Amoco Petroleum Additives Company
Post Office Box 182
Wood River, Illinois 62095-0182
618-251-2200

EPA Region 5 Records Ctr.
360691

Henry A. McCandless
Vice President, Manufacturing

April 2, 1985

Illinois Environmental Protection Agency
Division of Land Pollution Control
Compliance Monitoring Unit
2200 Churchill Road
Springfield, Illinois 62706

Attention: Mr. Mark Haney

Gentlemen:

Groundwater Monitoring Data/Amoco - Main Plant

Attached are the results of the RCRA quarterly groundwater testing for the Amoco Wood River Main Plant identified as site ILD 980700967. The data indicated that wells RP-1, RP-2 and RP-4 exceeded the Primary Drinking Water Standard for fecal coliform. The chromium analyses for RP-1, RP-2 and RP-3 was greater than the standard. The nitrate concentration in RP-4 was found to be above the drinking water standard.

Please direct any questions pertaining to this report to G. J. Wurtz at (312) 856-5858 or R. A. Sumner at (618) 251-2228.

Yours truly,

Henry A. McCandless/RAS

Henry A. McCandless

RAS/de

Attachment

RECEIVED
APR 05 1985
IEPA-DLPC

RECEIVED
MAY 02 1985
ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS

RECORD CODE L P C S M 0 1 TRANS CODE A

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

REPORT DUE DATE 01/15/85 (M D Y)

FEDERAL ID NUMBER I L D 9 8 0 7 0 0 9 6

SITE INVENTORY NUMBER 1 1 9 1 1 5 0 0 0 1
REGION S CO. MADISON
AMOCO - MAIN PLANT
FACILITY NAME

MONITOR POINT NUMBER G 1 5 0 (see Instructions)
DATE COLLECTED 12/05/84 (M D Y)
IEPA LAB (x or Blank) (see Instructions) RP-1

FOR IEPA USE ONLY
COMPLAINT NO.
DATE RECEIVED 04/05/85 (M D Y)
SAMPLING PURPOSE CODE (see Instructions)
TIME CARD PROGRAM CODE & UNIT CODE

BACKGROUND SAMPLE (X) X
TIME COLLECTED (24 HR CLOCK) 0 9 3 (H M)
UNABLE TO COLLECT SAMPLE (see Instructions)
MONITOR POINT SAMPLED BY (see Instructions) A OTHER (SPECIFY)
SAMPLE FIELD FILTERED - INORGANICS (X) X ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Thomas P. Kubon /RAS — T P K — Amoco R&D — Thomas P. Kubon /RAS — Amoco R&D
COLLECTED BY — INITIALS — DIVISION OR COMPANY — TRANSPORTED BY — DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. LAB NAME Amoco Research Center LAB ID NO. 0 0 6 1
DATE RECEIVED 12-12-84 AND ADDRESS
TIME RECEIVED 09:00
SAMPLE TEMP OKAY Y (Y/N) SAMPLE PROPERLY PRESERVED Y (Y/N) DATE COMPLETED 2-19-85 FORWARD 2-28-85
LAB COMMENTS

R.F. Babcock /RAS
SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 1 2 TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
X	DEPTH TO WATER (ft. below LS)	72019				33.67	2	2
X	ELEVATION OF GW SURFACE (ft. ref MSL)	71993				397.72	2	2
	TOTAL WELL DEPTH (ft. below LS)	72008				50.83	2	2
	ALKALINITY TOTAL (mg/l as CaCO3) - Field	00431				.		
	REDOX POTENTIAL (millivolt) - Field	00090				.		
	pH (units) - Field	00400				.		
	SPEC CONDUCTANCE (umhos) - Field	00094				.		
X	TEMP OF WATER SAMPLE (°F) Field	00011				59.	1	L
						.		
						.		

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil

IEPA/DLPC

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 (1–7) TRANS CODE A (8)

SITE INVENTORY NUMBER 1 1 9 1 1 5 0 0 0 1 (8–18)

MONITOR POINT NUMBER G 1 5 0 (19–22)

REGION S CO. MADISON

DATE COLLECTED 1 2 / 0 5 / 8 4 (23 M / D / Y 28)

AMOCO - MAIN PLANT

FACILITY NAME

IEPA LAB (x or Blank) 29 RP-1

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
*	CNDUCTVY FIELD MICROMHO	00094		1		1303.	1	L
	CNDUCTVY FIELD MICROMHO	00094		2		1322.	1	L
	CNDUCTVY FIELD MICROMHO	00094		3		1343.	1	L
	CNDUCTVY FIELD MICROMHO	00094		4		1360.	1	L
	FIELD PH SU	00400		1		6.5	1	R
	FIELD PH SU	00400		2		6.6	1	R
	FIELD PH SU	00400		3		6.6	1	R
	FIELD PH SU	00400		4		6.6	1	R
	NO3-N DISS MG/L	00618			<	1.0	1	R
	T ORG C AS C MG/L	00680		1		42.	1	L
	T ORG C AS C MG/L	00680		2		47.	1	L
	T ORG C AS C MG/L	00680		3		48.	1	L
	T ORG C AS C MG/L	00680		4		44.	1	L
	SODIUM NA, DISS MG/L	00930				95.	1	L
	CHLORIDE CL, DISS MG/L	00941				43.	1	L
	SULFATE SO4 DISS MG/L	00946				181.	1	L
	FLUORIDE F, DISS MG/L	00950			<	0.2	1	R
	ARSENIC AS, DISS UG/L	01000				38.	1	L
	BARIUM BA, DISS UG/L	01005				130.	2	L
	CADMIUM CD, DISS UG/L	01025			<	9.	2	L
	CHROMIUM CR, DISS UG/L	01030				60.	2	L
	IRON FE, DISS UG/L	01046				30000.	4	L
	LEAD PB, DISS UG/L	01049			<	2.	1	L
	MANGANESE MN, DISS UG/L	01056				2500.	3	L
	SILVER AG, DISS UG/L	01075			<	20.	2	L
	SELENIUM SE, DISS UG/L	01145				5.	1	L
	ALPHA, TOTAL PC/L	01501			<	2.	1	L

