

Water-Data Report 2011

04095090 BURNS DITCH AT PORTAGE, IN

Lake Michigan Basin

LOCATION.--Lat 41°37'20", long 87°10'33" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.36, T.37 N., R.7 W., Porter County, IN, Hydrologic Unit 04040001, on right bank at an industrial road bridge, 1,300 feet north of U.S. Highway 12, 0.7 mi south of the mouth, 1.2 mi west of the State Road 249 overpass over U.S. Highway 12, 2.4 mi east of County Line Road, 3.2 mi north of the intersection of Central Avenue and Willow Creek Road in Portage.

DRAINAGE AREA.--331 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--February 1995 to current year.

REVISED RECORDS.--WDR IN-01-1: 1998-2000 (M); WDR IN-05-1: 1996-2004 (Highest daily mean).

GAGE.--Water-stage recorder and Acoustic Doppler Velocity Meter. Datum of gage is 574.74 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges during water year: Oct. 1- Sept. 30. Records poor.

EXTREMES FOR CURRENT YEAR.--Maximum discharge e4,480 ft³/s, Jul. 2, gage height e4.53 ft; Maximum gage height, 6.98 ft, Dec. 12.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e257	e303	e642	e1,280	e377	e570	e515	e1,510	e1,930	e1,350	e486	e424
2	e355	e299	e552	e1,170	e489	e419	e507	e1,140	e1,470	e3,610	e473	e384
3	e384	e300	e495	e1,060	e477	e521	e461	e916	e1,230	e3,090	e473	e403
4	e384	e223	e403	e930	e474	e486	e429	e800	e1,050	e2,100	e433	e395
5	e384	e320	e465	e761	e426	e486	e400	e754	e904	e1,260	e424	e517
6	e390	e432	e399	e632	e412	e494	e384	e708	e910	e883	e416	e473
7	e377	e342	e438	e520	e401	e499	e411	e678	e895	e707	e410	e412
8	e385	e369	e462	e480	e392	e506	e501	e637	e738	e640	e467	e384
9	e359	e371	e520	e424	e419	e447	e589	e675	e855	e580	e540	e416
10	e383	e393	e449	e431	e444	e497	e597	e605	e1,420	e519	e590	e446
11	e342	e347	e456	e370	e414	e483	e551	e496	e1,980	e490	e490	e468
12	e370	e292	e385	e404	e426	e483	e544	e616	e1,850	e459	e476	e499
13	e333	e380	e659	e426	e431	e402	e541	e597	e1,580	e419	e449	e413
14	e349	e348	e540	e407	e435	e397	e482	e625	e1,390	e443	e625	e336
15	e276	e369	e494	e386	e441	e414	e540	e1,110	e1,220	e422	e632	e369
16	e268	e292	e489	e439	e439	e668	e557	e1,450	e1,180	e418	e494	e396
17	e243	e373	e549	e455	e540	e612	e581	e1,020	e1,110	e417	e432	e399
18	e235	e341	e491	e390	e537	e483	e495	e749	e943	e376	e433	e406
19	e281	e349	e461	e402	e413	e504	e673	e622	e849	e392	e415	e432
20	e267	e278	e433	e404	e411	e520	e1,450	e554	e789	e418	e445	e436
21	e294	e347	e420	e410	e561	e443	e1,700	e602	e731	e386	e427	e428
22	e363	e418	e361	e420	e566	e704	e1,690	e584	e751	e423	e479	e385
23	e342	e568	e392	e458	e518	e958	e1,840	e556	e667	e453	e471	e378
24	e352	e588	e412	e442	e497	e1,000	e1,620	e470	e629	e488	e429	e393
25	e514	e504	e430	e444	e455	e837	e1,360	e787	e538	e504	e467	e360
26	e538	e579	e369	e402	e466	e720	e1,700	e2,590	e512	e476	e446	e434
27	e363	e509	e467	e400	e469	e628	e2,420	e3,430	e486	e444	e417	e564
28	e318	e485	e477	e424	e481	e529	e2,750	e2,880	e508	e475	e442	e707
29	e327	e446	e465	e413	---	e500	e2,530	e2,750	e446	e900	e431	e628
30	e254	e581	e457	e383	---	e475	e1,960	e3,080	e450	e978	e427	e542
31	e254	---	e768	e383	---	e478	---	e2,670	---	e625	e431	---
Total	10,541	11,746	14,800	16,350	12,811	17,163	30,778	36,661	30,011	25,145	14,470	13,227
Mean	340	392	477	527	458	554	1,026	1,183	1,000	811	467	441
Max	538	588	768	1,280	566	1,000	2,750	3,430	1,980	3,610	632	707
Min	235	223	361	370	377	397	384	470	446	376	410	336

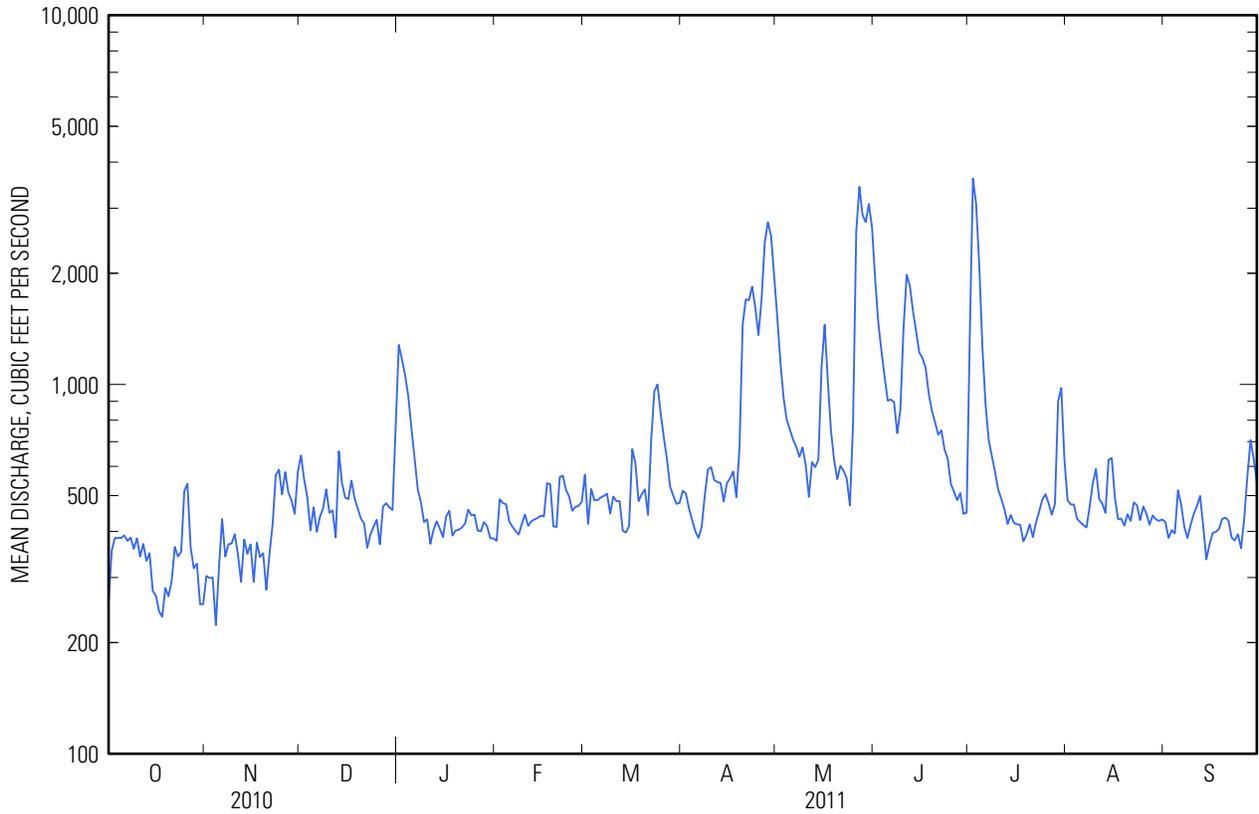
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	388	423	525	571	617	633	692	715	631	471	492	480
Max	976	708	1,266	1,262	1,305	1,045	1,423	1,539	1,187	1,041	1,608	2,606
(WY)	(2002)	(2010)	(2007)	(2005)	(2001)	(2007)	(2007)	(2002)	(2000)	(2003)	(2007)	(2008)
Min	107	144	179	231	255	321	358	288	237	214	205	147
(WY)	(1996)	(1999)	(1999)	(1996)	(1996)	(1996)	(1997)	(1999)	(1999)	(1997)	(1999)	(1997)

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SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1995 - 2011	
Annual total	185,981		233,703			
Annual mean	510		640		553	
Highest annual mean					860	2008
Lowest annual mean					288	1999
Highest daily mean	2,650	May 14	3,610	Jul 2	13,000	Sep 14, 2008
Lowest daily mean	223	Nov 4	223	Nov 4	83	Oct 16, 1995
Annual seven-day minimum	266	Oct 15	266	Oct 15	95	Oct 13, 1995
Maximum peak flow			4,480	Jul 2	16,000	Sep 14, 2008
Maximum peak stage			6.98	Dec 12	10.19	Mar 9, 1998
10 percent exceeds	819		1,150		947	
50 percent exceeds	422		473		422	
90 percent exceeds	290		362		236	



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WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 22, 2011 to September 30, 2011.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: March 22, 2011 to September 30, 2011.

SPECIFIC CONDUCTANCE: March 22, 2011 to September 30, 2011.

pH: March 22, 2011 to September 30, 2011.

DISSOLVED OXYGEN: March 22, 2011 to September 30, 2011.

TURBIDITY: March 22, 2011 to September 30, 2011.

INSTRUMENTATION.--A YSI Model 6920V2-2 continuous water-quality sonde is installed and reports water-quality data in 15-minute intervals. The YSI sonde is equipped with the follow probes: Temperature/Conductance (YSI 6560), pH (YSI 6561), Turbidity (YSI 6136), Dissolved Oxygen (YSI 6150 ROX), An ISCO 6712FR refrigerated autosampler is installed. The intake line is deployed near the end of the sonde tube.

OBJECTIVES.-- Automated samplers, water-quality multi-parameter sensors, and stream gage equipment were deployed at 30 of the Great Lakes National Monitoring Network sites. These sites are being monitored to: provide baseline information; provide support for measuring restoration progress; demonstrate the ability to reduce monitoring costs through the use of real-time sensors.

Water samples collected at the 30 tributary monitoring sites include suspended sediment; nutrients (incl. nitrogen, nitrite, nitrite + nitrate, total nitrogen, ortho-phosphorus, and total phosphorus; chloride, and bacteria. One sample per storm event is analyzed for major ions. At each site, monthly base flow samples are being collected, plus up to eight storms, with 6 samples submitted per storm (60 environmental samples per site). Samples will be used to develop statistical relations between continuously measured parameters and lab analyzed parameters. In-situ water-quality sensors deployed at each site measure turbidity, temperature, conductivity, dissolved oxygen, and pH every 15 minutes.

