

**Wisconsin Department of Natural Resources  
Laboratory Report**

06/26/2001

Lab: 113133790

Sample: IL007794

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**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison WI 53707  
Phone 800-442-4618 Fax Phone 608-224-6276

DNR ID 113133790

**Sample:**

Field #: SGP-1D	Sample #: IL007794
Collection Start: 09/19/2000	Collection End:
Collected by: JANISCH	Waterbody/Outfall Id:
ID #:	ID Point #:
County: Douglas	Account #: WT007
Sample Location: SUPERIOR GAS PLANT - SW END OF SLIP 0.575-1.15 FT	
Sample Description:	
Sample Source: SE	Sample Depth:
Date Reported: 11/08/2000	Sample Status: COMPLETE
Project No:	

**Analyses and Results:**

Analysis Method		Analysis Date		Lab Comment			
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
1002	ARSENIC TOTAL	7440382	15.	MG/KG			
1028	CADMIUM	7440439	ND	MG/KG	.4	.4	1.2
1029	CHROMIUM	7440473	23.	MG/KG			
1042	COPPER TOTAL	7440508	*38.9	MG/KG			
1052	LEAD	7439921	*65.4	MG/KG			
71921	MERCURY	7439976	*0.45	MG/KG			
1068	NICKEL	7440020	12.	MG/KG			
61509	ZINC	7440666	*100	MG/KG			

PEC  
41  
6  
166  
272  
136  
0.91  
51  
428

**Wisconsin Department of Natural Resources  
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Lab: 113133790

Sample: IL007795

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**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison WI 53707  
Phone 800-442-4618 Fax Phone 608-224-6276

DNR ID 113133790

**Sample:**

Field #: SGP-1S	Sample #: IL007795
Collection Start: 09/19/2000	Collection End:
Collected by: JANISCH	Waterbody/Outfall Id:
ID #:	ID Point #:
County: Douglas	Account #: WT007
Sample Location: SUPERIOR GAS PLANT - SW END OF SLIP 0-0.575 FT	
Sample Description:	
Sample Source: SE	Sample Depth:
Date Reported: 11/08/2000	Sample Status: COMPLETE
Project No:	

**Analyses and Results:**

Analysis Method		Analysis Date		Lab Comment			
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
1002	ARSENIC TOTAL	7440382	9.	MG/KG	3	3	9
1028	CADMIUM	7440439	ND	MG/KG	.4	.4	1.2
1029	CHROMIUM	7440473	20.	MG/KG			
1042	COPPER TOTAL	7440508	*104	MG/KG			
1052	LEAD	7439921	*28.5	MG/KG			
71921	MERCURY	7439976	*0.26	MG/KG			
1068	NICKEL	7440020	10.	MG/KG			
61509	ZINC	7440666	*62.0	MG/KG			

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Lab: 113133790

Sample: IL007796

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**Laboratory:** Wisconsin State Laboratory of Hygiene

DNR ID 113133790

2601 Agriculture Dr

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WI 53707

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Fax Phone 608-224-6276

**Sample:**

Field #: SGP-2S

Sample #: IL007796

Collection Start: 09/19/2000

Collection End:

Collected by: JANISCH

Waterbody/Outfall Id:

ID #:

ID Point #:

County: Douglas

Account #: WT007

Sample Location: SUPERIOR GAS PLANT - SW END OF SLIP 0-0.74 FT

**Sample Description:**

Sample Source: SE

Sample Depth:

Date Reported: 11/08/2000

Sample Status: COMPLETE

Project No:

**Analyses and Results:**

Analysis Method		Analysis Date		Lab Comment			
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
1002	ARSENIC TOTAL	7440382	19.	MG/KG			
1028	CADMIUM	7440439	ND	MG/KG	.4	.4	1.2
1029	CHROMIUM	7440473	27.	MG/KG			
1042	COPPER TOTAL	7440508	*43.6	MG/KG			
1052	LEAD	7439921	*29.3	MG/KG			
71921	MERCURY	7439976	*0.18	MG/KG			
1068	NICKEL	7440020	17.	MG/KG			
61509	ZINC	7440666	*53.2	MG/KG			

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Lab: 113133790

Sample: IL007797

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**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
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Phone 800-442-4618 Fax Phone 608-224-6276

DNR ID 113133790

**Sample:**

Field #: SGP-2D	Sample #: IL007797
Collection Start: 09/19/2000	Collection End:
Collected by: JANISCH	Waterbody/Outfall Id:
ID #:	ID Point #:
County: Douglas	Account #: WT007
Sample Location: SUPERIOR GAS PLANT - SW END OF SLIP 0.74-1.45 FT	
Sample Description:	
Sample Source: SE	Sample Depth:
Date Reported: 11/08/2000	Sample Status: COMPLETE
Project No:	

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment				
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
1002	ARSENIC TOTAL	7440382	13.	MG/KG			
1028	CADMIUM	7440439	ND	MG/KG	.4	.4	1.2
1029	CHROMIUM	7440473	18.	MG/KG			
1042	COPPER TOTAL	7440508	*31.0	MG/KG			
1052	LEAD	7439921	*57.2	MG/KG			
71921	MERCURY	7439976	*0.56	MG/KG			
1068	NICKEL	7440020	11.	MG/KG			
61509	ZINC	7440666	*82.3	MG/KG			

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Sample: IL007798

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**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
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DNR ID 113133790

**Sample:**

Field #: SGP-3S	Sample #: IL007798
Collection Start: 09/19/2000	Collection End:
Collected by: JANISCH	Waterbody/Outfall Id:
ID #:	ID Point #:
County: Douglas	Account #: WT007
Sample Location: SUPERIOR GAS PLANT - SW END OF SLIP 0-0.725 FT	
Sample Description:	
Sample Source: SE	Sample Depth:
Date Reported: 11/08/2000	Sample Status: COMPLETE
Project No:	

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment				
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
1002	ARSENIC TOTAL	7440382	32.	MG/KG			
1028	CADMIUM	7440439	ND	MG/KG	.4	.4	1.2
1029	CHROMIUM	7440473	67.	MG/KG			
1042	COPPER TOTAL	7440508	*26.1	MG/KG			
1052	LEAD	7439921	*33.0	MG/KG			
71921	MERCURY	7439976	*0.051	MG/KG			
1068	NICKEL	7440020	20.	MG/KG			
61509	ZINC	7440666	*49.2	MG/KG			

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Lab: 113133790

Sample: IL007799

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**Laboratory:** Wisconsin State Laboratory of Hygiene  
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DNR ID 113133790

**Sample:**

Field #: SGP-3D	Sample #: IL007799
Collection Start: 09/19/2000	Collection End:
Collected by: JANISCH	Waterbody/Outfall Id:
ID #:	ID Point #:
County: Douglas	Account #: WT007
Sample Location: SUPERIOR GAS PLANT - SW END OF SLIP 0.725-1.95 FT	
Sample Description:	
Sample Source: SE	Sample Depth:
Date Reported: 11/08/2000	Sample Status: COMPLETE
Project No:	

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment				
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
1002	ARSENIC TOTAL	7440382	14.	MG/KG			
1028	CADMIUM	7440439	ND	MG/KG	.4	.4	1.2
1029	CHROMIUM	7440473	27.	MG/KG			
1042	COPPER TOTAL	7440508	*40.8	MG/KG			
1052	LEAD	7439921	*78.4	MG/KG			
71921	MERCURY	7439976	*0.20	MG/KG			
1068	NICKEL	7440020	9.	MG/KG			
61509	ZINC	7440666	*159	MG/KG			

**Wisconsin Department of Natural Resources  
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Lab: 113133790

Sample: IL007800

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**Laboratory:** Wisconsin State Laboratory of Hygiene DNR ID 113133790  
 2601 Agriculture Dr  
 Madison WI 53707  
 Phone 800-442-4618 Fax Phone 608-224-6276

