TRIAD
ENGINEERING
INCORPORATED

325 East Chicago Street
Milwaukee, Wisconsin 53202
414/291-8840
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November 14, 2001

Mr. Mark D. Drews, P.G., CHMM
Hydrogeologist
Wisconsin Department of Natural Resources
Southeast Region Annex
P.O. Box 12436
Milwaukee, WI 53212-0436

Dear Mr. Drews:

RE: Trent Tube, Former Plant No. 1, Remediation System
East Troy, Wisconsin
General Permit for Discharge of Contaminated Groundwater
Permit No. WI-0046566-3
WDNR File Reference No.: 265097030
Triad Engineering Incorporated Project No. W013221.BG903

Enclosed please find the Discharge Monitoring Report (DMR) for Trent Tube Plant No. 1 for the month of October 2001. Effluent sampling was conducted in accordance with the schedule set forth in the general Wisconsin Pollutant Discharge Elimination System (WPDES) permit. Effluent sampling occurred on October 3, 2001. Laboratory analytical reports are enclosed.

In order to evaluate removal efficiency of the air stripper and to monitor for the potential breakthrough of volatile organic compounds (VOCs) between the carbon vessels, samples were collected at various locations along the remediation train. These laboratory analytical results are also enclosed.

On October 24, 2001, the system was shut down for 6 hours to perform quarterly maintenance, during which an acid wash of the system was performed. The effluent was discharged at a pH of 6.0.

W:\L12-W013221_BG903-232

Currently, the system is operating in compliance within the effluent limits established in the WPDES permit. Please do not hesitate to call me with questions or concerns.

Sincerely,

TRIAD ENGINEERING INCORPORATED

Tina A. Reese for

Brandon J. Koltz
Senior Project Engineer

Enclosure
c: Chris Odachowski/Trent Tube
Bob Taggart/Crucible Materials
Colin Beveridge/Trent Tube
Tina Reese/Triad Engineering
Heather Schoff/Triad Engineering

W:\L12-W013221_BG903-232

Table 7
Summary of Effluent Concentrations
Groundwater Remediation System
Trent Tube Plant No. 1

	Units	WPDES Limits	System Effluent 1/16/01	System Effluent 1/30/01	System Effluent 2/12/01	System Effluent 3/1/01	System Effluent 3/12/01	System Effluent 3/15/01	System Effluent 3/16/01	System Effluent 4/12/01	System Effluent 5/16/01	System Effluent 6/19/01	System Effluent 7/5/01	System Effluent 8/7/01	System Effluent 9/6/01	System Effluent 9/24/01	System Effluent 10/3/01
Polynuclear Aromatic Hydrocarbons (method 8310)																	
Total PAHs (9 compounds)	ug/L	0.1 ug/L Monthly Ave.	ND	ND	ND	NA	NS	ND	NA	ND	ND	ND	ND	ND	ND	NA	ND
Benzo(a)pyrene	ug/L	0.1 ug/L Monthly Ave.	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	ND	NA	ND
Naphthalene	ug/L	70 ug/L Monthly Ave.	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	ND	NA	ND
Fluoranthene	ug/L	monitor	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	ND	NA	ND
Volatile Organics (method 8260B)																	
Total BTEX	ug/L	750 ug/L Daily Max.	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	monitor	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA
Benzene	ug/L	50 ug/L Monthly Ave.	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	120 ug/L Monthly Ave.	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	150 ug/L Monthly Ave	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	120 ug/L Monthly Ave.	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorobromomethane	ug/L	120 ug/L Monthly Ave.	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	180 ug/L Monthly Ave.	ND	ND	ND	0.69	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	50 ug/L Monthly Ave	ND	0.26	ND	0.27	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	monitor	13	21	51	110	ND	ND	NA	4.8	ND	12	22	ND	0.84	26	ND
trans-1,2-Dichloroethene	ug/L	monitor	ND	ND	0.65	0.5	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Bromide	ug/L	120 ug/L Monthly Ave.	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride	ug/L	120 ug/L Monthly Ave.	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	monitor	ND	ND	ND	ND	ND	ND	NA	0.47	ND	ND	ND	ND	1	ND	ND
MTBE	ug/L	monitor	ND	ND	ND	NA	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	50 ug/L Monthly Ave	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	50 ug/L Monthly Ave	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Tetrahydrofuran	ug/L	NA	3.9	6.1	8.8	2.7	NR	NR	NA	NR	NR	NR	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	50 ug/L Monthly Ave	0.66	2.1	5.7	2.9	ND	ND	NA	0.31	ND	ND	0.62	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	50 ug/L Monthly Ave	ND	ND	0.2	0.17	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	50 ug/L Monthly Ave	4	9.6	34	65	ND	ND	NA	1.1	ND	0.31	0.48	ND	ND	1.2	ND
Vinyl Chloride	ug/L	10 ug/L Monthly Ave	0.72	1.1	1.9	2	ND	ND	NA	0.32	ND	ND	1.4	ND	0.42	0.77	ND
Metals (method 6010B)																	
Total Recoverable Chromium	ug/L	monitor	1.1	2.5	7.8	NA	NA	0.92	NA	0.83	ND	0.83	0.65	1.7	ND	NA	ND
Total Recoverable Mercury (method 7470)	ng/L	monitor	0.64	0.22	3.72	NA	NA	NA	0.22	0.5	ND	2.6	ND	ND	ND	NA	ND
Total Recoverable Nickel	ug/L	monitor	9	13.5	24	NA	NA	ND	NA	5	6.6	6	7.3	2.6	2.3	NA	7.5
Total Recoverable Arsenic	ug/L	monitor	ND	3.8	5.2	NA	NA	ND	NA	ND	ND	ND	ND	ND	ND	NA	ND
Total Recoverable Cadium	ug/L	monitor	ND	ND	0.52	NA	NA	0.19	NA	0.24	ND	ND	ND	ND	0.071	NA	0.15
Total Recoverable Lead	ug/L	0.050 mg/L Daily Max.	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	ND	NA	ND
Total Hexavalent Chromium (method 7196)	ug/L	monitor	NA	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	ND	NA	ND
Miscellanous Chemistry																	
hardness	mg/L	monitor	497	533	555	NA	NA	510	NA	490	490	500	510	490	490	NA	450
Oil/Grease	mg/L	10 mg/L Daily Max.	ND	2.6	5.4	NA	NA	3.1	NA	2.5	ND	ND	ND	ND	ND	NA	ND
Total Suspended Solids (method EPA 160.2)	mg/L	40 mg/L Daily Max.	ND	6	23	NA	NA	4	NA	1	ND	ND	ND	ND	3	NA	1
pH	pH units	6 - 9	8.1	8	8.2	NA	NA	8	NA	8.4	8.2	8.1	8.1	8.2	7.4	NA	8.8
Flow (average for the reporting period)	gal/day	monitor	9166	10508	12371	15438	9340	18574	12897	9000	15726	18435	14844	10571	11110	12733	6931

Notes:
Samples analyzed by Test America Inc. analytical laboratory.
* - Total instead of total recoverable
ND - no detection above the report limit
NA - not analyzed or not applicable
NR - not reported
ug/L = micrograms per liter or parts per billion
mg/L = milligrams per liter or parts per million
ng/L = nanograms per liter or parts per trillion
gal/day = gallons per day
BTEX = sum of benzene, toluene, ethylbenzene and xylenes

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Summary of Effluent Concentrations
Groundwater Remediation System
Trent Tube Plant No. 1

