



DuPont Engineering
325 West Main Street
Suite 1202
Louisville, KY 40202
502-569-7093 Tel 502-569-7898 Fax

December 30, 2004

Mr. Christopher Saari
Hydrogeologist
Northern Region Remediation and Redevelopment
State of Wisconsin Department of Natural Resources (WDNR)
Ashland Service Center
2501 Golf Course Road
Ashland, Wisconsin 54806



TRIANNUAL OFF-SITE GROUNDWATER SAMPLING RESULTS
AUGUST 2004 EVENT
Former DuPont Barksdale Works Site
(BRRTS #02-04-000156)
Barksdale, Wisconsin

Dear Mr. Saari:

Attached to this letter report are the final analytical results from the August 2004 off-site well sampling, which was conducted in the vicinity of the Former DuPont Barksdale Works Site. The field work and sample analysis were performed in accordance with the WDNR approved *Private Well Monitoring Proposal*, dated November 6, 2002, and amended during telephone conversations in December 2002. This sampling program was initiated to determine and confirm the extent of known affected private water drinking wells in the vicinity of the site, confirm the effectiveness of the carbon treatment systems, and monitor unaffected wells in close proximity to the site that do not have carbon treatment systems.

During the August 2004 event, DuPont obtained access to 84 of the 86 drinking water wells specified per the November 2002 work plan. DuPont was unable to reach the homeowners at FC Nos. 73190 and 73200 of State Highway (HWY) 13; therefore, these locations were not sampled. Because these two locations were connected to the Washburn water line in December 2004; no further attempt to collect samples from the wells at these residences will be made.

Thirty-three of the 84 potable wells sampled have carbon treatment systems in place, 19 of which have had historical detections of site related constituents. A total of 117 samples were collected in August (66 samples at the 33 potable wells equipped with carbon treatment systems and 51 samples (one each) from the remainder of the potable wells). Potable wells that have carbon treatment systems in place were sampled from the inflow port (sample point closest to the well head and prior to treatment) and the effluent port (location after both carbon treatment cylinders and before any potential drinking ports).

All of the data generated during the sampling event was reviewed by DuPont's ADQM group, which applies data usability qualifiers based on specific project and/or laboratory QC limits; holding time criteria; trip and laboratory method blank detections and quantitation between the MDL and PQL. In addition to this in-house verification, the data were submitted for independent data validation by Environmental Standards Inc., in Valley Forge, Pennsylvania. Summaries of the August 2004 analytical results are presented in the attached tables. Figure 1 shows the sample locations for this event. The list of analytical results and the validation reports are included in Appendix A.

Nitroaromatic/Nitramine Organic Compounds

The following locations were sampled for nitroaromatic/nitramine organic compounds at the inflow port and effluent port (if carbon treatment system present) during this event:

- ❑ 30 residential wells on HWY 13 (FC Nos. 70990 to 73605 excluding FC Nos. 73190 and 73200 that were unable to be reached and FC. 72410 which has been demolished);
- ❑ One location on Bono Creek Rd (FC No. 73300);
- ❑ 12 residential wells on Nolander Road (between FC Nos. 29450 and 30900);
- ❑ One well on Bjork Road (FC No. 73150);
- ❑ 10 locations on Birch Grove Road (FC Nos. 31120 to 73120);
- ❑ 10 residential wells on East Ondossagon (FC Nos. between 29025 and 29700);
- ❑ Eight locations on Ondossagon Road (between FC Nos. 71015 and 73055);
- ❑ Six residential wells on Wedel Road (FC Nos. 30600, 30765, 30870 and 30875);
- ❑ Four locations on Mission Spring Road (FC Nos. 30095, 30175, 30190, and 30200); and,
- ❑ Location "PZ-16-POT" (drinking-water source for the on-site trailer located at FC No. 72315 HWY 13) and location "CLUBHOUSE" (drinking-water source for the clubhouse at FC No. 72315 of HWY 13).

Of the areas listed above, only 19 potable wells with carbon treatment systems had historical detections of site-related compounds, including the clubhouse well on the Former Barksdale Site. FC No. 30900 of Nolander Road had historical detections of nitroaromatic/nitramine organic compounds at the old residential well; however, since the new, "deeper" well was installed in late 2002, no nitroaromatic/nitramine compounds have been detected at the inflow port.

