

I.D. Number, Permit or STORET	Point, Well or Outfall #	Field Number 1	County # 11	Route Code	Waterbody Number
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Sample Address or Location
Charles Matthews Estate - Co Trk E, TN Scott

Sample Point Description
soil - base of excavation, 15' deep

Send Report To

First Name David	MI S	Last Name Edwards
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Address
WDR - N7725 Hwy 28

City
Horicon

State
WI

Zip
53032

Account Number
RR010RRY0

Collected By
D. Edwards

Lakes Grant or WF Project #
per D. Edwards 4/28/99

Telephone No

E Enforcement

Date Results Needed (MM/DD/YYYY) (if needed)

Begin of Grab Date (MM/DD/YYYY)
4/28/99

Begin Time (24-hr clock)
10:08

End Date - For Composite Samples Only (MM/DD/YYYY)

End Time (24-hr clock) - For Composite Samples Only

Sample Type (Non WS):

<input type="checkbox"/> SU Surface Water	<input type="checkbox"/> IF Influent (Untreated Wastewater)
<input type="checkbox"/> NP Storm Water	<input type="checkbox"/> EF Effluent (Treated Wastewater)
<input type="checkbox"/> SE Sediment	<input type="checkbox"/> MW Monitoring Well
<input type="checkbox"/> SL Sludge	<input type="checkbox"/> LY Lysimeter
<input type="checkbox"/> LE Leachate	<input checked="" type="checkbox"/> SO Soil
<input type="checkbox"/> TI Tissue	<input type="checkbox"/> OI Oil
	<input type="checkbox"/> OW Waste

For Lab Use:
Priority

Water System Type (Water Supply Use ONLY):

<input type="checkbox"/> MC Community-Municipality	<input type="checkbox"/> D Distribution
<input type="checkbox"/> OC Com.-Other than Municipal	<input type="checkbox"/> E Entry Point
<input type="checkbox"/> NN Non-Transient Non-Community	<input type="checkbox"/> W Well
<input type="checkbox"/> TN Transient Non-Community	
<input type="checkbox"/> P Private	
<input type="checkbox"/> X Non-Potable	

Sample Sources (WS ONLY):

<input type="checkbox"/> D Distribution
<input type="checkbox"/> E Entry Point
<input type="checkbox"/> W Well

Sample Type (SDWA ONLY):

<input type="checkbox"/> D Compliance Sample
<input type="checkbox"/> C Confirmation
<input type="checkbox"/> W Raw Water Sample
<input checked="" type="checkbox"/> I Investigation

Is Sample Chlorinated? Yes No

VOCs Water/Soil (check one of the following.)

- Quantification (EPA Method 8260)
- Quantification (Drinking Water-EPA Method 524.2)



- Priority Pollutant Scan (Non-VOC)
- Priority Pollutant Pesticides
 - Priority Pollutant Base/Neutral/Acid

PCBs

- Aroclor Identification
- Congeners
- Coplanar

Petroleum Products

- Gasoline
- Fuel Oil #1
- Fuel Oil #2
- GRO
- DRO

- PAHs (GC/MS)
- PAHs (HPLC)

- Carbaryl
- Carbofuran

- 2,4-D
- 2,4,5-TP
- 2,4,5-T
- Chloramben
- Picloram
- Dicamba

- Phorate
- Terbufos
- Atrazine
- Deethylatrazine
- Deisopropylatrazine
- Diaminoatrazine
- Alachlor
- Metalachlor
- Cyanazine
- Metribuzin
- Simazine
- Prometon
- Aldicarb and other carbamates
- Dimethoate
- Dinoseb
- DCPA
- Ethylene Dibromide
- Linuron
- Fonofos

- Butylate
- EPTC
- Formaldehyde (Water Only)

Toxicity Characteristic Leaching Procedure (TCLP)

(Check one or more of the following)

- VOCs
- Base/Neutral Extractables
 - 2,4-Dinitrotoluene
 - Hexachlorobenzene
 - Hexachlorobutadiene
 - Nitrobenzene
 - Pyridine
- Acid Extractables
 - 2-Methylphenol
 - 3 & 4-Methylphenol
 - Pentachlorophenol
 - 2,4,6-Trichlorophenol
 - 2,4,5-Trichlorophenol
- Acid Herbicides
 - 2,4-D
 - 2,4,5-TP (Silvex)
- Chlorinated Pesticides
 - Chlordane
 - Endrin
 - Heptachlor
 - Heptachlor Epoxide
 - Lindane
 - Methoxychlor
 - Toxaphene

Ignitability (Haz. Waste Char.)

Additional parameters

For Lab Use:
 Temp °C **10**
 Analyst **[Signature]**

Date Received **APR 29 1999** Sample Number **0J002468**

DPD

Partial Instructions

See Chapter 4 "Lab Slips" of the *Field Procedures Manual* (see <http://intranet/int/es/science/ls/fpm/IV.htm>) for further instructions and definitions.

The **ID Number, Permit or STORET and Point/Well** fields should contain the appropriate IDs, left justified, for the program system the sample is for:

Program	ID Number	Example	Pt./Well	Example
Water Supply - Privates	Unique Well #	AA999	Blank	
Water Supply - Publics RAW	PWS ID #	241005670	Well #	002
Water Supply - Publics DIST	PWS ID #	241005670	Blank	
Waste Management	License #	00130	Point ID	AD6
Watershed Management	Permit #	0000030	Outfall #	001
Fish Management & Habitat Protection	Storet #	265013	Blank	
Remediation & Redevelopment	CERCLIS #	006094197	Point ID	001
Remediation & Redevelopment	FID	268181770	Point ID	001
Remediation & Redevelopment	Brownfields #	000000003	Point ID	001

The **Sample Address or Location** field should be the "entity" name, and depends on the program the sample is for. For example, Facility, Site, License, River/Lake, Owner, etc. Following this information, include the address of the facility or site (if appropriate).

The **Sample Point Description** field should include a description of the point within the property that the sample was collected. For example, secondary settling tank effluent or faucet prior to pressure tank.

The **Route Code** is a four-character code, which will be used to route the sample results from SLOH to whoever wants the results ("Send Report To:" section). These results are routed by the State Laboratory of Hygiene Computer.

- First two characters - Program code: WT, WA, DG, FH, etc.
- Third character - Office code: 1, 2, 4, 6, 7, 8 (see <http://intranet/int/es/science/ls/fpm/IV.htm>)
- Fourth character - Blank

The **Account Number** must be completed in order for the samples to be billed to the correct funding source. If you are unsure what the proper account number is refer to <http://intranet/int/es/science/ls/Account.htm> or contact the DNR Laboratory Coordinator or the State Laboratory of Hygiene.

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Buffalo	06	Kenosha	30	Rock	54
Burnett	07	Kewaunee	31	Rusk	55
Calumet	08	La Crosse	32	St. Croix	56
Chippewa	09	Lafayette	33	Sauk	57
Clark	10	Langlade	34	Sawyer	58
Columbia	11	Lincoln	35	Shawano	59
Crawford	12	Manitowoc	36	Sheboygan	60
Dane	13	Marathon	37	Taylor	61
Dodge	14	Marinette	38	Trempealeau	62
Door	15	Marquette	39	Vernon	63
Douglas	16	Menominee	40	Vilas	64
Dunn	17	Milwaukee	41	Walworth	65
Eau Claire	18	Monroe	42	Washburn	66
Florence	19	Oconto	43	Washington	67
Fond du Lac	20	Oneida	44	Waukesha	68
Forest	21	Outagamie	45	Waupaca	69
Grant	22	Ozaukee	46	Waushara	70
Green	23	Pepin	47	Winnebago	71
Green Lake	24	Pierce	48	Wood	72

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State Laboratory of Hygiene
University of Wisconsin Center for Health Sciences
2601 Agriculture Drive, Madison, WI 53707-7996

R.H. Laessig, Ph.D., Director S.L. Inhorn, M.D., Medical Director

Environmental Science Section (608) 224-6269 DNR LAB ID 113133790
Organic chemistry

Id: Point/Well/... Field #: 1 Route:
Collection Date: 04/28/99 Time: 10:08 County: 11 (Columbia)
From: CHARLES MATTHEWS ESTATE - CO TRK E, TN SCOTT
Description: SOIL - BASE OF EXCAVATION, 15' DEEP
To: DAVID S EDWARDS - WDNR
N7725 HWY 28 Source: Soil
HORICON, WI 53032
Account number: RR010 Collected by: D. EDWARDS
Enforcement
Date Received: 04/29/99 Labslip #: OJ002468 Reported: 06/29/99
Comment: This is a corrected version of an earlier report.