**Sample:**

Field #: SGP-4S	Sample #: IL007800
Collection Start: 09/19/2000	Collection End:
Collected by: JANISCH	Waterbody/Outfall Id:
ID #:	ID Point #:
County: Douglas	Account #: WT007
Sample Location: SUPERIOR GAS PLANT - SW END OF SLIP 0-0.35 FT	
Sample Description:	
Sample Source: SE	Sample Depth:
Date Reported: 11/08/2000	Sample Status: COMPLETE
Project No:	

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment				
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
1002	ARSENIC TOTAL	7440382	7.	MG/KG	3	3	9
1028	CADMIUM	7440439	ND	MG/KG	.4	.4	1.2
1029	CHROMIUM	7440473	8.0	MG/KG			
1042	COPPER TOTAL	7440508	9.4	MG/KG			
1052	LEAD	7439921	8.	MG/KG			
71921	MERCURY	7439976	*0.31	MG/KG			
1068	NICKEL	7440020	6.	MG/KG			
61509	ZINC	7440666	26.	MG/KG			

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Lab: 113133790

Sample: IL007801

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**Laboratory:** Wisconsin State Laboratory of Hygiene

DNR ID 113133790

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Madison

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Phone 800-442-4618

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**Sample:**

Field #: SGP-4D

Sample #: IL007801

Collection Start: 09/19/2000

Collection End:

Collected by: JANISCH

Waterbody/Outfall Id:

ID #:

ID Point #:

County: Douglas

Account #: WT007

Sample Location: SUPERIOR GAS PLANT - SW END OF SLIP 0.35-1.35 FT

**Sample Description:**

Sample Source: SE

Sample Depth:

Date Reported: 11/08/2000

Sample Status: COMPLETE

Project No:

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment				
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
1002	ARSENIC TOTAL	7440382	14.	MG/KG			
1028	CADMIUM	7440439	0.6	MG/KG	.4	.4	1.2
1029	CHROMIUM	7440473	36.	MG/KG			
1042	COPPER TOTAL	7440508	58.	MG/KG			
1052	LEAD	7439921	110.	MG/KG			
71921	MERCURY	7439976	*1.0	MG/KG			
1068	NICKEL	7440020	15.	MG/KG			
61509	ZINC	7440666	180.	MG/KG			



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Lab: 113133790

Sample: IL007802

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**Laboratory:** Wisconsin State Laboratory of Hygiene

DNR ID 113133790

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**Sample:**

Field #: SGP-5S

Sample #: IL007802

Collection Start: 09/19/2000

Collection End:

Collected by: JANISCH

Waterbody/Outfall Id:

ID #:

ID Point #:

County: Douglas

Account #: WT007

Sample Location: SUPERIOR GAS PLANT - SW END OF SLIP 0-0.40

**Sample Description:**

Sample Source: SE

Sample Depth:

Date Reported: 11/08/2000

Sample Status: COMPLETE

Project No:

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment				
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
1002	ARSENIC TOTAL	7440382	13.	MG/KG			
1028	CADMIUM	7440439	ND	MG/KG	.4	.4	1.2
1029	CHROMIUM	7440473	13.	MG/KG			
1042	COPPER TOTAL	7440508	13.	MG/KG			
1052	LEAD	7439921	17.	MG/KG			
71921	MERCURY	7439976	*0.26	MG/KG			
1068	NICKEL	7440020	7.	MG/KG			
61509	ZINC	7440666	43.	MG/KG			

**Wisconsin Department of Natural Resources  
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Lab: 113133790

Sample: IL007803

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**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison WI 53707  
Phone 800-442-4618 Fax Phone 608-224-6276

DNR ID 113133790

**Sample:**

Field #: SGP-5D	Sample #: IL007803
Collection Start: 09/19/2000	Collection End:
Collected by: JANISCH	Waterbody/Outfall Id:
ID #:	ID Point #:
County: Douglas	Account #: WT007
Sample Location: SUPERIOR GAS PLANT - SW END OF SLIP 0.40-0.83 FT	
Sample Description:	
Sample Source: SE	Sample Depth:
Date Reported: 11/08/2000	Sample Status: COMPLETE
Project No:	

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment				
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
1002	ARSENIC TOTAL	7440382	8.	MG/KG	3	3	9
1028	CADMIUM	7440439	ND	MG/KG	.4	.4	1.2
1029	CHROMIUM	7440473	13.	MG/KG			
1042	COPPER TOTAL	7440508	21.	MG/KG			
1052	LEAD	7439921	37.	MG/KG			
71921	MERCURY	7439976	*0.34	MG/KG			
1068	NICKEL	7440020	9.	MG/KG			
61509	ZINC	7440666	67.	MG/KG			

**Wisconsin Department of Natural Resources  
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06/26/2001

Lab: 113133790

Sample: IL007804

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**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison WI 53707  
Phone 800-442-4618 Fax Phone 608-224-6276

DNR ID 113133790

**Sample:**

Field #: SGP-6S	Sample #: IL007804
Collection Start: 09/19/2000	Collection End:
Collected by: JANISCH	Waterbody/Outfall Id:
ID #:	ID Point #:
County: Douglas	Account #: WT007
Sample Location: SUPERIOR GAS PLANT - SW END OF SLIP 0.00-0.55 FT	
Sample Description:	
Sample Source: SE	Sample Depth:
Date Reported: 11/08/2000	Sample Status: COMPLETE
Project No:	

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment				
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
1002	ARSENIC TOTAL	7440382	9.	MG/KG	3	3	9
1028	CADMIUM	7440439	ND	MG/KG	.4	.4	1.2
1029	CHROMIUM	7440473	16.	MG/KG			
1042	COPPER TOTAL	7440508	28.	MG/KG			
1052	LEAD	7439921	61.	MG/KG			
71921	MERCURY	7439976	*0.64	MG/KG			
1068	NICKEL	7440020	11.	MG/KG			
61509	ZINC	7440666	88.	MG/KG			

**Wisconsin Department of Natural Resources  
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Lab: 113133790

Sample: IL007805

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**Laboratory:** Wisconsin State Laboratory of Hygiene

DNR ID 113133790

2601 Agriculture Dr

Madison

WI 53707

Phone 800-442-4618

Fax Phone 608-224-6276

**Sample:**

Field #: SGP-6D

Sample #: IL007805

Collection Start: 09/19/2000

Collection End:

Collected by: JANISCH

Waterbody/Outfall Id:

ID #:

ID Point #:

County: Douglas

Account #: WT007

Sample Location: SUPERIOR GAS PLANT - SW END OF SLIP 0.55-1.11 FT

**Sample Description:**

Sample Source: SE

Sample Depth:

Date Reported: 11/08/2000

Sample Status: COMPLETE

Project No:

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment				
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
1002	ARSENIC TOTAL	7440382	13.	MG/KG			
1028	CADMIUM	7440439	0.7	MG/KG	.4	.4	1.2
1029	CHROMIUM	7440473	15.	MG/KG			
1042	COPPER TOTAL	7440508	35.	MG/KG			
1052	LEAD	7439921	100.	MG/KG			
71921	MERCURY	7439976	*0.98	MG/KG			
1068	NICKEL	7440020	11.	MG/KG			
61509	ZINC	7440666	110.	MG/KG			

# Wisconsin Department of Natural Resources

## Laboratory Report

06/26/2001

Lab: 113133790

Sample: OL000611

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**Laboratory:** Wisconsin State Laboratory of Hygiene  
 2601 Agriculture Dr  
 Madison WI 53707  
 Phone 800-442-4618 Fax Phone 608-224-6276

