

ID, License, Permit or STORET Number	Point or Outfall Number	Field Number WS-1-1 WS-1-2	County No.	Program Code	Region
--------------------------------------	-------------------------	----------------------------------	------------	--------------	--------

Waterbody Number	Sample Address or Location STINSON
------------------	---------------------------------------

Sample Point Description / Sampling Device

Send Report To Sager		Sample Type (select one)	
DNR User ID Sager	Date Results Needed (mm/dd/yyyy)	<input checked="" type="checkbox"/> SU Surface Water	<input type="checkbox"/> EF Effluent (Treated Wastewater)
Name (Last, First) Sager, John		<input type="checkbox"/> NP Storm Water	<input type="checkbox"/> IF Influent (Untreated Wastewater)
Address 1701 N. 4th St.		<input type="checkbox"/> SE Sediment	<input type="checkbox"/> MW Monitoring Well
City Superior	State ZIP WI 54880	<input type="checkbox"/> SL Sludge	<input type="checkbox"/> LY Lysimeter
Account Number RR009	Collected By John Sager	<input type="checkbox"/> LE Leachate	<input type="checkbox"/> SO Soil
Lakes Grant or Project Number	Telephone Number (715) 392-7822	<input type="checkbox"/> TI Tissue	<input type="checkbox"/> OI Oil
Begin or Grab Date (mm/dd/yyyy) 04/29/18	Begin Time (24-hr clock)	<input type="checkbox"/> E Public Drinking Entry Point	<input type="checkbox"/> OW Waste
End Date - For Composite Samples Only (mm/dd/yyyy)	End Time (24-hr clock) - For Composite Samples Only	<input type="checkbox"/> W Public Drinking Well/Source	<input type="checkbox"/> PO Private Well
		<input type="checkbox"/> D Public Drinking Distribution	<input type="checkbox"/> X Non-Potable Well
		Sample Reason (Drinking Water - select one)	
		<input type="checkbox"/> N New Well	<input type="checkbox"/> C Confirmation (follow up)
		<input type="checkbox"/> I Investigation	<input type="checkbox"/> D Compliance
		<input type="checkbox"/> W Raw water (drinking)	
		<input checked="" type="checkbox"/> E Enforcement	
		Depth of Sample (feet or meters) _____	
		Is Sample Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, how? _____	

For Lab Use:
Priority: 7

5-1-18
K

- Inorganic
- Total Solids
 - Susp. Solids (500 ml needed)
 - Vol. Susp. Solids
 - Total Dissolved Solids
 - Total Phosphorus
 - Ammonia-Nitrogen
 - NO₂ + NO₃ as Nitrogen
 - Total Kjeldahl-N
 - BODs Total (900 ml needed)

BOD Estimate Required: _____ mg/l

pH only (non-Waste or non-Compliance)

pH (Waste Samples Only)

05/01/18 07:54
WS1-1

Additional parameters or instructions to lab:

Oil & Grease

PAH

05/01/18 07:54
WS1-2

378759001

378759002

Field Parameters - Optional

Sample Temperature - field (°C) _____

Ambient Air Temperature - field (°C) _____

DO field (mg/l) _____

pH (su) field _____

For organic chemical test requests please contact the lab (608-224-6269).

Microbiology

iced and received monitoring.

TEMP	HNO3	pH
Ray Gun Glass 6 8 Plastic 6	ID's IN/AN359 Bottle ID A B C D E F G	pH R2 30 29 Bottle ID A B C D E F G

includes total coliform / E. coli, Coliphage, Rhodococcus, Bifidobacteria - 1 mason jar

Fecal Sterols, PPCP, TOC - 2 mason jars

For Lab Use: Temp °C _____ Analyst _____	Date Received	Sample ID 05/01/18 07:54 RR009
--	---------------	--------------------------------------

378759

ID, License, Permit or STORET Number	Point or Outfall Number	Field Number SS-2-1 SS-2-2	County No.	Program Code	Region
--------------------------------------	-------------------------	----------------------------------	------------	--------------	--------