During this year, water-quality samples were also collected at Indiana Harbor Canal at East Chicago, IN (04092750) for the same project. These data can be obtained electronically at <http://in.water.usgs.gov>

REMARKS.--Temperature record is categorized as excellent from March 22 through April 28, May 13 to May 24, June 9 to July 28, August 12 to September 22, good from April 29 to May 12, May 25 to June 8, July 29 to August 11, and from September 23 to the end of the water year.

Specific Conductance in $\mu\text{S}/\text{cm}$ at 25°C record is categorized as poor; from April 29 to May 12 and May 25 to June 8, categorized as fair; from March 22 to April 28, categorized as good; from May 13 to May 24, June 9 to June 23, July 13 to July 29, and September 8 to September 22, categorized as excellent June 24 to July 12, July 30 to September 7, and September 23 to September 30.

pH record is categorized as excellent for the analysis period, except for May 25 to June 8 and August 12 to August 22, which are categorized as good.

Dissolved oxygen record is categorized as poor from April 14 to April 28, categorized as fair from June 9 to July 12, categorized as good April 29 to May 24, and July 20 to September 7, categorized as excellent March 22 to April 13, May 25 to June 8, July 13 to July 29 and September 8 to September 30.

Turbidity record is categorized as fair from March 22 through the end of the water year, due to the large number of spikes present in the data and variation during before/after cleaning.

Daily values were not estimated for partial days of data due to the constant variation in flow direction, backwater conditions and water chemistry due to the site's proximal location to Lake Michigan.

COOPERATION.--Great Lakes Restoration Initiative (GIRI).

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Daily mean values ranged from 7.1°C recorded March 27, 2011 to 27.0°C on July 20, 2011.

SPECIFIC CONDUCTANCE: Daily mean values ranged from $328 \mu\text{S}/\text{cm}$ on July 3, 2011 to $806 \mu\text{S}/\text{cm}$ on April 10, 2011.

pH: Daily median values ranged from 7.4 units occurring on July 2, July 3 and July 4, to 8.2, occurring daily from March 30 to April 7 and April 13.

DISSOLVED OXYGEN: Daily mean concentrations ranged from $4.6 \text{ mg}/\text{L}$ occurring on August 6, August 9, and August 10 to $11.4 \text{ mg}/\text{L}$ on April 21, 2011.

TURBIDITY: Daily median turbidity values ranged from 2.9 FNU occurring on August 6, 2011 to 120 FNU on July 2, 2011.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Instantaneous values ranged from 6.6°C on March 27 at 08:30 to 28.0°C on July 19 at 21:45 and July 20 at 20:15.

SPECIFIC CONDUCTANCE: Instantaneous values ranged from $310 \mu\text{S}/\text{cm}$ occurring on July 3 at 11:30 to $848 \mu\text{S}/\text{cm}$ on April 10 at 11:45.

pH: Instantaneous values ranged from 7.4 occurring on July 2 at 04:15, July 3 at 00:00, and July 4 at 00:00 to 8.4 occurring March 31, at 19:15.

DISSOLVED OXYGEN: Instantaneous values ranged from $2.9 \text{ mg}/\text{L}$ occurring on August 11 at 07:30 to $12.4 \text{ mg}/\text{L}$ recorded on March 31 at 19:00.

TURBIDITY: Instantaneous values ranged from 1.1 FNU occurring August 6 at 22:45 to 190 FNU occurring on July 2, at 09:15 and September 12 at 14:00.

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TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	9.8	8.8	9.4	15.6	14.5	15.1
2	---	---	---	---	---	---	10.6	8.8	9.7	15.5	14.6	14.9
3	---	---	---	---	---	---	11.8	9.2	10.2	14.6	13.7	14.1
4	---	---	---	---	---	---	12.5	11.4	11.9	14.6	13.2	14.0
5	---	---	---	---	---	---	12.6	10.6	11.6	14.5	13.5	14.1
6	---	---	---	---	---	---	12.0	10.8	11.3	16.0	14.1	15.0
7	---	---	---	---	---	---	11.4	9.9	10.6	16.1	15.5	15.8
8	---	---	---	---	---	---	11.5	10.8	11.1	17.4	15.0	16.0
9	---	---	---	---	---	---	13.7	10.8	11.9	18.1	16.4	17.3
10	---	---	---	---	---	---	17.3	13.2	15.0	19.6	17.1	18.3
11	---	---	---	---	---	---	17.9	16.4	17.0	21.9	18.8	20.2
12	---	---	---	---	---	---	16.7	14.9	15.5	22.2	20.5	21.4
13	---	---	---	---	---	---	15.2	14.0	14.7	21.7	19.8	20.8
14	---	---	---	---	---	---	14.8	13.5	14.2	20.1	14.2	18.1
15	---	---	---	---	---	---	14.6	13.4	14.0	16.3	12.4	13.9
16	---	---	---	---	---	---	13.6	11.9	13.1	13.8	11.8	12.7
17	---	---	---	---	---	---	12.5	10.9	11.8	15.0	13.2	14.1
18	---	---	---	---	---	---	12.5	11.6	12.1	15.7	14.5	15.1
19	---	---	---	---	---	---	11.7	10.2	11.0	16.4	14.3	15.2
20	---	---	---	---	---	---	10.2	8.5	8.9	18.7	15.7	17.1
21	---	---	---	---	---	---	9.9	7.8	8.8	18.8	17.4	18.2
22	---	---	---	---	---	---	10.0	9.1	9.5	20.5	18.0	19.2
23	---	---	---	9.7	8.8	9.3	12.4	9.4	10.7	21.1	19.2	20.2
24	---	---	---	8.8	7.9	8.3	13.8	12.3	13.0	20.6	19.2	19.9
25	---	---	---	8.4	7.5	8.0	13.8	13.1	13.3	20.0	17.1	18.7
26	---	---	---	7.8	7.1	7.5	13.6	12.8	13.2	17.2	14.2	15.3
27	---	---	---	7.6	6.6	7.1	---	---	---	14.2	13.3	13.7
28	---	---	---	8.3	6.8	7.5	---	---	---	14.6	13.8	14.2
29	---	---	---	9.2	7.4	8.3	13.0	10.6	11.6	15.0	14.4	14.7
30	---	---	---	10.2	7.9	9.0	14.6	12.0	13.0	18.8	15.0	16.5
31	---	---	---	10.2	8.5	9.3	---	---	---	21.4	18.7	19.9
Month	---	---	---	---	---	---	---	---	---	22.2	11.8	16.6

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TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	22.1	20.7	21.4	24.7	20.5	22.2	26.6	24.6	25.6	26.6	25.7	26.1
2	22.0	20.7	21.1	22.1	20.1	21.2	26.7	25.3	25.9	27.0	25.4	26.1
3	21.8	20.0	20.9	23.1	21.8	22.5	26.3	24.9	25.7	27.2	25.8	26.8
4	23.4	21.5	22.5	24.1	22.6	23.3	25.2	23.7	24.4	26.0	24.7	25.1
5	23.3	22.4	22.8	24.3	22.9	23.7	26.4	24.1	25.3	24.8	22.7	23.4
6	23.8	22.3	22.9	24.9	23.6	24.2	26.4	25.5	25.8	22.7	21.8	22.2
7	25.5	23.4	24.5	24.6	23.4	24.1	25.9	24.5	25.1	22.5	21.5	22.1
8	---	---	---	24.5	22.1	23.5	25.7	24.8	25.2	22.3	21.0	21.6
9	25.7	20.9	23.6	25.1	22.8	24.0	26.2	24.7	25.4	22.4	20.2	21.6
10	20.9	19.9	20.4	25.6	23.5	24.5	26.8	25.2	26.0	22.7	21.8	22.3
11	20.4	18.6	19.2	25.3	23.6	24.8	26.7	25.4	26.0	23.6	21.9	22.7
12	18.9	18.0	18.5	24.9	23.8	24.4	26.5	25.2	25.9	24.4	22.9	23.5
13	20.0	18.0	19.0	24.4	22.8	23.6	26.6	25.4	26.0	24.1	23.4	23.7
14	20.7	19.0	19.8	23.7	22.1	22.9	25.5	23.2	23.9	23.6	20.6	22.6
15	20.6	19.6	19.9	24.7	23.0	23.7	24.5	22.7	23.4	20.7	19.6	19.9
16	20.6	19.1	19.9	24.6	23.3	23.8	25.3	23.5	24.4	19.9	19.2	19.5
17	22.6	20.5	21.3	26.0	23.2	24.3	25.4	23.5	24.4	20.2	18.4	19.4
18	23.0	22.0	22.5	26.5	24.7	25.6	25.6	23.9	24.7	19.9	19.1	19.6
19	23.7	22.8	23.2	28.0	25.4	26.3	26.3	24.0	25.3	20.6	19.6	20.2
20	23.6	23.0	23.4	28.0	26.0	27.0	26.0	24.3	25.4	20.7	19.4	20.1
21	24.9	22.8	23.8	27.3	25.0	26.4	25.4	24.3	24.8	21.6	20.0	20.9
22	24.6	23.4	24.2	27.5	25.9	26.7	25.7	24.3	24.9	21.3	20.5	20.9
23	---	---	---	26.7	25.3	25.8	25.3	24.2	24.6	21.0	17.5	20.3
24	21.8	21.2	21.5	26.2	24.6	25.2	26.4	23.8	24.9	20.7	19.9	20.3
25	22.6	20.8	21.6	25.8	24.5	25.1	26.0	24.8	25.5	20.3	19.6	19.8
26	24.0	21.4	22.6	26.4	24.6	25.4	26.1	24.6	25.5	20.1	16.7	19.4
27	23.7	22.1	22.9	26.0	24.2	25.0	25.8	24.4	25.3	19.4	17.3	18.8
28	24.4	22.0	22.9	25.4	24.1	24.8	25.2	24.2	24.7	---	---	---
29	24.9	22.8	23.7	---	---	---	25.4	24.3	24.9	18.1	16.9	17.5
30	25.3	22.7	24.1	25.5	23.4	24.4	25.3	24.2	24.8	17.9	16.3	17.0
31	---	---	---	26.3	24.3	25.2	26.0	24.4	25.2	---	---	---
Month	---	---	---	---	---	---	26.8	22.7	25.1	---	---	---