DNR ID 113133790

**Sample:**

Field #: <b>SPG-1S</b>	Sample #: <b>OL000611</b>
Collection Start: <b>09/19/2000</b>	Collection End:
Collected by: <b>TOM JANISCH</b>	Waterbody/Outfall Id:
ID #: <b>16</b>	ID Point #:
County: <b>Douglas</b>	Account #: <b>RR019</b>
Sample Location: <b>SUPERIOR GAS PLANT</b>	
Sample Description: <b>SW END OF SLIP 0-0.575 FEET</b>	
Sample Source: <b>SE</b>	Sample Depth:
Date Reported: <b>10/19/2000</b>	Sample Status: <b>COMPLETE</b>
Project No:	

**Analyses and Results:**

Analysis Method	Analysis Date	Lab Comment
<i>Code Description</i>	<i>Cas No</i>	<i>Result Units LOD Report Limit LOQ</i>
61078 1-METHYLNAPHTHALENE		980. NG/G, WET
81696 1-METHYLNAPHTHALENE		1300. NG/G, DRY
78305 2-METHYLNAPHTHALENE	91576	490. NG/G, WET
78868 2-METHYLNAPHTHALENE	91576	650. NG/G, DRY
99167 3,6-DIMETHYLNAPHTHALENE (DRY WT)	582161	*E NG/G, DRY
34208 ACENAPHTHENE	83329	3600. NG/G, WET
78309 ACENAPHTHENE	83329	4700. NG/G, DRY
78347 ACENAPHTHYLENE	208968	*D <860. NG/G, WET
34203 ACENAPHTHYLENE	208968	*E NG/G, DRY
78348 ANTHRACENE	120127	5400. NG/G, WET
34223 ANTHRACENE	120127	7100. NG/G, DRY
78342 BENZO (A) ANTHRACENE	56553	11000. NG/G, WET
85755 BENZO (A) ANTHRACENE	56553	15000. NG/G, DRY
78343 BENZO (A) PYRENE	50328	11000. NG/G, WET
85754 BENZO (A) PYRENE	50328	14000. NG/G, DRY
78344 BENZO (B) FLUORANTHENE	205992	11000. NG/G, WET
34233 BENZO (B) FLUORANTHENE	205992	15000. NG/G, DRY
61075 BENZO (E) PYRENE	192972	6200. NG/G, WET
49743 BENZO (E) PYRENE	192972	8200. NG/G, DRY

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Lab: 113133790

Sample: OL000611

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Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
78349	BENZO (G H I) PERYLENE	191242	8800.	NG/G, WET			
78828	BENZO (G H I) PERYLENE	191242	12000.	NG/G, DRY			
78345	BENZO (K) FLUORANTHENE	207089	5600.	NG/G, WET			
34245	BENZO (K) FLUORANTHENE	207089	7400.	NG/G, DRY			
78346	CHRYSENE	218019	13000.	NG/G, WET			
34323	CHRYSENE	218019	17000.	NG/G, DRY			
78352	DIBENZO (A H) ANTHRACENE	53703	*I <1500.	NG/G, WET			
34559	DIBENZO (A H) ANTHRACENE	53703	*E	NG/G, DRY			
78323	FLUORANTHENE	206440	39000.	NG/G, WET			
34379	FLUORANTHENE	206440	52000.	NG/G, DRY			
78350	FLUORENE	86737	3900.	NG/G, WET			
34384	FLUORENE	86737	5100.	NG/G, DRY			
78353	INDENO (1,2,3-C D) PYRENE	193395	8300.	NG/G, WET			
34406	INDENO (1,2,3-C D) PYRENE	193395	11000.	NG/G, DRY			
78331	NAPHTHALENE	91203	2000.	NG/G, WET			
34445	NAPHTHALENE	91203	2700.	NG/G, DRY			
99166	PAH %		76.	%			
78351	PHENANTHRENE	85018	38000.	NG/G, WET			
34464	PHENANTHRENE	85018	50000.	NG/G, DRY			
78354	PYRENE	129000	33000.	NG/G, WET			
34472	PYRENE	129000	43000.	NG/G, DRY			
136	TEMPERATURE AT LAB		ICED				

~~303.42 ppm~~

281.01 ppm

DWT  
+ PAH

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Lab: 113133790

Sample: OL000612

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**Laboratory:** Wisconsin State Laboratory of Hygiene  
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DNR ID 113133790

**Sample:**

Field #: SGP-1D	Sample #: OL000612
Collection Start: 09/19/2000	Collection End:
Collected by: TOM JANISCH	Waterbody/Outfall Id:
ID #: 16	ID Point #:
County: Douglas	Account #: RR019
Sample Location: SUPERIOR GAS PLANT	
Sample Description: SW END OF SLIP 0.575-1.15 FT	
Sample Source: SE	Sample Depth:
Date Reported: 10/19/2000	Sample Status: COMPLETE
Project No:	

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment				
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
61078	1-METHYLNAPHTHALENE		480.	NG/G, WET			
81696	1-METHYLNAPHTHALENE		670.	NG/G, DRY			
78305	2-METHYLNAPHTHALENE	91576	150.	NG/G, WET			
78868	2-METHYLNAPHTHALENE	91576	210.	NG/G, DRY			
99167	3,6-DIMETHYLNAPHTHALENE (DRY WT)	582161	*E	NG/G, DRY			
34208	ACENAPHTHENE	83329	880.	NG/G, WET			
78309	ACENAPHTHENE	83329	1200.	NG/G, DRY			
78347	ACENAPHTHYLENE	208968	*D <79.	NG/G, WET			
34203	ACENAPHTHYLENE	208968	*E	NG/G, DRY			
78348	ANTHRACENE	120127	740.	NG/G, WET			
34223	ANTHRACENE	120127	1000.	NG/G, DRY			
78342	BENZO (A) ANTHRACENE	56553	1000.	NG/G, WET			
85755	BENZO (A) ANTHRACENE	56553	1400.	NG/G, DRY			
78343	BENZO (A) PYRENE	50328	970.	NG/G, WET			
85754	BENZO (A) PYRENE	50328	1400.	NG/G, DRY			
78344	BENZO (B) FLUORANTHENE	205992	800.	NG/G, WET			
34233	BENZO (B) FLUORANTHENE	205992	1100.	NG/G, DRY			
61075	BENZO (E) PYRENE	192972	540.	NG/G, WET			
49743	BENZO (E) PYRENE	192972	750.	NG/G, DRY			

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Sample: OL000612

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Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
78349	BENZO (G H I) PERYLENE	191242	620.	NG/G, WET			
78828	BENZO (G H I) PERYLENE	191242	870.	NG/G, DRY			
78345	BENZO (K) FLUORANTHENE	207089	460.	NG/G, WET			
34245	BENZO (K) FLUORANTHENE	207089	640.	NG/G, DRY			
78346	CHRYSENE	218019	*I <1500.	NG/G, WET			
34323	CHRYSENE	218019	*E	NG/G, DRY			
78352	DIBENZO (A H) ANTHRACENE	53703	*I <130.	NG/G, WET			
34559	DIBENZO (A H) ANTHRACENE	53703	*E	NG/G, DRY			
78323	FLUORANTHENE	206440	2300.	NG/G, WET			
34379	FLUORANTHENE	206440	3200.	NG/G, DRY			
78350	FLUORENE	86737	480.	NG/G, WET			
34384	FLUORENE	86737	670.	NG/G, DRY			
78353	INDENO (1,2,3-C D) PYRENE	193395	570.	NG/G, WET			
34406	INDENO (1,2,3-C D) PYRENE	193395	800.	NG/G, DRY			
78331	NAPHTHALENE	91203	310.	NG/G, WET			
34445	NAPHTHALENE	91203	430.	NG/G, DRY			
99166	PAH %		72.	%			
78351	PHENANTHRENE	85018	2800.	NG/G, WET			
34464	PHENANTHRENE	85018	3900.	NG/G, DRY			
78354	PYRENE	129000	2400.	NG/G, WET			
34472	PYRENE	129000	3400.	NG/G, DRY			
136	TEMPERATURE AT LAB		ICED				