Eleven of the potable wells sampled had detections of nitroaromatic/nitramine organic compounds during this sampling event. With the exception of FC No. 72860 on HWY 13, no new locations were reported as having detections (Table 1). FC No. 7280 had an estimated detection of 2,6-Dinitrotoluene (2,6-DNT) at a concentration of 0.043J micrograms per liter (ug/L) or parts per billion. This detection was confirmed by the duplicate sample collected at the location. The estimated concentration of 2,6-DNT detected at this location is below the Wisconsin Enforcement Standard of 0.05 ug/L. The residence serviced by this well was connected to the Washburn water

line on December 14, 2004, and the homeowners are no longer drinking the water from the private well.

At the locations with systems present, no compounds were detected at the effluent port. These results indicate that the carbon treatment systems continue to be effective at removing the constituents of concern from the residential water sources.

VOCs

Off-site-monitoring wells that have historical detections of one or more VOCs are required to be monitored. Potable wells located at the following addresses were sampled for VOCs (inflow port only):

- FC Nos. 29600, 30810 and 30900 on Nolander Road;
- FC Nos. 72040, 72330, 72370, 72700 and 72790 on HWY 13;
- FC Nos. 31120, 73110, and 73120 on Birch Grove Road; and,
- FC No. 72315 on HWY 13 (potable well supplying the DuPont site office (PZ-16-POT)).

One or more of five VOCs (1,1,1-trichloroethane, acetone, carbon disulfide, methylene chloride, and toluene) were detected at nine of the above locations (Table 2). Detections of methylene chloride were qualified due to method blank contamination. Furthermore, review of Quality Assurance/Quality Control (QA/QC) sample results indicated acetone was present in some of the trip blanks (Table 2). As a result these compound are likely laboratory artifacts. A review of historical data indicates that all five compounds have been reported within the last three years in potable well samples. However, the detected VOCs are common laboratory artifacts; therefore, the source at this time remains unclear. Figure 1 shows the extent of the VOC detections around the site.

Results Summary/Conclusions

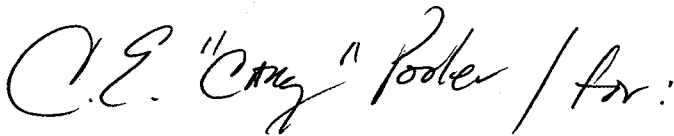
Results of the August 2004 off-site well sampling indicate nitroaromatic/nitramine organic compounds and/or VOCs were detected at 20 of the 84 potable wells sampled. All of the locations that have detections of these compounds have a carbon treatment system installed with no detections of nitroaromatic/nitramine organic compounds in the effluent port, except for FC No. 72860 on HWY 13. This location is currently connected to the Washburn water line and the residents are longer consuming the water from this well. Furthermore, the August data indicate that the carbon treatment systems continue to remove organic constituents of concern from impacted residential drinking water. With no new detections in the wells that are outside the plume area, the full extent of affected wells appear to remain identified.

Upon completion of the Washburn water line in 2005, DuPont will work with the WDNR to develop a new potable well monitoring proposal for future sampling in the vicinity of the former Barksdale site.

Mr. Christopher Saari
December 30, 2004
Page 4

If you have any questions regarding this data report, please call either me (502-217-1531) or Mr. Cary Pooler (502-217-1534).

Sincerely,

Handwritten signature of C.G. "Cary" Pooler in black ink.

Bradley S. Nave
Project Director
DuPont Corporate Remediation Group

Enclosure:

Tables:

Table 1 Summary of Nitroaromatic/Nitramine Organic Results – August 2004
Table 2 Summary of Wisconsin Regulated VOC Results – August 2004

Figures:

Figure 1 August 2004 Nitroaromatic/Nitramine and Volatile Organics Sample Results

Appendices:

Appendix A Barksdale Works – August 2004 Residential Well Sampling.

cc: P. Bretting, C.G. Bretting Mfg., Inc.
H. Nehls-Lowe, Wisconsin DHFS
A. Lindsey, Bayfield County Health Dept.
C. Pooler, URSD
M. Turco, URSD
File 7355

Table 1
Summary of Nitroaromatic/Nitramine Organic Results
August 2004

Analyte	Wisconsin		Sample ID Date Duplicate #	29025E-INFLOW	29190E-INFLOW	29240E-INFLOW	29250E-INFLOW
	Enforcement Standard	units		8/25/04	8/25/04	8/25/04	8/25/04
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

Analyte	Wisconsin		Sample ID Date Duplicate #	29310E-INFLOW	29380E-INFLOW	29430E-INFLOW	29440E-INFLOW
	Enforcement Standard	units		8/25/04	8/25/04	8/25/04	8/25/04
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

< and ND = Non detect at stated reporting limit
J= Estimated concentrations
Highlighted = exceeded WES
Bold = compound detected