---- test: GCMS MISCELLANEOUS
COMMENT

C

---- test: TEMPERATURE ON RECEIPT-ICED - 0950
TEMPERATURE ON RECEIPT-ICED

ICED

---- test: VOCS IN SOIL BY PURGE AND TRAP - EPA METHOD 8021

ACETONE	*QL 18.	UG/G, DRY #1	
BENZENE	ND (LOD=0.015 UG/G, DRY)	#	
BROMOBENZENE	ND (LOD=0.015 UG/G, DRY)	#	
BROMOCHLOROMETHANE	ND (LOD=0.015 UG/G, DRY)	#	
BROMODICHLOROMETHANE	ND (LOD=0.015 UG/G, DRY)	#	
BROMOFORM	ND (LOD=0.015 UG/G, DRY)	#	
BROMOMETHANE	ND (LOD=0.015 UG/G, DRY)	#	
N-BUTYLBENZENE	ND (LOD=0.015 UG/G, DRY)	#	
SEC-BUTYLBENZENE	+ 0.81	UG/G, DRY #1	
TERT-BUTYLBENZENE	ND (LOD=0.015 UG/G, DRY)	#	
CARBON DISULFIDE	ND (LOD=0.25 UG/G, DRY)	#1	
CARBON TETRACHLORIDE	ND (LOD=0.025 UG/G, DRY)	#	
CHLOROBENZENE	ND (LOD=0.015 UG/G, DRY)	#	
CHLORODIBROMOMETHANE	ND (LOD=0.015 UG/G, DRY)	#	
CHLOROETHANE	ND (LOD=0.025 UG/G, DRY)	#	
CHLOROFORM	ND (LOD=0.025 UG/G, DRY)	#	
CHLOROMETHANE	ND (LOD=0.050 UG/G, DRY)	#	
2-CHLOROTOLUENE	ND (LOD=0.025 UG/G, DRY)	#	
4-CHLOROTOLUENE	ND (LOD=0.050 UG/G, DRY)	#	
1,2-DIBROMO-3-CHLOROPROPANE	ND (LOD=0.015 UG/G, DRY)	#	
1,2-DIBROMOETHANE (EDB)	ND (LOD=0.015 UG/G, DRY)	#	
DIBROMOMETHANE	ND (LOD=0.015 UG/G, DRY)	#	
1,2-DICHLOROBENZENE	ND (LOD=0.025 UG/G, DRY)	#	
1,3-DICHLOROBENZENE	ND (LOD=0.025 UG/G, DRY)	#	
1,4-DICHLOROBENZENE	ND (LOD=0.025 UG/G, DRY)	#	

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R.H. Laessig, Ph.D., Director

S.L. Inhorn, M.D., Medical Director

Environmental Science Section (608) 224-6269 DNR LAB ID 113133790
 ... continuing Labslip # OJ002468, Field # 1

DICHLORODIFLUOROMETHANE		ND (LOD=0.050 UG/G, DRY)	#
1,1-DICHLOROETHANE		ND (LOD=0.025 UG/G, DRY)	#
1,2-DICHLOROETHANE		ND (LOD=0.015 UG/G, DRY)	#
1,1-DICHLOROETHYLENE		ND (LOD=0.050 UG/G, DRY)	#
CIS-1,2-DICHLOROETHYLENE		ND (LOD=0.015 UG/G, DRY)	#
TRANS-1,2-DICHLOROETHYLENE		ND (LOD=0.025 UG/G, DRY)	#
1,2-DICHLOROPROPANE		ND (LOD=0.015 UG/G, DRY)	#
1,3-DICHLOROPROPANE		ND (LOD=0.050 UG/G, DRY)	#
2,2-DICHLOROPROPANE		ND (LOD=0.025 UG/G, DRY)	#
1,1-DICHLOROPROPENE		ND (LOD=0.025 UG/G, DRY)	#
CIS-1,3-DICHLOROPROPENE		ND (LOD=0.015 UG/G, DRY)	#
TRANS-1,3-DICHLOROPROPENE		ND (LOD=0.015 UG/G, DRY)	#
DIISOPROPYL ETHER		*MSL ND UG/G, DRY	#1
ETHYLBENZENE	+	2.0 UG/G, DRY	#1
HEXACHLOROBUTADIENE		ND (LOD=0.050 UG/G, DRY)	#
ISOPROPYLBENZENE		*QL 7.1 UG/G, DRY	#1
P-ISOPROPYLTOLUENE	+	0.44 UG/G, DRY	#1
METHYL ETHYL KETONE (MEK)		*QL ND UG/G, DRY	#1
METHYL ISOBUTYL KETONE (MIBK)		*QL 0.97 UG/G, DRY	#1
METHYL-TERT-BUTYL ETHER (MTBE)		ND (LOD=0.015 UG/G, DRY)	#
METHYLENE CHLORIDE		ND (LOD=0.025 UG/G, DRY)	#
NAPHTHALENE	+	0.25 UG/G, DRY	#1
N-PROPYLBENZENE	+	13. UG/G, DRY	#1
STYRENE		ND (LOD=0.015 UG/G, DRY)	#
1,1,1,2-TETRACHLOROETHANE		ND (LOD=0.025 UG/G, DRY)	#
1,1,2,2-TETRACHLOROETHANE		ND (LOD=0.025 UG/G, DRY)	#
TETRACHLOROETHYLENE		ND (LOD=0.025 UG/G, DRY)	#
TETRAHYDROFURAN (THF)		ND (LOD=0.25 UG/G, DRY)	#1
TOLUENE		*QL 1.1 UG/G, DRY	#1
1,2,3-TRICHLOROBENZENE		ND (LOD=0.025 UG/G, DRY)	#
1,2,4-TRICHLOROBENZENE		ND (LOD=0.025 UG/G, DRY)	#
1,1,1-TRICHLOROETHANE		ND (LOD=0.025 UG/G, DRY)	#
1,1,2-TRICHLOROETHANE		ND (LOD=0.015 UG/G, DRY)	#
TRICHLOROETHYLENE		ND (LOD=0.025 UG/G, DRY)	#
TRICHLOROFLUOROMETHANE		ND (LOD=0.025 UG/G, DRY)	#
1,2,3-TRICHLOROPROPANE		ND (LOD=0.025 UG/G, DRY)	#
1,1,2-TRICHLOROTRIFLUOETHANE		*RPD ND UG/G, DRY	#1
1,2,4-TRIMETHYLBENZENE	+	210. UG/G, DRY	#1
1,3,5-TRIMETHYLBENZENE	+	87. UG/G, DRY	#1
VINYL CHLORIDE		ND (LOD=0.025 UG/G, DRY)	#

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R.H. Laessig, Ph.D., Director S.L. Inhorn, M.D., Medical Director

Environmental Science Section (608) 224-6269 DNR LAB ID 113133790
... continuing Labslip # OJ002468, Field # 1

M/P-XYLENE *QL 15. UG/G, DRY #1
O-XYLENE *QL 12. UG/G, DRY #1
VOCS IN SOIL BY PURGE & TRAP-PREP-EPA METHOD 8021 C

---- test: PERCENT SOLIDS
SOLIDS

+ 94. %

---- test: SINGLE SAMPLE PREPARATION 23
SINGLE SAMPLE PREPARATION 23

C

--- Footnotes ---

+: Positive results are prefixed by a plus sign.
Remark #1: SEE OJ002468.MM1

Memo for OJ002468

--- OJ002468.MM1 - VOCS IN SOIL BY PURGE AND TRAP - EPA METHOD 8021 ---

The following qualifiers exist for the data that is reported for Wisconsin State Laboratory of Hygiene (WSLH) sample OJ002468.

