



**NATIONAL
ENVIRONMENTAL
TESTING, INC.**

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: (319) 277-2401
Fax: (319) 277-2425

ANALYTICAL REPORT

Dan Huffaker
SENECA ENVIRONMENTAL SERV.
17851 244th Avenue
P.O. Box 1208
Bettendorf, IA 52722
319-332-2272

02/17/1998

NET Job Number: 98.01623

NET Sample Number: 438164

Collected by: 319-332-8000

Collectors Phone No.:

Job Description: IOCO BULK PLANT - DUBUQUE, IOWA

Date Taken: 02/12/1998

Date Received: 02/14/1998

Sample ID: MW-1 #6090101

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Result</u>		<u>Analyst</u>	<u>Date Analyzed</u>	<u>Method</u>	<u>Reporting</u>	
			<u>Flag</u>					<u>Limit</u>	<u>Matrix</u>
VOLATILES - BTEX (WATER)									
Benzene	26	ug/L			sjg	02/17/1998	IA-OA1	2.0 ug/L	Water
Toluene	66	ug/L			sjg	02/17/1998	IA-OA1	2.0 ug/L	Water
Ethylbenzene	70	ug/L			sjg	02/17/1998	IA-CA1	2.0 ug/L	Water
Xylenes, Total	400	ug/L			sjg	02/17/1998	IA-OA1	3.0 ug/L	Water

**CON 12-15
Doc # 11138**

All results are calculated on a wet weight basis.

Audrey Elamilton
R. L. Bindert
Operations Manager
IA UST LAB CERTIFICATION NO. 0007

DATE STAMP

2002 FEB 13 P 3:12
DEPT. OF
NATURAL RESOURCES



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ANALYTICAL REPORT

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17851 244th Avenue
P.O. Box 1208
Bettendorf, IA 52722
319-332-2272

02/17/1998

NET Job Number: 98.01623

NET Sample Number: 438165

Collected by: 319-332-8000

Collectors Phone No.:

Job Description: IOCO BULK PLANT - DUBUQUE, IOWA

Date Taken: 02/12/1998

Date Received: 02/14/1998

Sample ID: MW-2 #6090101

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Result</u>		<u>Date</u>		<u>Reporting</u>	
			<u>Flag</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Method</u>	<u>Limit</u>	<u>Matrix</u>
VOLATILES - BTEX (WATER)								
Benzene	7.0	ug/L		sjg	02/17/1998	IA-OA1	2.0	ug/L Water
Toluene	12	ug/L		sjg	02/17/1998	IA-OA1	2.0	ug/L Water
Ethylbenzene	5.6	ug/L		sjg	02/17/1998	IA-OA1	2.0	ug/L Water
Xylenes, Total	32	ug/L		sjg	02/17/1998	IA-OA1	3.0	ug/L Water

All results are calculated on a wet weight basis.

R. L. Bindert
Operations Manager
IA UST LAB CERTIFICATION NO. 0007



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319-332-2272

02/17/1998

NET Job Number: 98.01623
NET Sample Number: 438166

Collected by: 319-332-8000

Collectors Phone No.:

Job Description: IOCO BULK PLANT - DUBUQUE, IOWA

Date Taken: 02/12/1998

Sample ID: MW-3 #6090101

Date Received: 02/14/1998

<u>Analyte</u>	<u>Result</u>		<u>Flag</u>	<u>Analyst</u>	<u>Date Analyzed</u>	<u>Method</u>	<u>Reporting</u>	
	<u>Result</u>	<u>Units</u>					<u>Limit</u>	<u>Matrix</u>
VOLATILES - BTEX (WATER)								
Benzene	110	ug/L		sjg	02/16/1998	IA-OA1	2.0 ug/L	Water
Toluene	48	ug/L		sjg	02/16/1998	IA-OA1	2.0 ug/L	Water
Ethylbenzene	23	ug/L		sjg	02/16/1998	IA-OA1	2.0 ug/L	Water
Xylenes, Total	120	ug/L		sjg	02/16/1998	IA-OA1	3.0 ug/L	Water

All results are calculated on a wet weight basis.