Waterbody Number	Sample Address or Location 21 st St
------------------	---

Sample Point Description / Sampling Device

Send Report To		Sample Type (select one)	
DNR User ID Sager, John	Date Results Needed (mm/dd/yyyy)	<input checked="" type="checkbox"/> SU Surface Water	<input type="checkbox"/> EF Effluent (Treated Wastewater)
Name (Last, First) Sager, John	Address 1701 N. 4th St.	<input type="checkbox"/> NP Storm Water	<input type="checkbox"/> IF Influent (Untreated Wastewater)
City Superior	State ZIP WI 54880	<input type="checkbox"/> SE Sediment	<input type="checkbox"/> MW Monitoring Well
Account Number BR009	Collected By John Sager	<input type="checkbox"/> SL Sludge	<input type="checkbox"/> LY Lysimeter
Lakes Grant or Project Number	Telephone Number (715) 392-7822	<input type="checkbox"/> LE Leachate	<input type="checkbox"/> SO Soil
Begin or Grab Date (mm/dd/yyyy) 04/29/18	Begin Time (24-hr clock)	<input type="checkbox"/> TI Tissue	<input type="checkbox"/> OI Oil
End Date - For Composite Samples Only (mm/dd/yyyy)	End Time (24-hr clock) - For Composite Samples Only	<input type="checkbox"/> E Public Drinking Entry Point	<input type="checkbox"/> OW Waste
		<input type="checkbox"/> W Public Drinking Well/Source	<input type="checkbox"/> PO Private Well
		<input type="checkbox"/> D Public Drinking Distribution	<input type="checkbox"/> X Non-Potable Well
		Sample Reason (Drinking Water - select one)	
		<input type="checkbox"/> N New Well	<input type="checkbox"/> C Confirmation (follow up)
		<input type="checkbox"/> I Investigation	<input type="checkbox"/> D Compliance
		<input type="checkbox"/> W Raw water (drinking)	
		<input checked="" type="checkbox"/> E Enforcement	
		Depth of Sample (feet or meters) _____	
		Is Sample Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, how? _____	

For Lab Use:
Priority: 7

5-1-18
K

Inorganic

- Total Solids
- Susp. Solids (500 ml needed)
- Vol. Susp. Solids
- Total Dissolved Solids
- Total Phosphorus
- Ammonia-Nitrogen
- NO₂ + NO₃ as Nitrogen
- Total Kjeldahl-N
- BODs Total (900 ml needed)

BOD Estimate Required: _____ mg/l

- pH only (non-Waste or non-Compliance)
- pH (Waste Samples Only)

Additional parameters or instructions to laboratorian

Oil & Grease
 PAH

05/01/18 07:54
 88-2-1
 378759003

05/01/18 07:54
 88-2-2
 378759004

Field Parameters - Optional

Sample Temperature - field (°C) _____

Ambient Air Temperature - field (°C) _____

DO field (mg/l) _____

pH (su) field _____

For organic chemical test requests please contact the lab (608-224-6269).

Microbiology

Must be collected in a sterile container. Must be iced and received within 6 hours for enforcement / 24 hours for monitoring.

E. coli _____ / 100 ml

TEMP	HNO3	pH
Ray Gun 6 8	ID's IN/AN359 A B C D	pH R2 30 29 A B C D
	E F G	E F G

je, Rhodococcus,
s

For Lab Use:	Date Received	Sample ID
Temp °C _____		
Analyst _____		

ID, License, Permit or STORET Number	Point or Outfall Number	Field Number SW-3-1 SW-3-2	County No.	Program Code	Region
Waterbody Number	Sample Address or Location 3RD ST BOOM				
Sample Point Description / Sampling Device					

Send Report To		Sample Type (select one)	
DNR User ID Sager, John	Date Results Needed (mm/dd/yyyy)	<input checked="" type="checkbox"/> SU Surface Water	<input type="checkbox"/> EF Effluent (Treated Wastewater)
Name (Last, First)		<input type="checkbox"/> NP Storm Water	<input type="checkbox"/> IF Influent (Untreated Wastewater)
Address 1701 N. 4th St.		<input type="checkbox"/> SE Sediment	<input type="checkbox"/> MW Monitoring Well
City Superior	State ZIP WI 54880	<input type="checkbox"/> SL Sludge	<input type="checkbox"/> LY Lysimeter
Account Number RR009	Collected By John Sager	<input type="checkbox"/> LE Leachate	<input type="checkbox"/> SO Soil
Lakes Grant or Project Number	Telephone Number (715) 392-7822	<input type="checkbox"/> TI Tissue	<input type="checkbox"/> OI Oil
Begin or Grab Date (mm/dd/yyyy) 04/29/18	Begin Time (24-hr clock)	<input type="checkbox"/> E Public Drinking Entry Point	<input type="checkbox"/> OW Waste
End Date - For Composite Samples Only (mm/dd/yyyy)	End Time (24-hr clock) - For Composite Samples Only	<input type="checkbox"/> W Public Drinking Well/Source	<input type="checkbox"/> PO Private Well
		<input type="checkbox"/> D Public Drinking Distribution	<input type="checkbox"/> X Non-Potable Well
		Sample Reason (Drinking Water - select one)	
		<input type="checkbox"/> N New Well	<input type="checkbox"/> C Confirmation (follow up)
		<input type="checkbox"/> I Investigation	<input type="checkbox"/> D Compliance
		<input type="checkbox"/> W Raw water (drinking)	
		<input checked="" type="checkbox"/> E Enforcement	
		Depth of Sample (feet or meters) _____	
		Is Sample Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, how? _____	