Lower quality control limit is exceeded indicated by *QL.
Matrix spike does not meet lower QC limit indicated by *MSL.
The relative percent difference for the matrix spike and matrix spike duplicate does not meet the QC limit indicated by *RPD.

The concentration reported is based on the weight of soil sample collected. This weight can not be measured directly in this test, but must be determined by difference. The weight of the tared (empty) bottle plus the weight of the 25.0 mL of methanol is subtracted from the weight of the sample bottle containing the sample and methanol (both added in the field). It is assumed that exactly 25.0 mL of methanol is in the bottle at the time of analysis. Thus, the results should be interpreted considering that sample size, and therefore concentration, can not be determined precisely.

If you have any questions, contact David Degenhardt at (608) 224-6269.

I.D. Number, Permit or STORET	Point, Well or Outfall #	Field Number 2	County # 11	Route Code	Waterbody Number
-------------------------------	--------------------------	--------------------------	-----------------------	------------	------------------

Sample Address or Location
Charles Matthews Estate - Co Trk E, Tr Scott

Sample Point Description
soil - base of excavation, 12' deep

Send Report To		Sample Type (Non WS):	
First Name David	MI S	Last Name Edwards	<input type="checkbox"/> SU Surface Water <input type="checkbox"/> NP Storm Water <input type="checkbox"/> SE Sediment <input type="checkbox"/> SL Sludge <input type="checkbox"/> LE Leachate <input type="checkbox"/> TI Tissue <input type="checkbox"/> IF Influent (Untreated Wastewater) <input type="checkbox"/> EF Effluent (Treated Wastewater) <input type="checkbox"/> MW Monitoring Well <input type="checkbox"/> LY Lysimeter <input checked="" type="checkbox"/> SO Soil <input type="checkbox"/> OI Oil <input type="checkbox"/> OW Waste
Address WDNR - N7725 Hwy 28		Water System Type (Water Supply Use ONLY):	
City Hovicon		<input type="checkbox"/> MC Community-Municipality <input type="checkbox"/> OC Com.-Other than Municipal <input type="checkbox"/> NN Non-Transient Non-Community <input type="checkbox"/> TN Transient Non-Community <input type="checkbox"/> P Private <input type="checkbox"/> X Non-Potable	
State/Zip WI 53032		Sample Sources (WS ONLY):	
Account Number RR010 BRYO	Collected By D. Edwards	<input type="checkbox"/> D Distribution <input type="checkbox"/> E Entry Point <input type="checkbox"/> W Well	
Lakes Grant or WTR Project # per D. Edwards 4/30/99	Telephone No 920 387-7870	Sample Type (SDWA ONLY):	
<input checked="" type="checkbox"/> E Enforcement	Date Results Needed (MM/DD/YYYY) (if needed)	<input type="checkbox"/> D Compliance Sample <input type="checkbox"/> C Confirmation <input type="checkbox"/> W Raw Water Sample <input checked="" type="checkbox"/> I Investigation	
Begin or Grab Date (MM/DD/YYYY) 4/28/99	Begin Time (24-hr clock) 10:11	Is Sample Chlorinated? <input type="checkbox"/> Yes <input type="checkbox"/> No	
End Date - For Composite Samples Only (MM/DD/YYYY)	End Time (24-hr clock) - For Composite Samples Only		

For Lab Use:
Priority

VOCs Water/Soil (check one of the following.)

Quantification (EPA Method 8260)
 Quantification (Drinking Water-EPA Method 524.2)

Priority Pollutant Scan (Non-VOC)

Priority Pollutant Pesticides
 Priority Pollutant Base/Neutral/Acid

PCBs

Aroclor Identification
 Congeners
 Coplanar

Petroleum Products

Gasoline
 Fuel Oil #1
 Fuel Oil #2
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 Prometon

Aldicarb and other carbamates
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 DCPA
 Ethylene Dibromide
 Linuron
 Fonofos

Butylate
 EPTC

Formaldehyde (Water Only)



Toxicity Characteristic Leaching Procedure (TCLP)
 (Check one or more of the following)

VOCs

Base/Neutral Extractables

2,4-Dinitrotoluene
 Hexachlorobenzene
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 Nitrobenzene
 Pyridine

Acid Extractables

2-Methylphenol
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 2,4,6-Trichlorophenol
 2,4,5-Trichlorophenol

Acid Herbicides

2,4-D
 2,4,5-TP (Silvex)

Chlorinated Pesticides

Chlordane
 Endrin
 Heptachlor
 Heptachlor Epoxide
 Lindane
 Methoxychlor
 Toxaphene

Ignitability (Haz. Waste Char.)

Additional parameters

For Lab Use:
 Temp °C **10**
 Analyst **[Signature]**

Date Received **APR 29 1999** Sample No **0J002469**

DPD

Partial Instructions

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Environmental Science Section (608) 224-6269 DNR LAB ID 113133790
Organic chemistry

Id: Point/Well/... Field #: 2 Route:
Collection Date: 04/28/99 Time: 10:11 County: 11 (Columbia)
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Description: SOIL - BASE OF EXCAVATION, 12' DEEP
To: DAVID S EDWARDS - WDNR
N7725 HWY 28 Source: Soil
HORICON, WI 53032
Account number: RR010 Collected by: D. EDWARDS
Enforcement
Date Received: 04/29/99 Labslip #: OJ002469 Reported: 06/29/99
Comment: This is a corrected version of an earlier report.

---- test: GCMS MISCELLANEOUS
COMMENT

C

---- test: TEMPERATURE ON RECEIPT-ICED - 0950
TEMPERATURE ON RECEIPT-ICED

ICED

---- test: VOCS IN SOIL BY PURGE AND TRAP - EPA METHOD 8021

ACETONE	*QL 0.66	UG/G, DRY #1	
BENZENE	+ 0.21	UG/G, DRY #1	
BROMOBENZENE	ND (LOD=0.015	UG/G, DRY)	#
BROMOCHLOROMETHANE	ND (LOD=0.015	UG/G, DRY)	#
BROMODICHLOROMETHANE	ND (LOD=0.015	UG/G, DRY)	#
BROMOFORM	ND (LOD=0.015	UG/G, DRY)	#
BROMOMETHANE	ND (LOD=0.015	UG/G, DRY)	#
N-BUTYLBENZENE	ND (LOD=0.015	UG/G, DRY)	#
SEC-BUTYLBENZENE	ND (LOD=0.015	UG/G, DRY)	#
TERT-BUTYLBENZENE	ND (LOD=0.015	UG/G, DRY)	#
CARBON DISULFIDE	ND (LOD=0.25	UG/G, DRY)	#1
CARBON TETRACHLORIDE	ND (LOD=0.025	UG/G, DRY)	#
CHLOROBENZENE	ND (LOD=0.015	UG/G, DRY)	#
CHLORODIBROMOMETHANE	ND (LOD=0.015	UG/G, DRY)	#
CHLOROETHANE	ND (LOD=0.025	UG/G, DRY)	#
CHLOROFORM	ND (LOD=0.025	UG/G, DRY)	#
CHLOROMETHANE	ND (LOD=0.050	UG/G, DRY)	#
2-CHLOROTOLUENE	ND (LOD=0.025	UG/G, DRY)	#
4-CHLOROTOLUENE	ND (LOD=0.050	UG/G, DRY)	#
1,2-DIBROMO-3-CHLOROPROPANE	ND (LOD=0.015	UG/G, DRY)	#
1,2-DIBROMOETHANE (EDB)	ND (LOD=0.015	UG/G, DRY)	#
DIBROMOMETHANE	ND (LOD=0.015	UG/G, DRY)	#
1,2-DICHLOROBENZENE	ND (LOD=0.025	UG/G, DRY)	#
1,3-DICHLOROBENZENE	ND (LOD=0.025	UG/G, DRY)	#
1,4-DICHLOROBENZENE	ND (LOD=0.025	UG/G, DRY)	#

State Laboratory of Hygiene
University of Wisconsin Center for Health Sciences
2601 Agriculture Drive, Madison, WI 53707-7996