04095090 BURNS DITCH AT PORTAGE, IN—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

04095090 BURNS DITCH AT PORTAGE, IN—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	777	737	760	560	533	545
2	---	---	---	---	---	---	789	734	769	590	560	575
3	---	---	---	---	---	---	791	713	759	621	590	605
4	---	---	---	---	---	---	769	701	739	640	621	629
5	---	---	---	---	---	---	772	698	736	665	631	648
6	---	---	---	---	---	---	748	701	725	673	653	662
7	---	---	---	---	---	---	744	690	718	667	651	661
8	---	---	---	---	---	---	794	654	752	686	658	671
9	---	---	---	---	---	---	814	742	787	686	647	668
10	---	---	---	---	---	---	848	754	806	695	655	674
11	---	---	---	---	---	---	824	748	793	736	675	709
12	---	---	---	---	---	---	822	755	800	736	604	706
13	---	---	---	---	---	---	816	716	789	730	609	691
14	---	---	---	---	---	---	813	737	776	718	435	681
15	---	---	---	---	---	---	796	752	777	705	580	632
16	---	---	---	---	---	---	810	684	768	588	524	553
17	---	---	---	---	---	---	806	729	773	623	559	594
18	---	---	---	---	---	---	791	713	759	672	623	644
19	---	---	---	---	---	---	797	705	760	673	638	659
20	---	---	---	---	---	---	787	675	716	688	644	662
21	---	---	---	---	---	---	701	676	685	688	638	666
22	---	---	---	---	---	---	678	625	647	686	642	666
23	---	---	---	789	685	753	626	605	615	702	644	672
24	---	---	---	798	732	772	619	608	613	730	658	693
25	---	---	---	739	700	717	634	617	622	762	603	692
26	---	---	---	719	701	710	634	578	612	603	351	520
27	---	---	---	732	712	722	---	---	---	513	368	420
28	---	---	---	742	720	732	---	---	---	442	384	411
29	---	---	---	751	717	734	503	488	494	444	376	402
30	---	---	---	765	722	744	533	502	515	378	362	369
31	---	---	---	776	717	752	---	---	---	420	369	390
Month	---	---	---	---	---	---	---	---	---	762	351	605

04095090 BURNS DITCH AT PORTAGE, IN—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	459	418	437	679	363	558	592	556	575	593	553	574
2	516	458	489	416	312	354	608	557	588	593	548	576
3	542	512	526	363	310	328	627	583	604	602	553	579
4	566	537	552	467	363	419	613	581	592	663	554	605
5	575	564	570	507	467	491	624	591	608	662	580	628
6	593	575	585	556	506	527	631	595	611	637	583	614
7	609	588	596	578	555	567	619	574	599	616	583	596
8	---	---	---	593	569	580	632	586	606	618	582	599
9	624	428	587	601	583	591	628	599	612	621	575	602
10	591	535	570	612	591	598	618	581	604	654	610	630
11	535	407	448	618	588	603	606	584	598	674	618	656
12	425	407	414	---	---	---	617	580	594	652	618	635
13	440	421	431	634	609	622	608	472	584	636	597	616
14	461	433	445	637	610	621	645	529	602	641	595	620
15	488	461	475	649	609	630	622	557	586	651	584	617
16	523	487	506	660	595	625	615	567	594	643	618	633
17	534	518	527	667	603	629	642	581	613	644	596	617
18	550	527	539	681	611	634	599	562	580	624	513	605
19	577	550	561	666	588	619	632	573	602	639	550	603
20	594	569	580	664	612	630	601	500	572	644	605	632
21	604	588	595	648	601	624	640	548	589	625	587	606
22	612	578	605	658	608	633	626	558	594	634	596	611
23	---	---	---	665	602	637	650	558	601	621	453	604
24	660	610	644	662	614	634	644	569	608	621	599	612
25	668	647	656	663	614	639	626	555	593	632	587	612
26	665	632	649	670	620	645	608	560	585	653	316	611
27	671	621	648	688	630	661	596	548	567	638	498	614
28	678	623	648	701	632	664	582	541	565	---	---	---
29	671	624	648	---	---	---	597	565	583	635	599	621
30	670	498	634	562	488	524	592	558	573	656	568	623
31	---	---	---	568	540	555	580	551	571	---	---	---
Month	---	---	---	---	---	---	650	472	592	---	---	---

04095090 BURNS DITCH AT PORTAGE, IN—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

04095090 BURNS DITCH AT PORTAGE, IN—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	---	---	---	---	---	---	8.3	8.1	8.2	7.8	7.8	7.8
2	---	---	---	---	---	---	8.3	8.1	8.2	7.8	7.8	7.8
3	---	---	---	---	---	---	8.3	8.1	8.2	7.9	7.8	7.8
4	---	---	---	---	---	---	8.2	8.1	8.2	8.0	7.8	7.9
5	---	---	---	---	---	---	8.3	8.1	8.2	8.0	7.9	7.9
6	---	---	---	---	---	---	8.3	8.1	8.2	8.0	7.9	7.9
7	---	---	---	---	---	---	8.3	8.1	8.2	8.0	7.9	7.9
8	---	---	---	---	---	---	8.2	8.1	8.1	8.0	7.9	7.9
9	---	---	---	---	---	---	8.2	8.0	8.1	8.0	7.9	8.0
10	---	---	---	---	---	---	8.2	8.0	8.1	8.1	7.9	8.0
11	---	---	---	---	---	---	8.2	8.0	8.1	8.1	7.9	8.0
12	---	---	---	---	---	---	8.3	8.0	8.1	8.1	7.8	7.9
13	---	---	---	---	---	---	8.3	8.1	8.2	8.1	7.9	8.0
14	---	---	---	---	---	---	8.2	8.0	8.1	8.1	7.9	8.0
15	---	---	---	---	---	---	8.1	8.0	8.1	8.0	7.8	7.9
16	---	---	---	---	---	---	8.1	8.0	8.0	7.9	7.8	7.8
17	---	---	---	---	---	---	8.2	8.0	8.1	8.0	7.9	7.9
18	---	---	---	---	---	---	8.1	8.0	8.1	8.1	7.9	7.9
19	---	---	---	---	---	---	8.1	8.0	8.0	8.1	8.0	8.0
20	---	---	---	---	---	---	8.0	7.9	8.0	8.2	8.0	8.1
21	---	---	---	---	---	---	8.0	7.9	7.9	8.1	8.0	8.1
22	---	---	---	---	---	---	7.9	7.8	7.9	8.1	8.0	8.0
23	---	---	---	8.1	8.0	8.0	7.8	7.8	7.8	8.2	8.0	8.0
24	---	---	---	8.1	8.1	8.1	7.8	7.8	7.8	8.2	8.0	8.1
25	---	---	---	8.1	8.0	8.1	7.8	7.8	7.8	8.2	7.9	8.1
26	---	---	---	8.2	8.0	8.1	7.8	7.8	7.8	7.9	7.7	7.8
27	---	---	---	8.2	8.1	8.1	---	---	---	7.8	7.7	7.7
28	---	---	---	8.2	8.1	8.1	---	---	---	7.7	7.6	7.7
29	---	---	---	8.2	8.1	8.1	7.8	7.7	7.7	7.7	7.6	7.6
30	---	---	---	8.3	8.1	8.2	7.8	7.7	7.8	7.6	7.6	7.6
31	---	---	---	8.4	8.1	8.2	---	---	---	7.6	7.6	7.6
Max	---	---	---	---	---	---	---	---	---	8.2	8.0	8.1
Min	---	---	---	---	---	---	---	---	---	7.6	7.6	7.6

04095090 BURNS DITCH AT PORTAGE, IN—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	7.6	7.6	7.6	8.1	7.5	7.8	8.1	7.8	8.0	8.2	7.8	8.0
2	7.7	7.6	7.6	7.5	7.4	7.4	8.2	7.8	8.0	8.2	8.0	8.1
3	7.8	7.7	7.7	7.4	7.4	7.4	8.1	7.9	8.0	8.1	7.9	8.0
4	7.8	7.7	7.7	7.5	7.4	7.4	8.1	7.8	7.9	8.1	7.9	8.0
5	7.8	7.7	7.7	7.6	7.5	7.5	8.0	7.8	7.9	8.0	7.9	8.0
6	7.8	7.7	7.8	7.7	7.6	7.6	8.1	7.7	7.9	8.1	7.9	8.0
7	7.8	7.8	7.8	7.7	7.6	7.7	8.2	7.9	8.1	8.1	7.8	8.0
8	---	---	---	7.8	7.6	7.7	8.2	8.0	8.1	8.1	8.0	8.0
9	7.8	7.6	7.7	7.9	7.7	7.7	8.2	7.9	8.0	8.0	7.9	8.0
10	7.7	7.6	7.7	7.9	7.7	7.8	8.2	8.0	8.1	8.0	7.9	7.9
11	7.7	7.5	7.5	7.9	7.8	7.8	8.1	8.0	8.0	8.0	7.8	7.9
12	7.5	7.5	7.5	8.1	7.8	7.9	8.1	7.9	8.0	8.0	7.8	7.9
13	7.6	7.5	7.5	8.1	7.9	8.0	8.1	7.9	8.0	8.0	7.9	7.9
14	7.6	7.5	7.5	8.1	7.9	8.0	7.9	7.8	7.9	8.0	7.8	7.9
15	7.6	7.5	7.6	8.1	7.8	7.9	7.9	7.8	7.8	8.0	7.9	7.9
16	7.6	7.5	7.6	8.0	7.8	7.9	8.0	7.8	7.9	7.9	7.8	7.9
17	7.6	7.5	7.6	8.0	7.8	7.9	8.1	7.8	7.9	8.0	7.8	7.9
18	7.6	7.5	7.6	8.0	7.8	7.9	8.0	7.8	7.9	7.9	7.8	7.9
19	7.6	7.5	7.6	8.0	7.8	7.9	8.0	7.8	7.8	7.9	7.8	7.9
20	7.6	7.5	7.6	8.1	7.8	7.9	7.9	7.8	7.8	7.9	7.8	7.8
21	7.8	7.5	7.6	8.1	7.9	8.0	8.0	7.8	7.8	7.9	7.8	7.8
22	7.8	7.6	7.7	7.9	7.8	7.8	8.0	7.7	7.8	8.0	7.8	7.8
23	---	---	---	7.9	7.8	7.8	8.0	7.8	7.9	8.1	7.9	8.0
24	7.8	7.7	7.8	7.8	7.7	7.8	8.0	7.8	7.9	8.0	7.9	8.0
25	7.9	7.7	7.8	7.8	7.7	7.7	8.1	7.8	7.9	8.0	7.9	8.0
26	7.9	7.7	7.8	7.9	7.7	7.8	8.1	7.9	8.0	8.1	7.9	7.9
27	8.0	7.8	7.8	8.0	7.7	7.8	8.1	8.0	8.0	7.9	7.8	7.8
28	8.0	7.8	7.9	8.0	7.8	7.8	8.2	8.0	8.1	---	---	---
29	8.0	7.7	7.8	---	---	---	8.1	8.0	8.0	7.8	7.8	7.8
30	8.1	7.8	7.9	7.8	7.6	7.7	8.0	7.9	8.0	7.9	7.8	7.8
31	---	---	---	8.0	7.6	7.8	8.0	7.9	8.0	---	---	---
Max	---	---	---	---	---	---	8.2	8.0	8.1	---	---	---
Min	---	---	---	---	---	---	7.9	7.7	7.8	---	---	---

