



17303

YPSILANTI COMMUNITY UTILITIES AUTHORITY

2777 STATE ROAD
YPSILANTI, MICHIGAN 48198-9112
TELEPHONE: (734) 484-4600
FAX: (734) 484-3369
WEBSITE: www.ycua.org

June 1, 2012

Ms. Beth Landale
Project Manager
Conestoga-Rovers & Associates
14496 Sheldon Road, Suite 200
Plymouth, MI 48170

RE: Monitoring Event Analytical Results (I.U. Permit #RA 6-12)

Dear Ms. Landale:

Enclosed please find the results for the recent monitoring event of the industrial effluent at Outfall 001 located at 2901 Tyler Road in Ypsilanti, Michigan. The monitoring event was conducted by the industrial surveillance staff of the Ypsilanti Community Utilities Authority. All analytical test results are within the parameters of the current Ypsilanti Township Sewer Use Ordinance and/or Industrial User Permit #RA 6-12.

Thank you for your continued dedication and support of the environment. Please contact me with any questions you may have regarding these results by phone at 734-484-4600 ext.123 or by email at lblackburn@ycua.org.

Sincerely,

A handwritten signature in black ink, appearing to read 'L. Blackburn', is written over the 'Sincerely,' text.

Luther Blackburn
YCUA Industrial Pretreatment Program Supervisor

Enclosure: YCUA Laboratory Report

Cc: YCUA IPP Dept. File



2777 State Road, Ypsilanti, MI 48198-9112
Telephone No. (734) 484-4600; Fax No. (734) 484-4699

LABORATORY REPORT

CLIENT / FACILITY NAME	R.A.C.E.R. TRUST- CVO Site					
SAMPLE MATRIX:	INDUSTRIAL WASTEWATER (grab/composite)					
SAMPLER SET-UP	05/03/2011					
SAMPLE COLLECTION	05/04/2011					
ATTN:	Ms. Beth Landale – RACER ; Luther Blackburn - YCUA					
REPORT DATE:	05/25/2012					
SAMPLE DATE:	05/03-04/12					
PARAMETER	MDL	UNITS	RESULTS	DATE OF ANALYSIS	METHOD	LAB TECH
pH (field reading)	---	s.u.	7.26	05/03/2012	SM 4500-H ⁺	LM
Biochemical Oxygen Demand (BOD)	2.0	mg/L	NA		SM 5210B	
Chemical Oxygen Demand (COD)	40	mg/L	82	05/10/2012	HACH 8000 /SM 5220D	LM
Total Suspended Solids (TSS)	1.0	mg/L	3	05/04/2012	SM 2540D	LC
Nitrogen, Ammonia	0.05	mg/L	1.25	05/04/2012	EPA 350.3	KL
Fats, Oil and Grease (FOG)	5	mg/L	ND	05/10/2012	EPA 1664	LM
Phosphorus, Total	0.02	mg/L	0.06	05/04/2012	EPA 365.2	KL
Phenol	10	ug/L	ND	05/08/2012	EPA 420.1	BA/RM
VOC's	1	ug/L	ND	05/07/2012	EPA 624	BA/RG
PCB's	0.2	ug/L	ND	05/07/2012	EPA 608	BA/BY
Mercury	0.2	ug/L	ND	05/07/2012	EPA 245.1	BA/KW

APPROVED BY


Steve Wyzgoski, Chemist

ND = Not detectable at or above the MDL
MDL = Method detection limit
NA = Not Analyzed



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ATTN:	Ms. Beth Landale – RACER ; Luther Blackburn - YCUA					
REPORT DATE:	05/25/2012					
SAMPLE DATE:			05/03/2012			
PARAMETER	MDL	UNITS	RESULTS	DATE OF ANALYSIS	METHOD	LAB TECH
Arsenic	0.01	mg/L	ND	05/25/2012	EPA 200.7	SW
Antimony	0.01	mg/L	ND	05/25/2012	EPA 200.7	SW
Barium	0.01	mg/L	0.56	05/25/2012	EPA 200.7	SW
Beryllium	0.01	mg/L	ND	05/25/2012	EPA 200.7	SW
Boron	0.01	mg/L	0.41	05/25/2012	EPA 200.7	SW
Cadmium	0.01	mg/L	ND	05/25/2012	EPA 200.7	SW
Chromium	0.01	mg/L	ND	05/25/2012	EPA 200.7	SW
Cobalt	0.01	mg/L	ND	05/25/2012	EPA 200.7	SW
Copper	0.01	mg/L	ND	05/25/2012	EPA 200.7	SW
Lead	0.01	mg/L	ND	05/25/2012	EPA 200.7	SW
Manganese	0.01	mg/L	9.39	05/25/2012	EPA 200.7	SW
Nickel	0.01	mg/L	0.01	05/25/2012	EPA 200.7	SW
Selenium	0.01	mg/L	ND	05/25/2012	EPA 200.7	SW
Silver	0.01	mg/L	ND	05/25/2012	EPA 200.7	SW
Thallium	0.01	mg/L	ND	05/25/2012	EPA 200.7	SW
Zinc	0.01	mg/L	ND	05/25/2012	EPA 200.7	SW