R. E. Bindert
Operations Manager
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17851 244th Avenue
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319-332-2272

02/17/1998

NET Job Number: 98.01623

NET Sample Number: 438167

Collected by: 319-332-8000

Collectors Phone No.:

Job Description: IOCO BULK PLANT - DUBUQUE, IOWA

Date Taken: 02/12/1998

Date Received: 02/14/1998

Sample ID: MW-5 #6090101

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Result</u>		<u>Date Analyzed</u>	<u>Method</u>	<u>Reporting</u>	
			<u>Flag</u>	<u>Analyst</u>			<u>Limit</u>	<u>Matrix</u>
VOLATILES - BTEX (WATER)								
Benzene	11	ug/L		sjg	02/16/1998	IA-OA1	2.0 ug/L	Water
Toluene	42	ug/L		sjg	02/16/1998	IA-OA1	2.0 ug/L	Water
Ethylbenzene	15	ug/L		sjg	02/16/1998	IA-OA1	2.0 ug/L	Water
Xylenes, Total	130	ug/L		sjg	02/16/1998	IA-OA1	3.0 ug/L	Water

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319-332-2272

02/17/1998

NET Job Number: 98.01623
NET Sample Number: 438168

Collected by: 319-332-8000

Collectors Phone No.:

Job Description: IOCO BULK PLANT - DUBUQUE, IOWA

Date Taken: 02/12/1998

Sample ID: MW-6 #6090101

Date Received: 02/14/1998

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Result</u>		<u>Date</u>	<u>Method</u>	<u>Reporting</u>		
			<u>Flag</u>	<u>Analyst</u>			<u>Limit</u>	<u>Matrix</u>	
VOLATILES - BTEX (WATER)									
Benzene	13	ug/L		sjg	02/16/1998	IA-OA1	2.0	ug/L	Water
Toluene	24	ug/L		sjg	02/16/1998	IA-OA1	2.0	ug/L	Water
Ethylbenzene	8.9	ug/L		sjg	02/16/1998	IA-OA1	2.0	ug/L	Water
Xylenes, Total	42	ug/L		sjg	02/16/1998	IA-OA1	3.0	ug/L	Water

All results are calculated on a wet weight basis.

R. L. Bindert
Operations Manager
IA UST LAB CERTIFICATION NO. 0007



NATIONAL ENVIRONMENTAL TESTING, INC.

NET, Inc. - Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613

Phone 319-277-2401 or 1-800-750-2401
FAX 319-277-2425

PO #: 120842

Invoice to: _____

NET Quote #: _____

Company: SANDEW ENVIRONMENTAL SER.

Send Report To: DAN HUFFAKER

Address: 17251 244th St.

City/State/Zip Code: Bettendorf IA 52722

Telephone Number: 319 332 8000 Fax: 319 332 9465

Project Name: Tooo Bulk Plant.

Dubuque, IA.

Project Number: 06090101

Project Manager: DAN HUFFAKER

Sampled By: (Print Name) DON STRIBLING

(Signature) [Signature]

Sample ID	Date Sampled	Time Sampled	# of Containers Shipped	Grab	Composite	Field Filtered	Ice	Preservative						Matrix					Analyze for:	Results need				
								HNO3 (Red & White Label)	HCl (Blue & White Label)	NaOH (Orange & White Label)	H2SO4 (Yellow & White Label)	None (Black & White Label)	Other (Specify):	Groundwater	Wastewater	Drinking Water	Sludge	Soil		Other (Specify):	48 HR TAT (SEE NOTE)	5 DAY TAT (SEE NOTE)	STANDARD TAT (10 DAYS)	
MW 1	2/12	2:00	2	X		X		X							X							X		
MW 2	2/12	1:32	2	X		X		X						X								X		
MW 3	2/12	2:00	2	X		X		X						X								X		
MW 4	2/12		2	X		X		X						X								X		
MW 5	2/12	1:49	2	X		X		X						X								X		
MW 6	2/12	2:12	2	X		X		X						X								X		

NOTE: All turn around times are calculated from the time of receipt at NET. NOTE: There may be a charge for NET disposing of sample

NOTE: PRE-ARRANGEMENTS MUST BE MADE AT LEAST 48 HOURS IN ADVANCE TO RECEIVE RESULTS WITH THESE TURN AROUND TIME COMMITMENTS. ADDITIONAL CHARGES MAY BE ASSESSED.