IEPA/DLPC

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 (1–7) TRANS CODE A (8)

SITE INVENTORY NUMBER 1 1 9 1 1 5 0 0 0 1 (8–15)

MONITOR POINT NUMBER G 1 5 0 (19–22)

REGION S CO. MADISON

AMOCO - MAIN PLANT

FACILITY NAME

DATE COLLECTED 1 2 / 0 5 / 8 (23 M / D / Y)

IEPA LAB (x or Blank) 29 RP-1

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
*	ALPHA-T ERROR PC/L	01502						
	BETA, TOTAL PC/L	03501				24.	1	
	BETA-T ERROR PC/L	03502				21.	1	
	RA-226 + RA-228 PC/L	11503			<	1.	1	
	RA-226 + RA-228 ERR PC/L	11504						
	TOT COLI MFIMENDO/100 ML	31501				1.8	1	
	PHENOLS TOTAL UG/L	32730				240.	2	
	ENDRIN TOT UG/L	39390			<	0.2	1	
	TOXAPENE TOT UG/L	39400			<	5.	1	
	MTHXYCLR TOT UG/L	39480			<	100.	3	
	2, 4-D TOT UG/L	39730			<	100.	3	
	SILVEX TOT UG/L	39760			<	10.	2	
	LINDANE TOT UG/L	39782			<	4.	1	
	MERCURY HG, DISS UG/L	71890			<	0.2	1	
	TOX HALOGEN UG/L	78115		1		80.	2	
	TOX HALOGEN UG/L	78115		2		60.	2	
	TOX HALOGEN UG/L	78115		3		40.	2	
	TOX HALOGEN UG/L	78115		4		70.	2	
	PRIORITY							
	POLLUTANTS							
	IDENTIFIED							

RECORD CODE L P C S M 0 1 — TRANS CODE A

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

REPORT DUE DATE 01/15/85 (M D Y 41)

FEDERAL ID NUMBER I L D 9 8 0 7 0 0 9 6

SITE INVENTORY NUMBER 1 1 9 1 1 5 0 0 0 1 (9–18)

MONITOR POINT NUMBER G 1 5 1 (19–22) (see Instructions)

REGION S CO. MADISON

DATE COLLECTED 12/05/84 (23 M D Y 28)

AMOCO - MAIN PLANT

FACILITY NAME

IEPA LAB (x or Blank) (see Instructions) 29 RP-2

FOR IEPA USE ONLY — COMPLAINT NO.

DATE RECEIVED 040585 (42 M D Y 47)

SAMPLING PURPOSE CODE (see Instructions) 48

TIME CARD

PROGRAM CODE 49 — — 52 & UNIT CODE 53

BACKGROUND SAMPLE (X) X (54) TIME COLLECTED (24 HR CLOCK) 110 (55 H M)

UNABLE TO COLLECT SAMPLE (see Instructions) 59

MONITOR POINT SAMPLED BY (see Instructions) A (60) OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) X (61) ORGANICS (X) 6

SAMPLE APPEARANCE 63 — 102

COLLECTOR COMMENTS 103 — 142

SPECIAL INSTRUCTIONS TO LAB

Thomas P. Kubon/RAS (143) TPK (145) — COLLECTED BY / INITIALS

Amoco R&D — DIVISION OR COMPANY

Thomas P. Kubon/RAS — TRANSPORTED BY

Amoco R&D — DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO.

LAB NAME Amoco Research Center

LAB ID NO 0061 (146–149)

DATE RECEIVED 12-12-84

AND ADDRESS

TIME RECEIVED 09:00

SAMPLE TEMP OKAY Y (Y/N) SAMPLE PROPERLY PRESERVED Y (Y/N) DATE COMPLETED 2-19-85 FORWARD 2-28-85

LAB COMMENTS 150 — 199

SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 — TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

		FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
*	X	DEPTH TO WATER (ft. below LS)	72019 (10–14)				36.25	2	R
	X	ELEVATION OF GW SURFACE (ft. ref MSL)	71993				399.38	2	R
		TOTAL WELL DEPTH (ft. below LS)	72008				49.33	2	R
		ALKALINITY TOTAL mg/l as CaCO3 - Field	00431						
		REDOX POTENTIAL (millivolt) - Field	00090						
		pH (units) - Field	00400						
		SPEC CONDUCTANCE (umhos) - Field	00094						
	X	TEMP OF WATER SAMPLE (°F) Field	00011				57.	1	L

IEPA/DLPC

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 (1–7) TRANS CODE A (8)

SITE INVENTORY NUMBER 1 1 9 1 1 5 0 0 0 1 (8–18)

MONITOR POINT NUMBER G 1 5 (19)

REGION S COUNTY MADISON

DATE COLLECTED 12 (M) / 05 (D) / 8 (23)

