. Gill

Date Sample Received: 9-3-87

Volatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 09/08/87

Date Analyzed: 09/08/87

Conc/Dil Factor: 1 pH

Percent Moisture: (Not Decanted) 15.0 CF = 1.18

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	12U
74-83-9	Bromomethane	12U
75-01-4	Vinyl Chloride	12U
75-00-3	Chloroethane	12U
75-09-2	Methylene Chloride	14B
67-64-1	Acetone	16B
75-15-0	Carbon Disulfide	6U
75-35-4	1, 1-Dichloroethene	6U
75-34-3	1, 1-Dichloroethane	6U
156-60-5	Trans-1, 2-Dichloroethene	6U
67-66-3	Chloroform	6U
107-06-2	1, 2-Dichloroethane	6U
78-93-3	2-Butanone	12U
71-55-6	1, 1, 1-Trichloroethane	6U
56-23-5	Carbon Tetrachloride	6U
108-05-4	Vinyl Acetate	12U
75-27-4	Bromodichloromethane	6U

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	6U
10061-02-6	Trans-1, 3-Dichloropropene	6U
79-01-6	Trichloroethene	6U
124-48-1	Dibromochloromethane	6U
79-00-5	1, 1, 2-Trichloroethane	6U
71-43-2	Benzene	6U
10061-01-5	cis-1, 3-Dichloropropene	6U
110-75-8	2-Chloroethylvinylether	12U
75-25-2	Bromoform	6U
108-10-1	4-Methyl-2-Pentanone	12U
591-78-6	2-Hexanone	12U
127-18-4	Tetrachloroethene	6U
79-34-5	1, 1, 2, 2-Tetrachloroethane	6U
108-88-3	Toluene	4J
108-90-7	Chlorobenzene	6U
100-41-4	Ethylbenzene	6U
100-42-5	Styrene	6U
	Total Xylenes	6U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g., 10J). If limit of detection is 10 µg/l and a concentration of 3 µg/l is calculated, report as 3J.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥10 ng/ul in the final extract should be confirmed by GC/MS

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report

Laboratory Name: HAZLETON LABORATORIES

Case No: 8001

Sample Number
EP 403

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 9-9-87

Date Analyzed: 9-10-87

Conc/Dil Factor: 1

Percent Moisture (Decanted): 15.0

C.F. 1.18

GPC Cleanup ☐Yes ☑No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
108-95-2	Phenol	390U
111-44-4	bis(-2-Chloroethyl)Ether	
95-57-8	2-Chlorophenol	
541-73-1	1, 3-Dichlorobenzene	
106-46-7	1, 4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1, 2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylphenol	
621-64-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachloroethane	
98-95-3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-67-9	2, 4-Dimethylphenol	
65-85-0	Benzoic Acid	2000U
111-91-1	bis(-2-Chloroethoxy)Methane	390U
120-83-2	2, 4-Dichlorophenol	
120-82-1	1, 2, 4-Trichlorobenzene	
91-20-3	Naphthalene	
106-47-8	4-Chloroaniline	
87-68-3	Hexachlorobutadiene	
59-50-7	4-Chloro-3-Methylphenol	
91-57-6	2-Methylnaphthalene	
77-47-4	Hexachlorocyclopentadiene	
88-06-2	2, 4, 6-Trichlorophenol	
95-95-4	2, 4, 5-Trichlorophenol	2000U
91-58-7	2-Chloronaphthalene	390U
88-74-4	2-Nitroaniline	2000U
131-11-3	Dimethyl Phthalate	390U
208-96-8	Acenaphthylene	390U
99-09-2	3-Nitroaniline	2000U

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	97J
51-28-5	2, 4-Dinitrophenol	2000U
100-02-7	4-Nitrophenol	2000U
132-64-9	Dibenzofuran	27J
121-14-2	2, 4-Dinitrotoluene	390U
606-20-2	2, 6-Dinitrotoluene	
84-66-2	Diethylphthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorene	90J
100-01-6	4-Nitroaniline	2000U
534-52-1	4, 6-Dinitro-2-Methylphenol	2000U
86-30-6	N-Nitrosodiphenylamine (1)	390U
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachlorobenzene	
87-86-5	Pentachlorophenol	2000U
85-01-8	Phenanthrene	1300
120-12-7	Anthracene	270J
84-74-2	Di-n-Butylphthalate	860B
206-44-0	Fluoranthene	2600
129-00-0	Pyrene	2200
85-68-7	Butylbenzylphthalate	390U
91-94-1	3, 3'-Dichlorobenzidine	780U
56-55-3	Benzo(a)Anthracene	990
117-81-7	bis(2-Ethylhexyl)Phthalate	390U
218-01-9	Chrysene	1100
117-84-0	Di-n-Octyl Phthalate	390U
205-99-2	Benzo(b)Fluoranthene	890
207-08-9	Benzo(k)Fluoranthene	1100
50-32-8	Benzo(a)Pyrene	930
193-39-5	Indeno(1, 2, 3-cd)Pyrene	430
53-70-3	Dibenz(a, h)Anthracene	72J
191-24-2	Benzo(g, h, i)Perylene	280J

HRS

(1)-Cannot be separated from diphenylamine

Laboratory Name: HAZLETON LABORATORIES

Case No: 8001

Sample Number
EP403

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 9-9-87

Date Analyzed: 9-26-87

Conc/Dil Factor: 1.0

Percent Moisture (decanted) 15.0

GPC Cleanup ☐Yes ☒No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)	
319-84-6	Alpha-BHC	9.4	U
319-85-7	Beta-BHC	9.4	U
319-86-8	Delta-BHC	9.4	U
58-89-9	Gamma-BHC (Lindane)	9.4	U
76-44-8	Heptachlor	9.4	U
309-00-2	Aldrin	9.4	U
1024-57-3	Heptachlor Epoxide	9.4	U
959-98-8	Endosulfan I	9.4	U
60-57-1	Dieldrin	19	U
72-55-9	4, 4'-DDE	19	U
72-20-8	Endrin	19	U
33213-65-9	Endosulfan II	19	U
72-54-8	4, 4'-DDD	19	U
1031-07-8	Endosulfan Sulfate	19	U
50-29-3	4, 4'-DDT	19	U
72-43-5	Methoxychlor	94	U
53494-70-5	Endrin Ketone	19	U
57-74-9	Chlordane	94	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	94	U
11104-28-2	Aroclor-1221	94	U
11141-16-5	Aroclor-1232	94	U
53469-21-9	Aroclor-1242	94	U
12672-29-6	Aroclor-1248	94	U
11097-69-1	Aroclor-1254	190	U
11096-82-5	Aroclor-1260	190	U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s — or W_s 25.5 g dry wt V_t 20,000 µl V_i 4.0 µl