5.1.18
W

For Lab Use:
Priority
7

Inorganic

Total Solids

Susp. Solids (500 ml needed)

Vol. Susp. Solids

Total Dissolved Solids

Total Phosphorus

Ammonia-Nitrogen

NO₂ + NO₃ as Nitrogen

Total Kjeldahl-N

BOD₅ Total (900 ml needed)

BOD Estimate Required: _____ mg/l

pH only (non-Waste or non-Compliance)

pH (Waste Samples Only)

Additional parameters or instructions to laboratory

Oil & Grease
PAH

05/01/18 07:54
SW-3-1/SW-3-2
378759005

05/01/18 07:54
SW-3-1/SW-3-2
378759006

Field Parameters - Optional

Sample Temperature - field (°C) _____

Ambient Air Temperature - field (°C) _____

DO field (mg/l) _____

pH (su) field _____

For organic chemical test requests please contact the lab (608-224-6269).

Microbiology

Must be collected in a sterile container. Must be iced and received within 6 hours for enforcement / 24 hours for monitoring.

TEMP	HNO ₃	pH
Ray Gun 7 6 8	ID's IN/AN359 Bottle ID A B C D	pH R2 30 29 Bottle ID A B C D
6	E F G	E F G

ICED

Rhodococcus,

For Lab Use: _____ Date Received _____ Sample ID _____

Temp °C _____

Analyst _____

Sample Collector(s) Name JOHN SAGER	Return Report As: (select one) <input checked="" type="checkbox"/> Email <input type="checkbox"/> Hard Copy	Email or Postal Address JOHN.SAGER@WISCONSIN.GOV	Phone Number (include area code) (715) 490-0123
Property Owner NA	Property Address NA		Phone Number (include area code) NA

Split Samples: Offered? Yes No
 Accepted? Yes No Accepted By (Signature): _____

Field ID No.	Date	Time	No. of Containers	Station Location Sample Description	Lab ID Number	Lab Use Only			
						Cracked / Broken	Improperly Sealed	Good Condition	Other Comments
WS-1-1	4-29-18	3:07P	1	STINSON SURFACE WATER	378759001			✓	
WS-1-2		3:07P	1	STINSON SURFACE WATER	378759002			✓	
SS-2-1		3:12P	1	21 ST ST SURFACE WATER	378759003			✓	
SS-2-2		3:12P	1	21 ST ST SURFACE WATER	378759004			✓	
SW-3-1		3:35P	2	3 RD ST BOOM	378759005			✓	
SW-3-2				SURFACE WATER	378759006				

Method of Shipment: <input type="checkbox"/> Staff <input type="checkbox"/> U.S. Postal Service <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input checked="" type="checkbox"/> Other-specify: SPEEDY	Reason for Sample Collection: <input type="checkbox"/> Anhydrous Ammonia Spill <input type="checkbox"/> Animal Waste <input type="checkbox"/> Open Burning <input type="checkbox"/> Dairy Product Spill <input type="checkbox"/> Construction/Storm Water Runoff <input type="checkbox"/> Pesticide Spill * - Specify Pesticide: _____ <input type="checkbox"/> Hazardous Waste Release * <input checked="" type="checkbox"/> Petroleum Product Release * - Specify Product: ASPHALT <input type="checkbox"/> Industrial Spill/Runoff * - Specify Industry Type: _____ <input type="checkbox"/> Other - Specify: _____	Was the sample shipping container sealed on receipt? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
---	--	--

* Contact the laboratory with product information and for consultation. Also, include sample of suspected spilled product.

I hereby certify that I received and properly handled these samples as noted below:

Relinquished By (Signature) 	Date / Time 4/30/18	Received By (Signature) 	Date / Time
Relinquished By (Signature)	Date / Time	Received By (Signature)	Date / Time
Relinquished By (Signature)	Date / Time	Received for Laboratory By (Signature) 	Date / Time 5-1-18 07:04

Disposition of Unused Portion Sample:

Dispose

Return

Retain until further notice

Other _____

If you need additional room for notes, use the back of this form.