AMOCO - MAIN PLANT

FACILITY NAME

IEPA LAB (x or Blank) (29) RP-2

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORT LEVEL
*	CNDUCTVY FIELD MICROMHO	00094		1		1234.	1
	CNDUCTVY FIELD MICROMHO	00094		2		1245.	1
	CNDUCTVY FIELD MICROMHO	00094		3		1232.	1
	CNDUCTVY FIELD MICROMHO	00094		4		1208.	1
	FIELD PH SU	00400		1		6.6	1
	FIELD PH SU	00400		2		6.7	1
	FIELD PH SU	00400		3		6.7	1
	FIELD PH SU	00400		4		6.7	1
	NO3-N DISS MG/L	00618			<	1.0	1
	T ORG C AS C MG/L	00680		1		28.	1
	T ORG C AS C MG/L	00680		2		30.	1
	T ORG C AS C MG/L	00680		3		30.	1
	T ORG C AS C MG/L	00680		4		27.	1
	SODIUM NA, DISS MG/L	00930				73.	1
	CHLORIDE CL, DISS MG/L	00941				21.	1
	SULFATE SO4 DISS MG/L	00946				380.	1
	FLUORIDE F, DISS MG/L	00950			<	0.2	1
	ARSENIC AS, DISS UG/L	01000				9.	1
	BARIUM BA, DISS UG/L	01005				200.	2
	CADMIUM CD, DISS UG/L	01025			<	9.	1
	CHROMIUM CR, DISS UG/L	01030				60.	2
	IRON FE, DISS UG/L	01046				12000.	4
	LEAD PB, DISS UG/L	01049			<	2.	1
	MANGANESE MN, DISS UG/L	01056				4200.	3
	SILVER AG, DISS UG/L	01075			<	20.	2
	SELENIUM SE, DISS UG/L	01145			<	4.	1
	ALPHA, TOTAL PC/L	01501			<	2.	1

IEPA/DLPC

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 (1–7) TRANS CODE A (8)

SITE INVENTORY NUMBER 1 1 9 1 1 5 0 0 0 1 (8–18)

MONITOR POINT NUMBER G 1 5 1 (19–22)

REGION S CO. MADISON

AMOCO - MAIN PLANT

FACILITY NAME

DATE COLLECTED 12/05/84 (23 M / D / Y)

IEPA LAB (x or Blank) 29 RP-2

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL
*	ALPHA-T ERROR PC/L	01502					
	BETA, TOTAL PC/L	03501			<	3.	1
	BETA-T ERROR PC/L	03502					
	RA-226 + RA-228 PC/L	11503			<	1.	1
	RA-226 + RA-228 ERR PC/L	11504					
	TOT COLI MFIMENDO/100 ML	31501				15.	1
	PHENOLS TOTAL UG/L	32730			<	10.	2
	ENDRIN TOT UG/L	39390			<	0.2	1
	TOXAPENE TOT UG/L	39400			<	5.	1
	MTHXYCLR TOT UG/L	39480			<	100.	3
	2, 4-D TOT UG/L	39730			<	100.	3
	SILVEX TOT UG/L	39760			<	10.	2
	LINDANE TOT UG/L	39782			<	4.	1
	MERCURY HG, DISS UG/L	71890			<	0.2	1
	TOX HALOGEN UG/L	78115		1		20.	2
	TOX HALOGEN UG/L	78115		2		30.	2
	TOX HALOGEN UG/L	78115		3		20.	2
	TOX HALOGEN UG/L	78115		4		30.	2

RECORD CODE: L P C S M 0 1 1 TRANS CODE: A

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

REPORT DUE DATE 01/15/85

FEDERAL ID NUMBER I L D 9 8 0 7 0 0 9 6

SITE INVENTORY NUMBER 1 1 9 1 1 5 0 0 0 1

REGION S CO. MADISON

AMOCO - MAIN PLANT

FACILITY NAME

MONITOR POINT NUMBER G 1 5 2 (see Instructions)

DATE COLLECTED 12/05/84

IEPA LAB (x or Blank) (see Instructions)

RP-3

FOR IEPA USE ONLY COMPLAINT NO.

DATE RECEIVED 04 05 85

SAMPLING PURPOSE CODE (see Instructions)

TIME CARD PROGRAM CODE & UNIT CODE

BACKGROUND SAMPLE (X) X TIME COLLECTED (24 HR CLOCK) 1 3 0

UNABLE TO COLLECT SAMPLE (see Instructions)

MONITOR POINT SAMPLED BY A (see Instructions) OTHER (SPECIFY)

SAMPLE FIELD FILTERED INORGANICS (X) X ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Thomas P. Kubon/RAS — COLLECTED BY; T P K — INITIALS; Amoco R&D — DIVISION OR COMPANY

Thomas P. Kubon/RAS — TRANSPORTED BY; Amoco R&D — DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO. LAB NAME Amoco Research Center LAB ID NO. 0061

DATE RECEIVED 12-12-84 AND ADDRESS

TIME RECEIVED 09:00

SAMPLE TEMP OKAY Y (Y/N) SAMPLE PROPERLY PRESERVED Y (Y/N) DATE COMPLETED 2-19-85 FORWARD 2-28-85

LAB COMMENTS

R.F. Babcock /RAS

SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 1 2 TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
* X	DEPTH TO WATER (ft. below LS)	72019				36.83	2	F
X	ELEVATION OF GW SURFACE (ft. ref MSL)	71993				398.83	2	F
	TOTAL WELL DEPTH (ft. below LS)	72008				46.54	2	F
	ALKALINITY TOTAL (mg/l as CaCO3) - Field	00431				.		
	REDOX POTENTIAL (millivolt) - Field	00090				.		
	pH (units) - Field	00400				.		
	SPEC CONDUCTANCE (umhos) - Field	00094				.		
X	TEMP OF WATER SAMPLE (°F) Field	00011				57.	1	L
						.		
						.		

This form is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil...