LABORATORY NAME: HAZLETON LABORATORIES

CASE NO: 8001

SAMPLE NUMBER

EP403

ORGANIC ANALYSIS DATA SHEET
(PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

	CAS NUMBER	COMPOUND NAME	FRAC-TION	SCAN NUMBER	ESTIMATED CONCENTRATION (UG/L UG/KG)
1.	------	UNKNOWN	BNA	476	1300.
2.	------	UNKNOWN	BNA	496	190.
3.	3021-94-1	2H-PYRAN-2,3-DIOL, TETRAHYDRO-, DIACETATE, TRANS-	BNA	585	280.
4.	------	UNKNOWN	BNA	1677	250.
5.	10544-50-0	SULFUR, MOL. (S8)	BNA	1790	480.
6.	3353-12-6	PYRENE, 4-METHYL-	BNA	1937	250.
7.	3353-12-6	PYRENE, 4-METHYL-	BNA	1951	180.
8.	195-19-7	BENZO[C]PHENANTHRENE	BNA	2151	160.
9.	638-66-4	OCTADECANAL	BNA	2372	660.
10.	205-82-3	BENZO[J]FLUORANTHENE	BNA	2406	460.
11.	630-02-4	OCTACOSANE	BNA	2410	240.
12.	629-97-0	DOCOSANE	BNA	2573	480.
13.		Unknown	VOA	173	10
14.	109-66-0	Pentane	↓	205	7
15.		Unknown	↓	444	42
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

ecology and environment, inc.

111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415

International Specialists in the Environment

CRL Receipt Date 10/15/87 FIT Receipt Date 11/10/87 Review Completed 11/15/87

TO: Kurt Sims

FROM: Brenda R. Jones

SUBJECT: Janson Landfill

PAN: IL 0449 CASE # 8001.

Sample Description

Organics (VOA, ABN, Pest/PCB)		Inorganics (Metals, Cyanide)	
#	Low Soil	# 4	Low Soil
	Low Water		Low Water
	Drinking Water		Drinking Water
	Other		Other

Project Data Status _____ Completed!!

✓ Incomplete, awaiting: _____

FIT Data Review Findings:

Check Data Sheets for Transcription Errors

✓ Compounds were detected in sample(s); see enclosed sheet.

Book No. 6 Page No. 293 Date Sampled 9/2/87

26U:001

recycled paper

ecology and environment, inc.
CHICAGO, ILLINOIS

CHEMICAL EVALUATION FORM

SITE NAME: Janson Landfill PAN#: DATE: 11/15/87

CASE #: 8001 UNITS: mg/kg REVIEWER: BRJ

TOX/ PERS	COMPOUND	CRDL	3-5xCRDL	MEP 445	446	447	448			
	ALUMINUM									
	ANTIMONY									
	ARSENIC	2			6.0		8.8			
	BARIUM									
	BERYLLIUM	1			0.66	0.74	0.98			
	CADMIUM	1			3.7					
	CHROMIUM	2		8.5	22	20	20			
	COBALT	10		4.9	12	16	9.4			
	COPPER	5		13	111	52	41			
	LEAD	1		36	467	35	106			
	MERCURY	.008			0.23	0.23				
	NICKEL	8		16	46	58	25			
	SELENIUM									
	SILVER									
	THALLIUM									
	TIN									
	VANADIUM	10		16	18	23	26			
	ZINC									
	CYANIDE									

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

NOV 10 1987

DATE: 11-6-87

Recd 11/10/87

SUBJECT: Review of Region V CLP Data
Received for Review on 10-15-87

Rec: 19 pages

FROM: Curtis Ross, Director (5SCRL)
Central Regional Laboratory Jay Thatcher

TO: Data User: FIT

We have reviewed the data for the following case(s).

SITE NAME: JANSON LANDFILL SMO case No. 8001

EPA Data Set No. SF 4385 No. of Samples: 4 D.U./Activity Numbers Y905 / C72100

CRL No. 87FS17595 - 598

SMO Traffic No. MEP445 - 448

CLP Laboratory: RMAL Hrs. Required for Review: 1

Following are our findings: This review covers 4 low soil samples analyzed for metals. Spike recoveries for Se (60%), Pb_F (0%) are shown above. Detection limit for Se could be elevated. All Se data are estimated.
All Pb data are estimated.
Duplicate analysis gave high RPD for Hg (24%). Limits of ±35% apply for soil duplicate analysis.
All other QC audits are acceptable.

Ada Leon
11.6.87

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualifications noted above.
( ) Data are preliminary - pending verification by Contractor Laboratory.
( ) Data are unacceptable.

cc: Duane Geuder, Quality Assurance Officer, EPA Support Services
James Petty, Chief Quality Assurance Research, EMSL, Las Vegas

EPA FORM 1320-6 (Rev. 5/87)

U.S. EPA Contract Laboratory Program
Sample Management Office
209 Madison St. - Alexandria, VA 22314
703/557-2490 FTS: 8-557-2490

000001

Date 10-2-87

COVER PAGE
INORGANIC ANALYSIS DATA PACKAGE

Lab Name ROCKY MOUNTAIN ANALYTICAL
SOW No. 784

Case No. 8001
QC Report No. 87263

Sample Numbers

EPA No.	Lab ID No.	EPA No.	Lab ID No.
MEP445D			
MEP445			
MEP445S			
MEP446			
MEP447			
MEP448			
[MEP999]			

RECEIVED
OCT 05 1987
US EPA CENTRAL REGIONAL LAB.
536 S. CLARK STREET
CHICAGO, ILLINOIS 60605

Comments: 4 LOW SOILS FOR TOTAL METALS ANALYSIS
SERIAL DILUTION OF SAMPLE ~~MEP488~~ MEP448 IS IDENTIFIED AS [MEP999]

ICP Interelement and background corrections applied? Yes X No ___.
If yes, corrections applied before X or after ___ generation of raw data.