Laboratory Report

D.F. Kurtycz, M.D., Medical Director - Prof. James J. Schauer, Ph.D., Director

Environmental Health Division

WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB ID: WI00007, WI00008 WI DATCP ID: 105-415

WSLH Sample: 378759001

Report To:
ZANA SJIAN
WISCONSIN DNR

Invoice To:
ZANA SJIAN
WISCONSIN DNR

Customer ID: RR009

Field #: WS1-1
Project No:
Collection End: 4/29/2018 3:07:00 PM
Collection Start:
Collected By: JOHN SAGER
Date Received: 5/1/2018
Date Reported: 5/30/2018
Sample Reason:

ID#: STINSON
Sample Location: STINSON
Sample Description:
Sample Type: SU-SURFACE WATER
Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Sample Comments

Acidified with 1 ml R2-32-17

Inorganic Chemistry

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 05/03/18	Analysis Date 05/03/18				
OIL & GREASE, SPE	EPA1664	116	mg/L	1.9	5.0

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes see <http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation>

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

This Laboratory Report shall not be reproduced except in full, without written approval of the laboratory.

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.



Wisconsin State
Laboratory of Hygiene
UNIVERSITY OF WISCONSIN-MADISON

Wisconsin State Laboratory of Hygiene
2601 Agriculture Drive, PO Box 7996
Madison, WI 53707-7996
(800)442-4618 - FAX (608)224-6213
<http://www.slh.wisc.edu>

Laboratory Report

D.F. Kurtycz, M.D., Medical Director - Prof. James J. Schauer, Ph.D., Director

Environmental Health Division

WDNR LAB ID: 113133790 NELAP LAB ID: E37658 EPA LAB ID: WI00007, WI00008 WI DATCP ID: 105-415

WSLH Sample: 378759001

Previous Reports

This sample was previously reported under the following report ID(s): 5240405

Responsible Party

Microbiology: Sharon Kluender, Lab Manager, 608-224-6262
Inorganic Chemistry: DeWayne Kennedy-Parker, Lab Manager, 608-224-6282
Metals: DeWayne Kennedy-Parker, Lab Manager, 608-224-6282
Organic Chemistry: Al Spallato, Lab Manager, 608-224-6269
Emergency Chemical Response: Noel Stanton, Lab Manager, 608-224-6251
Environmental Toxicology: Tracy Hanke, Lab Manager, 608-224-6270



Laboratory Report

D.F. Kurtycz, M.D., Medical Director - Prof. James J. Schauer, Ph.D., Director

Environmental Health Division

WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB ID: WI00007, WI00008 WI DATCP ID: 105-415

WSLH Sample: 378759002

Report To:
ZANA SJIAN
WISCONSIN DNR

Invoice To:
ZANA SJIAN
WISCONSIN DNR

Customer ID: RR009

Field #: WS-1-2
Project No:
Collection End: 4/29/2018 3:07:00 PM
Collection Start:
Collected By: JOHN SAGER
Date Received: 5/1/2018
Date Reported: 5/30/2018
Sample Reason:

ID#: STINSON
Sample Location: STINSON
Sample Description:
Sample Type: SU-SURFACE WATER
Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

OC-PAHs in Water

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 05/01/18	Analysis Date 05/04/18				
Naphthalene	SW846 Method 8270E PAH in W	ND	ug/L	0.59	2.0
2-Methylnaphthalene	SW846 Method 8270E PAH in W	0.87F	ug/L	0.57	1.9
1-Methylnaphthalene	SW846 Method 8270E PAH in W	0.55F	ug/L	0.41	1.3
2,7-Dimethylnaphthalene	SW846 Method 8270E PAH in W	12	ug/L	0.79	2.6
Acenaphthylene	SW846 Method 8270E PAH in W	ND	ug/L	1.0	3.4
Acenaphthene	SW846 Method 8270E PAH in W	ND	ug/L	0.47	1.6
Fluorene	SW846 Method 8270E PAH in W	7.7	ug/L	0.79	2.6
Anthracene	SW846 Method 8270E PAH in W	ND	ug/L	1.2	4.1
Fluoranthene	SW846 Method 8270E PAH in W	6.3	ug/L	1.3	4.5
Retene	SW846 Method 8270E PAH in W	ND	ug/L	1.7	5.6
Second source standard exceeds lower control limit.					
Pyrene	SW846 Method 8270E PAH in W	15	ug/L	0.73	2.3