IEPA/DLPC

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 (1–7) TRANS CODE A (8)

SITE INVENTORY NUMBER 1 1 9 1 1 5 0 0 0 1 (9–18)

MONITOR POINT NUMBER G 1 5 2 (19–22)

REGION S COUNTY MADISON

DATE COLLECTED 1 2 / 0 5 / 8 4 (23 M D Y)

AMOCO - MAIN PLANT

FACILITY NAME

IEPA LAB (x or Blank) 29 RP-3

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
*	CNDUCTVY FIELD MICROMHO	00094		1		1268.	1	L
	CNDUCTVY FIELD MICROMHO	00094		2		1288.		
	CNDUCTVY FIELD MICROMHO	00094		3		1303.		
	CNDUCTVY FIELD MICROMHO	00094		4		1308.		
	FIELD PH SU	00400		1		6.3	1	R
	FIELD PH SU	00400		2		6.4	1	R
	FIELD PH SU	00400		3		6.4	1	R
	FIELD PH SU	00400		4		6.4	1	R
	NO3-N DISS MG/L	00618			<	1.0	1	R
	T ORG C AS C MG/L	00680		1		15.	1	L
	T ORG C AS C MG/L	00680		2		12.	1	L
	T ORG C AS C MG/L	00680		3		11.	1	L
	T ORG C AS C MG/L	00680		4		12.	1	L
	SODIUM NA, DISS MG/L	00930				65.	1	L
	CHLORIDE CL, DISS MG/L	00941				12.	1	L
	SULFATE SO4 DISS MG/L	00946				478.	1	L
	FLUORIDE F, DISS MG/L	00950				0.8	1	R
	ARSENIC AS, DISS UG/L	01000				30.	1	L
	BARIUM BA, DISS UG/L	01005				34.	1	L
	CADMIUM CD, DISS UG/L	01025			<	9.	1	L
	CHROMIUM CR, DISS UG/L	01030				60.	2	L
	IRON FE, DISS UG/L	01046				21000.	4	L
	LEAD PB, DISS UG/L	01049			<	2.	1	L
	MANGANESE MN, DISS UG/L	01056				2700.	3	L
	SILVER AG, DISS UG/L	01075			<	20.	2	L
	SELENIUM SE, DISS UG/L	01145				5.	1	L
	ALPHA, TOTAL PC/L	01501			<	2.	1	L

IEPA/DLPC

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 (1–7) TRANS CODE A (8)

SITE INVENTORY NUMBER 1 1 9 1 1 5 0 0 0 1 (8–18)

MONITOR POINT NUMBER G 1 5 2 (19–22)

REGION S CO. MADISON

AMOCO - MAIN PLANT

FACILITY NAME

DATE COLLECTED 12 (23 M) / 05 (D) / 84 (YR)

IEPA LAB (x or Blank) (29) RP-3

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
*	ALPHA-T ERROR PC/L	01502						
	BETA, TOTAL PC/L	03501			<	3.	1	
	BETA-T ERROR PC/L	03502						
	RA-226 + RA-228 PC/L	11503				4.	1	
	RA-226 + RA-228 ERR PC/L	11504				1.	1	
	TOT COLI MFIMENDO/100 ML	31501			<	1.0	1	
	PHENOLS TOTAL UG/L	32730				10.	2	
	ENDRIN TOT UG/L	39390			<	0.2	1	
	TOXAPENE TOT UG/L	39400			<	5.	1	
	MTHXYCLR TOT UG/L	39480			<	100.	3	
	2, 4-D TOT UG/L	39730			<	100.	3	
	SILVEX TOT UG/L	39760			<	10.	2	
	LINDANE TOT UG/L	39782			<	4.	1	
	MERCURY HG, DISS UG/L	71890			<	0.2	1	
	TOX HALOGEN UG/L	78115		1		30.	2	
	TOX HALOGEN UG/L	78115		2		30.	2	
	TOX HALOGEN UG/L	78115		3	<	20.	2	
	TOX HALOGEN UG/L	78115		4	<	20.	2	

RECORD CODE L P C S M 0 1 — TRANS CODE A

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

REPORT DUE DATE 01/15/85 (M D Y)

FEDERAL ID NUMBER I L D 9 8 0 7 0 0 9 6

SITE INVENTORY NUMBER 1 1 9 1 1 5 0 0 0 1

MONITOR POINT NUMBER G 1 5 3 (see Instructions)

REGION S CO. MADISON

DATE COLLECTED 12/05/84 (M D Y)

AMOCO - MAIN PLANT

FACILITY NAME

IEPA LAB (x or Blank) (see Instructions) RP-4

FOR IEPA USE ONLY

COMPLAINT NO.

DATE RECEIVED 04/15/85 (M D Y)

SAMPLING PURPOSE CODE (see Instructions)

TIME CARD PROGRAM CODE & UNIT CODE

BACKGROUND SAMPLE (X) X

TIME COLLECTED (24 HR CLOCK) 1 4 3 (H M)

UNABLE TO COLLECT SAMPLE (see Instructions)

MONITOR POINT SAMPLED BY (see Instructions) A OTHER (SPECIFY)

SAMPLE FIELD FILTERED (INORGANICS (X)) X ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Thomas P. Kubon/RAS T P K — COLLECTED BY INITIALS — Amoco R&D DIVISION OR COMPANY

Thomas P. Kubon/RAS — TRANSPORTED BY — Amoco R&D DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO.

LAB NAME Amoco Research Center

LAB ID NO. 0 0 6 1

DATE RECEIVED 12-12-84

AND ADDRESS

TIME RECEIVED 09:00

SAMPLE TEMP OKAY Y (Y/N) SAMPLE PROPERLY PRESERVED Y (Y/N) DATE COMPLETED 2-19-85 FORWARD 2-28-85

LAB COMMENTS

R.F. Babcock/RAS

SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
* X	DEPTH TO WATER (ft. below LS)	72019				37.13	2	
X	ELEVATION OF GW SURFACE (ft. ref MSL)	71993				397.22	2	
	TOTAL WELL DEPTH (ft. below LS)	72008				49.42	2	
	ALKALINITY TOTAL mg/l as CaCO3 - Field	00431						
	REDOX POTENTIAL millivolt - Field	00090						
	pH (units) - Field	00400						
	SPEC CONDUCTANCE umhos - Field	00094						
X	TEMP OF WATER SAMPLE °F - Field	00011				57.	1	