Footnotes:

NR - not required by contract at this time
Form I:
Value - If the result is a value greater than or equal to the instrument detection limit but less than the contract required detection limit, report the value in brackets (i.e., [10]). Indicate the method used with P (for ICP/Flame AA) or F (for furnace).
U - Indicates element was analyzed for but not detected. Report with the detection limit value (e.g., 10U).
E - Indicates a value estimated or not reported due to the presence of Interference. Explanatory note included on cover page.
S - Indicates value determined by Method of Standard Addition.
R - Indicates spike sample recovery is not within control limits.
X - Indicates duplicate analysis is not within control limits.
+ - Indicates the correlation coefficient for method of standard addition is Less than 0.995
CV - Indicates Cold Vapor
AS - Indicates Automated Spectrophotometric

NARRATIVE

RMA QC#: 87263

CASE #: 8001

COMMENTS: The ICP prep blank had Lead contamination at 23 ppb, and the CCV had 36 ppb for Lead. Therefore all 4 samples were analyzed for Lead by furnace. The furnace prep blank had no contamination.

LAB MANAGER: KLD

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No. MEP445

Date 10-2-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ROCKY MOUNTAIN ANALYTICAL
SOW NO. 784
LAB SAMPLE ID. NO. -

CASE NO. 8001
QC REPORT NO. 87263

Elements Identified and Measured

Concentration: Low X Medium ____
Matrix: Water ____ Soil X Sludge ____ Other ____

ug/L or mg/kg dry weight (Circle One)

1.	ALUMINUM	3300	P	13.	MAGNESIUM	28100	P *
2.	ANTIMONY	13u	P	14.	MANGANESE	749	P
3.	ARSENIC	5.3u	F	15.	MERCURY	0.1lu	CV
4.	BARIUM	[56]	P	16.	NICKEL	[16]	P
5.	BERYLLIUM	0.53u	P	17.	POTASSIUM	[579]	P
6.	CADMIUM	2.1u	P	18.	SELENIUM	2.6u	F RUJ
7.	CALCIUM	56900	P	19.	SILVER	2.1u	P
8.	CHROMIUM	8.5	P	20.	SODIUM	574u	P
9.	COBALT	[4.9]	P	21.	THALLIUM	5.3u	F
10.	COPPER	[13]	P	22.	TIN	12u	P
11.	IRON	23300	P	23.	VANADIUM	[16]	P
12.	LEAD	[36] S	F RJ	24.	ZINC	66	P
Cyanide		NR	AS	Percent Solids (%)		95	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footn explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: Pb RESULT DETERMINED BY MSA

Lab Manager [illegible]

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
209 Madison St. - Alexandria, VA 22314
703/557-2490 FTS: 8-557-2490

EPA Sample No.
MEP446

Date 10-2-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ROCKY MOUNTAIN ANALYTICAL
SOW NO. 784
LAB SAMPLE ID. NO. -

CASE NO. 8001
QC REPORT NO. 87263

Elements Identified and Measured

Concentration: Low X Medium ____
Matrix: Water ____ Soil X Sludge ____ Other ____

mg/kg dry weight

1.	ALUMINUM	7180	P	13.	MAGNESIUM	3390	P X
2.	ANTIMONY	14U	P	14.	MANGANESE	488	P
3.	ARSENIC	6.0	F	15.	MERCURY	0.23	CV
4.	BARIUM	244	P	16.	NICKEL	46	P
5.	BERYLLIUM	[0.66]	P	17.	POTASSIUM	[1730]	P
6.	CADMIUM	3.7	P	18.	SELENIUM	2.7U	F R W
7.	CALCIUM	17700	P	19.	SILVER	2.2U	P
8.	CHROMIUM	22	P	20.	SODIUM	599U	P
9.	COBALT	[12]	P	21.	THALLIUM	5.5U	F
10.	COPPER	111	P	22.	TIN	12U	P
11.	IRON	23000	P	23.	VANADIUM	[18]	P
12.	LEAD	467 ~~869~~ UO	P FR J	24.	ZINC	604	P

Cyanide NR

Percent Solids (%) 91

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments:

Lab Manager UO

000005

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No. MEP447

Date 10-2-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ROCKY MOUNTAIN ANALYTICAL
SOW NO. 784
LAB SAMPLE ID. NO. -

CASE NO. 8001
QC REPORT NO. 87263

Elements Identified and Measured

Concentration: Low X Medium ____
Matrix: Water ____ Soil X Sludge ____ Other ____

ug/L or mg/kg dry weight (Circle One)

1.	ALUMINUM	7030	P	13.	MAGNESIUM	4780	P *
2.	ANTIMONY	15u	P	14.	MANGANESE	637	P
3.	ARSENIC	6.2u	F	15.	MERCURY	0.23	CV
4.	BARIUM	[64]	P	16.	NICKEL	58	P
5.	BERYLLIUM	[0.74]	P	17.	POTASSIUM	[2650]	P
6.	CADMIUM	2.5u	P	18.	SELENIUM	3.1u	F RUJ
7.	CALCIUM	32500	P	19.	SILVER	2.5u	P
8.	CHROMIUM	20	P	20.	SODIUM	673u	P
9.	COBALT	[16]	P	21.	THALLIUM	6.2u	F
10.	COPPER	52	P	22.	TIN	14u	P
11.	IRON	13000	P	23.	VANADIUM	[23]	P
12.	LEAD	[35] S	F RJ	24.	ZINC	54	P
Cyanide		NR	AS	Percent Solids (%)		81	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footn explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: Pb RESULT DETERMINED BY MSA