Environmental Health Division

WDNR LAB ID: 113133790 NELAP LAB ID: E37658 EPA LAB ID: WI00007, WI00008 WI DATCP ID: 105-415

WSLH Sample: 378759002

OC-PAHs in Water

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 05/01/18	Analysis Date 05/04/18				
Benz(a)anthracene	SW846 Method 8270E PAH in W	2.5F	ug/L	2.3	7.8
Chrysene	SW846 Method 8270E PAH in W	10	ug/L	0.61	2.1
Benzo(b)fluoranthene	SW846 Method 8270E PAH in W	3.1F	ug/L	1.5	5.1
Benzo(k)fluoranthene	SW846 Method 8270E PAH in W	ND	ug/L	0.55	1.8
Benzo(e)pyrene	SW846 Method 8270E PAH in W	2.9F	ug/L	1.2	4.0
Benzo(a)pyrene	SW846 Method 8270E PAH in W	0.83F	ug/L	0.52	1.8
Indeno(1,2,3-cd)pyrene	SW846 Method 8270E PAH in W	ND	ug/L	1.8	5.9
Benzo(g,h,i)perylene	SW846 Method 8270E PAH in W	2.4F	ug/L	0.85	2.7
Dibenz(a,h)anthracene	SW846 Method 8270E PAH in W	ND	ug/L	0.50	1.6
Coronene	SW846 Method 8270E PAH in W	ND	ug/L	3.5	12

Second source standard exceeds lower control limit.

Prep Date 05/01/18	Analysis Date 05/03/18				
Phenanthrene	SW846 Method 8270E PAH in W	60	ug/L	2.1	7.0

List of Abbreviations:

LOD = Level of detection
 LOQ = Level of quantification
 ND = None detected. Results are less than the LOD
 F next to result = Result is between LOD and LOQ
 Z next to result = Result is between 0 (zero) and LOD
 if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes see <http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation>

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

This Laboratory Report shall not be reproduced except in full, without written approval of the laboratory.

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.



Wisconsin State
Laboratory of Hygiene
UNIVERSITY OF WISCONSIN-MADISON

Wisconsin State Laboratory of Hygiene
2601 Agriculture Drive, PO Box 7996
Madison, WI 53707-7996
(800)442-4618 - FAX (608)224-6213
<http://www.slh.wisc.edu>

Laboratory Report

D.F. Kurtycz, M.D., Medical Director - Prof. James J. Schauer, Ph.D., Director

Environmental Health Division

WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB ID: WI00007, WI00008 WI DATCP ID: 105-415

WSLH Sample: 378759002

Previous Reports

This sample was previously reported under the following report ID(s): 5240405

Responsible Party

Microbiology: Sharon Kluender, Lab Manager, 608-224-6262

Inorganic Chemistry: DeWayne Kennedy-Parker, Lab Manager, 608-224-6282

Metals: DeWayne Kennedy-Parker, Lab Manager, 608-224-6282

Organic Chemistry: Al Spallato, Lab Manager, 608-224-6269

Emergency Chemical Response: Noel Stanton, Lab Manager, 608-224-6251

Environmental Toxicology: Tracy Hanke, Lab Manager, 608-224-6270



Laboratory Report

D.F. Kurtycz, M.D., Medical Director - Prof. James J. Schauer, Ph.D., Director

Environmental Health Division

WDNR LAB ID: 113133790 NELAP LAB ID: E37658 EPA LAB ID: WI00007, WI00008 WI DATCP ID: 105-415

WSLH Sample: 378759003

Report To:
ZANA SJIAN
WISCONSIN DNR

Invoice To:
ZANA SJIAN
WISCONSIN DNR

Customer ID: RR009

Field #: SS-2-1
Project No:
Collection End: 4/29/2018 3:12:00 PM
Collection Start:
Collected By: JOHN SAGER
Date Received: 5/1/2018
Date Reported: 5/30/2018
Sample Reason:

ID#: 21ST ST
Sample Location: 21ST ST
Sample Description:
Sample Type: SU-SURFACE WATER
Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Sample Comments

Acidified with 1 ml R2-32-17

Inorganic Chemistry

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 05/03/18 Analysis Date 05/03/18					
OIL & GREASE, SPE	EPA1664	3.20F	mg/L	1.9	5.0

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes see <http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation>
Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.
Results relate only to the items tested.
This Laboratory Report shall not be reproduced except in full, without written approval of the laboratory.
The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.