IEPA/DLPC

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 TRANS CODE A

SITE INVENTORY NUMBER 1 1 9 1 1 5 0 0 0 1

MONITOR POINT NUMBER G 1 5

REGION S CO. MADISON

DATE COLLECTED 12/05/84

AMOCO - MAIN PLANT

FACILITY NAME

IEPA LAB (x or Blank) RP-4

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
*	CNDUCTVY FIELD MICROMHO	00094		1		549.	1	
	CNDUCTVY FIELD MICROMHO	00094		2		548.	1	
	CNDUCTVY FIELD MICROMHO	00094		3		553.	1	
	CNDUCTVY FIELD MICROMHO	00094		4		555.	1	
	FIELD PH SU	00400		1		6.0	1	
	FIELD PH SU	00400		2		5.9	1	
	FIELD PH SU	00400		3		5.9	1	
	FIELD PH SU	00400		4		6.0	1	
	NO3-N DISS MG/L	00618				19.	1	
	T ORG C AS C MG/L	00680		1		4.	1	
	T ORG C AS C MG/L	00680		2		4.	1	
	T ORG C AS C MG/L	00680		3		4.	1	
	T ORG C AS C MG/L	00680		4		4.	1	
	SODIUM NA, DISS MG/L	00930				20.	1	
	CHLORIDE CL, DISS MG/L	00941				3.	1	
	SULFATE SO4 DISS MG/L	00946				175.	1	
	FLUORIDE F, DISS MG/L	00950				0.5	1	
	ARSENIC AS, DISS UG/L	01000			<	4.0	1	
	BARIUM BA, DISS UG/L	01005				22.	1	
	CADMIUM CD, DISS UG/L	01025			<	9.	1	
	CHROMIUM CR, DISS UG/L	01030				40.	2	
	IRON FE, DISS UG/L	01046				21.	1	
	LEAD PB, DISS UG/L	01049				2.	1	
	MANGANESE MN, DISS UG/L	01056				770.	2	
	SILVER AG, DISS UG/L	01075			<	20.	2	
	SELENIUM SE, DISS UG/L	01145			<	4.	1	
	ALPHA, TOTAL PC/L	01501			<	2.	1	

IEPA/DLPC

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 (1–7) TRANS CODE A (8)

SITE INVENTORY NUMBER 1 1 9 1 1 5 0 0 0 1 (9–18)

MONITOR POINT NUMBER G 1 5 (19–22)

REGION S CO. MADISON

AMOCO - MAIN PLANT

FACILITY NAME

DATE COLLECTED 1 2 / 0 5 / 8 (23 M / D / Y)

IEPA LAB (x or Blank) 29 RP-4

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORT LEVEL
*	ALPHA-T ERROR PC/L	01502					
	BETA, TOTAL PC/L	03501			<	3.	1
	BETA-T ERROR PC/L	03502					
	RA-226 + RA-228 PC/L	11503				2.	1
	RA-226 + RA-228 ERR PC/L	11504				1.	1
	TOT COLI MFIMENDO/100 ML	31501				8.1	1
	PHENOLS TOTAL UG/L	32730			<	10.	2
	ENDRIN TOT UG/L	39390			<	0.2	1
	TOXAPENE TOT UG/L	39400			<	5.	1
	MTHXYCLR TOT UG/L	39480			<	100.	3
	2, 4-D TOT UG/L	39730			<	100.	3
	SILVEX TOT UG/L	39760			<	10.	2
	LINDANE TOT UG/L	39782			<	4.	1
	MERCURY HG, DISS UG/L	71890			<	0.2	1
	TOX HALOGEN UG/L	78115		1		40.	2
	TOX HALOGEN UG/L	78115		2		20.	2
	TOX HALOGEN UG/L	78115		3		40.	2
	TOX HALOGEN UG/L	78115		4		30.	2

IEPA/DLPC

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 TRANS CODE A

SITE INVENTORY NUMBER 1 1 9 1 1 5 0 0 0 1

MONITOR POINT NUMBER G 1 5

REGION S CO. MADISON

DATE COLLECTED 12/05/8

AMOCO - MAIN PLANT

FACILITY NAME

IEPA LAB (x or Blank) RP-5

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORT LEVEL
*	CNDUCTVY FIELD MICROMHO	00094		1		816.	1
	CNDUCTVY FIELD MICROMHO	00094		2		826.	1
	CNDUCTVY FIELD MICROMHO	00094		3		842.	1
	CNDUCTVY FIELD MICROMHO	00094		4		841.	1
	FIELD PH SU	00400		1		6.6	1
	FIELD PH SU	00400		2		6.7	1
	FIELD PH SU	00400		3		6.7	1
	FIELD PH SU	00400		4		6.8	1
	NO3-N DISS MG/L	00618			<	1.0	1
	T ORG C AS C MG/L	00680		1		5.	1
	T ORG C AS C MG/L	00680		2		5.	1
	T ORG C AS C MG/L	00680		3		6.	1
	T ORG C AS C MG/L	00680		4		5.	1
	SODIUM NA, DISS MG/L	00930				35.	1
	CHLORIDE CL, DISS MG/L	00941				16.	1
	SULFATE SO4 DISS MG/L	00946				210.	1
	FLUORIDE F, DISS MG/L	00950				0.3	1
	ARSENIC AS, DISS UG/L	01000			<	4.	1
	BARIUM BA, DISS UG/L	01005				120.	2
	CADMIUM CD, DISS UG/L	01025			<	9.	1
	CHROMIUM CR, DISS UG/L	01030				50.	2
	IRON FE, DISS UG/L	01046				14.	1
	LEAD PB, DISS UG/L	01049			<	2.	1
	MANGANESE MN, DISS UG/L	01056				1500.	3
	SILVER AG, DISS UG/L	01075			<	20.	2
	SELENIUM SE, DISS UG/L	01145			<	4.	1
	ALPHA, TOTAL PC/L	01501			<	2.	1

RECORD CODE L P C S M 0 1 — TRANS CODE A

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

REPORT DUE DATE 01/15/85 (M D Y)

FEDERAL ID NUMBER I L D 9 8 0 7 0 0 9 6

SITE INVENTORY NUMBER 1 1 9 1 1 5 0 0 0 1

MONITOR POINT NUMBER G 1 5 4 (see Instructions)

REGION S CO. MADISON

AMOCO - MAIN PLANT

FACILITY NAME

DATE COLLECTED 12/05/84 (M D Y)

IEPA LAB (x or Blank) (see Instructions) RP-5

FOR IEPA USE ONLY — COMPLAINT NO.