Lab Manager [illegible]

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No. MEP448

Date 10-2-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ROCKY MOUNTAIN ANALYTICAL
SOW NO. 784
LAB SAMPLE ID. NO. -

CASE NO. 8001
QC REPORT NO. 87263

Elements Identified and Measured

Concentration: Low X Medium ____
Matrix: Water ____ Soil X Sludge ____ Other ____

ug/L or mg/kg dry weight (Circle One)

1.	ALUMINUM	11300	P	13.	MAGNESIUM	7610	P*
2.	ANTIMONY	15u	P	14.	MANGANESE	638	P
3.	ARSENIC	8.8	F	15.	MERCURY	0.12u	CV
4.	BARIUM	[75]	P	16.	NICKEL	25	P
5.	BERYLLIUM	[0.98]	P	17.	POTASSIUM	[1620]	P
6.	CADMIUM	2.4u	P	18.	SELENIUM	2.9u	F RU
7.	CALCIUM	20000	P	19.	SILVER	2.4u	P
8.	CHROMIUM	20	P	20.	SODIUM	641u	P
9.	COBALT	[9.4]	P	21.	THALLIUM	5.9u	F
10.	COPPER	41	P	22.	TIN	13u	P
11.	IRON	21400	P	23.	VANADIUM	[26]	P
12.	LEAD	106	F RJ	24.	ZINC	348	P
	Cyanide	NR	AS		Percent Solids (%)	85	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footn explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: Pb RESULT REPORTED AT AN ADDITIONAL 10X DILUTION.

Lab Manager [illegible]

Form III

Q.C. Report No. 87263

BLANKS

LAB NAME ROCKY MOUNTAIN ANALYTICAL CASE NO. 8001

DATE 10-2-87 UNITS ug/L

Matrix SOIL

Preparation Compound	Initial Calibration Blank Value	Continuing Calibration Blank Value 1	2	3	4	Preparation Blank 1	2
Metals:							
1. ALUMINUM	15U	15U				15U	
2. ANTIMONY	25U	25U				25U	
3. ARSENIC	10u	10u	10u			10u	
4. BARIUM	3U	[3.7]				3U	
5. BERYLLIUM	1U	1U				[2.2]	
6. CADMIUM	4U	4U				4U	
7. CALCIUM	179U	179U				[232]	
8. CHROMIUM	4U	[4.4]				4U	
9. COBALT	9U	9U				9U	
10. COPPER	6U	6U				6U	
11. IRON	24U	24U				24U	
12. ~~LEAD~~	~~20U~~	~~36~~				~~23~~	(P)
13. MAGNESIUM	153U	153U				[305]	
14. MANGANESE	[4.5]	[5.9]				[6.4]	
15. MERCURY	0.2u	0.2u				0.2u	
16. NICKEL	8U	8U				8U	
17. POTASSIUM	175U	175U				[262]	
18. SELENIUM	5u	5u	5u			5u	
19. SILVER	[4.3]	4U				4U	
20. SODIUM	1090U	1090U				1090U	
21. THALLIUM	10u	10u	10u			10u	
22. TIN	22U	22U				22U	
23. VANADIUM	7U	7U				7U	
24. ZINC	3U	[4.3]				[5.5]	
Other:							
Cyanide							

Form III

Q.C. Report No. 87263

BLANKS

LAB NAME ROCKY MOUNTAIN ANALYTICAL CASE NO. 8001
DATE 10-2-87 UNITS ug/L
Matrix Soil

Preparation Compound	Initial Calibration Blank Value	Continuing Calibration Blank Value 1	2	3	4	Preparation Blank 1	2
Metals:							
1. ALUMINUM							
2. ANTIMONY							
3. ARSENIC							
4. BARIUM							
5. BERYLLIUM							
6. CADMIUM							
7. CALCIUM							
8. CHROMIUM							
9. COBALT							
10. COPPER							
11. IRON							
12. LEAD	5u	5u	5u	5u		5u	(F)
13. MAGNESIUM							
14. MANGANESE							
15. MERCURY							
16. NICKEL							
17. POTASSIUM							
18. SELENIUM							
19. SILVER							
20. SODIUM							
21. THALLIUM							
22. TIN							
23. VANADIUM							
24. ZINC							
Other:							
Cyanide							

Form III

Q.C. Report No. 87263

BLANKS

LAB NAME ROCKY MOUNTAIN ANALYTICAL CASE NO. 8001

DATE 10-2-87 UNITS ug/L

Matrix Soil

Preparation Compound	Initial Calibration Blank Value	Continuing Calibration Blank Value 1	2	3	4	Preparation Blank 1	2
Metals:							
1. ALUMINUM							
2. ANTIMONY							
3. ARSENIC							
4. BARIUM							
5. BERYLLIUM							
6. CADMIUM							
7. CALCIUM							
8. CHROMIUM							
9. COBALT							
10. COPPER							
11. IRON							
12. LEAD	5u	5u					(F)
13. MAGNESIUM							
14. MANGANESE							
15. MERCURY							
16. NICKEL							
17. POTASSIUM							
18. SELENIUM							
19. SILVER							
20. SODIUM							
21. THALLIUM							
22. TIN							
23. VANADIUM							
24. ZINC							
Other:							
Cyanide							

Form III

Q.C. Report No. 87263

BLANKS

LAB NAME ROCKY MOUNTAIN ANALYTICAL CASE NO. 8001

DATE 10-2-87 UNITS ug/L

Matrix SOIL

Preparation Compound	Initial Calibration Blank Value	Continuing Calibration Blank Value 1	2	3	4	Preparation Blank 1	2
Metals:							
1. ALUMINUM							
2. ANTIMONY							
3. ARSENIC							
4. BARIUM							
5. BERYLLIUM							
6. CADMIUM							
7. CALCIUM							
8. CHROMIUM							
9. COBALT							
10. COPPER							
11. IRON							
12. LEAD	5u	5u					
13. MAGNESIUM							
14. MANGANESE							
15. MERCURY							
16. NICKEL							
17. POTASSIUM							
18. SELENIUM							
19. SILVER							
20. SODIUM							
21. THALLIUM							
22. TIN							
23. VANADIUM							
24. ZINC							
Other:							
Cyanide							