04095090 BURNS DITCH AT PORTAGE, IN—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

04095090 BURNS DITCH AT PORTAGE, IN—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	11.4	10.0	10.6	9.1	8.6	8.8
2	---	---	---	---	---	---	12.3	9.9	10.9	9.0	8.3	8.6
3	---	---	---	---	---	---	11.5	10.1	10.7	9.3	8.7	9.0
4	---	---	---	---	---	---	10.4	9.2	9.8	10.2	8.9	9.5
5	---	---	---	---	---	---	11.3	8.8	9.9	10.2	9.2	9.6
6	---	---	---	---	---	---	11.3	9.2	10.1	9.7	8.5	9.2
7	---	---	---	---	---	---	11.9	9.7	10.6	9.1	8.4	8.7
8	---	---	---	---	---	---	10.2	9.2	9.6	10.2	8.1	9.1
9	---	---	---	---	---	---	11.1	8.9	9.8	10.0	8.5	9.1
10	---	---	---	---	---	---	10.4	8.6	9.4	10.0	8.1	8.9
11	---	---	---	---	---	---	9.8	7.5	8.5	9.8	7.9	8.8
12	---	---	---	---	---	---	10.5	7.9	9.0	8.9	7.0	7.9
13	---	---	---	---	---	---	11.0	8.2	9.5	8.6	7.3	7.9
14	---	---	---	---	---	---	10.8	8.8	9.7	9.3	7.1	7.5
15	---	---	---	---	---	---	9.5	8.5	8.9	9.0	8.0	8.6
16	---	---	---	---	---	---	9.2	8.1	8.7	9.7	8.9	9.3
17	---	---	---	---	---	---	11.1	8.9	9.8	9.4	8.8	9.2
18	---	---	---	---	---	---	10.7	9.2	9.9	9.3	8.5	8.9
19	---	---	---	---	---	---	10.4	9.9	10.1	9.9	8.8	9.1
20	---	---	---	---	---	---	11.3	10.4	10.8	9.6	8.5	9.0
21	---	---	---	---	---	---	11.6	11.2	11.4	9.2	8.0	8.4
22	---	---	---	---	---	---	11.3	10.9	11.1	9.3	7.4	8.3
23	---	---	---	10.6	9.6	10.0	11.0	10.5	10.8	9.0	7.2	8.0
24	---	---	---	11.2	10.2	10.6	10.6	10.1	10.3	9.6	7.6	8.5
25	---	---	---	11.4	10.4	10.8	10.2	9.8	9.9	8.4	7.3	7.8
26	---	---	---	11.8	10.5	11.0	10.1	9.7	9.9	8.0	7.2	7.6
27	---	---	---	12.1	10.6	11.2	---	---	---	8.0	7.7	7.9
28	---	---	---	12.1	10.6	11.3	---	---	---	7.9	7.5	7.7
29	---	---	---	12.0	10.5	11.1	9.4	9.1	9.2	7.5	7.4	7.4
30	---	---	---	12.1	10.3	11.1	9.3	9.0	9.1	7.4	6.9	7.2
31	---	---	---	12.4	10.2	11.0	---	---	---	6.9	6.3	6.6
Month	---	---	---	---	---	---	---	---	---	10.2	6.3	8.5

04095090 BURNS DITCH AT PORTAGE, IN—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	6.3	5.8	6.1	8.3	6.1	6.7	8.7	4.5	7.0	8.2	6.1	7.1
2	6.7	5.9	6.2	6.3	5.9	6.1	8.9	4.9	7.0	8.6	6.6	7.5
3	6.9	6.4	6.6	6.1	5.9	6.0	8.0	5.2	6.4	7.3	6.1	6.7
4	6.7	6.2	6.5	6.4	5.8	6.1	7.0	3.5	5.3	7.2	5.9	6.5
5	6.8	6.0	6.3	6.9	6.0	6.4	6.2	4.1	5.2	6.9	5.5	6.2
6	7.0	6.0	6.4	7.0	6.0	6.5	6.3	3.1	4.6	7.7	6.1	6.9
7	7.2	5.9	6.5	7.0	5.7	6.4	7.6	3.6	5.8	7.9	6.3	7.1
8	---	---	---	7.8	6.0	6.8	6.6	3.9	5.3	7.7	6.7	7.1
9	6.9	5.6	6.0	7.9	6.2	7.0	6.4	3.3	4.6	7.6	6.3	6.9
10	6.9	5.8	6.4	8.2	6.3	7.1	6.0	3.4	4.6	7.4	6.1	6.7
11	6.6	6.3	6.4	7.4	6.3	6.7	7.7	2.9	5.3	7.3	6.0	6.6
12	6.4	6.2	6.3	---	---	---	8.2	5.9	7.0	8.1	5.8	6.9
13	6.6	6.2	6.3	9.4	7.1	8.2	8.0	6.2	6.8	7.8	5.9	6.9
14	6.5	6.0	6.3	8.9	7.0	8.0	6.7	6.0	6.2	7.2	6.0	6.5
15	6.5	6.0	6.2	8.5	6.3	7.3	7.5	5.7	6.5	7.7	6.6	7.2
16	6.4	5.9	6.2	7.9	6.2	7.0	7.9	6.2	6.9	7.6	6.3	7.0
17	6.3	5.9	6.1	8.4	6.1	7.2	8.4	6.4	7.1	8.3	6.2	7.5
18	6.1	5.6	5.9	8.6	6.3	7.3	8.0	6.4	6.9	7.6	6.7	7.2
19	6.1	5.4	5.7	8.6	6.1	7.3	7.3	5.8	6.5	7.3	6.2	6.9
20	5.9	5.2	5.5	8.9	6.1	7.4	6.7	5.7	6.1	8.2	6.5	7.1
21	6.6	5.3	5.8	8.8	6.7	7.7	7.2	5.1	6.3	7.9	6.4	7.1
22	6.3	5.3	5.8	7.1	5.6	6.4	7.1	5.1	6.0	7.8	6.5	7.2
23	---	---	---	7.1	5.7	6.3	7.2	4.4	6.2	8.4	6.8	7.4
24	7.0	6.1	6.5	6.1	5.2	5.7	7.7	6.1	6.7	7.7	6.9	7.3
25	7.4	6.2	6.7	6.8	5.0	5.8	7.5	5.8	6.6	7.7	7.0	7.3
26	7.6	6.2	6.8	7.2	5.4	6.3	7.5	5.8	6.7	8.5	6.8	7.3
27	8.2	6.2	7.1	8.2	5.8	6.9	7.7	6.0	6.8	7.4	6.8	7.1
28	9.0	6.5	7.5	7.5	5.9	6.7	7.9	6.1	6.9	---	---	---
29	9.2	6.4	7.4	---	---	---	7.5	6.3	6.9	8.0	7.3	7.5
30	9.5	6.6	7.9	7.0	4.4	6.0	7.6	6.1	6.8	7.7	7.2	7.5
31	---	---	---	7.3	4.6	6.3	8.2	6.5	7.1	---	---	---
Month	---	---	---	---	---	---	8.9	2.9	6.3	---	---	---

04095090 BURNS DITCH AT PORTAGE, IN—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

04095090 BURNS DITCH AT PORTAGE, IN—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	---	---	---	---	---	---	15	10	11	36	27	31
2	---	---	---	---	---	---	22	9.4	11	29	20	25
3	---	---	---	---	---	---	42	9.3	12	27	17	20
4	---	---	---	---	---	---	47	9.9	13	22	14	17
5	---	---	---	---	---	---	32	9.4	13	30	13	16
6	---	---	---	---	---	---	32	10	12	17	12	14
7	---	---	---	---	---	---	16	9.4	11	22	11	13
8	---	---	---	---	---	---	16	11	13	22	11	14
9	---	---	---	---	---	---	16	12	13	31	11	13
10	---	---	---	---	---	---	28	12	15	21	11	14
11	---	---	---	---	---	---	33	12	15	32	10	13
12	---	---	---	---	---	---	19	13	16	47	11	20
13	---	---	---	---	---	---	17	12	14	38	10	14
14	---	---	---	---	---	---	15	11	12	38	8.2	14
15	---	---	---	---	---	---	18	11	12	42	12	30
16	---	---	---	---	---	---	38	11	13	48	28	39
17	---	---	---	---	---	---	19	9.0	11	33	16	23
18	---	---	---	---	---	---	17	9.5	11	19	14	16
19	---	---	---	---	---	---	54	11	14	19	12	15
20	---	---	---	---	---	---	64	26	48	49	11	14
21	---	---	---	---	---	---	59	44	51	41	11	14
22	---	---	---	---	---	---	64	45	52	23	10	14
23	---	---	---	46	17	22	55	44	48	27	11	16
24	---	---	---	33	20	24	48	33	38	27	11	15
25	---	---	---	37	26	30	39	28	33	71	12	19
26	---	---	---	28	20	24	51	29	37	110	40	89
27	---	---	---	23	16	19	---	---	---	100	77	92
28	---	---	---	18	13	15	---	---	---	81	43	62
29	---	---	---	43	12	14	62	42	51	85	45	70
30	---	---	---	18	9.7	12	45	34	39	91	70	81
31	---	---	---	15	9.8	12	---	---	---	100	46	56
Max	---	---	---	---	---	---	---	---	---	110	77	92
Min	---	---	---	---	---	---	---	---	---	17	8.2	13

04095090 BURNS DITCH AT PORTAGE, IN—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	50	33	39	160	16	41	17	2.2	6.0	18	4.4	5.8
2	39	22	30	190	93	120	33	2.3	5.4	---	---	---
3	33	15	24	98	44	76	18	2.1	5.9	---	---	---
4	26	13	19	44	22	32	13	1.2	3.9	---	---	---
5	26	13	16	43	15	21	8.1	1.3	3.6	---	---	---
6	26	13	17	36	12	16	5.6	1.1	2.9	---	---	---
7	25	11	15	27	11	13	15	2.2	4.4	---	---	---
8	---	---	---	18	11	13	15	1.8	4.7	66	5.5	6.5
9	52	12	23	22	9.1	12	8.8	1.9	4.3	180	5.2	6.7
10	48	17	31	15	9.0	11	6.4	2.0	3.5	61	4.3	6.4
11	74	37	59	44	8.8	15	8.7	1.6	4.3	11	5.0	7.1
12	53	35	42	---	---	---	9.3	6.4	7.5	190	5.4	6.8
13	39	29	34	14	6.4	8.7	18	6.0	7.2	90	5.1	6.5
14	60	23	30	9.7	6.7	8.5	19	7.5	12	12	5.3	7.1
15	41	20	24	13	7.7	9.3	31	11	18	14	5.9	7.3
16	30	18	22	22	7.5	11	26	7.3	9.8	23	5.2	7.0
17	27	16	21	20	11	15	13	6.7	8.0	100	5.1	7.8
18	30	15	18	32	9.0	11	16	6.8	8.8	74	5.0	7.0
19	23	12	16	12	7.2	8.3	31	6.0	7.2	44	5.2	7.1
20	26	12	16	17	6.6	7.8	33	5.8	7.1	68	5.6	8.1
21	29	12	16	34	6.3	7.8	13	5.5	7.8	11	5.6	6.9
22	38	12	16	170	8.0	28	8.5	3.7	6.3	13	5.4	6.7
23	---	---	---	23	8.1	15	---	---	---	16	4.8	6.5
24	19	11	14	51	11	15	---	---	---	14	4.7	6.1
25	46	9.6	13	---	---	---	---	---	---	15	4.2	5.7
26	28	9.8	13	---	---	---	---	---	---	26	2.6	6.8
27	22	9.5	12	---	---	---	---	---	---	12	5.6	8.8
28	39	8.9	11	---	---	---	---	---	---	---	---	---
29	24	8.9	12	---	---	---	---	---	---	40	12	15
30	83	9.8	15	74	9.7	26	38	4.8	6.8	19	9.0	12
31	---	---	---	17	3.5	8.7	13	4.8	6.3	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