	Units	WPDES Limits	System Effluent 1/16/01	System Effluent 1/30/01	System Effluent 2/12/01	System Effluent 3/1/01	System Effluent 3/12/01	System Effluent 3/15/01	System Effluent 3/16/01	System Effluent 4/12/01	System Effluent 5/16/01	System Effluent 6/19/01	System Effluent 7/5/01	System Effluent 8/7/01	System Effluent 9/6/01	System Effluent 9/24/01	System Effluent 10/3/01
Polynuclear Aromatic Hydrocarbons (method 8310)																	
Total PAHs (9 compounds)	ug/L	0.1 ug/L Monthly Ave.	ND	ND	ND	NA	NS	ND	NA	ND	ND	ND	ND	ND	ND	NA	ND
Benzo(a)pyrene	ug/L	0.1 ug/L Monthly Ave.	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	ND	NA	ND
Naphthalene	ug/L	70 ug/L Monthly Ave.	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	ND	NA	ND
Fluoranthene	ug/L	monitor	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	ND	NA	ND
Volatile Organics (method 8260B)																	
Total BTEX	ug/L	750 ug/L Daily Max.	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	monitor	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	NA	NA	NA	NA
Benzene	ug/L	50 ug/L Monthly Ave.	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	120 ug/L Monthly Ave.	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ug/L	150 ug/L Monthly Ave	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	120 ug/L Monthly Ave.	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorobromomethane	ug/L	120 ug/L Monthly Ave.	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	180 ug/L Monthly Ave.	ND	ND	ND	0.69	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	50 ug/L Monthly Ave	ND	0.26	ND	0.27	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	monitor	13	21	51	110	ND	ND	NA	4.8	ND	12	22	ND	0.84	26	ND
trans-1,2-Dichloroethene	ug/L	monitor	ND	ND	0.65	0.5	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Bromide	ug/L	120 ug/L Monthly Ave.	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Chloride	ug/L	120 ug/L Monthly Ave.	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	monitor	ND	ND	ND	ND	ND	ND	NA	0.47	ND	ND	ND	ND	1	ND	ND
MTBE	ug/L	monitor	ND	ND	ND	NA	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	50 ug/L Monthly Ave	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	50 ug/L Monthly Ave	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Tetrahydrofuran	ug/L	NA	3.9	6.1	8.8	2.7	NR	NR	NA	NR	NR	NR	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	50 ug/L Monthly Ave	0.66	2.1	5.7	2.9	ND	ND	NA	0.31	ND	ND	0.62	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	50 ug/L Monthly Ave	ND	ND	0.2	0.17	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	50 ug/L Monthly Ave	4	9.6	34	65	ND	ND	NA	1.1	ND	0.31	0.48	ND	ND	1.2	ND
Vinyl Chloride	ug/L	10 ug/L Monthly Ave	0.72	1.1	1.9	2	ND	ND	NA	0.32	ND	ND	1.4	ND	0.42	0.77	ND
Metals (method 6010B)																	
Total Recoverable Chromium	ug/L	monitor	1.1	2.5	7.8	NA	NA	0.92	NA	0.83	ND	0.83	0.65	1.7	ND	NA	ND
Total Recoverable Mercury (method 7470)	ng/L	monitor	0.64	0.22	3.72	NA	NA	NA	0.22	0.5	ND	2.6	ND	ND	ND	NA	ND
Total Recoverable Nickel	ug/L	monitor	9	13.5	24	NA	NA	ND	NA	5	6.6	6	7.3	2.6	2.3	NA	7.5
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Total Recoverable Cadium	ug/L	monitor	ND	ND	0.52	NA	NA	0.19	NA	0.24	ND	ND	ND	ND	0.071	NA	0.15
Total Recoverable Lead	ug/L	0.050 mg/L Daily Max.	ND	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	ND	NA	ND
Total Hexavalent Chromium (method 7196)	ug/L	monitor	NA	ND	ND	NA	NA	ND	NA	ND	ND	ND	ND	ND	ND	NA	ND
Miscellanous Chemistry																	
hardness	mg/L	monitor	497	533	555	NA	NA	510	NA	490	490	500	510	490	490	NA	450
Oil/Grease	mg/L	10 mg/L Daily Max.	ND	2.6	5.4	NA	NA	3.1	NA	2.5	ND	ND	ND	ND	ND	NA	ND
Total Suspended Solids (method EPA 160.2)	mg/L	40 mg/L Daily Max.	ND	6	23	NA	NA	4	NA	1	ND	ND	ND	ND	3	NA	1
pH	pH units	6 - 9	8.1	8	8.2	NA	NA	8	NA	8.4	8.2	8.1	8.1	8.2	7.4	NA	8.8
Flow (average for the reporting period)	gal/day	monitor	9166	10508	12371	15438	9340	18574	12897	9000	15726	18435	14844	10571	11110	12733	6931

Notes:
Samples analyzed by Test America Inc. analytical laboratory.
* - Total instead of total recoverable
ND - no detection above the report limit
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ug/L = micrograms per liter or parts per billion
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ng/L = nanograms per liter or parts per trillion
gal/day = gallons per day
BTEX = sum of benzene, toluene, ethylbenzene and xylenes

Discharge Monitoring Report (Contaminated Groundwater)

Permit No.WI-0046566-3

Permittee: Chris Odachowski
Trent Tube, Plant 1 Remediation Project
Trent Tube, Division of Crucible Materials Corp.
P.O. Box 77
East Troy, Wisconsin 53120

Lab Name: Test America Incorporated[1]
Lab Cert#: 128053530
DMR Sent to: Triad Eng. (Koltz)

WDNR File Reference Number: 265097030

Outfall Number	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Parameter Name	Flow[9]	Benzene	Total BETX[2]	MTBE[3,10]	PAHs[4]	Benzo(a)pyrene	Naphthalene	Lead[5]	Oil/Grease	TSS	Acrylonitrile[11]	Bromoform
Parameter Units	gal/day	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	see permit	ug/L
Lab Method Used		8260B	8260B	8260B	8310	8310	8310	239.2	5520B	160.2	8260B	8260B
Date(s) Sampled												
3-Oct-01	9,843	<0.31	ND	<0.14	ND	<0.025	<0.41	<1.2	<1.0	1.0	NA	<0.14
Daily Maximum Limit			750					50	10	40		
Weekly Average Limit												
Weekly Ave. (mass/day)												
Monthly Average Limit		50			0.1	0.1	70					120
Sample Type	estimate	grab	grab	grab	grab	grab	grab	grab	grab	grab	grab	grab
Sample Frequency	continuous	see permit	see permit	see permit	see permit	see permit	see permit	see permit	see permit	see permit	see permit	see permit

Unless noted under parameter name, each daily value entered is the highest value of all sample types analyzed for that day.

Person completing form: Ryan Eckdale-Dudley

ND - Not Detected
NA - Not Analyzed

[1] Analysis for mercury was conducted by Brooks Rand LTD., WDNR laboratory certification number: 998364070
[2]Sum of concentrations of benzene, ethylbenzene, toluene and total xylenes, per permit.
[3]methyl-tert-butyl ether
[4]Sum of following Polynuclear Aromatic Hydrocarbons: benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, chrysene, dibenzo(a,h)anthracene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, pyrene, per permit.
[5]Total Recoverable, per permit.
[6]bromodichloromethane
[7]bromomethane
[8]chloromethane
[9]Flow is the average gallons per day for the period of time between sampling events.
[10]MTBE- We are required to report MTBE analytical results, but there is no regulated Effluent Limit.
[11]Acrylonitrile was eliminated from the list of analytes with WDNR concurrence.

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Trent Tube, Division of Crucible Materials Cor
P.O. Box 77
East Troy, Wisconsin 53120

Lab Name: Test America Incorporated[1]
Lab Cert#: 128053530
DMR Sent to: Triad Eng. (Koltz)

WDNR File Reference Number: 265097030

Outfall Number	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Parameter Name	Carbon Tetrachloride	Chloroform	Dichlorobromo-methane[6]	1,2-Dichloroethane	1,1-Dichloroethylene	Methyl Bromide[7]	Methyl Chloride[8]	1,1,2,2-Tetrachloro ethane	Tetrachloro-ethylene	1,1,2-Trichloroethane	1,1,1-Trichloroethane
Parameter Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Lab Method Used	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Date(s) Sampled											
3-Oct-01	<0.40	<0.18	<0.20	<0.20	<0.73	<0.46	<0.38	<0.39	<0.63	<0.15	<0.28
Daily Maximum Limit											
Monthly Average Limit	150	120	120	180	50	120	120	50	50	50	50
Sample Type	grab	grab	grab	grab	grab	grab	grab	grab	grab	grab	grab
Sample Frequency	see permit	see permit	see permit	see permit	see permit	see permit	see permit	see permit	see permit	see permit	see permit

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[5]Total Recoverable, per permit.
[6]bromodichloromethane
[7]bromomethane
[8]chloromethane

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Outfall Number	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Parameter Name	Trichloro-ethylene	Vinyl Chloride	Arsenic[5]	Cadmium[5]	Mercury[5]	Chromium[5]	Chromium (hexavalent)	Nickel[5]	cis-1,2-Dichloro-ethylene	trans-1,2-Dichloroeth y-lene	Fluoran-thene	Methylene Chloride	Hardness	pH
Parameter Units	ug/L	ug/L	ug/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	
Lab Method Used	8260B	8260B	206.2	213.2	1631 mod.	218.2	SM 3500CrD	249.2	8260B	8260B	8310	8260B	130.2	
Date(s) Sampled														
3-Oct-01	<0.49	<0.46	<1.8	0.15	ND	<0.52	<4.2[G]	7.5	<0.23	<0.39	<0.084	<0.87	450	8.8
Daily Maximum Limit														6.0-9.0
Monthly Average Limit	50	10												
Level of Detection			136	10	20-50	859	6.4	651	116947	200480	35919	22554		
Sample Type	grab	grab	grab	grab	grab	grab	grab	grab	grab	grab	grab	grab	grab	grab
Sample Frequency	see permit	see permit	see permit	see permit	see permit	see permit	see permit	see permit	see permit	see permit	see permit	see permit	see permit	see permit

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[5]Total Recoverable, per permit.
[6]bromodichloromethane
[7]bromomethane
[8]chloromethane
[10]MTBE- We are required to report MTBE analytical results, but there is no regulated Effluent Limit.
[G]Hexavalent Chromium was received past it's hold time.