24.64 ppm  
TPAH



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Lab: 113133790

Sample: OL000613

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**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison WI 53707  
Phone 800-442-4618 Fax Phone 608-224-6276

DNR ID 113133790

**Sample:**

Field #: SGP-2S  
Collection Start: 09/19/2000  
Collected by: TOM JANISCH  
ID #: 16  
County: Douglas  
Sample Location: SUPERIOR GAS PLANT  
Sample Description: SW END OF SLIP 0-0.74 FT  
Sample Source: SE  
Date Reported: 10/19/2000  
Project No:

Sample #: OL000613  
Collection End:  
Waterbody/Outfall Id:  
ID Point #:  
Account #: RR019  
Sample Depth:  
Sample Status: COMPLETE

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment				
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
61078	1-METHYLNAPHTHALENE		360.	NG/G, WET			
81696	1-METHYLNAPHTHALENE		450.	NG/G, DRY			
78305	2-METHYLNAPHTHALENE	91576	140.	NG/G, WET			
78868	2-METHYLNAPHTHALENE	91576	180.	NG/G, DRY			
99167	3,6-DIMETHYLNAPHTHALENE (DRY WT)	582161	*E	NG/G, DRY			
34208	ACENAPHTHENE	83329	740.	NG/G, WET			
78309	ACENAPHTHENE	83329	930.	NG/G, DRY			
78347	ACENAPHTHYLENE	208968	*D <86.	NG/G, WET			
34203	ACENAPHTHYLENE	208968	*E	NG/G, DRY			
78348	ANTHRACENE	120127	710.	NG/G, WET			
34223	ANTHRACENE	120127	900.	NG/G, DRY			
78342	BENZO (A) ANTHRACENE	56553	790.	NG/G, WET			
85755	BENZO (A) ANTHRACENE	56553	1000.	NG/G, DRY			
78343	BENZO (A) PYRENE	50328	760.	NG/G, WET			
85754	BENZO (A) PYRENE	50328	960.	NG/G, DRY			
78344	BENZO (B) FLUORANTHENE	205992	580.	NG/G, WET			
34233	BENZO (B) FLUORANTHENE	205992	730.	NG/G, DRY			
61075	BENZO (E) PYRENE	192972	*I <1000.	NG/G, WET			
49743	BENZO (E) PYRENE	192972	*E	NG/G, DRY			

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06/26/2001

Lab: 113133790

Sample: OL000613

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<i>Code</i>	<i>Description</i>	<i>Cas No</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
78349	BENZO (G H I) PERYLENE	191242	490.	NG/G, WET			
78828	BENZO (G H I) PERYLENE	191242	620.	NG/G, DRY			
78345	BENZO (K) FLUORANTHENE	207089	340.	NG/G, WET			
34245	BENZO (K) FLUORANTHENE	207089	430.	NG/G, DRY			
78346	CHRYSENE	218019	790.	NG/G, WET			
34323	CHRYSENE	218019	990.	NG/G, DRY			
78352	DIBENZO (A H) ANTHRACENE	53703	*I <110.	NG/G, WET			
34559	DIBENZO (A H) ANTHRACENE	53703	*E	NG/G, DRY			
78323	FLUORANTHENE	206440	1900.	NG/G, WET			
34379	FLUORANTHENE	206440	2300.	NG/G, DRY			
78350	FLUORENE	86737	470.	NG/G, WET			
34384	FLUORENE	86737	600.	NG/G, DRY			
78353	INDENO (1,2,3-C D) PYRENE	193395	430.	NG/G, WET			
34406	INDENO (1,2,3-C D) PYRENE	193395	540.	NG/G, DRY			
78331	NAPHTHALENE	91203	330.	NG/G, WET			
34445	NAPHTHALENE	91203	410.	NG/G, DRY			
99166	PAH %		79.	%			
78351	PHENANTHRENE	85018	2600.	NG/G, WET			
34464	PHENANTHRENE	85018	3300.	NG/G, DRY			
78354	PYRENE	129000	2100.	NG/G, WET			
34472	PYRENE	129000	2600.	NG/G, DRY			
136	TEMPERATURE AT LAB			ICED			

19.87 PPW

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Lab: 113133790

Sample: OL000614

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**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison WI 53707  
Phone 800-442-4618 Fax Phone 608-224-6276

DNR ID 113133790

**Sample:**

Field #: SGP-2D	Sample #: OL000614
Collection Start: 09/19/2000	Collection End:
Collected by: TOM JANISCH	Waterbody/Outfall Id:
ID #: 16	ID Point #:
County: Douglas	Account #: RR019
Sample Location: SUPERIOR GAS PLANT	
Sample Description: SW END OF SLIP 0.74-1.45 FEET	
Sample Source: SE	Sample Depth:
Date Reported: 10/19/2000	Sample Status: COMPLETE
Project No:	

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment				
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
61078	1-METHYLNAPHTHALENE		1200.	NG/G, WET			
81696	1-METHYLNAPHTHALENE		1700.	NG/G, DRY			
78305	2-METHYLNAPHTHALENE	91576	860.	NG/G, WET			
78868	2-METHYLNAPHTHALENE	91576	1200.	NG/G, DRY			
99167	3,6-DIMETHYLNAPHTHALENE (DRY WT)	582161	*E	NG/G, DRY			
34208	ACENAPHTHENE	83329	4200.	NG/G, WET			
78309	ACENAPHTHENE	83329	5700.	NG/G, DRY			
78347	ACENAPHTHYLENE	208968	*D <1100.	NG/G, WET			
34203	ACENAPHTHYLENE	208968	*E	NG/G, DRY			
78348	ANTHRACENE	120127	3900.	NG/G, WET			
34223	ANTHRACENE	120127	5300.	NG/G, DRY			
78342	BENZO (A) ANTHRACENE	56553	10000.	NG/G, WET			
85755	BENZO (A) ANTHRACENE	56553	14000.	NG/G, DRY			
78343	BENZO (A) PYRENE	50328	9400.	NG/G, WET			
85754	BENZO (A) PYRENE	50328	13000.	NG/G, DRY			
78344	BENZO (B) FLUORANTHENE	205992	8700.	NG/G, WET			
34233	BENZO (B) FLUORANTHENE	205992	12000.	NG/G, DRY			
61075	BENZO (E) PYRENE	192972	4600.	NG/G, WET			
49743	BENZO (E) PYRENE	192972	6200.	NG/G, DRY			

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Lab: 113133790

Sample: OL000614

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<i>Code</i>	<i>Description</i>	<i>Cas No</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
78349	BENZO (G H I) PERYLENE	191242	6100.	NG/G, WET			
78828	BENZO (G H I) PERYLENE	191242	8300.	NG/G, DRY			
78345	BENZO (K) FLUORANTHENE	207089	5000.	NG/G, WET			
34245	BENZO (K) FLUORANTHENE	207089	6900.	NG/G, DRY			
78346	CHRYSENE	218019	11000.	NG/G, WET			
34323	CHRYSENE	218019	15000.	NG/G, DRY			
78352	DIBENZO (A H) ANTHRACENE	53703	*I <1500.	NG/G, WET			
34559	DIBENZO (A H) ANTHRACENE	53703	*E	NG/G, DRY			
78323	FLUORANTHENE	206440	33000.	NG/G, WET			
34379	FLUORANTHENE	206440	45000.	NG/G, DRY			
78350	FLUORENE	86737	6500.	NG/G, WET			
34384	FLUORENE	86737	8900.	NG/G, DRY			
78353	INDENO (1,2,3-C D) PYRENE	193395	5900.	NG/G, WET			
34406	INDENO (1,2,3-C D) PYRENE	193395	8100.	NG/G, DRY			
78331	NAPHTHALENE	91203	2800.	NG/G, WET			
34445	NAPHTHALENE	91203	3800.	NG/G, DRY			
99166	PAH %		73.	%			
78351	PHENANTHRENE	85018	42000.	NG/G, WET			
34464	PHENANTHRENE	85018	57000.	NG/G, DRY			
78354	PYRENE	129000	27000.	NG/G, WET			
34472	PYRENE	129000	37000.	NG/G, DRY			
136	TEMPERATURE AT LAB		ICED				