~~1 of 42~~ 10 of 45

Form III

Q.C. Report No. 87263

BLANKS

LAB NAME ROCKY MOUNTAIN ANALYTICAL CASE NO. 8001

DATE 10-2-87 UNITS ug/L

Matrix Soil

Preparation Compound	Initial Calibration Blank Value	Continuing Calibration Blank Value 1	2	3	4	Preparation Blank 1	2
Metals:							
1. ALUMINUM		15u					
2. ANTIMONY		25u					
3. ARSENIC							
4. BARIUM		[4.0]					
5. BERYLLIUM		1u					
6. CADMIUM		4u					
7. CALCIUM		179u					
8. CHROMIUM		6u					
9. COBALT		9u					
10. COPPER		6u					
11. IRON		24u					
12. ~~LEAD~~		~~20u~~	~~u~~				(P)
13. MAGNESIUM		153u					
14. MANGANESE		[5.5]					
15. MERCURY							
16. NICKEL		8u					
17. POTASSIUM		175u					
18. SELENIUM							
19. SILVER		4u					
20. SODIUM		1090u					
21. THALLIUM							
22. TIN		22u					
23. VANADIUM		7u					
24. ZINC		[5.0]					
Other:							
Cyanide							

Form V

Q.C. Report No. 87263

SPIKE SAMPLE RECOVERY

LAB NAME ROCKY MOUNTAIN ANALYTICAL

DATE 10-2-87

CASE NO. 8001
EPA Sample No. MEP445
Lab Sample ID No. -
Units mg/kg

MATRIX SOIL

Compound	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R[1]	
Metals:						
1. ALUMINUM	75-125	2780	3130	NR		
2. ANTIMONY	75-125	190	12U	250	76	
3. ARSENIC	75-125	19 S	5U	20	95	
4. BARIUM	75-125	1010	[54]	1000	96	
5. BERYLLIUM	75-125	23	0.5U	25	92	
6. CADMIUM	75-125	23	2U	25	92	
7. CALCIUM	75-125	44900	54100	NR		
8. CHROMIUM	75-125	109	8.1	100	101	
9. COBALT	75-125	250	[4.7]	250	98	
10. COPPER	75-125	134	[12]	125	98	
11. IRON	75-125	18000	22100	NR		
12. ~~LEAD~~	~~75-125~~	~~274~~	~~52~~	~~250~~	~~89~~	(P)
13. MAGNESIUM	75-125	22600	26700	NR		
14. MANGANESE	75-125	920	711	250	84	
15. MERCURY	75-125	0.54	0.1U	0.5	108	
16. NICKEL	75-125	255	[15]	250	96	
17. POTASSIUM	75-125	[562]	[550]	NR		
18. SELENIUM	75-125	3.0	2.5U	5	60	R
19. SILVER	75-125	25	2U	25	100	
20. SODIUM	75-125	545U	545U	NR		
21. THALLIUM	75-125	20	5U	25	80	
22. TIN	75-125	238	11U	250	95	
23. VANADIUM	75-125	251	[16]	250	94	
24. ZINC	75-125	311	63	250	99	
Other:						
Cyanide	75-125					

[1] %R = [(SSR - SR)/SA] x 100
"R" - out of control

Comments: S-Determined by MSA

Form V

Q.C. Report No. 87263

SPIKE SAMPLE RECOVERY

LAB NAME ROCKY MOUNTAIN ANALYTICAL

DATE 10-2-87

MATRIX Soil

CASE NO. 8001
EPA Sample No. MEP445
Lab Sample ID No. -
Units mg/kg

Compound	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R[1]	
Metals:						
1. ALUMINUM	75-125					
2. ANTIMONY	75-125					
3. ARSENIC	75-125					
4. BARIUM	75-125					
5. BERYLLIUM	75-125					
6. CADMIUM	75-125					
7. CALCIUM	75-125					
8. CHROMIUM	75-125					
9. COBALT	75-125					
10. COPPER	75-125					
11. IRON	75-125					
12. LEAD	75-125	33	34 5	10	-0.10	R (F
13. MAGNESIUM	75-125					
14. MANGANESE	75-125					
15. MERCURY	75-125					
16. NICKEL	75-125					
17. POTASSIUM	75-125					
18. SELENIUM	75-125					
19. SILVER	75-125					
20. SODIUM	75-125					
21. THALLIUM	75-125					
22. TIN	75-125					
23. VANADIUM	75-125					
24. ZINC	75-125					
Other:						
Cyanide	75-125					

[1] %R = [(SSR - SR)/SA] x 100
"R"- out of control
Comments: 5- Determined by MSA

Form VI

Q.C. Report No. 87263

DUPLICATES

LAB NAME ROCKY MOUNTAIN ANALYTICAL

DATE 10-2-87

CASE NO. 8001
EPA Sample No. MEP445
Lab Sample ID No. -
Units mg/kg

Matrix SOIL

Compound	Control Limit[1]	Sample(S)	Duplicate(D)	RPD[2]	
Metals:					
1. ALUMINUM		3130	2800	11	
2. ANTIMONY		12U	12U	NC	
3. ARSENIC		5U	5U	NC	
4. BARIUM		[54]	[51]	NC	
5. BERYLLIUM		0.5U	0.5U	NC	
6. CADMIUM		2U	2U	NC	
7. CALCIUM		54100	45800	17	
8. CHROMIUM		8.1	9.3	14	
9. COBALT		[4.7]	[4.9]	NC	
10. COPPER		[12]	14	NC	
11. IRON		22100	19300	14	
12. ~~LEAD~~		~~52~~	~~45~~	~~14~~	(P)
13. MAGNESIUM		26700	20900	24	X
14. MANGANESE		711	688	3.3	
15. MERCURY		0.1U	0.1U	NC	
16. NICKEL		[15]	[13]	NC	
17. POTASSIUM		[550]	[520]	NC	
18. SELENIUM		2.5U	2.5U	NC	
19. SILVER		2U	2U	NC	
20. SODIUM		545U	545U	NC	
21. THALLIUM		5U	5U	NC	
22. TIN		11U	11U	NC	
23. VANADIUM		[16]	[13]	NC	
24. ZINC		63	65	3.1	
Other: % SOLIDS		95	95	Ø	
Cyanide					