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Trent Tube, Division of Crucible Materials Corp.
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Send Report To: Wastewater Section
Wisconsin Department of Natural Resources
P.O. Box 12436
Milwaukee, WI 53212
Attention: Mark D. Drews

Please attach notes and/or address-name corrections on a separate sheet.

Return Reports no later than: Monthly

Person completing form: Ryan Eckdale-Dudley

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this (four-page) document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment, (40 CFR 122.5). I also certify that the values being submitted are the actual values found in the samples; no values have been modified or changed in any manner. Where ever I believe a value being reported is inaccurate, I have added an explanation indicating the reasons why the value is inaccurate.

Signature of Person Completing Form	
Ryan Eckdale-Dudley	
Signature of Principal Exec. Officer or Authorized Agent	Title
Tina A. Rose for Brandon J. Koltz	Senior Project Engineer

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Ms. Tina Reese
TRIAD ENGINEERING
325 E Chicago
Milwaukee, WI 53202

10/11/2001

Job No: 01.07933

The following samples were received by TestAmerica for analysis:

Sample Number	Sample Description	Date Taken	Date Received
454450	Plant 1 Effluent Trent Tube	10/03/2001	10/04/2001
454451	Plant 1 Btw Carbon Trent Tube	10/03/2001	10/04/2001
454452	Plant 1 AS Outlet Trent Tube	10/03/2001	10/04/2001
454453	Plant 1 Influent Trent Tube	10/03/2001	10/04/2001
454454	Plant 1 Trip Blank Trent Tube	10/03/2001	10/04/2001

Brian D. DeJong
Organic Operations Manager

KRW

602 Commerce Drive / Watertown, WI 53094 / 920-261-1660 / Fax: 920-261-8120
WDNR No. 128053530

01.07933

TestAmerica INCORPORATED

Watertown Division
602 Commerce Drive
Watertown, WI 53094

Phone: 920-261-1660
Fax: 920-261-8120

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Triad Engineering Inc Client #: _____
Address: 325 E. Chicago St.
City/State/Zip Code: Milwaukee, WI 53202
Project Manager: Tina Reese
Telephone Number: 414-291-8840 Fax: 414-291-8841
Sampler Name: (Print Name) Heather Schoff
Sampler Signature: Heather L. Schoff

Project Name: Trent Tube Plant No. 1
Project #: WO13221 BG903
Site/Location ID: East Troy State: WI
Report To: Mr. Ryan Eckdale-Dudley
Invoice To: Tina Reese
Quote #: 0123013071995TD PO#: _____

TAT
X Standard
___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y N

QC Deliverables
___ None
X Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, WW - Wastewater, S - Soil/Solid, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: VOC (8260)	PAH	Total Lead As, Chromium, Cd, Ni	Hardness	TSS	Oil + Grease	Total Dissolved Solids	Hex. Chromium			REMARKS
Effluent	10/3/01	3:05	G	N	GW	2	3		1		2		X	X	X	X	X	X	~~X~~	X			no TDS
GW Carbon		3:10					3		1				X	X									
AS. Outlet		3:27					3						X										
Influent		3:20				2	3				2		X	X	X				X				
Trip Blank		—											X										

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp: 4.0 °C
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by TestAmerica: Y N
Method of Shipment: TA

Relinquished By: Heather Schoff	Date: 10/3/01	Time: 3:30	Received By: A Van Rueden	Date: 100401	Time: 1240
Relinquished By: A Van Rueden	Date: 100401	Time: 1530	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: [signature]	Date: 10/4/01	Time: 1700

10/5/01

KEY TO DATA FLAGS

The attached sample(s) may have a result flag shown on the report. The following are the result flag definitions:

A = Analyzed/extracted past hold time
B = Blank is contaminated
C = Standard outside of control limits
D = Diluted for analysis
E = TCLP extraction outside of method required temperature range
F = Sample filtered in lab
G = Received past hold time
H = Late eluting hydrocarbons present
I = Improperly handled sample
J = Estimated concentration
L = Common lab solvent and contaminant
M = Matrix interference
P = Improperly preserved sample
Q = Result confirmed via re-analysis
S = Sediment present
T = Does not match typical pattern
W = BOD re-set due to missed dilution
X = Unidentified compound(s) present
Z = Internal standard outside limits
* = See Case Narrative

KEY TO ANALYST INITIALS

The attached sample(s) may have been analyzed by another certified laboratory. If a number appears in the Analyst Initials field, the following are the appropriate certifications (if the lab code does not appear below, that means that WDNR certification is not required for the work performed):

Lab Code	Certification Number
008	WDNR - 999766900
009	WDNR - 241293690
060	ILNELAC - 100221; WDNR - 999447130
070	IA - 007; MDH - 019-999-319; WDNR - 999917270
130	WDNR - 632021390
147	WDNR - 721026460
300	FLNELAC - 87358; IA - 131; MDH - 047-999-345; WDNR - 998020430
400	WDNR - 113133790
510	WDNR - 241249360
700	WDNR - 113289110

TestAmerica Watertown IDNR ID - 294; MDH ID - 055-999-366

For questions regarding this report, please contact Dan Milewsky or Warren Topel.

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Ms. Tina Reese
TRIAD ENGINEERING
325 E Chicago
Milwaukee, WI 53202

10/11/2001
Job No: 01.07933
Sample No: 454450
Account No: 72200

JOB DESCRIPTION: Plant 1 Trent Tube WO13221 BG903
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: Plant 1 Effluent Trent Tube
Rec'd on ice

Date/Time Taken: 10/03/2001 15:05 Date Received: 10/04/2001

Parameter		Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
Chromium, hexavalent	G	<0.0042	mg/L	0.0042	0.015	SM 3500CrD	10/04/2001	jts	740
Hardness, Total		450	mg/L	4.0	12	EPA 130.2	10/09/2001	djr	792
Oil & Grease, Freon		<1.0	mg/L	1.0	3.3	SM 5520B	10/09/2001	seh	1358
Solids, Total Suspended		1.0	mg/L	1.0	3.3	EPA 160.2	10/08/2001	djr	2500
Arsenic, GFAA		<0.0018	mg/L	0.0018	0.0065	EPA 206.2	10/10/2001	mmm	1159 832
Cadmium, GFAA		0.00015	mg/L	0.000042	0.00015	EPA 213.2	10/08/2001	mmm	1159 942
Chromium, GFAA		<0.00052	mg/L	0.00052	0.0018	EPA 218.2	10/10/2001	mmm	1159 690
Lead, GFAA		<0.0012	mg/L	0.0012	0.0044	EPA 239.2	10/08/2001	mmm	1159 2109
Nickel, GFAA		0.0075	mg/L	0.0015	0.0054	EPA 249.2	10/11/2001	mmm	1159 172
VOC - AQUEOUS - EPA 8260B									
Benzene		<0.31	ug/L	0.31	0.98	SW 8260B	10/09/2001	aba	1695
Bromodichloromethane		<0.20	ug/L	0.20	0.63	SW 8260B	10/09/2001	aba	1695
Bromoform		<0.14	ug/L	0.14	0.45	SW 8260B	10/09/2001	aba	1695
Bromomethane		<0.46	ug/L	0.46	1.5	SW 8260B	10/09/2001	aba	1695
Carbon Tetrachloride		<0.40	ug/L	0.40	1.3	SW 8260B	10/09/2001	aba	1695
Chloroform		<0.18	ug/L	0.18	0.58	SW 8260B	10/09/2001	aba	1695
Chloromethane		<0.38	ug/L	0.38	1.2	SW 8260B	10/09/2001	aba	1695
1,2-Dichloroethane		<0.20	ug/L	0.20	0.63	SW 8260B	10/09/2001	aba	1695
1,1-Dichloroethene		<0.73	ug/L	0.73	2.3	SW 8260B	10/09/2001	aba	1695
cis-1,2-Dichloroethene		<0.23	ug/L	0.23	0.74	SW 8260B	10/09/2001	aba	1695
trans-1,2-Dichloroethene		<0.39	ug/L	0.39	1.2	SW 8260B	10/09/2001	aba	1695
Ethylbenzene		<0.38	ug/L	0.38	1.2	SW 8260B	10/09/2001	aba	1695
Methylene Chloride		<0.87	ug/L	0.87	3.1	SW 8260B	10/09/2001	aba	1695
Methyl-t-butyl ether		<0.14	ug/L	0.14	0.45	SW 8260B	10/09/2001	aba	1695
1,1,2,2-Tetrachloroethane		<0.39	ug/L	0.39	1.3	SW 8260B	10/09/2001	aba	1695
Tetrachloroethene		<0.63	ug/L	0.63	2.0	SW 8260B	10/09/2001	aba	1695
Toluene		<0.39	ug/L	0.39	1.3	SW 8260B	10/09/2001	aba	1695
1,1,1-Trichloroethane		<0.28	ug/L	0.28	0.88	SW 8260B	10/09/2001	aba	1695
1,1,2-Trichloroethane		<0.15	ug/L	0.15	0.46	SW 8260B	10/09/2001	aba	1695
Trichloroethene		<0.49	ug/L	0.49	1.6	SW 8260B	10/09/2001	aba	1695
Vinyl Chloride		<0.46	ug/L	0.46	1.5	SW 8260B	10/09/2001	aba	1695
Xylenes, Total		<1.1	ug/L	1.1	3.6	SW 8260B	10/09/2001	aba	1695
Surr: Dibromofluoromethane		106.8	%		87-121	SW 8260B	10/09/2001	aba	1695
Surr: Toluene-d8		100.6	%		92-107	SW 8260B	10/09/2001	aba	1695
Surr: Bromofluorobenzene		95.2	%		89-109	SW 8260B	10/09/2001	aba	1695
PNA Extraction		10/08/2001				SW 3510C	10/08/2001	asm	975