NOTES:

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME	DATE	TIME
<u>[Signature]</u>			<u>Jim Kerner</u>	2/13/98	1:15		
RECEIVED FOR NET BY:	DATE	TIME	COC SEALS PRESENT AND INTACT? YES NO NA			SHIPPED VIA:	
<u>Melanie Sacciani</u>	2/13/98	800					
TEMPERATURE UPON RECEIPT			ARE THESE SAMPLES FOR NPDES COMPLIANCE? YES NO				



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SENECA ENVIRONMENTAL SERV.
17851 244th Avenue
P.O. Box 1208
Bettendorf, IA 52722
319-332-2272

02/06/1998

NET Job Number: 98.01164

NET Sample Number: 436639

Collected by: Dan Huffaker

Collectors Phone No.: 319-332-8000

Job Description: IOCO BULK PLANT - DUBUQUE, IA

Date Taken: 01/30/1998

Sample ID: B-1 15'-17' Project #6090101

Date Received: 02/04/1998

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Result</u>		<u>Date</u>	<u>Method</u>	<u>Reporting</u>		
			<u>Flag</u>	<u>Analyst</u>			<u>Limit</u>	<u>Matrix</u>	
VOLATILES - BTEX (NONAQUEOUS)									
Benzene	<0.25	ug/g		djl	02/05/1998	IA-OA1	0.25	ug/g	SOIL
Toluene	<0.5	ug/g		djl	02/05/1998	IA-OA1	0.5	ug/g	SOIL
Ethylbenzene	<0.5	ug/g		djl	02/05/1998	IA-OA1	0.5	ug/g	SOIL
Xylenes, Total	1.0	ug/g		djl	02/05/1998	IA-OA1	0.5	ug/g	SOIL

All results are calculated on a wet weight basis.

R. L. Bindert
Operations Manager
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SENECA ENVIRONMENTAL SERV.
17851 244th Avenue
P.O. Box 1208
Bettendorf, IA 52722
319-332-2272

02/06/1998

NET Job Number: 98.01164

NET Sample Number: 436640

Collected by: Dan Huffaker

Collectors Phone No.: 319-332-8000

Job Description: IOCO BULK PLANT - DUBUQUE, IA

Date Taken: 01/30/1998

Sample ID: B-2 15'-17' Project #6090101

Date Received: 02/04/1998

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Result</u>		<u>Date</u>	<u>Method</u>	<u>Reporting</u>		
			<u>Flaq</u>	<u>Analyst</u>			<u>Analyzed</u>	<u>Limit</u>	<u>Matrix</u>
VOLATILES - BTEX (NONAQUEOUS)									
Benzene	<0.25	ug/g		djl	02/05/1998	IA-OA1	0.25	ug/g	SOIL
Toluene	<0.5	ug/g		djl	02/05/1998	IA-OA1	0.5	ug/g	SOIL
Ethylbenzene	<0.5	ug/g		djl	02/05/1998	IA-OA1	0.5	ug/g	SOIL
Xylenes, Total	<0.5	ug/g		djl	02/05/1998	IA-OA1	0.5	ug/g	SOIL

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Bettendorf, IA 52722
319-332-2272