R.H. Laessig, Ph.D., Director

S.L. Inhorn, M.D., Medical Director

Environmental Science Section

(608) 224-6269

DNR LAB ID 113133790

... continuing Labslip # OJ002469,

Field # 2

DICHLORODIFLUOROMETHANE		ND (LOD=0.050 UG/G, DRY)	#
1,1-DICHLOROETHANE		ND (LOD=0.025 UG/G, DRY)	#
1,2-DICHLOROETHANE		ND (LOD=0.015 UG/G, DRY)	#
1,1-DICHLOROETHYLENE		ND (LOD=0.050 UG/G, DRY)	#
CIS-1,2-DICHLOROETHYLENE		ND (LOD=0.015 UG/G, DRY)	#
TRANS-1,2-DICHLOROETHYLENE		ND (LOD=0.025 UG/G, DRY)	#
1,2-DICHLOROPROPANE		ND (LOD=0.015 UG/G, DRY)	#
1,3-DICHLOROPROPANE		ND (LOD=0.050 UG/G, DRY)	#
2,2-DICHLOROPROPANE		ND (LOD=0.025 UG/G, DRY)	#
1,1-DICHLOROPROPENE		ND (LOD=0.025 UG/G, DRY)	#
CIS-1,3-DICHLOROPROPENE		ND (LOD=0.015 UG/G, DRY)	#
TRANS-1,3-DICHLOROPROPENE		ND (LOD=0.015 UG/G, DRY)	#
DIISOPROPYL ETHER		*MSL ND UG/G, DRY #1	
ETHYLBENZENE	+	1.9 UG/G, DRY #1	
HEXACHLOROBUTADIENE		ND (LOD=0.050 UG/G, DRY)	#
ISOPROPYLBENZENE		*QL 0.70 UG/G, DRY #1	
P-ISOPROPYLTOLUENE		ND (LOD=0.015 UG/G, DRY)	#
METHYL ETHYL KETONE (MEK)		*QL 0.58 UG/G, DRY #1	
METHYL ISOBUTYL KETONE (MIBK)		*QL 4.1 UG/G, DRY #1	
METHYL-TERT-BUTYL ETHER (MTBE)		ND (LOD=0.015 UG/G, DRY)	#
METHYLENE CHLORIDE		ND (LOD=0.025 UG/G, DRY)	#
NAPHTHALENE	+	0.069 UG/G, DRY #1	
N-PROPYLBENZENE	+	1.9 UG/G, DRY #1	
STYRENE	+	0.26 UG/G, DRY #1	
1,1,1,2-TETRACHLOROETHANE		ND (LOD=0.025 UG/G, DRY)	#
1,1,2,2-TETRACHLOROETHANE		ND (LOD=0.025 UG/G, DRY)	#
TETRACHLOROETHYLENE		ND (LOD=0.025 UG/G, DRY)	#
TETRAHYDROFURAN (THF)		ND (LOD=0.25 UG/G, DRY)	#1
TOLUENE		*QL 0.99 UG/G, DRY #1	
1,2,3-TRICHLOROBENZENE		ND (LOD=0.025 UG/G, DRY)	#
1,2,4-TRICHLOROBENZENE		ND (LOD=0.025 UG/G, DRY)	#
1,1,1-TRICHLOROETHANE		ND (LOD=0.025 UG/G, DRY)	#
1,1,2-TRICHLOROETHANE		ND (LOD=0.015 UG/G, DRY)	#
TRICHLOROETHYLENE		ND (LOD=0.025 UG/G, DRY)	#
TRICHLOROFLUOROMETHANE		ND (LOD=0.025 UG/G, DRY)	#
1,2,3-TRICHLOROPROPANE		ND (LOD=0.025 UG/G, DRY)	#
1,1,2-TRICHLOROTRIFLUOROETHANE		*RPD ND UG/G, DRY #1	
1,2,4-TRIMETHYLBENZENE	+	11. UG/G, DRY #1	
1,3,5-TRIMETHYLBENZENE	+	21. UG/G, DRY #1	
VINYL CHLORIDE		ND (LOD=0.025 UG/G, DRY)	#

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University of Wisconsin Center for Health Sciences
2601 Agriculture Drive, Madison, WI 53707-7996

R.H. Laessig, Ph.D., Director S.L. Inhorn, M.D., Medical Director

Environmental Science Section (608) 224-6269 DNR LAB ID 113133790
... continuing Labslip # OJ002469, Field # 2

M/P-XYLENE	*QL 6.2	UG/G, DRY #1
O-XYLENE	*QL 6.2	UG/G, DRY #1
VOCS IN SOIL BY PURGE & TRAP-PREP-EPA METHOD 8021	C	

---- test: PERCENT SOLIDS
SOLIDS

+ 94. %

--- Footnotes ---

+: Positive results are prefixed by a plus sign.

Remark #1: SEE OJ002469.MM1

Memo for OJ002469

--- OJ002469.MM1 - VOCS IN SOIL BY PURGE AND TRAP - EPA METHOD 8021 ---

The following qualifiers exist for the data that is reported for Wisconsin State Laboratory of Hygiene (WSLH) sample OJ002469.

Lower quality control limit is exceeded indicated by *QL.
Matrix spike does not meet lower QC limit indicated by *MSL.
The relative percent difference for the matrix spike and matrix spike duplicate does not meet the QC limit indicated by *RPD.

The concentration reported is based on the weight of soil sample collected. This weight can not be measured directly in this test, but must be determined by difference. The weight of the tared (empty) bottle plus the weight of the 25.0 mL of methanol is subtracted from the weight of the sample bottle containing the sample and methanol (both added in the field). It is assumed that exactly 25.0 mL of methanol is in the bottle at the time of analysis. Thus, the results should be interpreted considering that sample size, and therefore concentration, can not be determined precisely.

If you have any questions, contact David Degenhardt at (608) 224-6269.

I.D. Number, Permit or STORET	Point, Well or Outfall #	Field Number 3	County # 11	Route Code	Waterbody Number
-------------------------------	--------------------------	--------------------------	-----------------------	------------	------------------

Sample Address or Location
Charles Matthews Estate - Co Trk E, In Scott

Sample Point Description
soil - west wall, 8' deep

Send Report To

First Name David	MI S	Last Name Edwards
Address WDNR - N7725 Hwy 28		
City Horicon	State WI	Zip 53032
Account Number RR010 RRTO	Collected By D. Edwards	
Lakes Grant or WR Project # per Edwards 4/30/99	Telephone No 920 387-7870	
<input checked="" type="checkbox"/> E Enforcement	Date Results Needed (MM/DD/YYYY) (if needed)	
Begin or Grab Date (MM/DD/YYYY) 4/28/99	Begin Time (24-hr clock) 10:13	
End Date - For Composite Samples Only (MM/DD/YYYY)	End Time (24-hr clock) - For Composite Samples Only	

Sample Type (Non WS):

<input type="checkbox"/> SU Surface Water	<input type="checkbox"/> IF Influent (Untreated Wastewater)
<input type="checkbox"/> NP Storm Water	<input type="checkbox"/> EF Effluent (Treated Wastewater)
<input type="checkbox"/> SE Sediment	<input type="checkbox"/> MW Monitoring Well
<input type="checkbox"/> SL Sludge	<input type="checkbox"/> LY Lysimeter
<input type="checkbox"/> LE Leachate	<input checked="" type="checkbox"/> SO Soil
<input type="checkbox"/> TI Tissue	<input type="checkbox"/> OI Oil
	<input type="checkbox"/> OW Waste

Water System Type (Water Supply Use ONLY):

<input type="checkbox"/> MC Community-Municipality	<input type="checkbox"/> D Distribution
<input type="checkbox"/> OC Com.-Other than Municipal	<input type="checkbox"/> E Entry Point
<input type="checkbox"/> NN Non-Transient Non-Community	<input type="checkbox"/> W Well
<input type="checkbox"/> TN Transient Non-Community	
<input type="checkbox"/> P Private	
<input type="checkbox"/> X Non-Potable	

Sample Sources (WS ONLY):

Sample Type (SDWA ONLY):

<input type="checkbox"/> D Compliance Sample
<input type="checkbox"/> C Confirmation
<input type="checkbox"/> W Raw Water Sample
<input checked="" type="checkbox"/> I Investigation

Is Sample Chlorinated? Yes No

For Lab Use:
Priority

VOCs Water/Soil (check one of the following.)