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Ms. Tina Reese
TRIAD ENGINEERING
325 E Chicago
Milwaukee, WI 53202

10/11/2001
Job No: 01.07933
Sample No: 454450
Account No: 72200

JOB DESCRIPTION: Plant 1 Trent Tube WO13221 BG903
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: Plant 1 Effluent Trent Tube
Rec'd on ice

Date/Time Taken: 10/03/2001 15:05 Date Received: 10/04/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch	
PNA - 8310 AQUEOUS									
Benzo(a)anthracene	<0.036	ug/L	0.033	0.12	SW 8310	10/09/2001	cla	975	1529
Benzo(b)fluoranthene	<0.061	ug/L	0.056	0.20	SW 8310	10/09/2001	cla	975	1529
Benzo(k)fluoranthene	<0.054	ug/L	0.050	0.18	SW 8310	10/09/2001	cla	975	1529
Benzo(a)pyrene	<0.025	ug/L	0.023	0.082	SW 8310	10/09/2001	cla	975	1529
Benzo(ghi)perylene	<0.12	ug/L	0.11	0.40	SW 8310	10/09/2001	cla	975	1529
Chrysene	<0.032	ug/L	0.029	0.10	SW 8310	10/09/2001	cla	975	1529
Dibenzo(a,h)anthracene	<0.054	ug/L	0.050	0.18	SW 8310	10/09/2001	cla	975	1529
Fluoranthene	<0.084	ug/L	0.077	0.27	SW 8310	10/09/2001	cla	975	1529
Indeno(1,2,3-cd)pyrene	<0.043	ug/L	0.039	0.14	SW 8310	10/09/2001	cla	975	1529
Naphthalene	<0.41	ug/L	0.38	1.4	SW 8310	10/09/2001	cla	975	1529
Phenanthrene	<0.085	ug/L	0.078	0.28	SW 8310	10/09/2001	cla	975	1529
Pyrene	<0.066	ug/L	0.061	0.21	SW 8310	10/09/2001	cla	975	1529
Surr: 2-Fluorobiphenyl	101.0	%		39-143	SW 8310	10/09/2001	cla	975	1529

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Ms. Tina Reese
TRIAD ENGINEERING
325 E Chicago
Milwaukee, WI 53202

10/11/2001
Job No: 01.07933
Sample No: 454451
Account No: 72200

JOB DESCRIPTION: Plant 1 Trent Tube WO13221 BG903
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: Plant 1 Btw Carbon Trent Tube
Rec'd on ice

Date/Time Taken: 10/03/2001 15:10 Date Received: 10/04/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch	
VOC - AQUEOUS - EPA 8260B									
Benzene	<0.31	ug/L	0.31	0.98	SW 8260B	10/09/2001	aba		1695
Bromodichloromethane	<0.20	ug/L	0.20	0.63	SW 8260B	10/09/2001	aba		1695
Bromoform	<0.14	ug/L	0.14	0.45	SW 8260B	10/09/2001	aba		1695
Bromomethane	<0.46	ug/L	0.46	1.5	SW 8260B	10/09/2001	aba		1695
Carbon Tetrachloride	<0.40	ug/L	0.40	1.3	SW 8260B	10/09/2001	aba		1695
Chloroform	<0.18	ug/L	0.18	0.58	SW 8260B	10/09/2001	aba		1695
Chloromethane	<0.38	ug/L	0.38	1.2	SW 8260B	10/09/2001	aba		1695
1,2-Dichloroethane	<0.20	ug/L	0.20	0.63	SW 8260B	10/09/2001	aba		1695
1,1-Dichloroethene	<0.73	ug/L	0.73	2.3	SW 8260B	10/09/2001	aba		1695
cis-1,2-Dichloroethene	2.0	ug/L	0.23	0.74	SW 8260B	10/09/2001	aba		1695
trans-1,2-Dichloroethene	<0.39	ug/L	0.39	1.2	SW 8260B	10/09/2001	aba		1695
Ethylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	10/09/2001	aba		1695
Methylene Chloride	<0.87	ug/L	0.87	3.1	SW 8260B	10/09/2001	aba		1695
Methyl-t-butyl ether	<0.14	ug/L	0.14	0.45	SW 8260B	10/09/2001	aba		1695
1,1,2,2-Tetrachloroethane	<0.39	ug/L	0.39	1.3	SW 8260B	10/09/2001	aba		1695
Tetrachloroethene	<0.63	ug/L	0.63	2.0	SW 8260B	10/09/2001	aba		1695
Toluene	<0.39	ug/L	0.39	1.3	SW 8260B	10/09/2001	aba		1695
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.88	SW 8260B	10/09/2001	aba		1695
1,1,2-Trichloroethane	<0.15	ug/L	0.15	0.46	SW 8260B	10/09/2001	aba		1695
Trichloroethene	<0.49	ug/L	0.49	1.6	SW 8260B	10/09/2001	aba		1695
Vinyl Chloride	0.56	ug/L	0.46	1.5	SW 8260B	10/09/2001	aba		1695
Xylenes, Total	<1.1	ug/L	1.1	3.6	SW 8260B	10/09/2001	aba		1695
Surr: Dibromofluoromethane	102.4	%		87-121	SW 8260B	10/09/2001	aba		1695
Surr: Toluene-d8	100.0	%		92-107	SW 8260B	10/09/2001	aba		1695
Surr: Bromofluorobenzene	90.8	%		89-109	SW 8260B	10/09/2001	aba		1695
PNA Extraction	10/08/2001				SW 3510C	10/08/2001	asm	975	
PNA - 8310 AQUEOUS									
Benzo(a)anthracene	<0.034	ug/L	0.033	0.12	SW 8310	10/09/2001	cla	975	1529
Benzo(b)fluoranthene	<0.057	ug/L	0.056	0.20	SW 8310	10/09/2001	cla	975	1529
Benzo(k)fluoranthene	<0.051	ug/L	0.050	0.18	SW 8310	10/09/2001	cla	975	1529
Benzo(a)pyrene	<0.023	ug/L	0.023	0.082	SW 8310	10/09/2001	cla	975	1529
Benzo(ghi)perylene	<0.11	ug/L	0.11	0.40	SW 8310	10/09/2001	cla	975	1529
Chrysene	<0.030	ug/L	0.029	0.10	SW 8310	10/09/2001	cla	975	1529
Dibenzo(a,h)anthracene	<0.051	ug/L	0.050	0.18	SW 8310	10/09/2001	cla	975	1529
Fluoranthene	<0.079	ug/L	0.077	0.27	SW 8310	10/09/2001	cla	975	1529
Indeno(1,2,3-cd)pyrene	<0.040	ug/L	0.039	0.14	SW 8310	10/09/2001	cla	975	1529
Naphthalene	<0.39	ug/L	0.38	1.4	SW 8310	10/09/2001	cla	975	1529
Phenanthrene	<0.080	ug/L	0.078	0.28	SW 8310	10/09/2001	cla	975	1529