02/06/1998

NET Job Number: 98.01164
NET Sample Number: 436641

Collected by: Dan Huffaker

Collectors Phone No.: 319-332-8000

Job Description: IOCO BULK PLANT - DUBUQUE, IA

Date Taken: 02/02/1998

Sample ID: B-3 15'-17' Project #6090101

Date Received: 02/04/1998

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Result</u>		<u>Date</u>	<u>Method</u>	<u>Reporting</u>		
			<u>Flag</u>	<u>Analyst</u>			<u>Limit</u>	<u>Matrix</u>	
VOLATILES - BTEX (NONAQUEOUS)									
Benzene	<0.25	ug/g		djl	02/05/1998	IA-OA1	0.25	ug/g	SOIL
Toluene	2.0	ug/g		djl	02/05/1998	IA-OA1	0.5	ug/g	SOIL
Ethylbenzene	1.3	ug/g		djl	02/05/1998	IA-OA1	0.5	ug/g	SOIL
Xylenes, Total	3.6	ug/g		djl	02/05/1998	IA-OA1	0.5	ug/g	SOIL

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Bettendorf, IA 52722
319-332-2272

02/06/1998

NET Job Number: 98.01164
NET Sample Number: 436642

Collected by: Dan Huffaker

Collectors Phone No.: 319-332-8000

Job Description: IOCO BULK PLANT - DUBUQUE, IA

Date Taken: 02/02/1998

Sample ID: B-4 15'-17' Project #6090101

Date Received: 02/04/1998

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Result</u>		<u>Date</u>	<u>Method</u>	<u>Reporting</u>	
			<u>Flag</u>	<u>Analyst</u>			<u>Limit</u>	<u>Matrix</u>
VOLATILES - BTEX (NONAQUEOUS)								
Benzene	1.0	ug/g		djl	02/05/1998	IA-OA1	0.25 ug/g	SOIL
Toluene	5.9	ug/g		djl	02/05/1998	IA-OA1	0.5 ug/g	SOIL
Ethylbenzene	1.9	ug/g		djl	02/05/1998	IA-OA1	0.5 ug/g	SOIL
Xylenes, Total	10	ug/g		djl	02/05/1998	IA-OA1	0.5 ug/g	SOIL

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17851 244th Avenue
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Bettendorf, IA 52722
319-332-2272

02/06/1998

NET Job Number: 98.01164
NET Sample Number: 436643

Collected by: Dan Huffaker

Collectors Phone No.: 319-332-8000

Job Description: IOCO BULK PLANT - DUBUQUE, IA

Date Taken: 02/02/1998

Sample ID: B-5 15'-17' Project #6090101

Date Received: 02/04/1998

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Result</u>		<u>Date</u>	<u>Method</u>	<u>Reporting</u>	
			<u>Flag</u>	<u>Analyst</u>			<u>Analyzed</u>	<u>Limit</u>
VOLATILES - BTEX (NONAQUEOUS)								
Benzene	<0.25	ug/g		djl	02/05/1998	IA-OA1	0.25 ug/g	SOIL
Toluene	1.0	ug/g		djl	02/05/1998	IA-OA1	0.5 ug/g	SOIL
Ethylbenzene	<0.5	ug/g		djl	02/05/1998	IA-OA1	0.5 ug/g	SOIL
Xylenes, Total	1.9	ug/g		djl	02/05/1998	IA-OA1	0.5 ug/g	SOIL

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02/06/1998

NET Job Number: 98.01164

NET Sample Number: 436644

Collected by: Dan Huffaker

Collectors Phone No.: 319-332-8000

Job Description: IOCO BULK PLANT - DUBUQUE, IA

Date Taken: 02/02/1998

Sample ID: B-6 15'-17' Project #6090101

Date Received: 02/04/1998

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Result</u>		<u>Analyst</u>	<u>Date Analyzed</u>	<u>Method</u>	<u>Reporting</u>	
			<u>Flag</u>					<u>Limit</u>	<u>Matrix</u>
VOLATILES - BTEX (NONAQUEOUS)									
Benzene	<0.25	ug/g			djl	02/05/1998	IA-OA1	0.25 ug/g	SOIL
Toluene	4.5	ug/g			djl	02/05/1998	IA-OA1	0.5 ug/g	SOIL
Ethylbenzene	1.9	ug/g			djl	02/05/1998	IA-OA1	0.5 ug/g	SOIL
Xylenes, Total	5.4	ug/g			djl	02/05/1998	IA-OA1	0.5 ug/g	SOIL

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Operations Manager

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