Table 1
Summary of Nitroaromatic/Nitramine Organic Results
August 2004

Analyte	Wisconsin		Sample ID Date Duplicate #	29450N-INFLOW	29600N-INFLOW	29700E-INFLOW	29745E-INFLOW
	Enforcement Standard	units		8/23/04	8/23/04	8/24/04	8/24/04
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

Analyte	Wisconsin		Sample ID Date Duplicate #	29890N-INFLOW	30095M-INFLOW	30110N-INFLOW	30175M-INFLOW
	Enforcement Standard	units		8/23/04	8/24/04	8/23/04	8/24/04
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

< and ND = Non detect at stated reporting limit
J= Estimated concentrations
Highlighted = exceeded WES
Bold = compound detected

Table 1
Summary of Nitroaromatic/Nitramine Organic Results
August 2004

Analyte	Wisconsin		Sample ID Date Duplicate #	30190M-INFLOW	30190M-INFLOW	30200M-INFLOW	30240N-INFLOW
	Enforcement Standard	units		8/24/04 1	8/24/04 2	8/25/04 1	8/23/04 1
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

Analyte	Wisconsin		Sample ID Date Duplicate #	30300N-INFLOW	30380N-INFLOW	30490N-INFLOW	30600N-INFLOW
	Enforcement Standard	units		8/23/04 1	8/23/04 1	8/24/04 1	8/23/04 1
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

< and ND = Non detect at stated reporting limit
J= Estimated concentrations
Highlighted = exceeded WES
Bold = compound detected

Table 1
Summary of Nitroaromatic/Nitramine Organic Results
August 2004

Analyte	Wisconsin		Sample ID Date Duplicate #	30600W-INFLOW	30700N-INFLOW	30700N-EFFLUENT	30765W-INFLOW
	Enforcement Standard	units		8/25/04	8/23/04	8/23/04	8/25/04
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	0.13	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	1.3	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	0.024 J	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	0.068 J	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

Analyte	Wisconsin		Sample ID Date Duplicate #	30710W-INFLOW	30810N-INFLOW	30810N-INFLOW	30810N-EFFLUENT
	Enforcement Standard	units		8/25/04	8/23/04	8/23/04	8/23/04
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	0.22	0.18	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	1.5	1.4	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	0.17	0.17	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	0.22	0.21	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

< and ND = Non detect at stated reporting limit
J= Estimated concentrations
Highlighted = exceeded WES
Bold = compound detected

Table 1
Summary of Nitroaromatic/Nitramine Organic Results
August 2004

Analyte	Wisconsin Enforcement Standard		Sample ID Date Duplicate #	30870W-INFLOW	30875W-INFLOW	30900N-INFLOW	30900N-EFFLUENT
	Standard	units		8/25/04	8/25/04	8/23/04	8/23/04
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

Analyte	Wisconsin Enforcement Standard		Sample ID Date Duplicate #	30930W-INFLOW	31120BG-INFLOW	31120BG-EFFLUENT	70990H-INFLOW
	Standard	units		8/25/04	8/24/04	8/24/04	8/24/04
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	0.15	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	0.58	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

< and ND = Non detect at stated reporting limit
J= Estimated concentrations
Highlighted = exceeded WES
Bold = compound detected

Table 1
Summary of Nitroaromatic/Nitramine Organic Results
August 2004

Analyte	Wisconsin		Sample ID Date	710150-INFLOW	71075H-INFLOW	711150-INFLOW	711250-INFLOW
	Enforcement Standard	units		8/25/04	8/24/04	8/25/04	8/25/04
			Duplicate #	1	1	1	1
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

Analyte	Wisconsin		Sample ID Date	711250-INFLOW	711500-INFLOW	71205H-INFLOW	71210H-INFLOW
	Enforcement Standard	units		8/25/04	8/25/04	8/24/04	8/24/04
			Duplicate #	2	1	1	1
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

< and ND = Non detect at stated reporting limit
J= Estimated concentrations
Highlighted = exceeded WES
Bold = compound detected

Table 1
Summary of Nitroaromatic/Nitramine Organic Results
August 2004

Analyte	Wisconsin Enforcement Standard		Sample ID Date Duplicate #	71230H-INFLOW	71230H-INFLOW	71250H-INFLOW	71270H-INFLOW
	Standard	units		8/24/04	8/24/04	8/24/04	8/24/04
				1	2	1	1
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

Analyte	Wisconsin Enforcement Standard		Sample ID Date Duplicate #	71450H-INFLOW	71470H-INFLOW	714850-INFLOW	71500H-INFLOW
	Standard	units		8/24/04	8/24/04	8/25/04	8/24/04
				1	1	1	1
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