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Ms. Tina Reese
TRIAD ENGINEERING
325 E Chicago
Milwaukee, WI 53202

10/11/2001
Job No: 01.07933
Sample No: 454451
Account No: 72200

JOB DESCRIPTION: Plant 1 Trent Tube WO13221 BG903
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: Plant 1 Btw Carbon Trent Tube
Rec'd on ice

Date/Time Taken: 10/03/2001 15:10 Date Received: 10/04/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch	
Pyrene	<0.062	ug/L	0.061	0.21	SW 8310	10/09/2001	cla	975	1529
Surr: 2-Fluorobiphenyl	89.4	%		39-143	SW 8310	10/09/2001	cla	975	1529

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Ms. Tina Reese
TRIAD ENGINEERING
325 E Chicago
Milwaukee, WI 53202

10/11/2001
Job No: 01.07933
Sample No: 454452
Account No: 72200

JOB DESCRIPTION: Plant 1 Trent Tube WO13221 BG903
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: Plant 1 AS Outlet Trent Tube
Rec'd on ice

Date/Time Taken: 10/03/2001 15:27 Date Received: 10/04/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B								
Benzene	<0.31	ug/L	0.31	0.98	SW 8260B	10/09/2001	aba	1695
Bromodichloromethane	<0.20	ug/L	0.20	0.63	SW 8260B	10/09/2001	aba	1695
Bromoform	<0.14	ug/L	0.14	0.45	SW 8260B	10/09/2001	aba	1695
Bromomethane	<0.46	ug/L	0.46	1.5	SW 8260B	10/09/2001	aba	1695
Carbon Tetrachloride	<0.40	ug/L	0.40	1.3	SW 8260B	10/09/2001	aba	1695
Chloroform	<0.18	ug/L	0.18	0.58	SW 8260B	10/09/2001	aba	1695
Chloromethane	<0.38	ug/L	0.38	1.2	SW 8260B	10/09/2001	aba	1695
1,2-Dichloroethane	<0.20	ug/L	0.20	0.63	SW 8260B	10/09/2001	aba	1695
1,1-Dichloroethene	<0.73	ug/L	0.73	2.3	SW 8260B	10/09/2001	aba	1695
cis-1,2-Dichloroethene	31	ug/L	0.23	0.74	SW 8260B	10/09/2001	aba	1695
trans-1,2-Dichloroethene	<0.39	ug/L	0.39	1.2	SW 8260B	10/09/2001	aba	1695
Ethylbenzene	<0.38	ug/L	0.38	1.2	SW 8260B	10/09/2001	aba	1695
Methylene Chloride	<0.87	ug/L	0.87	3.1	SW 8260B	10/09/2001	aba	1695
Methyl-t-butyl ether	<0.14	ug/L	0.14	0.45	SW 8260B	10/09/2001	aba	1695
1,1,2,2-Tetrachloroethane	<0.39	ug/L	0.39	1.3	SW 8260B	10/09/2001	aba	1695
Tetrachloroethene	<0.63	ug/L	0.63	2.0	SW 8260B	10/09/2001	aba	1695
Toluene	<0.39	ug/L	0.39	1.3	SW 8260B	10/09/2001	aba	1695
1,1,1-Trichloroethane	0.62	ug/L	0.28	0.88	SW 8260B	10/09/2001	aba	1695
1,1,2-Trichloroethane	<0.15	ug/L	0.15	0.46	SW 8260B	10/09/2001	aba	1695
Trichloroethene	11	ug/L	0.49	1.6	SW 8260B	10/09/2001	aba	1695
Vinyl Chloride	<0.46	ug/L	0.46	1.5	SW 8260B	10/09/2001	aba	1695
Xylenes, Total	<1.1	ug/L	1.1	3.6	SW 8260B	10/09/2001	aba	1695
Surr: Dibromofluoromethane	103.4	%		87-121	SW 8260B	10/09/2001	aba	1695
Surr: Toluene-d8	101.6	%		92-107	SW 8260B	10/09/2001	aba	1695
Surr: Bromofluorobenzene	93.6	%		89-109	SW 8260B	10/09/2001	aba	1695

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Ms. Tina Reese
TRIAD ENGINEERING
325 E Chicago
Milwaukee, WI 53202

10/11/2001
Job No: 01.07933
Sample No: 454453
Account No: 72200

JOB DESCRIPTION: Plant 1 Trent Tube WO13221 BG903
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: Plant 1 Influent Trent Tube
Rec'd on ice

Date/Time Taken: 10/03/2001 15:20 Date Received: 10/04/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch	
Solids, Total Dissolved	760	mg/L	1.0	3.3	EPA 160.1	10/09/2001	djr		934
Arsenic, GFAA	0.0045	mg/L	0.0018	0.0065	EPA 206.2	10/10/2001	mmm	1159	832
Cadmium, GFAA	0.000074	mg/L	0.000042	0.00015	EPA 213.2	10/08/2001	mmm	1159	942
Chromium, GFAA	0.0038	mg/L	0.00052	0.0018	EPA 218.2	10/10/2001	mmm	1159	690
Lead, GFAA	<0.0012	mg/L	0.0012	0.0044	EPA 239.2	10/08/2001	mmm	1159	2109
Nickel, GFAA	0.011	mg/L	0.0015	0.0054	EPA 249.2	10/11/2001	mmm	1159	172
VOC - AQUEOUS - EPA 8260B									
Benzene	<31	ug/L	0.31	0.98	SW 8260B	10/10/2001	aba		1699
Bromodichloromethane	<20	ug/L	0.20	0.63	SW 8260B	10/10/2001	aba		1699
Bromoform	<14	ug/L	0.14	0.45	SW 8260B	10/10/2001	aba		1699
Bromomethane	<46	ug/L	0.46	1.5	SW 8260B	10/10/2001	aba		1699
Carbon Tetrachloride	<40	ug/L	0.40	1.3	SW 8260B	10/10/2001	aba		1699
Chloroform	<18	ug/L	0.18	0.58	SW 8260B	10/10/2001	aba		1699
Chloromethane	<38	ug/L	0.38	1.2	SW 8260B	10/10/2001	aba		1699
1,2-Dichloroethane	<20	ug/L	0.20	0.63	SW 8260B	10/10/2001	aba		1699
1,1-Dichloroethene	82	ug/L	0.73	2.3	SW 8260B	10/10/2001	aba		1699
cis-1,2-Dichloroethene	3,000	ug/L	0.23	0.74	SW 8260B	10/10/2001	aba		1699
trans-1,2-Dichloroethene	<39	ug/L	0.39	1.2	SW 8260B	10/10/2001	aba		1699
Ethylbenzene	<38	ug/L	0.38	1.2	SW 8260B	10/10/2001	aba		1699
Methylene Chloride	<87	ug/L	0.87	3.1	SW 8260B	10/10/2001	aba		1699
Methyl-t-butyl ether	<14	ug/L	0.14	0.45	SW 8260B	10/10/2001	aba		1699
1,1,2,2-Tetrachloroethane	<39	ug/L	0.39	1.3	SW 8260B	10/10/2001	aba		1699
Tetrachloroethene	<63	ug/L	0.63	2.0	SW 8260B	10/10/2001	aba		1699
Toluene	<39	ug/L	0.39	1.3	SW 8260B	10/10/2001	aba		1699
1,1,1-Trichloroethane	540	ug/L	0.28	0.88	SW 8260B	10/10/2001	aba		1699
1,1,2-Trichloroethane	<15	ug/L	0.15	0.46	SW 8260B	10/10/2001	aba		1699
Trichloroethene	3,600	ug/L	0.49	1.6	SW 8260B	10/10/2001	aba		1699
Vinyl Chloride	590	ug/L	0.46	1.5	SW 8260B	10/10/2001	aba		1699
Xylenes, Total	<110	ug/L	1.1	3.6	SW 8260B	10/10/2001	aba		1699
Surr: Dibromofluoromethane	99.4	%		87-121	SW 8260B	10/10/2001	aba		1699
Surr: Toluene-d8	107.2	%		92-107	SW 8260B	10/10/2001	aba		1699
Surr: Bromofluorobenzene	100.8	%		89-109	SW 8260B	10/10/2001	aba		1699
PNA Extraction	10/08/2001				SW 3510C	10/08/2001	asm	975	
PNA - 8310 AQUEOUS									
Benzo(a)anthracene	<0.034	ug/L	0.033	0.12	SW 8310	10/09/2001	cla	975	1529
Benzo(b)fluoranthene	<0.058	ug/L	0.056	0.20	SW 8310	10/09/2001	cla	975	1529
Benzo(k)fluoranthene	<0.052	ug/L	0.050	0.18	SW 8310	10/09/2001	cla	975	1529
Benzo(a)pyrene	<0.024	ug/L	0.023	0.082	SW 8310	10/09/2001	cla	975	1529
Benzo(ghi)perylene	<0.11	ug/L	0.11	0.40	SW 8310	10/09/2001	cla	975	1529