Quantification (EPA Method 8260)

Quantification (Drinking Water-EPA Method 524.2)

Priority Pollutant Scan (Non-VOC)

<input type="checkbox"/> Priority Pollutant Pesticides	<input type="checkbox"/> Phorate
<input type="checkbox"/> Priority Pollutant Base/Neutral/Acid	<input type="checkbox"/> Terbufos
	<input type="checkbox"/> Atrazine
	<input type="checkbox"/> Deethylatrazine
	<input type="checkbox"/> Deisopropylatrazine
	<input type="checkbox"/> Diaminoatrazine
	<input type="checkbox"/> Alachlor
	<input type="checkbox"/> Metalachlor
	<input type="checkbox"/> Cyanazine
	<input type="checkbox"/> Metribuzin
	<input type="checkbox"/> Simazine
	<input type="checkbox"/> Prometon
	<input type="checkbox"/> Aldicarb and other carbamates
	<input type="checkbox"/> Dimethoate
	<input type="checkbox"/> Dinoseb
	<input type="checkbox"/> DCPA
	<input type="checkbox"/> Ethylene Dibromide
	<input type="checkbox"/> Linuron
	<input type="checkbox"/> Fonofos
	<input type="checkbox"/> Butylate
	<input type="checkbox"/> EPTC
	<input type="checkbox"/> Formaldehyde (Water Only)

PCBs

<input type="checkbox"/> Aroclor Identification
<input type="checkbox"/> Congeners
<input type="checkbox"/> Coplanar

Petroleum Products

<input type="checkbox"/> Gasoline
<input type="checkbox"/> Fuel Oil #1
<input type="checkbox"/> Fuel Oil #2
<input type="checkbox"/> GRO
<input type="checkbox"/> DRO

PAHs (GC/MS)

PAHs (HPLC)

Carbaryl

Carbofuran

2,4-D

2,4,5-TP

2,4,5-T

Chloramben

Picloram

Dicamba



Toxicity Characteristic Leaching Procedure (TCLP)
 (Check one or more of the following)

VOCs

Base/Neutral Extractables

2,4-Dinitrotoluene
 Hexachlorobenzene
 Hexachlorobutadiene
 Nitrobenzene
 Pyridine

Acid Extractables

2-Methylphenol
 3 & 4-Methylphenol
 Pentachlorophenol
 2,4,6-Trichlorophenol
 2,4,5-Trichlorophenol

Acid Herbicides

2,4-D
 2,4,5-TP (Silvex)

Chlorinated Pesticides

Chlordane
 Endrin
 Heptachlor
 Heptachlor Epoxide
 Lindane
 Methoxychlor
 Toxaphene

Ignitability (Haz. Waste Char.)

Additional parameters

For Lab Use:
 Temp °C _____
 Analyst _____

Date Received **APR 29 1999** Sample N **OJ002470**

DPD

Partial Instructions

See Chapter 4 "Lab Slips" of the *Field Procedures Manual* (see <http://intranet/int/es/science/ls/fpm/IV.htm>) for further instructions and definitions.

The **ID Number, Permit or STORET and Point/Well** fields should contain the appropriate IDs, left justified, for the program system the sample is for:

Program	ID Number	Example	Pt./Well	Example
Water Supply - Privates	Unique Well #	AA999	Blank	
Water Supply - Publics RAW	PWS ID #	241005670	Well #	002
Water Supply - Publics DIST	PWS ID #	241005670	Blank	
Waste Management	License #	00130	Point ID	AD6
Watershed Management	Permit #	0000030	Outfall #	001
Fish Management & Habitat Protection	Storet #	265013	Blank	
Remediation & Redevelopment	CERCLIS #	006094197	Point ID	001
Remediation & Redevelopment	FID	268181770	Point ID	001
Remediation & Redevelopment	Brownfields #	000000003	Point ID	001

The **Sample Address or Location** field should be the "entity" name, and depends on the program the sample is for. For example, Facility, Site, Licensee, River/Lake, Owner, etc. Following this information, include the address of the facility or site (if appropriate).

The **Sample Point Description** field should include a description of the point within the property that the sample was collected. For example, secondary settling tank effluent or faucet prior to pressure tank.

The **Route Code** is a four-character code, which will be used to route the sample results from SLOH to whoever wants the results ("Send Report To:" section). These results are routed by the State Laboratory of Hygiene Computer.

First two characters	- Program code: WT, WA, DG, FH, etc.
Third character	- Office code: 1, 2, 4, 6, 7, 8 (see http://intranet/int/es/science/ls/fpm/IV.htm)
Fourth character	- Blank

The **Account Number** must be completed in order for the samples to be billed to the correct funding source. If you are unsure what the proper account number is refer to <http://intranet/int/es/science/ls/Account.htm> or contact the DNR Laboratory Coordinator or the State Laboratory of Hygiene.

The **Lake Grant or WR Project #** field should include the Lake Planning Grant Number or the Water Resources Approved Monitoring Plan Number.

County Code

Adams	01	Iowa	25	Polk	49
Ashland	02	Iron	26	Portage	50
Barron	03	Jackson	27	Price	51
Bayfield	04	Jefferson	28	Racine	52
Brown	05	Juneau	29	Richland	53
Buffalo	06	Kenosha	30	Rock	54
Burnett	07	Kewaunee	31	Rusk	55
Calumet	08	La Crosse	32	St. Croix	56
Chippewa	09	Lafayette	33	Sauk	57
Clark	10	Langlade	34	Sawyer	58
Columbia	11	Lincoln	35	Shawano	59
Crawford	12	Manitowoc	36	Sheboygan	60
Dane	13	Marathon	37	Taylor	61
Dodge	14	Marinette	38	Trempealeau	62
Door	15	Marquette	39	Vernon	63
Douglas	16	Menominee	40	Vilas	64
Dunn	17	Milwaukee	41	Walworth	65
Eau Claire	18	Monroe	42	Washburn	66
Florence	19	Oconto	43	Washington	67
Fond du Lac	20	Oneida	44	Waukesha	68
Forest	21	Outagamie	45	Waupaca	69
Grant	22	Ozaukee	46	Waushara	70
Green	23	Pepin	47	Winnebago	71
Green Lake	24	Pierce	48	Wood	72

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R.H. Laessig, Ph.D., Director

S.L. Inhorn, M.D., Medical Director

Environmental Science Section
Organic chemistry

(608) 224-6269

DNR LAB ID 113133790

Id: Point/Well/... Field #: 3 Route:

Collection Date: 04/28/99 Time: 10:13 County: 11 (Columbia)

From: CHARLES MATTHEWS ESTATE - CO TRK E, TN SCOTT

Description: SOIL - WEST WALL, 8' DEEP

To: DAVID S EDWARDS - WDNR

N7725 HWY 28

Source: Soil

HORICON, WI 53032

Account number: RR010

Collected by: D. EDWARDS

Enforcement

Date Received: 04/29/99

Labslip #: OJ002470

Reported: 06/29/99

Comment: This is a corrected version of an earlier report.