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Lab: 113133790

Sample: OL000615

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**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison WI 53707  
Phone 800-442-4618 Fax Phone 608-224-6276

DNR ID 113133790

**Sample:**

Field #: SGP-3S	Sample #: OL000615
Collection Start: 09/19/2000	Collection End:
Collected by: TOM JANISCH	Waterbody/Outfall Id:
ID #: 16	ID Point #:
County: Douglas	Account #: RR019
Sample Location: SUPERIOR GAS PLANT	
Sample Description: SW END OF SLIP 0-0.725 FT	
Sample Source: SE	Sample Depth:
Date Reported: 10/19/2000	Sample Status: COMPLETE
Project No:	

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment				
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
61078	1-METHYLNAPHTHALENE		18000.	NG/G, WET			
81696	1-METHYLNAPHTHALENE		25000.	NG/G, DRY			
78305	2-METHYLNAPHTHALENE	91576	22000.	NG/G, WET			
78868	2-METHYLNAPHTHALENE	91576	31000.	NG/G, DRY			
99167	3,6-DIMETHYLNAPHTHALENE (DRY WT)	582161	*E	NG/G, DRY			
34208	ACENAPHTHENE	83329	12000.	NG/G, WET			
78309	ACENAPHTHENE	83329	16000.	NG/G, DRY			
78347	ACENAPHTHYLENE	208968	4000.	NG/G, WET			
34203	ACENAPHTHYLENE	208968	5700.	NG/G, DRY			
78348	ANTHRACENE	120127	10000.	NG/G, WET			
34223	ANTHRACENE	120127	15000.	NG/G, DRY			
78342	BENZO (A) ANTHRACENE	56553	8500.	NG/G, WET			
85755	BENZO (A) ANTHRACENE	56553	12000.	NG/G, DRY			
78343	BENZO (A) PYRENE	50328	8500.	NG/G, WET			
85754	BENZO (A) PYRENE	50328	12000.	NG/G, DRY			
78344	BENZO (B) FLUORANTHENE	205992	5200.	NG/G, WET			
34233	BENZO (B) FLUORANTHENE	205992	7400.	NG/G, DRY			
61075	BENZO (E) PYRENE	192972	*I <12000.	NG/G, WET			
49743	BENZO (E) PYRENE	192972	*E	NG/G, DRY			

**Wisconsin Department of Natural Resources  
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Lab: 113133790

Sample: OL000615

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<i>Code</i>	<i>Description</i>	<i>Cas No</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
78349	BENZO (G H I) PERYLENE	191242	5200.	NG/G, WET			
78828	BENZO (G H I) PERYLENE	191242	7400.	NG/G, DRY			
78345	BENZO (K) FLUORANTHENE	207089	3500.	NG/G, WET			
34245	BENZO (K) FLUORANTHENE	207089	5000.	NG/G, DRY			
78346	CHRYSENE	218019	8200.	NG/G, WET			
34323	CHRYSENE	218019	12000.	NG/G, DRY			
78352	DIBENZO (A H) ANTHRACENE	53703	*I <1200.	NG/G, WET			
34559	DIBENZO (A H) ANTHRACENE	53703	*E	NG/G, DRY			
78323	FLUORANTHENE	206440	16000.	NG/G, WET			
34379	FLUORANTHENE	206440	23000.	NG/G, DRY			
78350	FLUORENE	86737	9400.	NG/G, WET			
34384	FLUORENE	86737	13000.	NG/G, DRY			
78353	INDENO (1,2,3-C D) PYRENE	193395	4600.	NG/G, WET			
34406	INDENO (1,2,3-C D) PYRENE	193395	6500.	NG/G, DRY			
78331	NAPHTHALENE	91203	53000.	NG/G, WET			
34445	NAPHTHALENE	91203	76000.	NG/G, DRY			
99166	PAH %		70.	%			
78351	PHENANTHRENE	85018	38000.	NG/G, WET			
34464	PHENANTHRENE	85018	54000.	NG/G, DRY			
78354	PYRENE	129000	25000.	NG/G, WET			
34472	PYRENE	129000	35000.	NG/G, DRY			
136	TEMPERATURE AT LAB		ICED				

**Wisconsin Department of Natural Resources  
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Lab: 113133790

Sample: OL000616

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**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison WI 53707  
Phone 800-442-4618 Fax Phone 608-224-6276

DNR ID 113133790

**Sample:**

Field #: SGP-3D  
Collection Start: 09/19/2000  
Collected by: TOM JANISCH  
ID #: 16  
County: Douglas  
Sample Location: SUPERIOR GAS PLANT  
Sample Description: SW END OF SLIP 0.725-1.95 FT.  
Sample Source: SE  
Date Reported: 10/19/2000  
Project No:

Sample #: OL000616  
Collection End:  
Waterbody/Outfall Id:  
ID Point #:  
Account #: RR019

Sample Depth:  
Sample Status: COMPLETE

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment				
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
61078	1-METHYLNAPHTHALENE		6800.	NG/G, WET			
81696	1-METHYLNAPHTHALENE		8800.	NG/G, DRY			
78305	2-METHYLNAPHTHALENE	91576	4600.	NG/G, WET			
78868	2-METHYLNAPHTHALENE	91576	5900.	NG/G, DRY			
99167	3,6-DIMETHYLNAPHTHALENE (DRY WT)	582161	*E	NG/G, DRY			
34208	ACENAPHTHENE	83329	6000.	NG/G, WET			
78309	ACENAPHTHENE	83329	7700.	NG/G, DRY			
78347	ACENAPHTHYLENE	208968	1200.	NG/G, WET			
34203	ACENAPHTHYLENE	208968	1600.	NG/G, DRY			
78348	ANTHRACENE	120127	5300.	NG/G, WET			
34223	ANTHRACENE	120127	6800.	NG/G, DRY			
78342	BENZO (A) ANTHRACENE	56553	6800.	NG/G, WET			
85755	BENZO (A) ANTHRACENE	56553	8700.	NG/G, DRY			
78343	BENZO (A) PYRENE	50328	6800.	NG/G, WET			
85754	BENZO (A) PYRENE	50328	8700.	NG/G, DRY			
78344	BENZO (B) FLUORANTHENE	205992	5600.	NG/G, WET			
34233	BENZO (B) FLUORANTHENE	205992	7200.	NG/G, DRY			
61075	BENZO (E) PYRENE	192972	3800.	NG/G, WET			
49743	BENZO (E) PYRENE	192972	4900.	NG/G, DRY			