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ANALYTICAL REPORT

Ms. Tina Reese
TRIAD ENGINEERING
325 E Chicago
Milwaukee, WI 53202

10/11/2001
Job No: 01.07933
Sample No: 454453
Account No: 72200

JOB DESCRIPTION: Plant 1 Trent Tube WO13221 BG903
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: Plant 1 Influent Trent Tube
Rec'd on ice

Date/Time Taken: 10/03/2001 15:20 Date Received: 10/04/2001

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch	
Chrysene	<0.030	ug/L	0.029	0.10	SW 8310	10/09/2001	cla	975	1529
Dibenzo(a,h)anthracene	<0.052	ug/L	0.050	0.18	SW 8310	10/09/2001	cla	975	1529
Fluoranthene	<0.079	ug/L	0.077	0.27	SW 8310	10/09/2001	cla	975	1529
Indeno(1,2,3-cd)pyrene	<0.040	ug/L	0.039	0.14	SW 8310	10/09/2001	cla	975	1529
Naphthalene	<0.39	ug/L	0.38	1.4	SW 8310	10/09/2001	cla	975	1529
Phenanthrene	<0.080	ug/L	0.078	0.28	SW 8310	10/09/2001	cla	975	1529
Pyrene	<0.063	ug/L	0.061	0.21	SW 8310	10/09/2001	cla	975	1529
Surr: 2-Fluorobiphenyl	84.2	%		39-143	SW 8310	10/09/2001	cla	975	1529

TestAmerica
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ANALYTICAL REPORT

Ms. Tina Reese
TRIAD ENGINEERING
325 E Chicago
Milwaukee, WI 53202

10/11/2001
Job No: 01.07933
Sample No: 454454
Account No: 72200

JOB DESCRIPTION: Plant 1 Trent Tube WO13221 BG903
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: Plant 1 Trip Blank Trent Tube
Rec'd on ice

Date/Time Taken: 10/03/2001 UNKNOWN Date Received: 10/04/2001

Parameter		Results	Units	MDL	LOQ	Method	Date Analyzed	Analyst	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B									
Benzene		<0.31	ug/L	0.31	0.98	SW 8260B	10/09/2001	aba	1695
Bromodichloromethane		<0.20	ug/L	0.20	0.63	SW 8260B	10/09/2001	aba	1695
Bromoform		<0.14	ug/L	0.14	0.45	SW 8260B	10/09/2001	aba	1695
Bromomethane		<0.46	ug/L	0.46	1.5	SW 8260B	10/09/2001	aba	1695
Carbon Tetrachloride		<0.40	ug/L	0.40	1.3	SW 8260B	10/09/2001	aba	1695
Chloroform		<0.18	ug/L	0.18	0.58	SW 8260B	10/09/2001	aba	1695
Chloromethane		<0.38	ug/L	0.38	1.2	SW 8260B	10/09/2001	aba	1695
1,2-Dichloroethane		<0.20	ug/L	0.20	0.63	SW 8260B	10/09/2001	aba	1695
1,1-Dichloroethene		<0.73	ug/L	0.73	2.3	SW 8260B	10/09/2001	aba	1695
cis-1,2-Dichloroethene		<0.23	ug/L	0.23	0.74	SW 8260B	10/09/2001	aba	1695
trans-1,2-Dichloroethene		<0.39	ug/L	0.39	1.2	SW 8260B	10/09/2001	aba	1695
Ethylbenzene		<0.38	ug/L	0.38	1.2	SW 8260B	10/09/2001	aba	1695
Methylene Chloride	L	1.2	ug/L	0.87	3.1	SW 8260B	10/09/2001	aba	1695
Methyl-t-butyl ether		<0.14	ug/L	0.14	0.45	SW 8260B	10/09/2001	aba	1695
1,1,2,2-Tetrachloroethane		<0.39	ug/L	0.39	1.3	SW 8260B	10/09/2001	aba	1695
Tetrachloroethene		<0.63	ug/L	0.63	2.0	SW 8260B	10/09/2001	aba	1695
Toluene		<0.39	ug/L	0.39	1.3	SW 8260B	10/09/2001	aba	1695
1,1,1-Trichloroethane		<0.28	ug/L	0.28	0.88	SW 8260B	10/09/2001	aba	1695
1,1,2-Trichloroethane		<0.15	ug/L	0.15	0.46	SW 8260B	10/09/2001	aba	1695
Trichloroethene		<0.49	ug/L	0.49	1.6	SW 8260B	10/09/2001	aba	1695
Vinyl Chloride		<0.46	ug/L	0.46	1.5	SW 8260B	10/09/2001	aba	1695
Xylenes, Total		<1.1	ug/L	1.1	3.6	SW 8260B	10/09/2001	aba	1695
Surr: Dibromofluoromethane		101.8	%		87-121	SW 8260B	10/09/2001	aba	1695
Surr: Toluene-d8		102.6	%		92-107	SW 8260B	10/09/2001	aba	1695
Surr: Bromofluorobenzene		95.8	%		89-109	SW 8260B	10/09/2001	aba	1695

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QUALITY CONTROL REPORT
CONTINUING CALIBRATION VERIFICATION

10/11/2001

Ms. Tina Reese
TRIAD ENGINEERING
325 E Chicago
Milwaukee, WI 53202

Job No: 01.07933
Account No: 72200

Job Description: Plant 1 Trent Tube WO13221 BG903

Parameter	Run Batch	True Value	Observed Value	Percent Recovery	Control Limits
Chromium, hexavalent	740	0.500	0.50	100.0	90 - 110
Chromium, hexavalent	740	0.500	0.52	104.0	90 - 110
Hardness, Total	792	80.0	84	105.0	90 - 110
Hardness, Total	792	80.0	84	105.0	90 - 110
Arsenic, GFAA	832	0.0500	0.0516	103.2	90 - 110
Arsenic, GFAA	832	0.0500	0.0540	108.0	90 - 110
Cadmium, GFAA	942	0.00100	0.00104	104.0	90 - 110
Cadmium, GFAA	942	0.00100	0.00102	102.0	90 - 110
Chromium, GFAA	690	0.0100	0.0105	105.0	90 - 110
Chromium, GFAA	690	0.0100	0.0103	103.0	90 - 110
Lead, GFAA	2109	0.0250	0.0263	105.2	90 - 110
Lead, GFAA	2109	0.0250	0.0263	105.2	90 - 110
Nickel, GFAA	172	0.0200	0.0214	107.0	90 - 110
Nickel, GFAA	172	0.0200	0.0201	100.5	90 - 110
VOC - AQUEOUS - EPA 8260B					
Benzene	1695	50.0	51.0	102.0	
Bromoform	1695	50.0	51.9	103.8	
Chloroform	1695	50.0	50.2	100.4	80 - 120
Chloromethane	1695	50.0	51.2	102.4	
1,1-Dichloroethene	1695	50.0	54.8	109.6	80 - 120
Ethylbenzene	1695	50.0	50.3	100.6	80 - 120
Methyl-t-butyl ether	1695	50.0	47.4	94.8	
1,1,2,2-Tetrachloroethane	1695	50.0	49.6	99.2	
Toluene	1695	50.0	51.5	103.0	80 - 120
Trichloroethene	1695	50.0	50.1	100.2	
Vinyl Chloride	1695	50.0	54.8	109.6	
Xylenes, Total	1695	150	144	96.0	
Surr: Dibromofluoromethane	1695	50.0	49.0	98.0	87 - 116
Surr: Toluene-d8	1695	50.0	50.8	101.6	89 - 109
Surr: Bromofluorobenzene	1695	50.0	47.1	94.2	87 - 112
VOC - AQUEOUS - EPA 8260B					
Benzene	1699	50.0	50.4	100.8	
Bromoform	1699	50.0	39.8	79.6	
Chloroform	1699	50.0	50.6	101.2	80 - 120
Chloromethane	1699	50.0	44.2	88.4	
1,1-Dichloroethene	1699	50.0	49.8	99.6	80 - 120
Ethylbenzene	1699	50.0	46.6	93.2	80 - 120
Methyl-t-butyl ether	1699	50.0	49.0	98.0	
1,1,2,2-Tetrachloroethane	1699	50.0	55.6	111.2	
Toluene	1699	50.0	51.1	102.2	80 - 120
Trichloroethene	1699	50.0	49.0	98.0	
Vinyl Chloride	1699	50.0	48.5	97.0	