X Out of Control
[1] To be added at a later date.
[2] RPD = [|S-D|/((S+D)/2)] x 100
NC - Non calculable RPD due to value(s) less than CRDL

Form VI

Q.C. Report No. 87263

DUPLICATES

LAB NAME ROCKY MOUNTAIN ANALYTICAL

DATE 10-2-87

CASE NO. 8001
EPA Sample No. MEP 445
Lab Sample ID No. -
Units mg/kg

MATRIX Soil

Compound	Control Limit[1]	Sample(S)	Duplicate(D)	RPD[2]
Metals:				
1. ALUMINUM				
2. ANTIMONY				
3. ARSENIC				
4. BARIUM				
5. BERYLLIUM				
6. CADMIUM				
7. CALCIUM				
8. CHROMIUM				
9. COBALT				
10. COPPER				
11. IRON				
12. LEAD		34 S	38	11 (F)
13. MAGNESIUM				
14. MANGANESE				
15. MERCURY				
16. NICKEL				
17. POTASSIUM				
18. SELENIUM				
19. SILVER				
20. SODIUM				
21. THALLIUM				
22. TIN				
23. VANADIUM				
24. ZINC				
Other:				
Cyanide				

* Out of Control
[1] To be added at a later date.
[2] RPD = [|S-D|/((S+D)/2)] x 100
NC - Non calculable RPD due to value(s) less than CRDL

S - DETERMINED BY MSA

~~1 of 2~~ 1 of 2

Form VII

Q.C. Report No. 87263
INSTRUMENT DETECTION LIMITS AND
LABORATORY CONTROL SAMPLE

LAB NAME ROCKY MOUNTAIN ANALYTICAL
DATE 10-2-87

CASE NO 8001
UNITS ug/L

Compound	Required Detection Limits (CRDL)-ug/l	Instrument Detection Limits (IDL)-ug/l ICP/AA	Furnace	Lab Control Sample True	Found	%R
Metals:						
1. ALUMINUM	200	15		1980	2150	109
2. ANTIMONY	60	25		1010	1100	108
3. ARSENIC	10	31	2	49	48	98
4. BARIUM	200	3		1980	1960	99
5. BERYLLIUM	5	1		481	499	104
6. CADMIUM	5	4		489	479	98
7. CALCIUM	5000	179		49800	51300	103
8. CHROMIUM	10	4		506	515	102
9. COBALT	50	9		474	500	105
10. COPPER	25	6		542	557	103
11. IRON	100	24		1990	2060	104
12. LEAD	5	20	1	~~4510~~	~~4150~~	~~92~~ (P)
13. MAGNESIUM	5000	153		25000	25100	100
14. MANGANESE	15	4		513	528	103
15. MERCURY	0.2		0.2CV	1.0	1.0	100
16. NICKEL	40	8		496	497	100
17. POTASSIUM	5000	175		50200	51200	102
18. SELENIUM	5		1	98	108	110
19. SILVER	10	4		509	484	95
20. SODIUM	5000	1090		50700	51800	102
21. THALLIUM	10		1	97	100	103
22. TIN	40	22		2000	1950	98
23. VANADIUM	50	7		511	503	98
24. ZINC	20	3		3100	2930	94
Other:						
Cyanide	10		10AS	58		

CV - Cold Vapor
AS - Automated Spectrophotometric

Form VII

Q.C. Report No. 87263
INSTRUMENT DETECTION LIMITS AND
LABORATORY CONTROL SAMPLE

LAB NAME ROCKY MOUNTAIN ANALYTICAL CASE NO 8001
DATE 10-2-87 UNITS ug/L

Compound	Required Detection Limits (CRDL)-ug/l	Instrument Detection Limits (IDL)-ug/l ICP/AA	Furnace	Lab Control Sample True	Found	%R
Metals:						
1. ALUMINUM	200	15		1980		
2. ANTIMONY	60	25		1010		
3. ARSENIC	10	31	2	49		
4. BARIUM	200	3		1980		
5. BERYLLIUM	5	1		481		
6. CADMIUM	5	4		489		
7. CALCIUM	5000	179		49800		
8. CHROMIUM	10	4		506		
9. COBALT	50	9		474		
10. COPPER	25	6		542		
11. IRON	100	24		1990		
12. LEAD	5	20	1	98	116 S	118 (E)
13. MAGNESIUM	5000	153		25000		
14. MANGANESE	15	4		513		
15. MERCURY	.2		0.2CV	1.0		
16. NICKEL	40	8		496		
17. POTASSIUM	5000	175		50200		
18. SELENIUM	5		1	98		
19. SILVER	10	4		509		
20. SODIUM	5000	1090		50700		
21. THALLIUM	10		1	97		
22. TIN	40	22		2000		
23. VANADIUM	50	7		511		
24. ZINC	20	3		3100		
Other:						
Cyanide	10		10AS			

CV - Cold Vapor
AS - Automated Spectrophotometric
S- Determined by MSA

Janson Landfill J N 5160.13

Peoria Bartonville Janson

14380801

BKJ

Eugene J. Daily.
Otis E. Michels
John P. Higgins
Walter H. Johan
Lyn A. Denton
Woodrow C. Che
Thomas B. Jonta
Philip W. Jacobs

Daily & Associates, Engineers, Inc.