Wisconsin State
Laboratory of Hygiene
UNIVERSITY OF WISCONSIN-MADISON

Wisconsin State Laboratory of Hygiene
2601 Agriculture Drive, PO Box 7996
Madison, WI 53707-7996
(800)442-4618 - FAX (608)224-6213
<http://www.slh.wisc.edu>

Laboratory Report

D.F. Kurtycz, M.D., Medical Director - Prof. James J. Schauer, Ph.D., Director

Environmental Health Division

WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB ID: WI00007, WI00008 WI DATCP ID: 105-415

WSLH Sample: 378759003

Previous Reports

This sample was previously reported under the following report ID(s): 5240405

Responsible Party

Microbiology: Sharon Kluender, Lab Manager, 608-224-6262

Inorganic Chemistry: DeWayne Kennedy-Parker, Lab Manager, 608-224-6282

Metals: DeWayne Kennedy-Parker, Lab Manager, 608-224-6282

Organic Chemistry: Al Spallato, Lab Manager, 608-224-6269

Emergency Chemical Response: Noel Stanton, Lab Manager, 608-224-6251

Environmental Toxicology: Tracy Hanke, Lab Manager, 608-224-6270



Laboratory Report

D.F. Kurtycz, M.D., Medical Director - Prof. James J. Schauer, Ph.D., Director

Environmental Health Division

WDNR LAB ID: 113133790 NELAP LAB ID: E37658 EPA LAB ID: WI00007, WI00008 WI DATCP ID: 105-415

WSLH Sample: 378759004

Report To:
ZANA SJIAN
WISCONSIN DNR

Invoice To:
ZANA SJIAN
WISCONSIN DNR

Customer ID: RR009

Field #: SS-2-2
Project No:
Collection End: 4/29/2018 3:12:00 PM
Collection Start:
Collected By: JOHN SAGER
Date Received: 5/1/2018
Date Reported: 5/30/2018
Sample Reason:

ID#: 21ST ST
Sample Location: 21ST ST
Sample Description:
Sample Type: SU-SURFACE WATER
Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

OC-PAHs in Water

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 05/01/18	Analysis Date 05/04/18				
Naphthalene	SW846 Method 8270E PAH in W	0.69	ug/L	0.11	0.37
2-Methylnaphthalene	SW846 Method 8270E PAH in W	2.3	ug/L	0.11	0.36
1-Methylnaphthalene	SW846 Method 8270E PAH in W	2.8	ug/L	0.078	0.26
2,7-Dimethylnaphthalene	SW846 Method 8270E PAH in W	2.5	ug/L	0.15	0.50
Acenaphthylene	SW846 Method 8270E PAH in W	ND	ug/L	0.20	0.65
Acenaphthene	SW846 Method 8270E PAH in W	0.090F	ug/L	0.090	0.30
Fluorene	SW846 Method 8270E PAH in W	0.39F	ug/L	0.15	0.49
Phenanthrene	SW846 Method 8270E PAH in W	1.2	ug/L	0.079	0.27
Anthracene	SW846 Method 8270E PAH in W	ND	ug/L	0.23	0.78
Fluoranthene	SW846 Method 8270E PAH in W	ND	ug/L	0.26	0.85
Retene	SW846 Method 8270E PAH in W	ND	ug/L	0.33	1.1

Second source standard exceeds lower control limit.



D.F. Kurtycz, M.D., Medical Director - Prof. James J. Schauer, Ph.D., Director

Environmental Health Division

WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB ID: WI00007, WI00008 WI DATCP ID: 105-415

WSLH Sample: 378759004

OC-PAHs in Water

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 05/01/18	Analysis Date 05/04/18				
Pyrene	SW846 Method 8270E PAH in W	0.17F	ug/L	0.14	0.44
Benz(a)anthracene	SW846 Method 8270E PAH in W	ND	ug/L	0.44	1.5
Chrysene	SW846 Method 8270E PAH in W	ND	ug/L	0.12	0.40
Benzo(b)fluoranthene	SW846 Method 8270E PAH in W	ND	ug/L	0.29	0.98
Benzo(k)fluoranthene	SW846 Method 8270E PAH in W	ND	ug/L	0.11	0.35
Benzo(e)pyrene	SW846 Method 8270E PAH in W	ND	ug/L	0.23	0.76
Benzo(a)pyrene	SW846 Method 8270E PAH in W	ND	ug/L	0.10	0.34
Indeno(1,2,3-cd)pyrene	SW846 Method 8270E PAH in W	ND	ug/L	0.34	1.1
Benzo(g,h,i)perylene	SW846 Method 8270E PAH in W	ND	ug/L	0.16	0.52
Dibenz(a,h)anthracene	SW846 Method 8270E PAH in W	ND	ug/L	0.095	0.31
Coronene	SW846 Method 8270E PAH in W	ND	ug/L	0.66	2.2

Second source standard exceeds lower control limit.

List of Abbreviations:

LOD = Level of detection

LOQ = Level of quantification

ND = None detected. Results are less than the LOD

F next to result = Result is between LOD and LOQ

Z next to result = Result is between 0 (zero) and LOD

if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes see <http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation>

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

This Laboratory Report shall not be reproduced except in full, without written approval of the laboratory.