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Lab: 113133790

Sample: OL000616

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<i>Code</i>	<i>Description</i>	<i>Cas No</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
78349	BENZO (G H I) PERYLENE	191242	4600.	NG/G, WET			
78828	BENZO (G H I) PERYLENE	191242	5800.	NG/G, DRY			
78345	BENZO (K) FLUORANTHENE	207089	3200.	NG/G, WET			
34245	BENZO (K) FLUORANTHENE	207089	4100.	NG/G, DRY			
78346	CHRYSENE	218019	7400.	NG/G, WET			
34323	CHRYSENE	218019	9500.	NG/G, DRY			
78352	DIBENZO (A H) ANTHRACENE	53703	*I <900.	NG/G, WET			
34559	DIBENZO (A H) ANTHRACENE	53703	*E	NG/G, DRY			
78323	FLUORANTHENE	206440	17000.	NG/G, WET			
34379	FLUORANTHENE	206440	21000.	NG/G, DRY			
78350	FLUORENE	86737	4900.	NG/G, WET			
34384	FLUORENE	86737	6200.	NG/G, DRY			
78353	INDENO (1,2,3-C D) PYRENE	193395	4200.	NG/G, WET			
34406	INDENO (1,2,3-C D) PYRENE	193395	5400.	NG/G, DRY			
78331	NAPHTHALENE	91203	20000.	NG/G, WET			
34445	NAPHTHALENE	91203	26000.	NG/G, DRY			
99166	PAH %		78.	%			
78351	PHENANTHRENE	85018	24000.	NG/G, WET			
34464	PHENANTHRENE	85018	31000.	NG/G, DRY			
78354	PYRENE	129000	18000.	NG/G, WET			
34472	PYRENE	129000	23000.	NG/G, DRY			
136	TEMPERATURE AT LAB		ICED				



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Lab: 113133790

Sample: OL000617

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**Laboratory:** Wisconsin State Laboratory of Hygiene

DNR ID 113133790

2601 Agriculture Dr

Madison

WI 53707

Phone 800-442-4618

Fax Phone 608-224-6276

**Sample:**

Field #: SGP-4S

Sample #: OL000617

Collection Start: 09/19/2000

Collection End:

Collected by: TOM JANISCH

Waterbody/Outfall Id:

ID #: 16

ID Point #:

County: Douglas

Account #: RR019

Sample Location: SUPERIOR GAS PLANT

Sample Description: SW END OF SLIP 0-0.35 FEET

Sample Source: SE

Sample Depth:

Date Reported: 10/19/2000

Sample Status: COMPLETE

Project No:

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment				
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
61078	1-METHYLNAPHTHALENE		280.	NG/G, WET			
81696	1-METHYLNAPHTHALENE		370.	NG/G, DRY			
78305	2-METHYLNAPHTHALENE	91576	160.	NG/G, WET			
78868	2-METHYLNAPHTHALENE	91576	200.	NG/G, DRY			
99167	3,6-DIMETHYLNAPHTHALENE (DRY WT)	582161	*E	NG/G, DRY			
34208	ACENAPHTHENE	83329	590.	NG/G, WET			
78309	ACENAPHTHENE	83329	770.	NG/G, DRY			
78347	ACENAPHTHYLENE	208968	*D <15.	NG/G, WET			
34203	ACENAPHTHYLENE	208968	*E	NG/G, DRY			
78348	ANTHRACENE	120127	470.	NG/G, WET			
34223	ANTHRACENE	120127	610.	NG/G, DRY			
78342	BENZO (A) ANTHRACENE	56553	610.	NG/G, WET			
85755	BENZO (A) ANTHRACENE	56553	790.	NG/G, DRY			
78343	BENZO (A) PYRENE	50328	590.	NG/G, WET			
85754	BENZO (A) PYRENE	50328	760.	NG/G, DRY			
78344	BENZO (B) FLUORANTHENE	205992	*I <450.	NG/G, WET			
34233	BENZO (B) FLUORANTHENE	205992	*E	NG/G, DRY			
61075	BENZO (E) PYRENE	192972	320.	NG/G, WET			
49743	BENZO (E) PYRENE	192972	410.	NG/G, DRY			

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Lab: 113133790

Sample: OL000617

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<i>Code</i>	<i>Description</i>	<i>Cas No</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
78349	BENZO (G H I) PERYLENE	191242	350.	NG/G, WET			
78828	BENZO (G H I) PERYLENE	191242	450.	NG/G, DRY			
78345	BENZO (K) FLUORANTHENE	207089	230.	NG/G, WET			
34245	BENZO (K) FLUORANTHENE	207089	300.	NG/G, DRY			
78346	CHRYSENE	218019	590.	NG/G, WET			
34323	CHRYSENE	218019	760.	NG/G, DRY			
78352	DIBENZO (A H) ANTHRACENE	53703	*I <70.	NG/G, WET			
34559	DIBENZO (A H) ANTHRACENE	53703	*E	NG/G, DRY			
78323	FLUORANTHENE	206440	1100.	NG/G, WET			
34379	FLUORANTHENE	206440	1400.	NG/G, DRY			
78350	FLUORENE	86737	300.	NG/G, WET			
34384	FLUORENE	86737	380.	NG/G, DRY			
78353	INDENO (1,2,3-C D) PYRENE	193395	*I <350.	NG/G, WET			
34406	INDENO (1,2,3-C D) PYRENE	193395	*E	NG/G, DRY			
78331	NAPHTHALENE	91203	290.	NG/G, WET			
34445	NAPHTHALENE	91203	370.	NG/G, DRY			
99166	PAH %		77.	%			
78351	PHENANTHRENE	85018	1600.	NG/G, WET			
34464	PHENANTHRENE	85018	2100.	NG/G, DRY			
78354	PYRENE	129000	1600.	NG/G, WET			
34472	PYRENE	129000	2000.	NG/G, DRY			
136	TEMPERATURE AT LAB		ICED				

**Wisconsin Department of Natural Resources  
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06/26/2001

Lab: 113133790

Sample: OL000618

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**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison WI 53707  
Phone 800-442-4618 Fax Phone 608-224-6276

DNR ID 113133790

**Sample:**

Field #: SGP-4D	Sample #: OL000618
Collection Start: 09/19/2000	Collection End:
Collected by: TOM JANISCH	Waterbody/Outfall Id:
ID #: 16	ID Point #:
County: Douglas	Account #: RR019
Sample Location: SUPERIOR GAS PLANT	
Sample Description: SW END OF SLIP 0.35-1.35 FEET	
Sample Source: SE	Sample Depth:
Date Reported: 10/19/2000	Sample Status: COMPLETE
Project No:	

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment				
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
61078	1-METHYLNAPHTHALENE		530.	NG/G, WET			
81696	1-METHYLNAPHTHALENE		820.	NG/G, DRY			
78305	2-METHYLNAPHTHALENE	91576	290.	NG/G, WET			
78868	2-METHYLNAPHTHALENE	91576	450.	NG/G, DRY			
99167	3,6-DIMETHYLNAPHTHALENE (DRY WT)	582161	*E	NG/G, DRY			
34208	ACENAPHTHENE	83329	1300.	NG/G, WET			
78309	ACENAPHTHENE	83329	2000.	NG/G, DRY			
78347	ACENAPHTHYLENE	208968	*D <290.	NG/G, WET			
34203	ACENAPHTHYLENE	208968	*E	NG/G, DRY			
78348	ANTHRACENE	120127	1200.	NG/G, WET			
34223	ANTHRACENE	120127	1900.	NG/G, DRY			
78342	BENZO (A) ANTHRACENE	56553	3700.	NG/G, WET			
85755	BENZO (A) ANTHRACENE	56553	5800.	NG/G, DRY			
78343	BENZO (A) PYRENE	50328	3400.	NG/G, WET			
85754	BENZO (A) PYRENE	50328	5300.	NG/G, DRY			
78344	BENZO (B) FLUORANTHENE	205992	2500.	NG/G, WET			
34233	BENZO (B) FLUORANTHENE	205992	3900.	NG/G, DRY			
61075	BENZO (E) PYRENE	192972	1800.	NG/G, WET			
49743	BENZO (E) PYRENE	192972	2800.	NG/G, DRY			