1703 West Luthy Drive • Peoria, Illinois 61614 Tel. 309-691-5300

RECEIVED

ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY

TO: Janson Landfill
619 W. Garfield
Bartonville, Illinois 61607

SEP 30 1975
ENVIRONMENTAL PROTECTION AGENCY
STATE OF ILLINOIS

DATE RECEIVED 7-23-75
CLIENT P.O. # Verbal
D/A PROJECT # 5160.13
DATE OF REPORT 8-14-75

ATTENTION: Mrs. Barb Janson
cc: IEPA - DLPC

D/A SAMPLE NO.		5204-06	5204-07			
SAMPLE DESCRIPTION		Upstream	Downstream		RECEIVED	
SAMPLE DATE		7-22-75	7-22-75		AUG 15 1975	
Acids, Volatile Organic	mg/l					
Acidity, (as $CaCO_3$)	mg/l				I.E.P.A. - D.L.P.C.	
Alkal., P'phthalein	mg/l				STATE OF ILLINOIS	
Alkal., Total, (as $CaCO_3$)	mg/l	230	250			
Bicarbonates	mg/l					
BOD-5, Total	mg/l					
BOD-5, Soluble	mg/l					
BOD-20, Total	mg/l					
BOD-20, Carbonaceous	mg/l					
BOD-20, Nitrogenous	mg/l					
Bromide	mg/l					
Carbonates	mg/l					
Chloramine, Mono-	mg/l					
Chloramine, Di-	mg/l					
Chloride	mg/l	3650	3000			
Chlorine-Demand	mg/l					
-Comb. Residual	mg/l					
-Free Residual	mg/l					
-Total Residual	mg/l					
Color	Unit					
C.O.D.	mg/l	40	50			
Cyanide, Free	mg/l					
Cyanide, Total	mg/l					
Dissolved Oxygen	mg/l					
Fluoride	mg/l					
Hardness (as $CaCO_3$)	mg/l	1250	1250			
Nitrogen, Ammonia (as N)	mg/l	<0.5	<0.5			
Nitrogen, Kjeldahl (as N)	mg/l					
Nitrogen, Organic (as N)	mg/l					

8-14-75

ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY

D/A SAMPLE NO.		5204-06	5204-07			
SAMPLE DESCRIPTION		Upstream	Downstream			
SAMPLE DATE		7-22-75	7-22-75			
Nitrate	mg/l					
Nitrite	mg/l					
Odor,Intensity Index	OII					
Odor,Threshold @ 60°C	TO					
Oils & Grease (Soxhlet)	mg/l					
Oxygen Demand Index	mg/l					
pH	Units	7.9	7.8			
Phenols	mg/l					
Phosphate,Total (as P)	mg/l					
Phosphate,Ortho (as P)	mg/l					
Phosphorous (as P)	mg/l					
Sludge Volume Index	Units					
Specific Conductance	umhos					
Solids,Total (103°c)	mg/l					
Solids,Total (180°)	mg/l					
Solids,Total Fixed	mg/l					
Solids,Total Volatile	mg/l					
Solids,Dissolved	mg/l	815	810			
Solids,Settleable	ml/l					
Solids,Tot.Suspended	mg/l					
Solids,Volatile Sus.	mg/l					
Solids,Volatile Sus.	%					
Sulfate	mg/l	360	375			
Sulfide	mg/l					
Sulfite	mg/l					
Total Organic Carbon	mg/l					
Turbidity	JTU					
BACTERIOLOGICAL ANALYSIS						
Coliforms,Total	#/100ml					
Coliforms,Fecal	#/100ml					
Fecal Streptococci	#/100ml					
Pseud.aeruginosa	#/100ml					
Staph.aureus	#/100ml					

mg/l=parts per million

Analysis Certified By: James F. Dallmeyer

James F. Dallmeyer
Chief Chemist

Analysis and Testing performed in accordance with procedures described in Standard Methods for the Examination of Water and Waste Water 13th Edition,(1971) A.P.H.A.;ASTM Standards Part 23, "Water,Atmospheric Analysis",(1972),A.S.T.M.; and other equivalent procedures.

100% Recycled Pap

8-14-75

ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY

EETA SAMPLE NO.		5204-06	5204-07			
SAMPLE DESCRIPTION		Upstream	Downstream			
SAMPLE DATE		7-22-75	7-22-75			
HEAVY METALS ANALYSIS						
Aluminum	mg/l					
Antimony	mg/l					
Arsenic	mg/l					
Barium	mg/l					
Beryllium	mg/l					
Bismuth	mg/l					
Boron*	mg/l	.30	.30			
Cadmium	mg/l					
Calcium	mg/l	21	24			
Chromium Trivalent *	mg/l					
Chromium Hexavalent*	mg/l					
Chromium Total	mg/l	0.001	0.003			
Copper	mg/l	0.004	<0.003			
Iron Dissolved	mg/l					
Iron Total	mg/l	0.17	0.33			
Lanthanum	mg/l					
Lead	mg/l	<0.009	<0.004			
Magnesium	mg/l	290	290			
Manganese	mg/l	0.022	0.085			
Mercury	ppb	*	*			
Nickel	mg/l					
Potassium	mg/l	4.7	3.8			
Selenium	mg/l					
Silicon	mg/l					
Silver	mg/l					
Sodium	mg/l	40	38			
Strontium	mg/l					
Sulfur	mg/l					
Tin	mg/l					
Titanium	mg/l					
Tungsten	mg/l					
Vanadium	mg/l					
Zinc	mg/l	0.005	0.016			

mg/l=parts per million

* To be reported upon completion

Analysis Certified By:

James F. Dallmeyer
Chief Chemist

Analysis and Testing performed in accordance with procedures described in Standard Methods for the Examination of Water and Waste Water 13th Edition,(1971) A.P.H.A.;ASTM Standards Part 23, "Water,Atmospheric Analysis",(1972),A.S.T.M.; and other equivalent procedures.

All analysis by Atomic Absorption Spectrophotometry unless otherwise specified.
* Analysis by wet chemistry procedures.

100% Recycled Pap

Low soils

Site Name Janson Landfill TDD F5-8107-024 IL0449 Case Number 80001

OTR	ITR	CRL	NEIC TAG NUMBER	ORG CHAIN OF CUSTODY	INO CHAIN OF CUSTODY	SAS NUMBER
EP400	MEP445	See Log Book	See Log Book	15165	21761	
EP401	MEP446			15165	21761	
EP402	MEP447			15165	21761	
EP403	MEP448			15165	21761	

CB, KG/df
9-30-81

SMP-002

SAMPLE PROPOSAL
FIT REGION V

1. Date Form Completed 7-30-87

2. Account # FIL0449SI TDD # F05-8707-024

EPA I.D. # ILD981100423

3. Site Name, City, State ANSON LF

PEORIA, ILL.