---- test: GCMS MISCELLANEOUS
COMMENT

C

---- test: TEMPERATURE ON RECEIPT-ICED - 0950
TEMPERATURE ON RECEIPT-ICED

ICED

---- test: VOCS IN SOIL BY PURGE AND TRAP - EPA METHOD 8021

	*QL ND	UG/G, DRY #1	
ACETONE	ND (LOD=0.015 UG/G, DRY)	#	
BENZENE	ND (LOD=0.015 UG/G, DRY)	#	
BROMOBENZENE	ND (LOD=0.015 UG/G, DRY)	#	
BROMOCHLOROMETHANE	ND (LOD=0.015 UG/G, DRY)	#	
BROMODICHLOROMETHANE	ND (LOD=0.015 UG/G, DRY)	#	
BROMOFORM	ND (LOD=0.015 UG/G, DRY)	#	
BROMOMETHANE	ND (LOD=0.015 UG/G, DRY)	#	
N-BUTYLBENZENE	ND (LOD=0.015 UG/G, DRY)	#	
SEC-BUTYLBENZENE	ND (LOD=0.015 UG/G, DRY)	#	
TERT-BUTYLBENZENE	ND (LOD=0.015 UG/G, DRY)	#	
CARBON DISULFIDE	ND (LOD=0.25 UG/G, DRY)	#1	
CARBON TETRACHLORIDE	ND (LOD=0.025 UG/G, DRY)	#	
CHLOROBENZENE	ND (LOD=0.015 UG/G, DRY)	#	
CHLORODIBROMOMETHANE	ND (LOD=0.015 UG/G, DRY)	#	
CHLOROETHANE	ND (LOD=0.025 UG/G, DRY)	#	
CHLOROFORM	ND (LOD=0.025 UG/G, DRY)	#	
CHLOROMETHANE	ND (LOD=0.050 UG/G, DRY)	#	
2-CHLOROTOLUENE	ND (LOD=0.025 UG/G, DRY)	#	
4-CHLOROTOLUENE	ND (LOD=0.050 UG/G, DRY)	#	
1,2-DIBROMO-3-CHLOROPROPANE	ND (LOD=0.015 UG/G, DRY)	#	
1,2-DIBROMOETHANE (EDB)	ND (LOD=0.015 UG/G, DRY)	#	
DIBROMOMETHANE	ND (LOD=0.015 UG/G, DRY)	#	
1,2-DICHLOROBENZENE	ND (LOD=0.025 UG/G, DRY)	#	
1,3-DICHLOROBENZENE	ND (LOD=0.025 UG/G, DRY)	#	
1,4-DICHLOROBENZENE	ND (LOD=0.025 UG/G, DRY)	#	

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S.L. Inhorn, M.D., Medical Director

 Environmental Science Section (608) 224-6269 DNR LAB ID 113133790
 ... continuing Labslip # OJ002470, Field # 3

DICHLORODIFLUOROMETHANE	ND (LOD=0.050 UG/G, DRY) #
1,1-DICHLOROETHANE	ND (LOD=0.025 UG/G, DRY) #
1,2-DICHLOROETHANE	ND (LOD=0.015 UG/G, DRY) #
1,1-DICHLOROETHYLENE	ND (LOD=0.050 UG/G, DRY) #
CIS-1,2-DICHLOROETHYLENE	ND (LOD=0.015 UG/G, DRY) #
TRANS-1,2-DICHLOROETHYLENE	ND (LOD=0.025 UG/G, DRY) #
1,2-DICHLOROPROPANE	ND (LOD=0.015 UG/G, DRY) #
1,3-DICHLOROPROPANE	ND (LOD=0.050 UG/G, DRY) #
2,2-DICHLOROPROPANE	ND (LOD=0.025 UG/G, DRY) #
1,1-DICHLOROPROPENE	ND (LOD=0.025 UG/G, DRY) #
CIS-1,3-DICHLOROPROPENE	ND (LOD=0.015 UG/G, DRY) #
TRANS-1,3-DICHLOROPROPENE	ND (LOD=0.015 UG/G, DRY) #
DIISOPROPYL ETHER	*MSL ND UG/G, DRY #1
ETHYLBENZENE	+ 0.14 UG/G, DRY #1
HEXACHLOROBUTADIENE	ND (LOD=0.050 UG/G, DRY) #
ISOPROPYLBENZENE	*QL 0.32 UG/G, DRY #1
P-ISOPROPYLTOLUENE	ND (LOD=0.015 UG/G, DRY) #
METHYL ETHYL KETONE (MEK)	*QL ND UG/G, DRY #1
METHYL ISOBUTYL KETONE (MIBK)	*QL 0.49 UG/G, DRY #1
METHYL-TERT-BUTYL ETHER (MTBE)	ND (LOD=0.015 UG/G, DRY) #
METHYLENE CHLORIDE	ND (LOD=0.025 UG/G, DRY) #
NAPHTHALENE	+ 0.022 UG/G, DRY #1
detected between 0.015 (LOD) and 0.050 (LOQ)	UG/G, DRY
N-PROPYLBENZENE	+ 0.88 UG/G, DRY #1
STYRENE	+ 0.13 UG/G, DRY #1
1,1,1,2-TETRACHLOROETHANE	ND (LOD=0.025 UG/G, DRY) #
1,1,2,2-TETRACHLOROETHANE	ND (LOD=0.025 UG/G, DRY) #
TETRACHLOROETHYLENE	ND (LOD=0.025 UG/G, DRY) #
TETRAHYDROFURAN (THF)	ND (LOD=0.25 UG/G, DRY) #1
TOLUENE	*QL 0.20 UG/G, DRY #1
1,2,3-TRICHLOROBENZENE	ND (LOD=0.025 UG/G, DRY) #
1,2,4-TRICHLOROBENZENE	ND (LOD=0.025 UG/G, DRY) #
1,1,1-TRICHLOROETHANE	ND (LOD=0.025 UG/G, DRY) #
1,1,2-TRICHLOROETHANE	ND (LOD=0.015 UG/G, DRY) #
TRICHLOROETHYLENE	ND (LOD=0.025 UG/G, DRY) #
TRICHLOROFLUOROMETHANE	ND (LOD=0.025 UG/G, DRY) #
1,2,3-TRICHLOROPROPANE	ND (LOD=0.025 UG/G, DRY) #
1,1,2-TRICHLOROTRIFLUOETHANE	*RPD ND UG/G, DRY #1
1,2,4-TRIMETHYLBENZENE	+ 6.9 UG/G, DRY #1
1,3,5-TRIMETHYLBENZENE	+ 2.6 UG/G, DRY #1
VINYL CHLORIDE	ND (LOD=0.025 UG/G, DRY) #

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R.H. Laessig, Ph.D., Director S.L. Inhorn, M.D., Medical Director

Environmental Science Section (608) 224-6269 DNR LAB ID 113133790
... continuing Labslip # OJ002470, Field # 3

M/P-XYLENE *QL 0.39 UG/G, DRY #1
O-XYLENE *QL 0.44 UG/G, DRY #1
VOCS IN SOIL BY PURGE & TRAP-PREP-EPA METHOD 8021 C

---- test: PERCENT SOLIDS
SOLIDS

+ 98. %

--- Footnotes ---

+: Positive results are prefixed by a plus sign.
Remark #1: SEE OJ002470.MM1

Memo for OJ002470

--- OJ002470.MM1 - VOCS IN SOIL BY PURGE AND TRAP - EPA METHOD 8021 ---

The following qualifiers exist for the data that is reported for Wisconsin State Laboratory of Hygiene (WSLH) sample OJ002470.

Lower quality control limit is exceeded indicated by *QL.
Matrix spike does not meet lower QC limit indicated by *MSL.
The relative percent difference for the matrix spike and matrix spike duplicate does not meet the QC limit indicated by *RPD.

The concentration reported is based on the weight of soil sample collected. This weight can not be measured directly in this test, but must be determined by difference. The weight of the tared (empty) bottle plus the weight of the 25.0 mL of methanol is subtracted from the weight of the sample bottle containing the sample and methanol (both added in the field). It is assumed that exactly 25.0 mL of methanol is in the bottle at the time of analysis. Thus, the results should be interpreted considering that sample size, and therefore concentration, can not be determined precisely.

If you have any questions, contact David Degenhardt at (608) 224-6269.