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Lab: 113133790

Sample: OL000618

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Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
78349	BENZO (G H I) PERYLENE	191242	2400.	NG/G, WET			
78828	BENZO (G H I) PERYLENE	191242	3700.	NG/G, DRY			
78345	BENZO (K) FLUORANTHENE	207089	1900.	NG/G, WET			
34245	BENZO (K) FLUORANTHENE	207089	2900.	NG/G, DRY			
78346	CHRYSENE	218019	4300.	NG/G, WET			
34323	CHRYSENE	218019	6600.	NG/G, DRY			
78352	DIBENZO (A H) ANTHRACENE	53703	*I <550.	NG/G, WET			
34559	DIBENZO (A H) ANTHRACENE	53703	*E	NG/G, DRY			
78323	FLUORANTHENE	206440	11000.	NG/G, WET			
34379	FLUORANTHENE	206440	17000.	NG/G, DRY			
78350	FLUORENE	86737	1600.	NG/G, WET			
34384	FLUORENE	86737	2400.	NG/G, DRY			
78353	INDENO (1,2,3-C D) PYRENE	193395	*I <3300.	NG/G, WET			
34406	INDENO (1,2,3-C D) PYRENE	193395	*E	NG/G, DRY			
78331	NAPHTHALENE	91203	490.	NG/G, WET			
34445	NAPHTHALENE	91203	760.	NG/G, DRY			
99166	PAH %		65.	%			
78351	PHENANTHRENE	85018	11000.	NG/G, WET			
34464	PHENANTHRENE	85018	17000.	NG/G, DRY			
78354	PYRENE	129000	9100.	NG/G, WET			
34472	PYRENE	129000	14000.	NG/G, DRY			
136	TEMPERATURE AT LAB		ICED				

87.33 ppm  
DWT  
Σ PAHs

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Lab: 113133790

Sample: OL000619

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**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison WI 53707  
Phone 800-442-4618 Fax Phone 608-224-6276

DNR ID 113133790

**Sample:**

Field #: SGP-5S  
Collection Start: 09/19/2000  
Collected by: TOM JANISCH  
ID #: 16  
County: Douglas  
Sample Location: SUPERIOR GAS PLANT  
Sample Description: SW END OF SLIP 0-0.40 FT  
Sample Source: SE  
Date Reported: 10/19/2000  
Project No:

Sample #: OL000619  
Collection End:  
Waterbody/Outfall Id:  
ID Point #:  
Account #: RR019  
Sample Depth:  
Sample Status: COMPLETE

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment				
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
61078	1-METHYLNAPHTHALENE		46.	NG/G, WET			
81696	1-METHYLNAPHTHALENE		66.	NG/G, DRY			
78305	2-METHYLNAPHTHALENE	91576	71.	NG/G, WET			
78868	2-METHYLNAPHTHALENE	91576	100.	NG/G, DRY			
99167	3,6-DIMETHYLNAPHTHALENE (DRY WT)	582161	*E	NG/G, DRY			
34208	ACENAPHTHENE	83329	92.	NG/G, WET			
78309	ACENAPHTHENE	83329	130.	NG/G, DRY			
78347	ACENAPHTHYLENE	208968	ND	NG/G, WET			
34203	ACENAPHTHYLENE	208968	*E	NG/G, DRY			
78348	ANTHRACENE	120127	120.	NG/G, WET			
34223	ANTHRACENE	120127	180.	NG/G, DRY			
78342	BENZO (A) ANTHRACENE	56553	450.	NG/G, WET			
85755	BENZO (A) ANTHRACENE	56553	660.	NG/G, DRY			
78343	BENZO (A) PYRENE	50328	490.	NG/G, WET			
85754	BENZO (A) PYRENE	50328	700.	NG/G, DRY			
78344	BENZO (B) FLUORANTHENE	205992	420.	NG/G, WET			
34233	BENZO (B) FLUORANTHENE	205992	610.	NG/G, DRY			
61075	BENZO (E) PYRENE	192972	260.	NG/G, WET			
49743	BENZO (E) PYRENE	192972	380.	NG/G, DRY			

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Lab: 113133790

Sample: OL000619

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<i>Code</i>	<i>Description</i>	<i>Cas No</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
78349	BENZO (G H I) PERYLENE	191242	330.	NG/G, WET			
78828	BENZO (G H I) PERYLENE	191242	480.	NG/G, DRY			
78345	BENZO (K) FLUORANTHENE	207089	230.	NG/G, WET			
34245	BENZO (K) FLUORANTHENE	207089	330.	NG/G, DRY			
78346	CHRYSENE	218019	490.	NG/G, WET			
34323	CHRYSENE	218019	700.	NG/G, DRY			
78352	DIBENZO (A H) ANTHRACENE	53703	*I <70.	NG/G, WET			
34559	DIBENZO (A H) ANTHRACENE	53703	*E	NG/G, DRY			
78323	FLUORANTHENE	206440	1000.	NG/G, WET			
34379	FLUORANTHENE	206440	1500.	NG/G, DRY			
78350	FLUORENE	86737	87.	NG/G, WET			
34384	FLUORENE	86737	130.	NG/G, DRY			
78353	INDENO (1,2,3-C D) PYRENE	193395	*I <400.	NG/G, WET			
34406	INDENO (1,2,3-C D) PYRENE	193395	*E	NG/G, DRY			
78331	NAPHTHALENE	91203	92.	NG/G, WET			
34445	NAPHTHALENE	91203	130.	NG/G, DRY			
99166	PAH %		69.	%			
78351	PHENANTHRENE	85018	470.	NG/G, WET			
34464	PHENANTHRENE	85018	680.	NG/G, DRY			
78354	PYRENE	129000	1100.	NG/G, WET			
34472	PYRENE	129000	1500.	NG/G, DRY			
136	TEMPERATURE AT LAB		ICED				

**Wisconsin Department of Natural Resources  
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Lab: 113133790

Sample: OL000620

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**Laboratory:** Wisconsin State Laboratory of Hygiene

DNR ID 113133790

2601 Agriculture Dr

Madison

WI 53707

Phone 800-442-4618

Fax Phone 608-224-6276

**Sample:**

Field #: SGP-5D

Sample #: OL000620

Collection Start: 09/19/2000

Collection End:

Collected by: TOM JANISCH

Waterbody/Outfall Id:

ID #: 16

ID Point #:

County: Douglas

Account #: RR019

Sample Location: SUPERIOR GAS PLANT

Sample Description: SW END OF SLIP 0.40-0.83 FEET

Sample Source: SE

Sample Depth:

Date Reported: 10/19/2000

Sample Status: COMPLETE

Project No:

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment				
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
61078	1-METHYLNAPHTHALENE		99.	NG/G, WET			
81696	1-METHYLNAPHTHALENE		140.	NG/G, DRY			
78305	2-METHYLNAPHTHALENE	91576	150.	NG/G, WET			
78868	2-METHYLNAPHTHALENE	91576	200.	NG/G, DRY			
99167	3,6-DIMETHYLNAPHTHALENE (DRY WT)	582161	*E	NG/G, DRY			
34208	ACENAPHTHENE	83329	170.	NG/G, WET			
78309	ACENAPHTHENE	83329	240.	NG/G, DRY			
78347	ACENAPHTHYLENE	208968	ND	NG/G, WET			
34203	ACENAPHTHYLENE	208968	*E	NG/G, DRY			
78348	ANTHRACENE	120127	160.	NG/G, WET			
34223	ANTHRACENE	120127	230.	NG/G, DRY			
78342	BENZO (A) ANTHRACENE	56553	480.	NG/G, WET			
85755	BENZO (A) ANTHRACENE	56553	680.	NG/G, DRY			
78343	BENZO (A) PYRENE	50328	520.	NG/G, WET			
85754	BENZO (A) PYRENE	50328	730.	NG/G, DRY			
78344	BENZO (B) FLUORANTHENE	205992	500.	NG/G, WET			
34233	BENZO (B) FLUORANTHENE	205992	700.	NG/G, DRY			
61075	BENZO (E) PYRENE	192972	290.	NG/G, WET			
49743	BENZO (E) PYRENE	192972	400.	NG/G, DRY			