04095090 BURNS DITCH AT PORTAGE, IN—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 1 of 12

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; ng/L, nanograms per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; 9, Routine sample; J, Storm; WS, Surface water; WSQ, QC sample - Surface water; <, less than; E, estimated; M, presence verified but not quantified; 7, Replicate; 9, Regular]

Date	Sample start time	Sample type code	Medium code	Discharge, instantaneous, ft ³ /s (00061)	Dissolved oxygen, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)	Temperature, water, °C (00010)	Turbidity, water, unfiltered, monochrome near infrared LED light, 780-900 nm, detection angle 90 +/- 2.5 degrees, FNU (63680)
10-06-2010	1500	9	WS	294	8.5	7.9	660	17.5	--
03-30-2011	1100	9	WS	400	10.1	8.1	75	8.5	12
04-28-2011	1535	9	WS	2,800	9.0	7.7	529	11.7	54
04-28-2011	1935	9	WS	2,660	9.1	7.7	503	11.6	56
04-28-2011	2335	9	WS	2,560	9.2	7.8	500	11.4	54
04-29-2011	0335	9	WS	2,580	9.2	7.7	490	11.0	55
04-29-2011	0535	9	WS	2,790	9.2	7.7	491	10.8	62
04-29-2011	1235	9	WS	2,420	9.2	7.7	492	11.3	49
05-12-2011	1701	9	WS	832	8.1	8.0	669	21.7	38
05-12-2011	2101	9	WS	-13	8.0	8.0	677	22.1	21
05-13-2011	0101	9	WS	98	7.7	8.0	685	21.4	17
05-13-2011	0501	9	WS	1,770	7.8	8.0	706	20.8	13
05-13-2011	1001	9	WS	427	7.9	8.0	671	20.8	26
05-13-2011	1601	9	WS	275	8.2	8.0	682	20.9	12
05-25-2011	1215	9	WS	933	8.3	8.0	676	18.8	17
06-08-2011	1445	9	WS	-183	7.2	7.9	605	26.0	15
07-12-2011	1530	9	WS	2,070	8.6	8.0	625	25.0	120
07-29-2011	0542	9	WS	877	6.0	7.7	625	24.5	--
07-29-2011	0642	9	WS	1,080	6.1	7.7	597	24.3	--
07-29-2011	0742	9	WS	613	6.0	7.7	615	24.4	--
07-29-2011	0942	9	WS	590	5.8	7.7	641	24.2	--
07-29-2011	1142	9	WS	1,640	6.0	7.7	655	24.3	--
07-29-2011	1642	9	WS	1,150	5.9	7.7	526	24.7	55
08-11-2011	1445	7	WS	522	7.7	8.1	587	25.9	7.4
08-11-2011	1450	7	WSQ	--	--	--	--	--	--
09-07-2011	1525	9	WS	364	7.8	7.8	594	22.3	8.4
09-28-2011	0957	9	WS	691	7.4	7.8	582	17.3	17
09-28-2011	1227	9	WS	445	7.6	7.8	571	17.8	17
09-28-2011	1257	9	WS	907	7.6	7.8	584	17.7	17
09-28-2011	1557	9	WS	759	7.5	7.8	590	18.0	23
09-29-2011	0157	9	WS	665	7.5	7.8	635	17.1	14
09-29-2011	0857	9	WS	901	7.5	7.8	621	17.1	18

04095090 BURNS DITCH AT PORTAGE, IN—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 2 of 12

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; ng/L, nanograms per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; 9, Routine sample; J, Storm; WS, Surface water; WSQ, QC sample - Surface water; <, less than; E, estimated; M, presence verified but not quantified; 7, Replicate; 9, Regular]

Date	Sample start time	Bisphenol A-d3, surrogate, Schedule 4433 and Labcode 8033 (WWWW), water, unfiltered, percent recovery (62839)	Caffeine-13C, surrogate, Schedule 4433 and Labcode 8033 (WWWW), water, unfiltered, percent recovery (62840)	Decafluoro biphenyl, surrogate, Schedule 4433 and Labcode 8033 (WWWW), water, unfiltered, percent recovery (62841)	Fluoranthene-d10, surrogate, Schedule 4433 and Labcode 8033 (WWWW), water, unfiltered, percent recovery (62842)	Number of sampling points, count (00063)	Sample purpose (71999)	Sampler type (84164)	Sampling method (82398)
10-06-2010	1500	63.9	64.2	36.6	58.6	1	Routine	US DH-81 Teflon	Grab sample(dip)
03-30-2011	1100	129	100	58.1	90.4	1	Routine	Sampler point auto	Point sample
04-28-2011	1535	117	91.2	63.6	80.8	1	Routine	Sampler point auto	Point sample
04-28-2011	1935	--	--	--	--	1	Routine	Sampler point auto	Point sample
04-28-2011	2335	--	--	--	--	1	Routine	Sampler point auto	Point sample
04-29-2011	0335	--	--	--	--	1	Routine	Sampler point auto	Point sample
04-29-2011	0535	--	--	--	--	1	Routine	Sampler point auto	Point sample
04-29-2011	1235	--	--	--	--	1	Routine	Sampler point auto	Point sample
05-12-2011	1701	--	--	--	--	1	Routine	Sampler point auto	Point sample
05-12-2011	2101	--	--	--	--	1	Routine	Sampler point auto	Point sample
05-13-2011	0101	--	--	--	--	1	Routine	Sampler point auto	Point sample
05-13-2011	0501	--	--	--	--	1	Routine	Sampler point auto	Point sample
05-13-2011	1001	--	--	--	--	1	Routine	Sampler point auto	Point sample
05-13-2011	1601	136	88.8	56.2	89.5	1	Routine	Sampler point auto	Point sample
05-25-2011	1215	144	101	53.6	89.2	1	Routine	Sampler point auto	Point sample
06-08-2011	1445	134	87.0	65.3	83.2	1	Routine	Sampler point auto	Point sample
07-12-2011	1530	119	88.7	61.7	87.5	1	Routine	Sampler point auto	Point sample
07-29-2011	0542	--	--	--	--	1	Routine	Sampler point auto	Point sample
07-29-2011	0642	--	--	--	--	1	Routine	Sampler point auto	Point sample
07-29-2011	0742	--	--	--	--	1	Routine	Sampler point auto	Point sample
07-29-2011	0942	--	--	--	--	1	Routine	Sampler point auto	Point sample
07-29-2011	1142	--	--	--	--	1	Routine	Sampler point auto	Point sample
07-29-2011	1642	130	107	68.7	102	1	Routine	Sampler point auto	Point sample
08-11-2011	1445	138	88.8	55.3	89.3	1	Routine	Sampler point auto	Point sample
08-11-2011	1450	129	81.4	56.4	83.3	1	Routine	Sampler point auto	Point sample
09-07-2011	1525	--	81.2	63.1	88.9	1	Routine	Sampler point auto	Point sample
09-28-2011	0957	--	--	--	--	1	Routine	Sampler point auto	Point sample
09-28-2011	1227	--	--	--	--	1	Routine	Sampler point auto	Point sample
09-28-2011	1257	--	--	--	--	1	Routine	Sampler point auto	Point sample
09-28-2011	1557	--	--	--	--	1	Routine	Sampler point auto	Point sample
09-29-2011	0157	--	--	--	--	1	Routine	Sampler point auto	Point sample
09-29-2011	0857	--	55.8	55.8	74.4	1	Routine	Sampler point auto	Point sample

04095090 BURNS DITCH AT PORTAGE, IN—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 3 of 12

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; ng/L, nanograms per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; 9, Routine sample; J, Storm; WS, Surface water; WSQ, QC sample - Surface water; <, less than; E, estimated; M, presence verified but not quantified; 7, Replicate; 9, Regular]

Date	Sample start time	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Sulfate, water, filtered, mg/L (00945)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)
10-06-2010	1500	--	--	--	--	--	--	--	--	--
03-30-2011	1100	--	--	89.3	--	--	0.216	1.34	0.027	0.009
04-28-2011	1535	--	--	78.6	--	--	.062	1.21	.019	.035
04-28-2011	1935	--	--	59.7	--	--	.058	1.23	.019	.035
04-28-2011	2335	--	--	59.6	--	--	.053	1.23	.020	.037
04-29-2011	0335	--	--	59.5	--	--	.061	1.22	.020	.037
04-29-2011	0535	--	--	58.8	--	--	.063	1.20	.020	.038
04-29-2011	1235	47.8	16.2	59.8	0.23	36.1	.057	1.21	.020	.036
05-12-2011	1701	--	--	72.9	--	--	.125	.94	.043	.009
05-12-2011	2101	--	--	79.6	--	--	.145	.89	.044	.012
05-13-2011	0101	--	--	78.1	--	--	.138	1.00	.040	.017
05-13-2011	0501	--	--	72.4	--	--	.109	1.03	.036	.016
05-13-2011	1001	--	--	21.8	--	--	.116	.97	.038	.015
05-13-2011	1601	64.9	21.7	73.8	.44	73.5	.143	1.02	.041	.016
05-25-2011	1215	--	--	78.7	--	--	.153	1.06	.037	.017
06-08-2011	1445	--	--	58.2	--	--	.121	1.02	.053	.045
07-12-2011	1530	--	--	62.2	--	--	.068	1.00	.032	.026
07-29-2011	0542	--	--	63.0	--	--	.121	1.00	.045	.037
07-29-2011	0642	--	--	83.3	--	--	.125	.96	.043	.031
07-29-2011	0742	--	--	71.7	--	--	.124	1.05	.044	.029
07-29-2011	0942	--	--	72.4	--	--	.111	1.19	.044	.050
07-29-2011	1142	--	--	83.5	--	--	.110	1.20	.042	.056
07-29-2011	1642	46.9	16.7	48.4	.43	38.7	.093	1.07	.039	.038
08-11-2011	1445	--	--	53.6	--	--	.077	.86	.034	.039
08-11-2011	1450	--	--	53.6	--	--	.077	.86	.034	.039
09-07-2011	1525	--	--	60.8	--	--	.098	.94	.033	.041
09-28-2011	0957	--	--	53.8	--	--	.084	.93	.016	.030
09-28-2011	1227	--	--	50.7	--	--	.094	.87	.017	.031
09-28-2011	1257	--	--	53.0	--	--	.094	.86	.017	.030
09-28-2011	1557	--	--	56.8	--	--	.101	.93	.019	.033
09-29-2011	0157	--	--	62.1	--	--	.100	1.00	.018	.032
09-29-2011	0857	60.2	22.0	59.7	.39	50.8	.106	.90	.020	.033