DATE RECEIVED 04/15/85 (M D Y)

SAMPLING PURPOSE CODE (see Instructions)

TIME CARD PROGRAM CODE & UNIT CODE

BACKGROUND SAMPLE (X) X — TIME COLLECTED (24 HR CLOCK) 1 6 0 (H M)

UNABLE TO COLLECT SAMPLE (see Instructions)

MONITOR POINT SAMPLED BY (see Instructions) A — OTHER (SPECIFY)

SAMPLE FIELD FILTERED (INORGANICS (X) X — ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Thomas P. Kubon / RAS — COLLECTED BY — INITIALS T P K — Amoco R&D — DIVISION OR COMPANY

Thomas P. Kubon / RAS — TRANSPORTED BY — Amoco R&D — DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO.

LAB NAME Amoco Research Center

LAB ID NO. 0 0 6 1

DATE RECEIVED 12-12-84

AND ADDRESS

TIME RECEIVED 09:00

SAMPLE TEMP OKAY Y (Y/N) — SAMPLE PROPERLY PRESERVED Y (Y/N) — DATE COMPLETED 2-19-85 — FORWARD 2-28-85

LAB COMMENTS

R.F. Babcock / RAS

SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 — TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

		FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL
*	X	DEPTH TO WATER (ft. below LS)	72019				36.54	2
	X	ELEVATION OF GW SURFACE (ft. ref MSL)	71993				395.88	2
		TOTAL WELL DEPTH (ft. below LS)	72008				50.63	2
		ALKALINITY TOTAL mg/l as CaCO3 Field	00431				.	
		REDOX POTENTIAL millivolt Field	00090				.	
		pH (units) Field	00400				.	
		SPEC CONDUCTANCE (umhos) Field	00094				.	
	X	TEMP OF WATER SAMPLE (°F) Field	00011				57.	1
							.	
							.	

This Agency is authorized to require this information under Illinois Revised Statutes, 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil ... This form has been approved by the Forms Management Center

IEPA/DLPC

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 TRANS CODE A

SITE INVENTORY NUMBER 1 1 9 1 1 5 0 0 0 1

MONITOR POINT NUMBER G 1 5

REGION S CO. MADISON

AMOCO - MAIN PLANT

FACILITY NAME

DATE COLLECTED 1 2 / 0 5 / 8

IEPA LAB (x or Blank) RP-5

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORT LEV
*	ALPHA-T ERROR PC/L	01502					
	BETA, TOTAL PC/L	03501			<	3.	1
	BETA-T ERROR PC/L	03502					
	RA-226 + RA-228 PC/L	11503			<	2.	1
	RA-226 + RA-228 ERR PC/L	11504					
	TOT COLI MFIMENDO/100 ML	31501				1.0	1
	PHENOLS TOTAL UG/L	32730				10.	2
	ENDRIN TOT UG/L	39390			<	0.2	1
	TOXAPENE TOT UG/L	39400			<	5.	1
	MTHXYCLR TOT UG/L	39480			<	100.	3
	2, 4-D TOT UG/L	39730			<	100.	3
	SILVEX TOT UG/L	39760			<	10.	2
	LINDANE TOT UG/L	39782			<	4.	1
	MERCURY HG, DISS UG/L	71890			<	0.2	1
	TOX HALOGEN UG/L	78115		1		60.	2
	TOX HALOGEN UG/L	78115		2		70.	2
	TOX HALOGEN UG/L	78115		3		20.	2
	TOX HALOGEN UG/L	78115		4		30.	2

RECORD CODE L P C S M 0 1 — TRANS CODE A

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

REPORT DUE DATE 01/15/85 (M D Y)

FEDERAL ID NUMBER I L D 9 8 0 7 0 0 9 6

SITE INVENTORY NUMBER 1 1 9 1 1 5 0 0 0 1

MONITOR POINT NUMBER G 1 5 5 (see Instructions)

REGION S CO. MADISON

DATE COLLECTED 12/06/84 (M D Y)

AMOCO - MAIN PLANT

FACILITY NAME

IEPA LAB (x or Blank) (see Instructions) RP-G

FOR IEPA USE ONLY

COMPLAINT NO.

DATE RECEIVED 04/05/85 (M D Y)

SAMPLING PURPOSE CODE (see Instructions)

TIME CARD PROGRAM CODE & UNIT CODE

BACKGROUND SAMPLE (X) X

TIME COLLECTED (24 HR CLOCK) 0 8 0 (H M)

UNABLE TO COLLECT SAMPLE (see Instructions)

MONITOR POINT SAMPLED BY (see Instructions) A OTHER (SPECIFY)

SAMPLE FIELD FILTERED (INORGANICS (X)) X ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Thomas P. Kubon / RAS — COLLECTED BY — T P K INITIALS — Amoco R&D DIVISION OR COMPANY

Thomas P. Kubon / RAS — TRANSPORTED BY — Amoco R&D DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO.