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.



Wisconsin State
Laboratory of Hygiene
UNIVERSITY OF WISCONSIN-MADISON

Wisconsin State Laboratory of Hygiene
2601 Agriculture Drive, PO Box 7996
Madison, WI 53707-7996
(800)442-4618 - FAX (608)224-6213
<http://www.slh.wisc.edu>

Laboratory Report

D.F. Kurtycz, M.D., Medical Director - Prof. James J. Schauer, Ph.D., Director

Environmental Health Division

WDNR LAB ID: 113133790 NELAP LAB ID: E37658 EPA LAB ID: WI00007, WI00008 WI DATCP ID: 105-415

WSLH Sample: 378759004

Previous Reports

This sample was previously reported under the following report ID(s): 5240405

Responsible Party

Microbiology: Sharon Kluender, Lab Manager, 608-224-6262
Inorganic Chemistry: DeWayne Kennedy-Parker, Lab Manager, 608-224-6282
Metals: DeWayne Kennedy-Parker, Lab Manager, 608-224-6282
Organic Chemistry: Al Spallato, Lab Manager, 608-224-6269
Emergency Chemical Response: Noel Stanton, Lab Manager, 608-224-6251
Environmental Toxicology: Tracy Hanke, Lab Manager, 608-224-6270



Laboratory Report

D.F. Kurtycz, M.D., Medical Director - Prof. James J. Schauer, Ph.D., Director

Environmental Health Division

WDNR LAB ID: 113133790 NELAP LAB ID: E37658 EPA LAB ID: WI00007, WI00008 WI DATCP ID: 105-415

WSLH Sample: 378759005

Report To:
ZANA SJIAN
WISCONSIN DNR

Invoice To:
ZANA SJIAN
WISCONSIN DNR

Customer ID: RR009

Field #: SW-3-1/SW-3-2
Project No:
Collection End: 4/29/2018 3:35:00 PM
Collection Start:
Collected By: JOHN SAGER
Date Received: 5/1/2018
Date Reported: 5/30/2018
Sample Reason:

ID#: 3RD ST BOOM
Sample Location: 3RD ST BOOM
Sample Description:
Sample Type: SU-SURFACE WATER
Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

Sample Comments

Acidified with 1 ml R2-32-17

Inorganic Chemistry

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 05/03/18 Analysis Date 05/03/18					
OIL & GREASE, SPE	EPA1664	3.48F	mg/L	1.9	5.0

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes see <http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation>

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

This Laboratory Report shall not be reproduced except in full, without written approval of the laboratory.

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.



**Wisconsin State
Laboratory of Hygiene**
UNIVERSITY OF WISCONSIN-MADISON

Wisconsin State Laboratory of Hygiene
2601 Agriculture Drive, PO Box 7996
Madison, WI 53707-7996
(800)442-4618 - FAX (608)224-6213
<http://www.slh.wisc.edu>

Laboratory Report

D.F. Kurtycz, M.D., Medical Director - Prof. James J. Schauer, Ph.D., Director

Environmental Health Division

WDNR LAB ID: 113133790 NELAP LAB ID: E37658 EPA LAB ID: WI00007, WI00008 WI DATCP ID: 105-415

WSLH Sample: 378759005

Previous Reports

This sample was previously reported under the following report ID(s): 5240405

Responsible Party

Microbiology: Sharon Kluender, Lab Manager, 608-224-6262
Inorganic Chemistry: DeWayne Kennedy-Parker, Lab Manager, 608-224-6282
Metals: DeWayne Kennedy-Parker, Lab Manager, 608-224-6282
Organic Chemistry: Al Spallato, Lab Manager, 608-224-6269
Emergency Chemical Response: Noel Stanton, Lab Manager, 608-224-6251
Environmental Toxicology: Tracy Hanke, Lab Manager, 608-224-6270



Laboratory Report

D.F. Kurtycz, M.D., Medical Director - Prof. James J. Schauer, Ph.D., Director

Environmental Health Division

WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB ID: WI00007, WI00008 WI DATCP ID: 105-415

WSLH Sample: 378759006

Report To:
ZANA SJIAN
WISCONSIN DNR

Invoice To:
ZANA SJIAN
WISCONSIN DNR

Customer ID: RR009

Field #: SW-3-1/SW-3-2
Project No:
Collection End: 4/29/2018 3:35:00 PM
Collection Start:
Collected By: JOHN SAGER
Date Received: 5/1/2018
Date Reported: 5/30/2018
Sample Reason:

ID#: 3RD ST BOOM
Sample Location: 3RD ST BOOM
Sample Description:
Sample Type: SU-SURFACE WATER
Waterbody:
Point or Outfall:
Sample Depth:
Program Code:
Region Code:
County:

OC-PAHs in Water

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 05/01/18	Analysis Date 05/03/18				
Naphthalene	SW846 Method 8270E PAH in W	ND	ug/L	0.12	0.39
2-Methylnaphthalene	SW846 Method 8270E PAH in W	0.17F	ug/L	0.11	0.38
1-Methylnaphthalene	SW846 Method 8270E PAH in W	0.40	ug/L	0.082	0.27
2,7-Dimethylnaphthalene	SW846 Method 8270E PAH in W	0.39F	ug/L	0.16	0.52
Acenaphthylene	SW846 Method 8270E PAH in W	ND	ug/L	0.21	0.68
Acenaphthene	SW846 Method 8270E PAH in W	ND	ug/L	0.094	0.32
Fluorene	SW846 Method 8270E PAH in W	ND	ug/L	0.16	0.51
Phenanthrene	SW846 Method 8270E PAH in W	0.39	ug/L	0.083	0.28
Anthracene	SW846 Method 8270E PAH in W	ND	ug/L	0.24	0.82
Fluoranthene	SW846 Method 8270E PAH in W	ND	ug/L	0.27	0.89
Retene	SW846 Method 8270E PAH in W	ND	ug/L	0.34	1.1

Second source standard exceeds lower control limit.



Environmental Health Division

WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB ID: WI00007, WI00008 WI DATCP ID: 105-415

WSLH Sample: 378759006

OC-PAHs in Water

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date 05/01/18	Analysis Date 05/03/18				
Pyrene	SW846 Method 8270E PAH in W	ND	ug/L	0.15	0.46
Benz(a)anthracene	SW846 Method 8270E PAH in W	ND	ug/L	0.46	1.6
Chrysene	SW846 Method 8270E PAH in W	ND	ug/L	0.12	0.41
Benzo(b)fluoranthene	SW846 Method 8270E PAH in W	ND	ug/L	0.30	1.0
Benzo(k)fluoranthene	SW846 Method 8270E PAH in W	ND	ug/L	0.11	0.37
Benzo(e)pyrene	SW846 Method 8270E PAH in W	ND	ug/L	0.24	0.79
Benzo(a)pyrene	SW846 Method 8270E PAH in W	ND	ug/L	0.10	0.35
Indeno(1,2,3-cd)pyrene	SW846 Method 8270E PAH in W	ND	ug/L	0.35	1.2
Benzo(g,h,i)perylene	SW846 Method 8270E PAH in W	ND	ug/L	0.17	0.55
Dibenz(a,h)anthracene	SW846 Method 8270E PAH in W	ND	ug/L	0.10	0.33
Coronene	SW846 Method 8270E PAH in W	ND	ug/L	0.70	2.3

Second source standard exceeds lower control limit.

List of Abbreviations:

LOD = Level of detection

LOQ = Level of quantification

ND = None detected. Results are less than the LOD

F next to result = Result is between LOD and LOQ

Z next to result = Result is between 0 (zero) and LOD

if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes see <http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation>

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

This Laboratory Report shall not be reproduced except in full, without written approval of the laboratory.

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.



Wisconsin State
Laboratory of Hygiene
UNIVERSITY OF WISCONSIN-MADISON

Wisconsin State Laboratory of Hygiene
2601 Agriculture Drive, PO Box 7996
Madison, WI 53707-7996
(800)442-4618 - FAX (608)224-6213
<http://www.slh.wisc.edu>

Laboratory Report

D.F. Kurtycz, M.D., Medical Director - Prof. James J. Schauer, Ph.D., Director

Environmental Health Division

WDNR LAB ID: 113133790

NELAP LAB ID: E37658

EPA LAB ID: WI00007, WI00008 WI DATCP ID: 105-415

WSLH Sample: 378759006

Previous Reports

This sample was previously reported under the following report ID(s): 5240405

Responsible Party

Microbiology: Sharon Kluender, Lab Manager, 608-224-6262

Inorganic Chemistry: DeWayne Kennedy-Parker, Lab Manager, 608-224-6282

Metals: DeWayne Kennedy-Parker, Lab Manager, 608-224-6282

Organic Chemistry: Al Spallato, Lab Manager, 608-224-6269

Emergency Chemical Response: Noel Stanton, Lab Manager, 608-224-6251

Environmental Toxicology: Tracy Hanke, Lab Manager, 608-224-6270