4. Team Leader KURT SIMS Sampler Neswick/Arnold

5. Number and Type of Samples:

Soil/Sediment 4 Surface Water — Ground Water —

Residential/Municipal Wells — Other —

Number of Blanks _____ Number of Duplicates _____

6. RAS Parameters Requested:

A/B/N ____ Pest/PCB ____ Volatiles ✓ Metals ✓ Cyanide ____

SAS Parameters Requested: _____

7. Expected Sampling Date(s): Sept. 2 1987

Expected Shipping Date(s): Sept. 2 1987

8. Lab Used For Analysis: Organic Hayet

Inorganic RMAL

SAS _____

9. Case Number 8001 SAS Number _____

10. Airbill Numbers: 9/2

Organic Lab 283930684 # Coolers 1 # Samples 4 soils

Inorganic Lab 283930673 # Coolers 1 # Samples 4 soils

CRL/SAS Lab _____ # Coolers ____ # Samples ____

complete

SAMPLE DESCRIPTION

SITE NAME/TDD# Janson landfill / F05-8707-024

CASE NUMBER 8001

SAMPLE #/STATION LOCATION S-1

SAMPLING DATE 9/2/87 SAMPLING TIME 11:23

ORGANIC TRAFFIC NUMBER E0100

INORGANIC TRAFFIC NUMBER ME0445

BOTTLE	ANALYSIS	TAG NUMBERS	LOT NUMBER
1 - 8oz	Organics	5-016828	F2231252
2 - 120ml	VOAS	29 30	D7188081
1 - 8oz	metals	31	C7198142

PHYSICAL DESCRIPTION AT TIME OF COLLECTION: Fill material - brown sandy gravel

PHYSICAL CHANGES FROM TIME OF COLLECTION UNTIL SHIPMENT:

INSTRUMENT READINGS

pH

CONDUCTIVITY

TEMPERATURE

SAMPLE DESCRIPTION

SITE NAME/TDD# Janson landfill / F05-8707-024

CASE NUMBER 8001

SAMPLE #/STATION LOCATION S-2

SAMPLING DATE 9/2/87 SAMPLING TIME 11:33

ORGANIC TRAFFIC NUMBER E0401

INORGANIC TRAFFIC NUMBER MEp 446

BOTTLE	ANALYSIS	TAG NUMBERS	LOT NUMBER
1 - 8oz	Organics	5-016832	F2231252
2 - 120ml	VOAs	33 34	D7188081
1 - 8oz	metals	35	C7198142

PHYSICAL DESCRIPTION AT TIME OF COLLECTION: fill material gray brown, granular, loose

PHYSICAL CHANGES FROM TIME OF COLLECTION UNTIL SHIPMENT:

INSTRUMENT READINGS

pH

CONDUCTIVITY

TEMPERATURE

SAMPLE DESCRIPTION

SITE NAME/TDD# Janson landfill / F05-8707-024

CASE NUMBER 8001

SAMPLE #/STATION LOCATION S-3

SAMPLING DATE 9/2/87 SAMPLING TIME 11:40

ORGANIC TRAFFIC NUMBER E P 402

INORGANIC TRAFFIC NUMBER ME P 447

BOTTLE	ANALYSIS	TAG NUMBERS	LOT NUMBER
1 - 8oz	ORGANICS	5-016836	F2231252
2 - 120ml	VOAS	37 38	D7188081
1 - 8oz	metals	39	C7198142

PHYSICAL DESCRIPTION AT TIME OF COLLECTION: Black, clay soil

PHYSICAL CHANGES FROM TIME OF COLLECTION UNTIL SHIPMENT:

INSTRUMENT READINGS

pH

CONDUCTIVITY

TEMPERATURE

SAMPLE DESCRIPTION

SITE NAME/TDD# Janson landfill / F05-8707-024

CASE NUMBER 8001

SAMPLE #/STATION LOCATION S-4

SAMPLING DATE 9/2/87 SAMPLING TIME 12:15

ORGANIC TRAFFIC NUMBER E P 403

INORGANIC TRAFFIC NUMBER ME P 448

BOTTLE	ANALYSIS	TAG NUMBERS	LOT NUMBER
1 - 8oz	Organics	5-016840	F2231252
2 - 120ml	VOAS	41 42	D7188081
1 - 8oz	metals	43	C7198142

PHYSICAL DESCRIPTION AT TIME OF COLLECTION: Background

PHYSICAL CHANGES FROM TIME OF COLLECTION UNTIL SHIPMENT:

INSTRUMENT READINGS

pH

CONDUCTIVITY

TEMPERATURE

SAMPLE PROPOSAL
FIT REGION V

1. Date Form Completed 7-30-87

2. Account # FIL0449SI TDD # F05-8707-024

EPA I.D. # ILD981100423

3. Site Name, City, State J ANSON LF

PEORIA, ILL.

4. Team Leader KURT SIMS Sampler K. NIESWICK

5. Number and Type of Samples:

Soil/Sediment 4 Surface Water — Ground Water —

Residential/Municipal Wells — Other —

Number of Blanks _____ Number of Duplicates _____

6. RAS Parameters Requested:

A/B/N ____ Pest/PCB ____ Volatiles ✓ Metals ✓ Cyanide ____

SAS Parameters Requested: _____

7. Expected Sampling Date(s): Sept. 2 1987

Expected Shipping Date(s): Sept. 2 1987

8. Lab Used For Analysis: Organic _____

Inorganic _____

SAS _____

9. Case Number _____ SAS Number _____

10. Airbill Numbers:

Organic Lab _____ # Coolers _____ # Samples _____

Inorganic Lab _____ # Coolers _____ # Samples _____

CRL/SAS Lab _____ # Coolers _____ # Samples _____