LAB NAME Amoco Research Center

LAB ID NO. 0 0 6 1

DATE RECEIVED 12-12-84

AND ADDRESS

TIME RECEIVED 09:00

SAMPLE TEMP OKAY Y (Y/N)

SAMPLE PROPERLY PRESERVED Y (Y/N)

DATE COMPLETED 2-19-85

FORWARD 2-28-85

LAB COMMENTS

R.F. Babcock / RAS

SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 — TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

		FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL
*	X	DEPTH TO WATER (ft. below LS)	72019				37.63	2
	X	ELEVATION OF GW SURFACE (ft. ref MSL)	71993				395.50	2
		TOTAL WELL DEPTH (ft. below LS)	72008				52.04	2
		ALKALINITY TOTAL (mg/l as CaCO3) - Field	00431					
		REDOX POTENTIAL (millivolt) - Field	00090					
		pH (units) - Field	00400					
		SPEC CONDUCTANCE (umhos) - Field	00094					
	X	TEMP OF WATER SAMPLE (°F) - Field	00011				59.	1

IEPA/DLPC

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 TRANS CODE A

SITE INVENTORY NUMBER 1 1 9 1 1 5 0 0 0 1

MONITOR POINT NUMBER G 1 5

REGION S CO. MADISON

DATE COLLECTED 12/06/8

AMOCO - MAIN PLANT

FACILITY NAME

IEPA LAB (x or Blank) RP-6

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORT LEVEL
*	CNDUCTVY FIELD MICROMHO	00094		1		941.	1
	CNDUCTVY FIELD MICROMHO	00094		2		950.	1
	CNDUCTVY FIELD MICROMHO	00094		3		954.	1
	CNDUCTVY FIELD MICROMHO	00094		4		966.	1
	FIELD PH SU	00400		1		6.3	1
	FIELD PH SU	00400		2		6.3	1
	FIELD PH SU	00400		3		6.3	1
	FIELD PH SU	00400		4		6.3	1
	NO3-N DISS MG/L	00618			<	1.0	1
	T ORG C AS C MG/L	00680		1		6.	1
	T ORG C AS C MG/L	00680		2		6.	1
	T ORG C AS C MG/L	00680		3		6.	1
	T ORG C AS C MG/L	00680		4		6.	1
	SODIUM NA, DISS MG/L	00930				37.	1
	CHLORIDE CL, DISS MG/L	00941				45.	1
	SULFATE SO4 DISS MG/L	00946				83.	1
	FLUORIDE F, DISS MG/L	00950			<	0.2	1
	ARSENIC AS, DISS UG/L	01000				34.	1
	BARIUM BA, DISS UG/L	01005				180.	2
	CADMIUM CD, DISS UG/L	01025			<	9.	1
	CHROMIUM CR, DISS UG/L	01030				50.	2
	IRON FE, DISS UG/L	01046				16000.	4
	LEAD PB, DISS UG/L	01049			<	2.	1
	MANGANESE MN, DISS UG/L	01056				1200.	3
	SILVER AG, DISS UG/L	01075			<	20.	2
	SELENIUM SE, DISS UG/L	01145			<	4.	1
	ALPHA, TOTAL PC/L	01501			<	2.	1

IEPA/DLPC

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 TRANS CODE A

SITE INVENTORY NUMBER 1 1 9 1 1 5 0 0 0 1

MONITOR POINT NUMBER G 1 5 5

REGION S OR MADISON

DATE COLLECTED 12 / 06 / 84 (M / D / Y)

AMOCO - MAIN PLANT

FACILITY NAME

IEPA LAB (x or Blank) RP-6

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
*	ALPHA-T ERROR PC/L	01502						
	BETA, TOTAL PC/L	03501			<	3.	1	L
	BETA-T ERROR PC/L	03502						
	RA-226 + RA-228 PC/L	11503			<	1.	1	L
	RA-226 + RA-228 ERR PC/L	11504						
	TOT COLI MFIMENDO/100 ML	31501			<	1.0	1	R
	PHENOLS TOTAL UG/L	32730			<	10.	2	L
	ENDRIN TOT UG/L	39390			<	0.2	1	R
	TOXAPENE TOT UG/L	39400			<	5.	1	L
	MTHXYCLR TOT UG/L	39480			<	100.	3	L
	2, 4-D TOT UG/L	39730			<	100.	3	L
	SILVEX TOT UG/L	39760			<	10.	2	L
	LINDANE TOT UG/L	39782			<	4.	1	L
	MERCURY HG, DISS UG/L	71890			<	0.2	1	R
	TOX HALOGEN UG/L	78115		1	<	20.	2	L
	TOX HALOGEN UG/L	78115		2	<	20.	2	L
	TOX HALOGEN UG/L	78115		3		30.	2	L
	TOX HALOGEN UG/L	78115		4	<	20.	2	L
	RECEIVED							
	APR 15 1985							
	IEPA-DLPC							

RECORD CODE L P C S M 0 1 | TRANS CODE A

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

REPORT DUE DATE 01/15/85

FEDERAL ID NUMBER I L D 9 8 0 7 0 0 9 6

SITE INVENTORY NUMBER 1 1 9 1 1 5 0 0 0 1

MONITOR POINT NUMBER G 1 5 6 (see Instructions)

REGION S CO. MADISON

DATE COLLECTED 12/06/84

AMOCO - MAIN PLANT

FACILITY NAME

IEPA LAB (x or Blank) (see Instructions) RP-7

FOR IEPA USE ONLY

COMPLAINT NO.

DATE RECEIVED 040585

SAMPLING PURPOSE CODE (see Instructions)

TIME CARD

PROGRAM CODE & UNIT CODE

BACKGROUND SAMPLE (X) X

TIME COLLECTED (24 HR CLOCK) 0930

UNABLE TO COLLECT SAMPLE (see Instructions)

MONITOR POINT SAMPLED BY (see Instructions) A OTHER (SPECIFY)

SAMPLE FIELD FILTERED - INORGANICS (X) X ORGANICS (X)

SAMPLE APPEARANCE

COLLECTOR COMMENTS

SPECIAL INSTRUCTIONS TO LAB

Thomas P. Kubon/RAS T P K — COLLECTED BY — INITIALS

Amoco R&D — DIVISION OR COMPANY

Thomas P. Kubon/RAS — TRANSPORTED BY

Amoco R&D — DIVISION OR COMPANY

LAB USE ONLY

LAB SAMPLE NO.