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Lab: 113133790

Sample: OL000620

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Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
78349	BENZO (G H I) PERYLENE	191242	360.	NG/G, WET			
78828	BENZO (G H I) PERYLENE	191242	510.	NG/G, DRY			
78345	BENZO (K) FLUORANTHENE	207089	270.	NG/G, WET			
34245	BENZO (K) FLUORANTHENE	207089	370.	NG/G, DRY			
78346	CHRYSENE	218019	580.	NG/G, WET			
34323	CHRYSENE	218019	810.	NG/G, DRY			
78352	DIBENZO (A H) ANTHRACENE	53703	*I <70.	NG/G, WET			
34559	DIBENZO (A H) ANTHRACENE	53703	*E	NG/G, DRY			
78323	FLUORANTHENE	206440	1200.	NG/G, WET			
34379	FLUORANTHENE	206440	1700.	NG/G, DRY			
78350	FLUORENE	86737	200.	NG/G, WET			
34384	FLUORENE	86737	280.	NG/G, DRY			
78353	INDENO (1,2,3-C D) PYRENE	193395	*I <600.	NG/G, WET			
34406	INDENO (1,2,3-C D) PYRENE	193395	*E	NG/G, DRY			
78331	NAPHTHALENE	91203	150.	NG/G, WET			
34445	NAPHTHALENE	91203	210.	NG/G, DRY			
99166	PAH %		71.	%			
78351	PHENANTHRENE	85018	730.	NG/G, WET			
34464	PHENANTHRENE	85018	1000.	NG/G, DRY			
78354	PYRENE	129000	1200.	NG/G, WET			
34472	PYRENE	129000	1600.	NG/G, DRY			
136	TEMPERATURE AT LAB		ICED				

9.80 ppm  
dwt  
+ PAHs



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Lab: 113133790

Sample: OL000621

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<i>Code</i>	<i>Description</i>	<i>Cas No</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
78349	BENZO (G H I) PERYLENE	191242	320.	NG/G, WET			
78828	BENZO (G H I) PERYLENE	191242	430.	NG/G, DRY			
78345	BENZO (K) FLUORANTHENE	207089	240.	NG/G, WET			
34245	BENZO (K) FLUORANTHENE	207089	320.	NG/G, DRY			
78346	CHRYSENE	218019	470.	NG/G, WET			
34323	CHRYSENE	218019	650.	NG/G, DRY			
78352	DIBENZO (A H) ANTHRACENE	53703	*I <70.	NG/G, WET			
34559	DIBENZO (A H) ANTHRACENE	53703	*E	NG/G, DRY			
78323	FLUORANTHENE	206440	1000.	NG/G, WET			
34379	FLUORANTHENE	206440	1400.	NG/G, DRY			
78350	FLUORENE	86737	85.	NG/G, WET			
34384	FLUORENE	86737	120.	NG/G, DRY			
78353	INDENO (1,2,3-C D) PYRENE	193395	*I <400.	NG/G, WET			
34406	INDENO (1,2,3-C D) PYRENE	193395	*E	NG/G, DRY			
78331	NAPHTHALENE	91203	56.	NG/G, WET			
34445	NAPHTHALENE	91203	76.	NG/G, DRY			
99166	PAH %		73.	%			
78351	PHENANTHRENE	85018	470.	NG/G, WET			
34464	PHENANTHRENE	85018	640.	NG/G, DRY			
78354	PYRENE	129000	850.	NG/G, WET			
34472	PYRENE	129000	1200.	NG/G, DRY			
136	TEMPERATURE AT LAB		ICED				

**Wisconsin Department of Natural Resources  
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Lab: 113133790

Sample: OL000622

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**Laboratory:** Wisconsin State Laboratory of Hygiene  
2601 Agriculture Dr  
Madison WI 53707  
Phone 800-442-4618 Fax Phone 608-224-6276

DNR ID 113133790

**Sample:**

Field #: SGP-6D	Sample #: OL000622
Collection Start: 09/19/2000	Collection End:
Collected by: TOM JANISCH	Waterbody/Outfall Id:
ID #: 16	ID Point #:
County: Douglas	Account #: RR019
Sample Location: SUPERIOR GAS PLANT	
Sample Description: SW END OF SLIP 0.55 TO 1.11 FEET	
Sample Source: SE	Sample Depth:
Date Reported: 10/19/2000	Sample Status: COMPLETE
Project No:	

**Analyses and Results:**

Analysis Method		Analysis Date	Lab Comment				
Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
61078	1-METHYLNAPHTHALENE		110.	NG/G, WET			
81696	1-METHYLNAPHTHALENE		170.	NG/G, DRY			
78305	2-METHYLNAPHTHALENE	91576	120.	NG/G, WET			
78868	2-METHYLNAPHTHALENE	91576	190.	NG/G, DRY			
99167	3,6-DIMETHYLNAPHTHALENE (DRY WT)	582161	*E	NG/G, DRY			
34208	ACENAPHTHENE	83329	150.	NG/G, WET			
78309	ACENAPHTHENE	83329	230.	NG/G, DRY			
78347	ACENAPHTHYLENE	208968	*D <43.	NG/G, WET			
34203	ACENAPHTHYLENE	208968	*E	NG/G, DRY			
78348	ANTHRACENE	120127	250.	NG/G, WET			
34223	ANTHRACENE	120127	390.	NG/G, DRY			
78342	BENZO (A) ANTHRACENE	56553	690.	NG/G, WET			
85755	BENZO (A) ANTHRACENE	56553	1100.	NG/G, DRY			
78343	BENZO (A) PYRENE	50328	700.	NG/G, WET			
85754	BENZO (A) PYRENE	50328	1100.	NG/G, DRY			
78344	BENZO (B) FLUORANTHENE	205992	750.	NG/G, WET			
34233	BENZO (B) FLUORANTHENE	205992	1200.	NG/G, DRY			
61075	BENZO (E) PYRENE	192972	*I <800.	NG/G, WET			
49743	BENZO (E) PYRENE	192972	*E	NG/G, DRY			

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Lab: 113133790

Sample: OL000622

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Code	Description	Cas No	Result	Units	LOD	Report Limit	LOQ
78349	BENZO (G H I) PERYLENE	191242	490.	NG/G, WET			
78828	BENZO (G H I) PERYLENE	191242	760.	NG/G, DRY			
78345	BENZO (K) FLUORANTHENE	207089	430.	NG/G, WET			
34245	BENZO (K) FLUORANTHENE	207089	660.	NG/G, DRY			
78346	CHRYSENE	218019	870.	NG/G, WET			
34323	CHRYSENE	218019	1400.	NG/G, DRY			
78352	DIBENZO (A H) ANTHRACENE	53703	*I <110.	NG/G, WET			
34559	DIBENZO (A H) ANTHRACENE	53703	*E	NG/G, DRY			
78323	FLUORANTHENE	206440	1800.	NG/G, WET			
34379	FLUORANTHENE	206440	2800.	NG/G, DRY			
78350	FLUORENE	86737	240.	NG/G, WET			
34384	FLUORENE	86737	370.	NG/G, DRY			
78353	INDENO (1,2,3-C D) PYRENE	193395	510.	NG/G, WET			
34406	INDENO (1,2,3-C D) PYRENE	193395	790.	NG/G, DRY			
78331	NAPHTHALENE	91203	140.	NG/G, WET			
34445	NAPHTHALENE	91203	220.	NG/G, DRY			
99166	PAH %		65.	%			
78351	PHENANTHRENE	85018	1500.	NG/G, WET			
34464	PHENANTHRENE	85018	2300.	NG/G, DRY			
78354	PYRENE	129000	1400.	NG/G, WET			
34472	PYRENE	129000	2200.	NG/G, DRY			
136	TEMPERATURE AT LAB		ICED				

15.88 PPM  
DWT  
& PAHS