I.D. Number, Permit or STORET	Point, Well or Outfall #	Field Number 4	County # 11	Route Code	Waterbody Number
-------------------------------	--------------------------	--------------------------	-----------------------	------------	------------------

Sample Address or Location
Charles Matthews Estate - Co Trk E, Tr Scott

Sample Point Description
soil - south wall, 9' deep

Send Report To

First Name David	MI S	Last Name Edwards
Address WDNR - W7725 Hwy 28		
City Horicon		State Zip WI 53032
Account Number RR010 RR70	Collected By D. Edwards	
Lakes Grant or WR Project # per Edwards 4/30/99	Telephone No 920 387-7870	
<input checked="" type="checkbox"/> Enforcement	Date Results Needed (MM/DD/YYYY) (if needed)	
Begin or Grab Date (MM/DD/YYYY) 4/29/99	Begin Time (24-hr clock) 10:14	
End Date - For Composite Samples Only (MM/DD/YYYY)	End Time (24-hr clock) - For Composite Samples Only	

Sample Type (Non WS):

<input type="checkbox"/> SU Surface Water	<input type="checkbox"/> IF Influent (Untreated Wastewater)
<input type="checkbox"/> NP Storm Water	<input type="checkbox"/> EF Effluent (Treated Wastewater)
<input type="checkbox"/> SE Sediment	<input type="checkbox"/> MW Monitoring Well
<input type="checkbox"/> SL Sludge	<input type="checkbox"/> LY Lysimeter
<input type="checkbox"/> LE Leachate	<input checked="" type="checkbox"/> SO Soil
<input type="checkbox"/> TI Tissue	<input type="checkbox"/> OI Oil
	<input type="checkbox"/> OW Waste

Water System Type (Water Supply Use ONLY):

<input type="checkbox"/> MC Community-Municipality	<input type="checkbox"/> D Distribution
<input type="checkbox"/> OC Com.-Other than Municipal	<input type="checkbox"/> E Entry Point
<input type="checkbox"/> NN Non-Transient Non-Community	<input type="checkbox"/> W Well
<input type="checkbox"/> TN Transient Non-Community	
<input type="checkbox"/> P Private	
<input type="checkbox"/> X Non-Potable	

Sample Sources (WS ONLY):

Sample Type (SDWA ONLY):

<input type="checkbox"/> D Compliance Sample
<input type="checkbox"/> C Confirmation
<input type="checkbox"/> W Raw Water Sample
<input checked="" type="checkbox"/> I Investigation

Is Sample Chlorinated? Yes No

For Lab Use:
Priority

VOCs Water/Soil (check one of the following.)

Quantification (EPA Method 8260)

Quantification (Drinking Water-EPA Method 524.2)

Priority Pollutant Scan (Non-VOC)

Priority Pollutant Pesticides

Priority Pollutant Base/Neutral/Acid

PCBs

Aroclor Identification

Congeners

Coplanar

Petroleum Products

Gasoline

Fuel Oil #1

Fuel Oil #2

GRO

DRO

PAHs (GC/MS)

PAHs (HPLC)

Carbaryl

Carbofuran

2,4-D

2,4,5-TP

2,4,5-T

Chloramben

Picloram

Dicamba

Phorate

Terbufos

Atrazine

Deethylatrazine

Deisopropylatrazine

Diaminoatrazine

Alachlor

Metalachlor

Cyanazine

Metribuzin

Simazine

Prometon

Aldicarb and other carbamates

Dimethoate

Dinoseb

DCPA

Ethylene Dibromide

Linuron

Fonofos

Butylate

EPTC

Formaldehyde (Water Only)



Toxicity Characteristic Leaching Procedure (TCLP)
 (Check one or more of the following)

VOCs

Base/Neutral Extractables

2,4-Dinitrotoluene

Hexachlorobenzene

Hexachlorobutadiene

Nitrobenzene

Pyridine

Acid Extractables

2-Methylphenol

3 & 4-Methylphenol

Pentachlorophenol

2,4,6-Trichlorophenol

2,4,5-Trichlorophenol

Acid Herbicides

2,4-D

2,4,5-TP (Silvex)

Chlorinated Pesticides

Chlordane

Endrin

Heptachlor

Heptachlor Epoxide

Lindane

Methoxychlor

Toxaphene

Ignitability (Haz. Waste Char.)

Additional parameters

Date Received **APR 29 1999**

Sample N **0J002471**

For Lab Use:
 Temp °C _____
 Analyst _____

Partial Instructions

See Chapter 4 "Lab Slips" of the *Field Procedures Manual* (see <http://intranet/int/es/science/ls/fpm/IV.htm>) for further instructions and definitions.

The **ID Number, Permit or STORET and Point/Well** fields should contain the appropriate IDs, left justified, for the program system the sample is for:

Program	ID Number	Example	Pt./Well	Example
Water Supply - Privates	Unique Well #	AA999	Blank	
Water Supply - Publics RAW	PWS ID #	241005670	Well #	002
Water Supply - Publics DIST	PWS ID #	241005670	Blank	
Waste Management	License #	00130	Point ID	AD6
Watershed Management	Permit #	0000030	Outfall #	001
Fish Management & Habitat Protection	Storet #	265013	Blank	
Remediation & Redevelopment	CERCLIS #	006094197	Point ID	001
Remediation & Redevelopment	FID	268181770	Point ID	001
Remediation & Redevelopment	Brownfields #	000000003	Point ID	001

The **Sample Address or Location** field should be the "entity" name, and depends on the program the sample is for. For example, Facility, Site, Licensee, River/Lake, Owner, etc. Following this information, include the address of the facility or site (if appropriate).

The **Sample Point Description** field should include a description of the point within the property that the sample was collected. For example, secondary settling tank effluent or faucet prior to pressure tank.

The **Route Code** is a four-character code, which will be used to route the sample results from SLOH to whoever wants the results ("Send Report To:" section). These results are routed by the State Laboratory of Hygiene Computer.

First two characters	- Program code: WT, WA, DG, FH, etc.
Third character	- Office code: 1, 2, 4, 6, 7, 8 (see http://intranet/int/es/science/ls/fpm/IV.htm)
Fourth character	- Blank

The **Account Number** must be completed in order for the samples to be billed to the correct funding source. If you are unsure what the proper account number is refer to <http://intranet/int/es/science/ls/Account.htm> or contact the DNR Laboratory Coordinator or the State Laboratory of Hygiene.

The **Lake Grant or WR Project #** field should include the Lake Planning Grant Number or the Water Resources Approved Monitoring Plan Number.

County Code

Adams	01	Iowa	25	Polk	49
Ashland	02	Iron	26	Portage	50
Barron	03	Jackson	27	Price	51
Bayfield	04	Jefferson	28	Racine	52
Brown	05	Juneau	29	Richland	53
Buffalo	06	Kenosha	30	Rock	54
Burnett	07	Kewaunee	31	Rusk	55
Calumet	08	La Crosse	32	St. Croix	56
Chippewa	09	Lafayette	33	Sauk	57
Clark	10	Langlade	34	Sawyer	58
Columbia	11	Lincoln	35	Shawano	59
Crawford	12	Manitowoc	36	Sheboygan	60
Dane	13	Marathon	37	Taylor	61
Dodge	14	Marinette	38	Trempealeau	62
Door	15	Marquette	39	Vernon	63
Douglas	16	Menominee	40	Vilas	64
Dunn	17	Milwaukee	41	Walworth	65
Eau Claire	18	Monroe	42	Washburn	66
Florence	19	Oconto	43	Washington	67
Fond du Lac	20	Oneida	44	Waukesha	68
Forest	21	Outagamie	45	Waupaca	69
Grant	22	Ozaukee	46	Waushara	70
Green	23	Pepin	47	Winnebago	71
Green Lake	24	Pierce	48	Wood	72

State Laboratory of Hygiene
University of Wisconsin Center for Health Sciences
2601 Agriculture Drive, Madison, WI 53707-7996

R.H. Laessig, Ph.D., Director S.L. Inhorn, M.D., Medical Director

Environmental Science Section (608) 224-6269 DNR LAB ID 113133790
Organic chemistry

Id: Point/Well/... Field #: 4 Route:

Collection Date: 04/29/99 Time: 10:14 County: 11 (Columbia)

From: CHARLES MATTHEWS ESTATE - CO TRK E, TN SCOTT

Description: SOIL - SOUTH WALL, 9' DEEP

To: DAVID S EDWARDS - WDNR

N7725 HWY 28

Source: Soil

HORICON, WI 53032

Account number: RR010

Collected by: D. EDWARDS

Enforcement

Date Received: 04/29/99 Labslip #: OJ002471 Reported: 06/29/99

Comment: This is a corrected version of an earlier report.