LAB NAME Amoco Research Center

LAB ID NO. 0061

DATE RECEIVED 12-12-84

AND ADDRESS

TIME RECEIVED 09:00

SAMPLE TEMP OKAY Y (Y/N)

SAMPLE PROPERLY PRESERVED Y (Y/N)

DATE COMPLETED 2-19-85

FORWARD 2-28-85

LAB COMMENTS

R.F. Babcock/RAS

SUPERVISOR SIGNATURE

RECORD CODE L P C S M 0 2 | TRANS CODE A (COLUMNS 9-29 FROM ABOVE)

	FIELD MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORTING LEVEL	
* X	DEPTH TO WATER (ft. below LS)	72019				39.42	2	
X	ELEVATION OF GW SURFACE (ft. ref MSL)	71993				396.00	2	
	TOTAL WELL DEPTH (ft. below LS)	72008				51.58	2	
	ALKALINITY TOTAL (mg/l as CaCO3) - Field	00431						
	REDOX POTENTIAL (millivolt) - Field	00090						
	pH (units) - Field	00400						
	SPEC CONDUCTANCE (umhos) - Field	00094						
X	TEMP OF WATER SAMPLE (°F) - Field	00011				59.	1	

This Agency is authorized to require this information under Illinois Revised Statutes, 1979 Chapter 111 1/2 Section 1004 and 1021. Disclosure of this information is required. Failure to do so may result in a civil penalty up to $25,000 for each day the failure continues, a fine up to $1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center

IEPA/DLPC

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 TRANS CODE A

SITE INVENTORY NUMBER 1 1 9 1 1 5 0 0 0 1

MONITOR POINT NUMBER G 1 5

REGION S COUNTY MADISON

DATE COLLECTED 1 2 / 0 6 / 8

AMOCO - MAIN PLANT

FACILITY NAME

IEPA LAB (x or Blank) RP-7

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORT LEVEL
*	CNDUCTVY FIELD MICROMHO	00094		1		888.	1
	CNDUCTVY FIELD MICROMHO	00094		2		904.	1
	CNDUCTVY FIELD MICROMHO	00094		3		910.	1
	CNDUCTVY FIELD MICROMHO	00094		4		936.	1
	FIELD PH SU	00400		1		6.3	1
	FIELD PH SU	00400		2		6.4	1
	FIELD PH SU	00400		3		6.4	1
	FIELD PH SU	00400		4		6.4	1
	NO3-N DISS MG/L	00618			<	1.0	1
	T ORG C AS C MG/L	00680		1		11.	1
	T ORG C AS C MG/L	00680		2		13.	1
	T ORG C AS C MG/L	00680		3		12.	1
	T ORG C AS C MG/L	00680		4		13.	1
	SODIUM NA, DISS MG/L	00930				32.	1
	CHLORIDE CL, DISS MG/L	00941				50.	1
	SULFATE SO4 DISS MG/L	00946				93.	1
	FLUORIDE F, DISS MG/L	00950			<	0.2	1
	ARSENIC AS, DISS UG/L	01000				53.	1
	BARIUM BA, DISS UG/L	01005				140.	2
	CADMIUM CD, DISS UG/L	01025			<	9.	1
	CHROMIUM CR, DISS UG/L	01030				50.	2
	IRON FE, DISS UG/L	01046				15000.	4
	LEAD PB, DISS UG/L	01049			<	2.	1
	MANGANESE MN, DISS UG/L	01056				340.	2
	SILVER AG, DISS UG/L	01075			<	20.	2
	SELENIUM SE, DISS UG/L	01145			<	4.	1
	ALPHA, TOTAL PC/L	01501			<	2.	1

IEPA/DLPC

CHEMICAL ANALYSIS FORM

RECORD CODE L P C S M 0 2 (1–7) TRANS CODE A (8)

SITE INVENTORY NUMBER 1 1 9 1 1 5 0 0 0 1 (8–18)

MONITOR POINT NUMBER G 1 5 (19–22)

REGION S OR MADISON

AMOCO - MAIN PLANT

FACILITY NAME

DATE COLLECTED 1 2 / 0 6 / 8 (23 M / D)

IEPA LAB (x or Blank) 29 RP-7

	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER			< OR >	VALUE	REPORT LEVEL
*	ALPHA-T ERROR PC/L	01502 (10–14)					
	BETA, TOTAL PC/L	03501				3.	1
	BETA-T ERROR PC/L	03502					
	RA-226 + RA-228 PC/L	11503				2.	1
	RA-226 + RA-228 ERR PC/L	11504				1.	1
	TOT COLI MFIMENDO/100 ML	31501			<	1.0	1
	PHENOLS TOTAL UG/L	32730				20.	2
	ENDRIN TOT UG/L	39390			<	0.2	1
	TOXAPENE TOT UG/L	39400			<	5.	1
	MTHXYCLR TOT UG/L	39480			<	100.	3
	2, 4-D TOT UG/L	39730			<	100.	3
	SILVEX TOT UG/L	39760			<	10.	2
	LINDANE TOT UG/L	39782			<	4.	1
	MERCURY HG, DISS UG/L	71890			<	0.2	1
	TOX HALOGEN UG/L	78115		1		140.	2
	TOX HALOGEN UG/L	78115		2		140.	2
	TOX HALOGEN UG/L	78115		3		110.	2
	TOX HALOGEN UG/L	78115		4		100.	2