04095090 BURNS DITCH AT PORTAGE, IN—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 4 of 12

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; ng/L, nanograms per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; 9, Routine sample; J, Storm; WS, Surface water; WSQ, QC sample - Surface water; <, less than; E, estimated; M, presence verified but not quantified; 7, Replicate; 9, Regular]

Date	Sample start time	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, unfiltered, analytically determined, mg/L (62855)	Mercury, water, unfiltered, ng/L (50286)	1,4-Dichloro-benzene, water, unfiltered, recoverable, µg/L (34571)	Atrazine, water, unfiltered, recoverable, micrograms per liter (39630)	Bromacil, water, unfiltered, recoverable, micrograms per liter (30234)	Camphor, water, unfiltered, recoverable, micrograms per liter (62817)	Carbaryl, water, unfiltered, recoverable, micrograms per liter (39750)
10-06-2010	1500	--	--	2.33	<0.08	< 0.16	< 0.16	< 0.08	< 0.06
03-30-2011	1100	0.064	2.03	--	< .08	.04	< .16	< .08	< .06
04-28-2011	1535	.180	2.35	--	< .08	E .04	E .06	< .08	E .01
04-28-2011	1935	.162	2.22	--	--	--	--	--	--
04-28-2011	2335	.186	2.26	--	--	--	--	--	--
04-29-2011	0335	.196	2.23	--	--	--	--	--	--
04-29-2011	0535	.198	2.18	--	--	--	--	--	--
04-29-2011	1235	.13	2.18	--	--	--	--	--	--
05-12-2011	1701	.10	1.88	--	--	--	--	--	--
05-12-2011	2101	.09	1.72	--	--	--	--	--	--
05-13-2011	0101	.09	1.82	--	--	--	--	--	--
05-13-2011	0501	.110	1.92	--	--	--	--	--	--
05-13-2011	1001	.092	1.84	--	--	--	--	--	--
05-13-2011	1601	.088	1.87	--	< .08	.40	.12	E .02	E .06
05-25-2011	1215	.125	2.04	--	< .08	.25	.10	E .02	< .06
06-08-2011	1445	.142	1.98	--	< .08	1.0	.17	< .08	< .06
07-12-2011	1530	.129	1.80	--	< .08	.42	< .16	< .08	< .06
07-29-2011	0542	.109	1.64	--	--	--	--	--	--
07-29-2011	0642	.091	1.55	--	--	--	--	--	--
07-29-2011	0742	.108	1.66	--	--	--	--	--	--
07-29-2011	0942	.120	1.84	--	--	--	--	--	--
07-29-2011	1142	.148	1.98	--	--	--	--	--	--
07-29-2011	1642	.193	1.96	--	< .08	.29	.08	< .08	E .03
08-11-2011	1445	.091	1.41	1.45	< .08	.08	< .16	< .08	< .06
08-11-2011	1450	.091	1.37	--	< .08	.07	< .16	.01	< .06
09-07-2011	1525	.105	1.47	--	< .08	.07	.10	< .08	< .06
09-28-2011	0957	.127	1.61	--	--	--	--	--	--
09-28-2011	1227	.104	1.41	--	--	--	--	--	--
09-28-2011	1257	.111	1.44	--	--	--	--	--	--
09-28-2011	1557	.114	1.53	--	--	--	--	--	--
09-29-2011	0157	.110	1.59	--	--	--	--	--	--
09-29-2011	0857	.122	1.71	--	M	.03	< .16	E .02	< .06

04095090 BURNS DITCH AT PORTAGE, IN—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 5 of 12

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; ng/L, nanograms per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; 9, Routine sample; J, Storm; WS, Surface water; WSQ, QC sample - Surface water; <, less than; E, estimated; M, presence verified but not quantified; 7, Replicate; 9, Regular]

Date	Sample start time	Carbazole, water, unfiltered, recoverable, e, micrograms per liter (77571)	Chlorpyrifos, water, unfiltered, recoverable, e, micrograms per liter (38932)	DEET, water, unfiltered, recoverable, e, micrograms per liter (61947)	Diazinon, water, unfiltered, recoverable, e, micrograms per liter (39570)	Dichlorvos, water, unfiltered, recoverable, e, micrograms per liter (30218)	Metalaxyl, water, unfiltered, recoverable, e, micrograms per liter (04254)	Metolachlor, water, unfiltered, recoverable, e, micrograms per liter (82612)	p-Cresol, water, unfiltered, recoverable, e, micrograms per liter (77146)	Pentachlorophenol, water, unfiltered, recoverable, e, µg/L (39032)
10-06-2010	1500	<0.020	<0.32	0.03	<0.32	<0.08	<0.16	<0.04	<0.08	<1.6
03-30-2011	1100	.023	<.32	.02	<.32	<.08	<.16	<.04	<.08	<1.6
04-28-2011	1535	.010	<.32	.02	<.32	.02	<.16	E .02	.02	E .1
04-28-2011	1935	--	--	--	--	--	--	--	--	--
04-28-2011	2335	--	--	--	--	--	--	--	--	--
04-29-2011	0335	--	--	--	--	--	--	--	--	--
04-29-2011	0535	--	--	--	--	--	--	--	--	--
04-29-2011	1235	--	--	--	--	--	--	--	--	--
05-12-2011	1701	--	--	--	--	--	--	--	--	--
05-12-2011	2101	--	--	--	--	--	--	--	--	--
05-13-2011	0101	--	--	--	--	--	--	--	--	--
05-13-2011	0501	--	--	--	--	--	--	--	--	--
05-13-2011	1001	--	--	--	--	--	--	--	--	--
05-13-2011	1601	.015	<.32	.05	<.32	<.08	<.16	.07	<.08	E .1
05-25-2011	1215	.067	<.32	.10	<.32	<.08	<.16	.05	<.08	E .1
06-08-2011	1445	.015	<.32	.11	<.32	<.08	<.16	.12	<.08	E .1
07-12-2011	1530	.012	<.32	.14	<.32	<.08	<.16	.03	<.08	<1.6
07-29-2011	0542	--	--	--	--	--	--	--	--	--
07-29-2011	0642	--	--	--	--	--	--	--	--	--
07-29-2011	0742	--	--	--	--	--	--	--	--	--
07-29-2011	0942	--	--	--	--	--	--	--	--	--
07-29-2011	1142	--	--	--	--	--	--	--	--	--
07-29-2011	1642	.028	<.32	.16	<.32	<.08	<.16	.03	<.08	E .2
08-11-2011	1445	.015	<.32	.09	<.32	<.08	<.16	.01	<.08	E .1
08-11-2011	1450	.011	<.32	.09	<.32	<.08	<.16	.01	<.08	<1.6
09-07-2011	1525	<.020	<.32	.04	<.32	<.08	<.16	.01	<.08	M
09-28-2011	0957	--	--	--	--	--	--	--	--	--
09-28-2011	1227	--	--	--	--	--	--	--	--	--
09-28-2011	1257	--	--	--	--	--	--	--	--	--
09-28-2011	1557	--	--	--	--	--	--	--	--	--
09-29-2011	0157	--	--	--	--	--	--	--	--	--
09-29-2011	0857	.013	<.32	.03	<.32	<.08	<.16	.01	<.08	<1.6

04095090 BURNS DITCH AT PORTAGE, IN—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 6 of 12

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; ng/L, nanograms per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; 9, Routine sample; J, Storm; WS, Surface water; WSQ, QC sample - Surface water; <, less than; E, estimated; M, presence verified but not quantified; 7, Replicate; 9, Regular]

Date	Sample start time	1-	2,6-	2-	3,4-	3-beta-	3-Methyl-	3-tert-	4-	
		Prometon, water, unfiltered, recoverable,	Methylnapthalene, water, unfiltered, recoverable,	Dimethylnapthalene, water, unfiltered, recoverable,	Methylnapthalene, water, unfiltered, recoverable,	Dichlorophenyl isocyanate, water, unfiltered, recoverable,	Coprostanol, water, unfiltered, recoverable,	1H-indole, water, unfiltered, recoverable,	hydroxyanisole, water, unfiltered, recoverable,	Cumylphenol, water, unfiltered, recoverable,
		micrograms per liter (39056)	micrograms per liter (81696)	micrograms per liter (62805)	micrograms per liter (30194)	micrograms per liter (63145)	micrograms per liter (62806)	micrograms per liter (62807)	micrograms per liter (61702)	micrograms per liter (62808)
10-06-2010	1500	0.02	< 0.04	< 0.04	< 0.04	< 0.32	< 1.6	< 0.04	< 0.16	< 0.04
03-30-2011	1100	< .16	.01	< .04	.02	< .32	< 1.6	< .04	< .16	< .04
04-28-2011	1535	E .03	E .01	M	< .04	E .02	E .2	< .04	< .16	< .04
04-28-2011	1935	--	--	--	--	--	--	--	--	--
04-28-2011	2335	--	--	--	--	--	--	--	--	--
04-29-2011	0335	--	--	--	--	--	--	--	--	--
04-29-2011	0535	--	--	--	--	--	--	--	--	--
04-29-2011	1235	--	--	--	--	--	--	--	--	--
05-12-2011	1701	--	--	--	--	--	--	--	--	--
05-12-2011	2101	--	--	--	--	--	--	--	--	--
05-13-2011	0101	--	--	--	--	--	--	--	--	--
05-13-2011	0501	--	--	--	--	--	--	--	--	--
05-13-2011	1001	--	--	--	--	--	--	--	--	--
05-13-2011	1601	.04	.02	.02	.03	E .02	E 1.1	< .04	< .16	< .04
05-25-2011	1215	.03	.01	.01	.03	E .05	E .8	< .04	< .16	< .04
06-08-2011	1445	.05	E .01	.01	.01	E .08	E .4	< .04	< .16	< .04
07-12-2011	1530	.04	.01	< .04	.03	E .15	< 1.6	< .04	< .16	< .04
07-29-2011	0542	--	--	--	--	--	--	--	--	--
07-29-2011	0642	--	--	--	--	--	--	--	--	--
07-29-2011	0742	--	--	--	--	--	--	--	--	--
07-29-2011	0942	--	--	--	--	--	--	--	--	--
07-29-2011	1142	--	--	--	--	--	--	--	--	--
07-29-2011	1642	.09	.01	< .04	.02	E .04	< 1.6	< .04	< .16	< .04
08-11-2011	1445	.02	.01	.01	.02	E .01	E .4	< .04	< .16	< .04
08-11-2011	1450	.01	.01	< .04	.02	E .01	< 1.6	< .04	< .16	< .04
09-07-2011	1525	.05	< .04	< .04	< .04	E .02	E .4	< .04	< .16	< .04
09-28-2011	0957	--	--	--	--	--	--	--	--	--
09-28-2011	1227	--	--	--	--	--	--	--	--	--
09-28-2011	1257	--	--	--	--	--	--	--	--	--
09-28-2011	1557	--	--	--	--	--	--	--	--	--
09-29-2011	0157	--	--	--	--	--	--	--	--	--
09-29-2011	0857	.02	.02	.01	.03	E .16	< 1.6	< .04	< .16	.03