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QUALITY CONTROL REPORT
CONTINUING CALIBRATION VERIFICATION

10/11/2001

Ms. Tina Reese
TRIAD ENGINEERING
325 E Chicago
Milwaukee, WI 53202

Job No: 01.07933
Account No: 72200

Job Description: Plant 1 Trent Tube WO13221 BG903

Parameter	Run Batch	True Value	Observed Value	Percent Recovery	Control Limits
Xylenes, Total	1699	150	141	94.0	
Surr: Dibromofluoromethane	1699	50.0	49.6	99.2	87 - 116
Surr: Toluene-d8	1699	50.0	52.8	105.6	89 - 109
Surr: Bromofluorobenzene	1699	50.0	48.2	96.4	87 - 112
PNA - 8310 AQUEOUS					
Benzo(a)anthracene	1529	0.50	0.468	93.6	85 - 115
Benzo(b)fluoranthene	1529	1.00	0.925	92.5	85 - 115
Benzo(k)fluoranthene	1529	0.50	0.435	87.0	85 - 115
Benzo(a)pyrene	1529	0.50	0.484	96.8	85 - 115
Benzo(ghi)perylene	1529	1.00	1.04	104.0	85 - 115
Chrysene	1529	0.50	0.491	98.2	85 - 115
Dibenzo(a,h)anthracene	1529	1.00	0.909	90.9	85 - 115
Fluoranthene	1529	1.00	0.946	94.6	85 - 115
Indeno(1,2,3-cd)pyrene	1529	0.50	0.451	90.2	85 - 115
Naphthalene	1529	5.00	4.71	94.2	85 - 115
Phenanthrene	1529	0.50	0.460	92.0	85 - 115
Pyrene	1529	0.50	0.516	103.2	85 - 115
Surr: 2-Fluorobiphenyl	1529	5.00	4.54	90.8	85 - 115
PNA - 8310 AQUEOUS					
Benzo(a)anthracene	1529	0.50	0.511	102.2	85 - 115
Benzo(b)fluoranthene	1529	1.00	1.01	101.0	85 - 115
Benzo(k)fluoranthene	1529	0.50	0.475	95.0	85 - 115
Benzo(a)pyrene	1529	0.50	0.528	105.6	85 - 115
Benzo(ghi)perylene	1529	1.00	1.13	113.0	85 - 115
Chrysene	1529	0.50	0.532	106.4	85 - 115
Dibenzo(a,h)anthracene	1529	1.00	0.992	99.2	85 - 115
Fluoranthene	1529	1.00	1.07	107.0	85 - 115
Indeno(1,2,3-cd)pyrene	1529	0.50	0.515	103.0	85 - 115
Naphthalene	1529	5.00	4.59	91.8	85 - 115
Phenanthrene	1529	0.50	0.499	99.8	85 - 115
Pyrene	1529	0.50	0.566	113.2	85 - 115
Surr: 2-Fluorobiphenyl	1529	5.00	4.95	99.0	85 - 115

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INCORPORATED

QUALITY CONTROL REPORT

BLANKS

10/11/2001

Ms. Tina Reese
TRIAD ENGINEERING
325 E Chicago
Milwaukee, WI 53202

Job No: 01.07933
Account No: 72200

Job Description: Plant 1 Trent Tube WO13221 BG903

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Chromium, hexavalent		740	<0.0042	0.0042	0.015	mg/L
Chromium, hexavalent		740	<0.0042	0.0042	0.015	mg/L
Hardness, Total		792	4.0	4.0	12	mg/L
Hardness, Total		792	4.0	4.0	12	mg/L
Arsenic, GFAA	1159	832	<0.0018	0.0018	0.0065	mg/L
Arsenic, GFAA		832	<0.0018	0.0018	0.0065	mg/L
Cadmium, GFAA	1159	942	<0.000042	0.000042	0.00015	mg/L
Cadmium, GFAA		942	<0.000042	0.000042	0.00015	mg/L
Chromium, GFAA	1159	690	<0.00052	0.00052	0.0018	mg/L
Chromium, GFAA		690	<0.00052	0.00052	0.0018	mg/L
Lead, GFAA	1159	2109	<0.0012	0.0012	0.0044	mg/L
Lead, GFAA		2109	<0.0012	0.0012	0.0044	mg/L
Nickel, GFAA	1159	172	<0.0015	0.0015	0.0054	mg/L
Nickel, GFAA		172	<0.0015	0.0015	0.0054	mg/L
VOC - AQUEOUS - EPA 8260B						
Benzene		1695	<0.31	0.31	0.98	ug/L
Bromodichloromethane		1695	<0.20	0.20	0.63	ug/L
Bromoform		1695	<0.14	0.14	0.45	ug/L
Bromomethane		1695	<0.46	0.46	1.5	ug/L
Carbon Tetrachloride		1695	<0.40	0.40	1.3	ug/L
Chloroform		1695	<0.18	0.18	0.58	ug/L
Chloromethane		1695	<0.38	0.38	1.2	ug/L
1,2-Dichloroethane		1695	<0.20	0.20	0.63	ug/L
1,1-Dichloroethene		1695	<0.73	0.73	2.3	ug/L
cis-1,2-Dichloroethene		1695	<0.23	0.23	0.74	ug/L
trans-1,2-Dichloroethene		1695	<0.39	0.39	1.2	ug/L
Ethylbenzene		1695	<0.38	0.38	1.2	ug/L
Methylene Chloride		1695	<0.87	0.87	3.1	ug/L
Methyl-t-butyl ether		1695	<0.14	0.14	0.45	ug/L
1,1,2,2-Tetrachloroethane		1695	<0.39	0.39	1.3	ug/L
Tetrachloroethene		1695	<0.63	0.63	2.0	ug/L
Toluene		1695	<0.39	0.39	1.3	ug/L
1,1,1-Trichloroethane		1695	<0.28	0.28	0.88	ug/L
1,1,2-Trichloroethane		1695	<0.15	0.15	0.46	ug/L
Trichloroethene		1695	<0.49	0.49	1.6	ug/L
Vinyl Chloride		1695	<0.46	0.46	1.5	ug/L
Xylenes, Total		1695	<1.1	1.1	3.6	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

TestAmerica
INCORPORATED

QUALITY CONTROL REPORT

BLANKS

10/11/2001

Ms. Tina Reese
TRIAD ENGINEERING
325 E Chicago
Milwaukee, WI 53202

Job No: 01.07933
Account No: 72200

Job Description: Plant 1 Trent Tube WO13221 BG903

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Surr: Dibromofluoromethane		1695	96.6		87-121	%
Surr: Toluene-d8		1695	100.8		92-107	%
Surr: Bromofluorobenzene		1695	93.2		89-109	%
VOC - AQUEOUS - EPA 8260B						
Benzene		1699	<0.31	0.31	0.98	ug/L
Bromodichloromethane		1699	<0.20	0.20	0.63	ug/L
Bromoform		1699	<0.14	0.14	0.45	ug/L
Bromomethane		1699	<0.46	0.46	1.5	ug/L
Carbon Tetrachloride		1699	<0.40	0.40	1.3	ug/L
Chloroform		1699	<0.18	0.18	0.58	ug/L
Chloromethane		1699	<0.38	0.38	1.2	ug/L
1,2-Dichloroethane		1699	<0.20	0.20	0.63	ug/L
1,1-Dichloroethene		1699	<0.73	0.73	2.3	ug/L
cis-1,2-Dichloroethene		1699	<0.23	0.23	0.74	ug/L
trans-1,2-Dichloroethene		1699	<0.39	0.39	1.2	ug/L
Ethylbenzene		1699	<0.38	0.38	1.2	ug/L
Methylene Chloride		1699	4.87	0.87	3.1	ug/L
Methyl-t-butyl ether		1699	<0.14	0.14	0.45	ug/L
1,1,2,2-Tetrachloroethane		1699	<0.39	0.39	1.3	ug/L
Tetrachloroethene		1699	<0.63	0.63	2.0	ug/L
Toluene		1699	<0.39	0.39	1.3	ug/L
1,1,1-Trichloroethane		1699	<0.28	0.28	0.88	ug/L
1,1,2-Trichloroethane		1699	<0.15	0.15	0.46	ug/L
Trichloroethene		1699	<0.49	0.49	1.6	ug/L
Vinyl Chloride		1699	<0.46	0.46	1.5	ug/L
Xylenes, Total		1699	<1.1	1.1	3.6	ug/L
Surr: Dibromofluoromethane		1699	97.4		87-121	%
Surr: Toluene-d8		1699	111.8		92-107	%
Surr: Bromofluorobenzene		1699	97.2		89-109	%
PNA - 8310 AQUEOUS						
Benzo(a)anthracene	975	1528	<0.033	0.033	0.12	ug/L
Benzo(b)fluoranthene	975	1528	<0.056	0.056	0.20	ug/L
Benzo(k)fluoranthene	975	1528	<0.050	0.050	0.18	ug/L
Benzo(a)pyrene	975	1528	<0.023	0.023	0.082	ug/L
Benzo(ghi)perylene	975	1528	<0.11	0.11	0.40	ug/L
Chrysene	975	1528	<0.029	0.029	0.10	ug/L
Dibenzo(a,h)anthracene	975	1528	<0.050	0.050	0.18	ug/L