APPROVED BY


Steve Wyzgoski, Chemist

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NA = Not Analyzed

To: Ypsilanti Comm. Utilities Auth.
2777 State Rd.
Ypsilanti, MI 48198Sample Date: 5/3/2012
Submit Date: 5/4/2012
Report Date: 5/8/2012BA Report Number: 19285
BA Sample ID: BW08475Project Name: **Racer Trust CVO Monitoring Event**
Project Number: **CA#51**
Sample ID: **Racer CVO Effluent**

Parameters	Results	Units	DL	Method Reference	Analyst	Analysis Date
Volatile Analysis						
Acetone	Not detected	ug/L	20	SW846 8260B	RG	5/7/2012
Acrylonitrile	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Benzene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Bromobenzene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Bromochloromethane	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Bromodichloromethane	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Bromoform	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Bromomethane(Methyl Bromide)	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
2-Butanone (MEK)	Not detected	ug/L	5	SW846 8260B	RG	5/7/2012
Carbon disulfide	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Carbon tetrachloride	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Chlorobenzene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Chloroethane	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Chloroform	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Chloromethane(Methyl Chloride)	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Cyclohexane	Not detected	ug/L	10	SW846 8260B	RG	5/7/2012
1,2-Dibromo-3-Chloropropane	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Dibromochloromethane	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
1,2-Dibromoethane	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Dibromomethane(Methylene Bromide)	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
1,2-Dichlorobenzene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
1,3-Dichlorobenzene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
1,4-Dichlorobenzene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Dichlorodifluoromethane	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
1,1-Dichloroethane	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
1,2-Dichloroethane	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
1,1-Dichloroethene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
1,2-Dichloropropane	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012



Brighton Analytical, L.L.C.
2105 Pless Drive
Brighton, Michigan 48116
Phone: (810) 229-7575 FAX: (810) 229-8650
e-mail: bai-brighton@sbcglobal.net

To: Ypsilanti Comm. Utilities Auth.
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Project Number: **CA#51**
Sample ID: **Racer CVO Effluent**

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Diethyl ether	Not detected	ug/L	5	SW846 8260B	RG	5/7/2012
Diisopropyl Ether(DIPE)	Not detected	ug/L	5	SW846 8260B	RG	5/7/2012
Ethyl benzene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Ethyltertiarybutylether(ETBE)	Not detected	ug/L	5	SW846 8260B	RG	5/7/2012
2-Hexanone(Methyl Butyl Ketone)	Not detected	ug/L	5	SW846 8260B	RG	5/7/2012
Isopropylbenzene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Methyl iodide(Iodomethane)	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Methyl(tert)butyl ether(MTBE)	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
4-Methyl-2-pentanone(MIBK)	Not detected	ug/L	5	SW846 8260B	RG	5/7/2012
Methylene chloride	Not detected	ug/L	5	SW846 8260B	RG	5/7/2012
2-Methylnaphthalene	Not detected	ug/L	5	SW846 8260B	RG	5/7/2012
Naphthalene	Not detected	ug/L	5	SW846 8260B	RG	5/7/2012
n-Butylbenzene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
n-Propylbenzene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
p-Isopropyl Toluene(p-Cymene)	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
sec-Butylbenzene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Styrene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Tertiary Butyl Alcohol(TBA)	Not detected	ug/L	50	SW846 8260B	RG	5/7/2012
tertiaryAmylmethylether(TAME)	Not detected	ug/L	5	SW846 8260B	RG	5/7/2012
tertiaryButylbenzene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Tetrachloroethene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Tetrahydrofuran(THF)	Not detected	ug/L	5	SW846 8260B	RG	5/7/2012
Toluene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW846 8260B	RG	5/7/2012
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW846 8260B	RG	5/7/2012
1,1,1-Trichloroethane	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
1,1,2-Trichloroethane	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012