04095090 BURNS DITCH AT PORTAGE, IN—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 7 of 12

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; ng/L, nanograms per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; 9, Routine sample; J, Storm; WS, Surface water; WSQ, QC sample - Surface water; <, less than; E, estimated; M, presence verified but not quantified; 7, Replicate; 9, Regular]

Date	Sample start time	4-n-	4-	4-	4-	4-tert-	5-Methyl-	9,10-	microgram s per liter (62813)	
		Octylphen ol, water, unfiltered, recoverabl e, microgram s per liter (62809)	Nonylphen ol (sum of all isomers), water, unfiltered, recoverabl e, microgram s per liter (62829)	diethoxyla te (sum of all isomers), water, unfiltered, recoverabl e, microgram s per liter (61703)	Nonylphen ol monoethox ylate (sum of all isomers), water, unfiltered, recoverabl e, microgram s per liter (61704)	4-tert- Octylphen ol diethoxyla te, water, unfiltered, recoverabl e, microgram s per liter (62486)	Octylphen ol monoethox ylate, water, unfiltered, recoverabl e, microgram s per liter (62485)	4-tert- Octylphen ol, water, unfiltered, recoverabl e, microgram s per liter (62810)		1H- benzotriaz ole, water, unfiltered, recoverabl e, microgram s per liter (61944)
10-06-2010	1500	< 0.02	< 1.6	E 2.0	< 1.6	< 0.2	< 0.6	M	E 0.83	E 0.03
03-30-2011	1100	< .02	E .2	< 1.6	< 1.6	E .1	< .6	M	E .58	E .08
04-28-2011	1535	< .02	< 1.6	E .4	< 1.6	< .2	< .6	< 0.4	E .06	E .05
04-28-2011	1935	--	--	--	--	--	--	--	--	--
04-28-2011	2335	--	--	--	--	--	--	--	--	--
04-29-2011	0335	--	--	--	--	--	--	--	--	--
04-29-2011	0535	--	--	--	--	--	--	--	--	--
04-29-2011	1235	--	--	--	--	--	--	--	--	--
05-12-2011	1701	--	--	--	--	--	--	--	--	--
05-12-2011	2101	--	--	--	--	--	--	--	--	--
05-13-2011	0101	--	--	--	--	--	--	--	--	--
05-13-2011	0501	--	--	--	--	--	--	--	--	--
05-13-2011	1001	--	--	--	--	--	--	--	--	--
05-13-2011	1601	< .02	E .2	E 3.4	E .70	E .3	< .6	< .4	E .17	E .09
05-25-2011	1215	< .02	E .3	E 3.1	E .62	E .2	E .1	M	E .34	E .18
06-08-2011	1445	< .02	E .1	E 1.5	< 1.6	E .2	M	M	E .33	E .07
07-12-2011	1530	< .02	< 1.6	E 1.3	E .25	E .1	< .6	< .4	E .27	E .03
07-29-2011	0542	--	--	--	--	--	--	--	--	--
07-29-2011	0642	--	--	--	--	--	--	--	--	--
07-29-2011	0742	--	--	--	--	--	--	--	--	--
07-29-2011	0942	--	--	--	--	--	--	--	--	--
07-29-2011	1142	--	--	--	--	--	--	--	--	--
07-29-2011	1642	< .02	E .2	E .5	< 1.6	< .2	< .6	M	E .30	E .13
08-11-2011	1445	< .02	E .2	E 1.5	E .32	E .1	M	M	E .37	E .04
08-11-2011	1450	< .02	E .1	E 1.1	E .21	E .1	M	M	E .29	E .04
09-07-2011	1525	< .02	E .1	E .9	E .28	E .1	< .6	M	E .30	< .04
09-28-2011	0957	--	--	--	--	--	--	--	--	--
09-28-2011	1227	--	--	--	--	--	--	--	--	--
09-28-2011	1257	--	--	--	--	--	--	--	--	--
09-28-2011	1557	--	--	--	--	--	--	--	--	--
09-29-2011	0157	--	--	--	--	--	--	--	--	--
09-29-2011	0857	< .02	E .1	E .6	< 1.6	< .2	< .6	M	E .55	E .04

04095090 BURNS DITCH AT PORTAGE, IN—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 8 of 12

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; ng/L, nanograms per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; 9, Routine sample; J, Storm; WS, Surface water; WSQ, QC sample - Surface water; <, less than; E, estimated; M, presence verified but not quantified; 7, Replicate; 9, Regular]

Date	Sample start time	Acetyl hexamethyl tetrahydro			BDE		beta-		Bis(2-	
		Acetophenone, water, unfiltered, recoverable, micrograms per liter (62811)	naphthalene, water, unfiltered, recoverable, micrograms per liter (62812)	Anthracene, water, unfiltered, recoverable, µg/L (34220)	congener 47, water, unfiltered, recoverable, micrograms per liter (63147)	Benzo[a]pyrene, water, unfiltered, recoverable, µg/L (34247)	Benzophenone, water, unfiltered, recoverable, micrograms per liter (62814)	Sitosterol, water, unfiltered, recoverable, micrograms per liter (62815)	Stigmastanol, water, unfiltered, recoverable, micrograms per liter (61948)	ethylhexyl) phthalate, water, unfiltered, recoverable, µg/L (39100)
10-06-2010	1500	< 0.4	< 0.04	< 0.02	< 0.04	< 0.02	0.03	E 0.7	< 1.6	< 2
03-30-2011	1100	< .4	< .04	< .02	< .04	E .01	< .08	E 1.2	< 1.6	< 2
04-28-2011	1535	< .4	.01	.01	< .04	E .02	< .08	E .7	E .2	< 2
04-28-2011	1935	--	--	--	--	--	--	--	--	--
04-28-2011	2335	--	--	--	--	--	--	--	--	--
04-29-2011	0335	--	--	--	--	--	--	--	--	--
04-29-2011	0535	--	--	--	--	--	--	--	--	--
04-29-2011	1235	--	--	--	--	--	--	--	--	--
05-12-2011	1701	--	--	--	--	--	--	--	--	--
05-12-2011	2101	--	--	--	--	--	--	--	--	--
05-13-2011	0101	--	--	--	--	--	--	--	--	--
05-13-2011	0501	--	--	--	--	--	--	--	--	--
05-13-2011	1001	--	--	--	--	--	--	--	--	--
05-13-2011	1601	< .4	.01	.01	< .04	< .02	.05	E 2.9	E 1.5	< 2
05-25-2011	1215	< .4	< .04	.02	< .04	.03	.05	E 2.2	E 1.0	< 4
06-08-2011	1445	< .4	< .04	.01	< .04	E .02	.04	E 1.2	E .4	< 2
07-12-2011	1530	< .4	< .04	< .02	< .04	E .02	E .02	E 5.2	< 1.6	< 2
07-29-2011	0542	--	--	--	--	--	--	--	--	--
07-29-2011	0642	--	--	--	--	--	--	--	--	--
07-29-2011	0742	--	--	--	--	--	--	--	--	--
07-29-2011	0942	--	--	--	--	--	--	--	--	--
07-29-2011	1142	--	--	--	--	--	--	--	--	--
07-29-2011	1642	< .4	< .04	< .02	< .04	.02	.04	< 1.6	E .2	< 2
08-11-2011	1445	< .4	< .04	< .02	< .04	E .02	< .08	E 3.3	E .8	< 2
08-11-2011	1450	< .4	< .04	.01	< .04	E .02	< .08	E 2.9	< 1.6	< 2
09-07-2011	1525	< .4	< .04	< .02	< .04	< .02	.04	E .8	E .4	< 2
09-28-2011	0957	--	--	--	--	--	--	--	--	--
09-28-2011	1227	--	--	--	--	--	--	--	--	--
09-28-2011	1257	--	--	--	--	--	--	--	--	--
09-28-2011	1557	--	--	--	--	--	--	--	--	--
09-29-2011	0157	--	--	--	--	--	--	--	--	--
09-29-2011	0857	< .4	< .04	M	< .04	< .02	E .03	E .5	E .2	< 2

04095090 BURNS DITCH AT PORTAGE, IN—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 9 of 12

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; ng/L, nanograms per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; 9, Routine sample; J, Storm; WS, Surface water; WSQ, QC sample - Surface water; <, less than; E, estimated; M, presence verified but not quantified; 7, Replicate; 9, Regular]

Date	Sample start time	Bisphenol A, water, unfiltered, recoverable, microgram s per liter (62816)	Caffeine, water, unfiltered, recoverable, microgram s per liter (81436)	Cholesterol, water, unfiltered, recoverable, microgram s per liter (62818)	Cotinine, water, unfiltered, recoverable, microgram s per liter (61945)	Diethyl phthalate, water, unfiltered, recoverable, µg/L (34336)	D-Limonene, water, unfiltered, recoverable, microgram s per liter (62819)	Fluoranthene, water, unfiltered, recoverable, µg/L (34376)	Hexahydro hexamethyl cyclopenta benzopyran, water, unfiltered, recoverable, microgram s per liter (62823)	Indole, water, unfiltered, recoverable, microgram s per liter (62824)
10-06-2010	1500	< 0.04	< 0.08	E 0.4	< 0.08	< 0.4	< 0.16	< 0.02	0.03	< 0.04
03-30-2011	1100	E .05	.06	E .8	< .08	.2	< .16	.04	.11	.01
04-28-2011	1535	E .02	.20	E .7	< .08	< .4	< .16	.04	.06	.01
04-28-2011	1935	--	--	--	--	--	--	--	--	--
04-28-2011	2335	--	--	--	--	--	--	--	--	--
04-29-2011	0335	--	--	--	--	--	--	--	--	--
04-29-2011	0535	--	--	--	--	--	--	--	--	--
04-29-2011	1235	--	--	--	--	--	--	--	--	--
05-12-2011	1701	--	--	--	--	--	--	--	--	--
05-12-2011	2101	--	--	--	--	--	--	--	--	--
05-13-2011	0101	--	--	--	--	--	--	--	--	--
05-13-2011	0501	--	--	--	--	--	--	--	--	--
05-13-2011	1001	--	--	--	--	--	--	--	--	--
05-13-2011	1601	.09	< .09	E 1.2	< .08	.2	< .16	.04	.09	< .04
05-25-2011	1215	E .09	< .08	E 1.2	< .08	E .1	< .16	.12	.09	.02
06-08-2011	1445	E .06	.07	E 1.0	< .08	.4	< .16	.06	.06	< .04
07-12-2011	1530	< .07	.06	E 1.3	< .08	< .4	< .16	.02	.05	< .04
07-29-2011	0542	--	--	--	--	--	--	--	--	--
07-29-2011	0642	--	--	--	--	--	--	--	--	--
07-29-2011	0742	--	--	--	--	--	--	--	--	--
07-29-2011	0942	--	--	--	--	--	--	--	--	--
07-29-2011	1142	--	--	--	--	--	--	--	--	--
07-29-2011	1642	.05	.09	E .6	< .08	< .4	< .16	.06	.07	< .04
08-11-2011	1445	< .05	.04	E 1.2	< .08	E .2	< .16	.04	.04	< .04
08-11-2011	1450	< .04	.04	E 1.1	< .08	< .4	< .16	.05	.04	< .04
09-07-2011	1525	.04	.04	E .6	< .08	< .4	< .16	.02	.05	< .04
09-28-2011	0957	--	--	--	--	--	--	--	--	--
09-28-2011	1227	--	--	--	--	--	--	--	--	--
09-28-2011	1257	--	--	--	--	--	--	--	--	--
09-28-2011	1557	--	--	--	--	--	--	--	--	--
09-29-2011	0157	--	--	--	--	--	--	--	--	--
09-29-2011	0857	E .03	.03	E .6	< .08	< .4	< .16	.02	.06	< .04