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

TestAmerica
INCORPORATED

QUALITY CONTROL REPORT
BLANKS

10/11/2001

Ms. Tina Reese
TRIAD ENGINEERING
325 E Chicago
Milwaukee, WI 53202

Job No: 01.07933
Account No: 72200

Job Description: Plant 1 Trent Tube WO13221 BG903

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Fluoranthene	975	1528	<0.077	0.077	0.27	ug/L
Indeno(1,2,3-cd)pyrene	975	1528	<0.039	0.039	0.14	ug/L
Naphthalene	975	1528	<0.38	0.38	1.4	ug/L
Phenanthrene	975	1528	<0.078	0.078	0.28	ug/L
Pyrene	975	1528	<0.061	0.061	0.21	ug/L
Surr: 2-Fluorobiphenyl	975	1528	72.0		39-143	%

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

QUALITY CONTROL REPORT
LABORATORY CONTROL STANDARD

10/11/2001

Ms. Tina Reese
TRIAD-ENGINEERING
325 E Chicago
Milwaukee, WI 53202

Job No: 01.07933
Account No: 72200

Job Description: Plant 1 Trent Tube WO13221 BG903

Analyte	Prep Batch Number	Run Batch Number	LCS Amount	Units	LCS Result	LCSD Result	LCS Percent Recovery	LCSD Percent Recovery	Control Limits	Relative Percent Difference
Arsenic, GFAA	1159	832	0.0500	mg/L	0.0517		103.4		83 - 119	
Cadmium, GFAA	1159	942	0.00200	mg/L	0.00179		89.5		76 - 124	
Chromium, GFAA	1159	690	0.0100	mg/L	0.0102		102.0		87 - 116	
Lead, GFAA	1159	2109	0.0200	mg/L	0.0198		99.0		87 - 118	
Nickel, GFAA	1159	172	0.0200	mg/L	0.0186		93.0		68 - 123	
PNA - 8310 AQUEOUS										
Benzo(a)anthracene	975	1528	1.00	ug/L	0.666		66.6		71 - 125	
Benzo(b)fluoranthene	975	1528	2.00	ug/L	1.19		59.5		65 - 127	
Benzo(k)fluoranthene	975	1528	1.00	ug/L	0.893		89.3		68 - 126	
Benzo(a)pyrene	975	1528	1.00	ug/L	0.615		61.5		48 - 139	
Benzo(ghi)perylene	975	1528	2.00	ug/L	1.38		69.0		55 - 135	
Chrysene	975	1528	1.00	ug/L	0.654		65.4		64 - 126	
Dibenzo(a,h)anthracene	975	1528	2.00	ug/L	1.16		58.0		59 - 137	
Fluoranthene	975	1528	2.00	ug/L	1.25		62.5		70 - 123	
Indeno(1,2,3-cd)pyrene	975	1528	1.00	ug/L	0.597		59.7		61 - 133	
Naphthalene	975	1528	10.0	ug/L	5.75		57.5		58 - 117	
Phenanthrene	975	1528	1.00	ug/L	0.630		63.0		67 - 124	
Pyrene	975	1528	1.00	ug/L	0.652		65.2		58 - 128	
Surr: 2-Fluorobiphenyl	975	1528	5.00	ug/L	3.15		63.0		57 - 117	

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INCORPORATED

QUALITY CONTROL REPORT
MATRIX SPIKE/MATRIX SPIKE DUPLICATE

10/11/2001

Ms. Tina Reese
TRIAD-ENGINEERING
325 E Chicago
Milwaukee, WI 53202

Job No: 01.07933
Account No: 72200

Job Description: Plant 1 Trent Tube WO13221 BG903

Analyte	Prep Batch Number	Run Batch Number	Sample Result	Spike Amount	Units	Matrix Spike Result	MSD Result	MS Percent Recovery	MSD Percent Recovery	Control Limits	Relative Percent Difference
Hardness, Total		792	370	80.0	mg/L	460	460	112.5	112.5	82 - 118	0.0
Cadmium, GFAA	1159	942	0.16	2.00	ug/L	1.95	1.97	89.5	90.5	70 - 130	1.0
Chromium, GFAA	1159	690	0.61	10.0	ug/L	11.5	13.1	108.9	124.9	80 - 131	13.0
Lead, GFAA	1159	2109	<1.2	20.0	ug/L	21.6	22.2	108.0	111.0	73 - 122	2.7
VOC - AQUEOUS - EPA 8260B											
Benzene		1695	<0.31	50.0	ug/L	48.7	50.8	97.4	101.6	80 - 121	4.2
1,1-Dichloroethene		1695	<0.73	50.0	ug/L	53.6	56.6	107.2	113.2	72 - 131	5.4
Ethylbenzene		1695	<0.38	50.0	ug/L	50.3	50.9	100.6	101.8	83 - 118	1.2
Methyl-t-butyl ether		1695	<0.14	50.0	ug/L	46.1	50.0	92.2	100.0	71 - 127	8.1
Toluene		1695	<0.39	50.0	ug/L	50.2	50.4	100.4	100.8	82 - 116	0.4
Trichloroethene		1695	<0.49	50.0	ug/L	49.2	49.2	98.4	98.4	80 - 117	0.0
Xylenes, Total		1695	<1.1	150	ug/L	149	153	99.3	102.0	84 - 119	2.6
Surr: Dibromofluoromethane		1695	53.4	50.0	ug/L	50.2	51.7	100.4	103.4	83 - 125	2.9
Surr: Toluene-d8		1695	50.3	50.0	ug/L	50.6	50.3	101.2	100.6	90 - 110	0.6
Surr: Bromofluorobenzene		1695	47.6	50.0	ug/L	46.3	48.0	92.6	96.0	86 - 115	3.6

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QUALITY CONTROL REPORT
SPIKES

10/11/2001

Ms. Tina Reese
TRIAD-ENGINEERING
325 E Chicago
Milwaukee, WI 53202

Job No: 01.07933
Account No: 72200

Job Description: Plant 1 Trent Tube WO13221 BG903

Analyte	Prep Batch Number	Run Batch Number	Sample Result	Spike Amount	Units	Spike Result	Percent Recovery	Control Limits
Arsenic, GFAA	1159	832	<0.0018	0.0500	mg/L	0.0514	102.8	74 - 128
Nickel, GFAA	1159	172	0.0075	0.0200	mg/L	0.0256	90.5	41 - 139

TestAmerica
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QUALITY CONTROL REPORT
DUPLICATES

10/11/2001

Ms. Tina Reese
TRIAD ENGINEERING
325 E Chicago
Milwaukee, WI 53202

Job No: 01.07933
Account No: 72200

Job Description: Plant 1 Trent Tube WO13221 BG903

Parameter	Prep Batch Number	Run Batch Number	Sample Value	Duplicate Value	Units	RPD	Control Limit
Chromium, hexavalent		740	<0.0042	<0.0042	mg/L		23
Hardness, Total		792	450	450	mg/L	0.0	15
Solids, Total Dissolved		934	890	917	mg/L	3.0	10
Solids, Total Dissolved		934	360	365	mg/L	1.4	10
Solids, Total Suspended		2500	16	17.0	mg/L	6.1	26
Solids, Total Suspended		2500	680	570	mg/L	17.6	26