---- test: GCMS MISCELLANEOUS
COMMENT

C

---- test: TEMPERATURE ON RECEIPT-ICED - 0950
TEMPERATURE ON RECEIPT-ICED

ICED

---- test: VOCS IN SOIL BY PURGE AND TRAP - EPA METHOD 8021

	*QL ND	UG/G, DRY #1	
ACETONE	ND	(LOD=0.015 UG/G, DRY)	#
BENZENE	ND	(LOD=0.015 UG/G, DRY)	#
BROMOBENZENE	ND	(LOD=0.015 UG/G, DRY)	#
BROMOCHLOROMETHANE	ND	(LOD=0.015 UG/G, DRY)	#
BROMODICHLOROMETHANE	ND	(LOD=0.015 UG/G, DRY)	#
BROMOFORM	ND	(LOD=0.015 UG/G, DRY)	#
BROMOMETHANE	ND	(LOD=0.015 UG/G, DRY)	#
N-BUTYLBENZENE	ND	(LOD=0.015 UG/G, DRY)	#
SEC-BUTYLBENZENE	ND	(LOD=0.015 UG/G, DRY)	#
TERT-BUTYLBENZENE	ND	(LOD=0.015 UG/G, DRY)	#
CARBON DISULFIDE	ND	(LOD=0.25 UG/G, DRY)	#1
CARBON TETRACHLORIDE	ND	(LOD=0.025 UG/G, DRY)	#
CHLOROBENZENE	ND	(LOD=0.015 UG/G, DRY)	#
CHLORODIBROMOMETHANE	ND	(LOD=0.015 UG/G, DRY)	#
CHLOROETHANE	ND	(LOD=0.025 UG/G, DRY)	#
CHLOROFORM	ND	(LOD=0.025 UG/G, DRY)	#
CHLOROMETHANE	ND	(LOD=0.050 UG/G, DRY)	#
2-CHLOROTOLUENE	ND	(LOD=0.025 UG/G, DRY)	#
4-CHLOROTOLUENE	ND	(LOD=0.050 UG/G, DRY)	#
1,2-DIBROMO-3-CHLOROPROPANE	ND	(LOD=0.015 UG/G, DRY)	#
1,2-DIBROMOETHANE (EDB)	ND	(LOD=0.015 UG/G, DRY)	#
DIBROMOMETHANE	ND	(LOD=0.015 UG/G, DRY)	#
1,2-DICHLOROBENZENE	ND	(LOD=0.025 UG/G, DRY)	#
1,3-DICHLOROBENZENE	ND	(LOD=0.025 UG/G, DRY)	#
1,4-DICHLOROBENZENE	ND	(LOD=0.025 UG/G, DRY)	#

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 Environmental Science Section (608) 224-6269 DNR LAB ID 113133790
 ... continuing Labslip # OJ002471, Field # 4

DICHLORODIFLUOROMETHANE	ND (LOD=0.050 UG/G, DRY)	#
1,1-DICHLOROETHANE	ND (LOD=0.025 UG/G, DRY)	#
1,2-DICHLOROETHANE	ND (LOD=0.015 UG/G, DRY)	#
1,1-DICHLOROETHYLENE	ND (LOD=0.050 UG/G, DRY)	#
CIS-1,2-DICHLOROETHYLENE	ND (LOD=0.015 UG/G, DRY)	#
TRANS-1,2-DICHLOROETHYLENE	ND (LOD=0.025 UG/G, DRY)	#
1,2-DICHLOROPROPANE	ND (LOD=0.015 UG/G, DRY)	#
1,3-DICHLOROPROPANE	ND (LOD=0.050 UG/G, DRY)	#
2,2-DICHLOROPROPANE	ND (LOD=0.025 UG/G, DRY)	#
1,1-DICHLOROPROPENE	ND (LOD=0.025 UG/G, DRY)	#
CIS-1,3-DICHLOROPROPENE	ND (LOD=0.015 UG/G, DRY)	#
TRANS-1,3-DICHLOROPROPENE	ND (LOD=0.015 UG/G, DRY)	#
DIISOPROPYL ETHER	*MSL ND UG/G, DRY	#1
ETHYLBENZENE	ND (LOD=0.025 UG/G, DRY)	#
HEXACHLOROBUTADIENE	ND (LOD=0.050 UG/G, DRY)	#
ISOPROPYLBENZENE	*QL 0.26 UG/G, DRY	#1
P-ISOPROPYLTOLUENE	ND (LOD=0.015 UG/G, DRY)	#
METHYL ETHYL KETONE (MEK)	*QL ND UG/G, DRY	#1
METHYL ISOBUTYL KETONE (MIBK)	*QL 0.057 UG/G, DRY	#1
METHYL-TERT-BUTYL ETHER (MTBE)	ND (LOD=0.015 UG/G, DRY)	#
METHYLENE CHLORIDE	ND (LOD=0.025 UG/G, DRY)	#
NAPHTHALENE	+ 0.024 UG/G, DRY	#1
detected between 0.015 (LOD) and 0.050 (LOQ) UG/G, DRY		
N-PROPYLBENZENE	+ 0.48 UG/G, DRY	#1
STYRENE	+ 0.18 UG/G, DRY	#1
1,1,1,2-TETRACHLOROETHANE	ND (LOD=0.025 UG/G, DRY)	#
1,1,2,2-TETRACHLOROETHANE	ND (LOD=0.025 UG/G, DRY)	#
TETRACHLOROETHYLENE	ND (LOD=0.025 UG/G, DRY)	#
TETRAHYDROFURAN (THF)	ND (LOD=0.25 UG/G, DRY)	#1
TOLUENE	*QL 0.22 UG/G, DRY	#1
1,2,3-TRICHLOROBENZENE	ND (LOD=0.025 UG/G, DRY)	#
1,2,4-TRICHLOROBENZENE	ND (LOD=0.025 UG/G, DRY)	#
1,1,1-TRICHLOROETHANE	ND (LOD=0.025 UG/G, DRY)	#
1,1,2-TRICHLOROETHANE	ND (LOD=0.015 UG/G, DRY)	#
TRICHLOROETHYLENE	ND (LOD=0.025 UG/G, DRY)	#
TRICHLOROFLUOROMETHANE	ND (LOD=0.025 UG/G, DRY)	#
1,2,3-TRICHLOROPROPANE	ND (LOD=0.025 UG/G, DRY)	#
1,1,2-TRICHLOROTRIFLUOROETHANE	*RPD ND UG/G, DRY	#1
1,2,4-TRIMETHYLBENZENE	+ 3.1 UG/G, DRY	#1
1,3,5-TRIMETHYLBENZENE	+ 1.4 UG/G, DRY	#1
VINYL CHLORIDE	ND (LOD=0.025 UG/G, DRY)	#

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... continuing Labslip # OJ002471, Field # 4

M/P-XYLENE		*QL 0.61	UG/G, DRY #1
O-XYLENE	+	0.44	UG/G, DRY #1
VOCS IN SOIL BY PURGE & TRAP-PREP-EPA METHOD 8021		C	

test: PERCENT SOLIDS			
SOLIDS	+	89.	%

--- Footnotes ---

+: Positive results are prefixed by a plus sign.
Remark #1: SEE OJ002471.MM1

Memo for OJ002471

--- OJ002471.MM1 - VOCS IN SOIL BY PURGE AND TRAP - EPA METHOD 8021 ---

The following qualifiers exist for the data that is reported for Wisconsin State Laboratory of Hygiene (WSLH) sample OJ002471.

Lower quality control limit is exceeded indicated by *QL.
Matrix spike does not meet lower QC limit indicated by *MSL.
The relative percent difference for the matrix spike and matrix spike duplicate does not meet the QC limit indicated by *RPD.

The concentration reported is based on the weight of soil sample collected. This weight can not be measured directly in this test, but must be determined by difference. The weight of the tared (empty) bottle plus the weight of the 25.0 mL of methanol is subtracted from the weight of the sample bottle containing the sample and methanol (both added in the field). It is assumed that exactly 25.0 mL of methanol is in the bottle at the time of analysis. Thus, the results should be interpreted considering that sample size, and therefore concentration, can not be determined precisely.

If you have any questions, contact David Degenhardt at (608) 224-6269.