04095090 BURNS DITCH AT PORTAGE, IN—Continued

WATER-QUALITY DATA
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Part 10 of 12

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; ng/L, nanograms per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; 9, Routine sample; J, Storm; WS, Surface water; WSQ, QC sample - Surface water; <, less than; E, estimated; M, presence verified but not quantified; 7, Replicate; 9, Regular]

Date	Sample start time	Isoborneol, water, unfiltered, recoverable, micrograms per liter (62825)	Iso-phorone, water, unfiltered, recoverable, µg/L (34408)	Isopropyl-benzene, water, unfiltered, recoverable, µg/L (77223)	Isoquinoline, water, unfiltered, recoverable, micrograms per liter (62826)	Menthol, water, unfiltered, recoverable, micrograms per liter (62827)	Methyl salicylate, water, unfiltered, recoverable, micrograms per liter (62828)	Methyl-mercury, water, unfiltered, recoverable, ng/L (50284)	Naphthalene, water, unfiltered, recoverable, µg/L (34696)	Phenanthrene, water, unfiltered, recoverable, µg/L (34461)
10-06-2010	1500	< 0.080	< 0.040	< 0.04	< 0.04	< 0.32	< 0.08	0.06	< 0.02	< 0.02
03-30-2011	1100	< .080	.040	< .04	< .06	< .32	< .08	--	E .03	.05
04-28-2011	1535	< .080	.035	< .04	< .04	.04	< .08	--	< .02	.02
04-28-2011	1935	--	--	--	--	--	--	--	--	--
04-28-2011	2335	--	--	--	--	--	--	--	--	--
04-29-2011	0335	--	--	--	--	--	--	--	--	--
04-29-2011	0535	--	--	--	--	--	--	--	--	--
04-29-2011	1235	--	--	--	--	--	--	--	--	--
05-12-2011	1701	--	--	--	--	--	--	--	--	--
05-12-2011	2101	--	--	--	--	--	--	--	--	--
05-13-2011	0101	--	--	--	--	--	--	--	--	--
05-13-2011	0501	--	--	--	--	--	--	--	--	--
05-13-2011	1001	--	--	--	--	--	--	--	--	--
05-13-2011	1601	< .080	.880	< .04	< .04	< .32	< .08	--	E .04	.02
05-25-2011	1215	< .080	.028	< .04	< .04	< .32	< .08	--	.05	.07
06-08-2011	1445	< .080	.011	< .04	< .04	< .32	< .08	--	< .02	.03
07-12-2011	1530	< .080	< .040	< .04	< .04	< .32	< .08	--	.04	.01
07-29-2011	0542	--	--	--	--	--	--	--	--	--
07-29-2011	0642	--	--	--	--	--	--	--	--	--
07-29-2011	0742	--	--	--	--	--	--	--	--	--
07-29-2011	0942	--	--	--	--	--	--	--	--	--
07-29-2011	1142	--	--	--	--	--	--	--	--	--
07-29-2011	1642	< .080	.028	< .04	< .04	< .32	< .08	--	.02	.02
08-11-2011	1445	< .080	< .040	< .04	< .04	< .32	< .08	< .04	.02	.02
08-11-2011	1450	< .080	< .040	< .04	< .04	< .32	< .08	--	.02	.02
09-07-2011	1525	< .080	< .040	< .04	< .04	< .32	< .08	--	< .02	< .02
09-28-2011	0957	--	--	--	--	--	--	--	--	--
09-28-2011	1227	--	--	--	--	--	--	--	--	--
09-28-2011	1257	--	--	--	--	--	--	--	--	--
09-28-2011	1557	--	--	--	--	--	--	--	--	--
09-29-2011	0157	--	--	--	--	--	--	--	--	--
09-29-2011	0857	< .080	< .040	< .04	< .04	< .32	< .08	--	.04	.01

04095090 BURNS DITCH AT PORTAGE, IN—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 11 of 12

[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; ng/L, nanograms per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; 9, Routine sample; J, Storm; WS, Surface water; WSQ, QC sample - Surface water; <, less than; E, estimated; M, presence verified but not quantified; 7, Replicate; 9, Regular]

Date	Sample start time	Phenol, water, unfiltered, recoverable, µg/L (34694)	Pyrene, water, unfiltered, recoverable, µg/L (34469)	Tetra-chloro-ethene, water, unfiltered, recoverable, µg/L (34475)	Tribromo-methane, water, unfiltered, recoverable, µg/L (32104)	Tributyl phosphate, water, unfiltered, recoverable, micrograms per liter (62832)	Triclosan, water, unfiltered, recoverable, micrograms per liter (61708)	Triethyl citrate, water, unfiltered, recoverable, micrograms per liter (62833)	Triphenyl phosphate, water, unfiltered, recoverable, micrograms per liter (62834)	Tris(2-butoxyethyl) phosphate, water, unfiltered, recoverable, micrograms per liter (62830)
10-06-2010	1500	< 0.16	< 0.02	< 0.16	0.02	< 0.040	< 0.32	< 0.04	< 0.08	< 0.64
03-30-2011	1100	< .16	.03	E .02	< .16	< .040	< .32	< .05	E .03	E .35
04-28-2011	1535	< .16	.03	< .16	< .16	< .040	E .04	< .04	E .01	E .25
04-28-2011	1935	--	--	--	--	--	--	--	--	--
04-28-2011	2335	--	--	--	--	--	--	--	--	--
04-29-2011	0335	--	--	--	--	--	--	--	--	--
04-29-2011	0535	--	--	--	--	--	--	--	--	--
04-29-2011	1235	--	--	--	--	--	--	--	--	--
05-12-2011	1701	--	--	--	--	--	--	--	--	--
05-12-2011	2101	--	--	--	--	--	--	--	--	--
05-13-2011	0101	--	--	--	--	--	--	--	--	--
05-13-2011	0501	--	--	--	--	--	--	--	--	--
05-13-2011	1001	--	--	--	--	--	--	--	--	--
05-13-2011	1601	< .16	.03	< .16	.01	.023	.12	< .24	< .08	E .50
05-25-2011	1215	E .05	.09	< .16	.04	.022	E .08	< .32	E .02	E .82
06-08-2011	1445	< .16	.05	E .02	< .16	< .040	< .32	< .04	< .08	E .45
07-12-2011	1530	E .05	.02	< .16	.03	< .040	< .32	< .04	< .08	E .28
07-29-2011	0542	--	--	--	--	--	--	--	--	--
07-29-2011	0642	--	--	--	--	--	--	--	--	--
07-29-2011	0742	--	--	--	--	--	--	--	--	--
07-29-2011	0942	--	--	--	--	--	--	--	--	--
07-29-2011	1142	--	--	--	--	--	--	--	--	--
07-29-2011	1642	< .16	.04	E .01	.02	.037	< .32	< .04	< .08	E 1.27
08-11-2011	1445	< .16	.04	E .02	.01	< .040	E .07	< .04	.01	E .12
08-11-2011	1450	< .16	.05	E .02	< .16	.009	< .32	< .04	.02	< .64
09-07-2011	1525	< .16	.01	< .16	< .16	< .040	< .32	< .04	< .08	< .64
09-28-2011	0957	--	--	--	--	--	--	--	--	--
09-28-2011	1227	--	--	--	--	--	--	--	--	--
09-28-2011	1257	--	--	--	--	--	--	--	--	--
09-28-2011	1557	--	--	--	--	--	--	--	--	--
09-29-2011	0157	--	--	--	--	--	--	--	--	--
09-29-2011	0857	< .16	.02	< .16	.01	.014	< .32	.03	.01	< .64

04095090 BURNS DITCH AT PORTAGE, IN—Continued

WATER-QUALITY DATA
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[FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; ng/L, nanograms per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; 9, Routine sample; J, Storm; WS, Surface water; WSQ, QC sample - Surface water; <, less than; E, estimated; M, presence verified but not quantified; 7, Replicate; 9, Regular]

Date	Sample start time	Tris(2-chloroethyl) phosphate, water, unfiltered, recoverable,	Tris(dichloroisopropyl) phosphate, water, unfiltered, recoverable,	Suspended sediment concentration, mg/L (80154)	Hydrologic event cd
		micrograms per liter (62831)	micrograms per liter (61707)		
10-06-2010	1500	< 0.16	0.05	--	9
03-30-2011	1100	< .16	< .32	12	9
04-28-2011	1535	< .16	E .03	85	J
04-28-2011	1935	--	--	81	J
04-28-2011	2335	--	--	75	J
04-29-2011	0335	--	--	75	J
04-29-2011	0535	--	--	77	J
04-29-2011	1235	--	--	60	J
05-12-2011	1701	--	--	37	J
05-12-2011	2101	--	--	27	J
05-13-2011	0101	--	--	24	J
05-13-2011	0501	--	--	25	J
05-13-2011	1001	--	--	14	J
05-13-2011	1601	E .07	.09	12	J
05-25-2011	1215	.08	.09	26	9
06-08-2011	1445	E .06	.08	19	9
07-12-2011	1530	< .16	.05	31	9
07-29-2011	0542	--	--	13	J
07-29-2011	0642	--	--	12	J
07-29-2011	0742	--	--	14	J
07-29-2011	0942	--	--	17	J
07-29-2011	1142	--	--	30	J
07-29-2011	1642	E .09	.14	76	J
08-11-2011	1445	< .16	.04	10	9
08-11-2011	1450	< .16	.05	10	9
09-07-2011	1525	E .05	.06	16	9
09-28-2011	0957	--	--	23	J
09-28-2011	1227	--	--	18	J
09-28-2011	1257	--	--	20	J
09-28-2011	1557	--	--	20	J
09-29-2011	0157	--	--	15	J
09-29-2011	0857	.03	.05	15	J