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Project Number: **CA#51**
Sample ID: **Racer CVO Effluent**

Parameters	Results	Units	DL	Method Reference	Analyst	Analysis Date
Trichloroethene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Trichlorofluoromethane	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
1,2,3-Trichloropropane	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Vinyl chloride	Not detected	ug/L	1	SW846 8260B	RG	5/7/2012
Xylenes(total)	Not detected	ug/L	3	SW846 8260B	RG	5/7/2012

DL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

Released by:
Date:

WJ Topol
5/8/12



Sampling Technician's Name(s)

Alisa Malone
Linda Massengill

YCUA Contact:

1. Steve Wyzgoski (734) 484-4600 Ext. 155
2. Luther Blackburn (734) 484-4600 Ext. 123
3. Perry Thomas (734) 484-4600 Ext. 121

Matrix:

WW = Wastewater

S = Sludge

O = Other (Indicate in comments)

年

CA# 51

Preservatives:

$$A = \text{HNO}_3$$
$$3 = \text{H}_2\text{SO}_4$$
$$\text{C} \equiv \text{HCL}$$

D = NaOH
E = Other (indicate in comments)

[illegible]

Field pH and temperature reading:

7.26 21.5°C

Were samples received on ice (if not indicate temperature):

158

Date and time composite sampler was picked up:

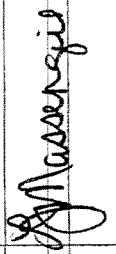
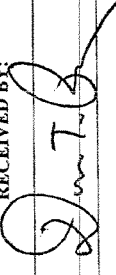
Remarks:

Sampler's Signature and Sample Date:

~~A~~ — S/3112

 Brighton Analytical, L.L.C. email: bai-brighton@sbglobal.net 2105 Pless Drive Brighton, MI 48114 Phone: 810-229-7575 FAX: 810-229-8650		PROJECT NAME: Racer Trust CVO Monitoring Event PROJECT #: CA#51 PO #: (PLEASE NOTE IF DIFFERENT BILLING ADDRESS)		BA PROJECT #: ABBREVIATIONS FOR MATRIX S = Solid L = Liquid DW = Drinking H ₂ O O = Oil P = Wipes A = Air (redlar Bag) F = Filter T = Tube M = Misc.		Analysis Requested/Method Sample Matrix Mercury PCBs VOCs Phenols								PAGE <u>1</u> OF <u>1</u> COMPANY/MAILING ADDRESS: Ypsilanti Community Utilities Authority 2777 State Road Ypsilanti, MI 48198 ATTN: Steve Wyzgoski PHONE: 734-544-7155 FAX OR EMAIL: 734-544-7149 / swyzgoski@ycuaa.org Samples received within hold time? yes no Temperature of samples °C: pHs verified in login? yes no Headspace/bubbles in VOA's? yes no n/a Sample containers and COC match? yes no	
Sample Collected By: AM/LM REQUESTED TURNAROUND: (circle one) Rush: 1-3 business days (verify with lab & specify date needed) 1 Day = 2.5X Cost 2 Day = 2X Cost 3 Day = 1.5X Cost Standard: 15 business days		IF RUSH, approved by: Sample Coll. Date Time 5/3/12 8:25am 5/3/12 8:25am 5/3/12 8:56am 5/3/12 8:56am		Container/Quantity VOA's (PRES) YES HDPE UNPRESERVED HDPE HNO ₃ HDPE H ₂ SO ₄ HDPE NAOH AMBER PRESERVED GLASS, NO PRESERVATIVE AMBER - NOT PRESERVED MEOH Preserved Y N		1 2 1 2		✓ ✓ ✓ ✓		BILLING ADDRESS (IF REQUIRED): Drinking H ₂ O: FAX TO LCHD yes no Chlorinated Water Supply? yes no MCL failure: yes no Client notified (date/time/initials):					
Special Instructions:															

Please fill out the Chain of Custody completely and review. Incorrect or incomplete information will result in a "hold" on all analyses.

Trans. #	RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:
1			5/4/12	2:24pm
2				