< and ND = Non detect at stated reporting limit
J= Estimated concentrations
Highlighted = exceeded WES
Bold = compound detected

Table 1
Summary of Nitroaromatic/Nitramine Organic Results
August 2004

Analyte	Wisconsin		Sample ID Date Duplicate #	717150-INFLOW	72040H-INFLOW	72040H-EFFLUENT	725450-INFLOW
	Enforcement Standard	units		8/25/04	9/3/04	9/3/04	8/25/04
				1	1	1	1
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	2.0 J	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	0.5	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	0.52	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

Analyte	Wisconsin		Sample ID Date Duplicate #	72330H-INFLOW	72330H-EFFLUENT	72370H-INFLOW	72370H-EFFLUENT
	Enforcement Standard	units		8/24/04	8/24/04	8/24/04	8/24/04
				1	1	1	1
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

< and ND = Non detect at stated reporting limit
J= Estimated concentrations
Highlighted = exceeded WES
Bold = compound detected

Table 1
Summary of Nitroaromatic/Nitramine Organic Results
August 2004

Analyte	Wisconsin Enforcement Standard		Sample ID Date Duplicate #	72420H-INFLOW	72420H-EFFLUENT	72450H-INFLOW	72450H-EFFLUENT
	Standard	units		8/25/04	8/25/04	8/24/04	8/24/04
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

Analyte	Wisconsin Enforcement Standard		Sample ID Date Duplicate #	72470H-INFLOW	72470H-EFFLUENT	72480H-INFLOW	72480H-EFFLUENT
	Standard	units		8/24/04	8/24/04	8/23/04	8/23/04
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	0.4	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	0.27	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	0.54	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	1.2	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

< and ND = Non detect at stated reporting limit

J= Estimated concentrations

Highlighted = exceeded WES

Bold = compound detected

Table 1
Summary of Nitroaromatic/Nitramine Organic Results
August 2004

Analyte	Wisconsin Enforcement Standard		Sample ID Date Duplicate #	72520H-INFLOW	72520H-EFFLUENT	72700H-INFLOW	72700H-EFFLUENT
	Standard	units		8/23/04	8/23/04	8/23/04	8/23/04
				1	1	1	1
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		0.10 J	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		0.27	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		0.077 J	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

Analyte	Wisconsin Enforcement Standard		Sample ID Date Duplicate #	72790H-INFLOW	72790H-EFFLUENT	72860H-INFLOW	72860H-INFLOW
	Standard	units		8/23/04	8/23/04	8/23/04	8/23/04
				1	1	1	2
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	0.043 J	0.038 J
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

< and ND = Non detect at stated reporting limit
J= Estimated concentrations
Highlighted = exceeded WES
Bold = compound detected

Table 1
Summary of Nitroaromatic/Nitramine Organic Results
August 2004

Analyte	Wisconsin Enforcement Standard		Sample ID Date Duplicate #	72910H-INFLOW	72910H-EFFLUENT	72730H-INFLOW	72920H-EFFLUENT
	Standard	units		8/23/04	8/23/04	8/23/04	8/23/04
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

Analyte	Wisconsin Enforcement Standard		Sample ID Date Duplicate #	72920H-INFLOW	73025BG-INFLOW	73025BG-EFFLUENT	730550-INFLOW
	Standard	units		8/23/04	8/25/04	8/25/04	8/25/04
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

< and ND = Non detect at stated reporting limit

J= Estimated concentrations

Highlighted = exceeded WES

Bold = compound detected

Table 1
Summary of Nitroaromatic/Nitramine Organic Results
August 2004

Analyte	Wisconsin Enforcement Standard		Sample ID Date Duplicate #	73030BG-INFLOW	73030BG-EFFLUENT	73040BG-INFLOW	73040BG-EFFLUENT
	Standard	units		8/24/04	8/24/04	8/24/04	8/24/04
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

Analyte	Wisconsin Enforcement Standard		Sample ID Date Duplicate #	73080BG-INFLOW	73080BG-EFFLUENT	73095BG-INFLOW	73095BG-INFLOW
	Standard	units		8/24/04	8/24/04	8/24/04	8/24/04
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

< and ND = Non detect at stated reporting limit
J= Estimated concentrations
Highlighted = exceeded WES
Bold = compound detected

Table 1
Summary of Nitroaromatic/Nitramine Organic Results
August 2004

Analyte	Wisconsin Enforcement Standard		Sample ID Date Duplicate #	73095BG-EFFLUENT	73100BG-INFLOW	73100BG-EFFLUENT	73150BJ-INFLOW
	Standard	units		8/24/04	8/24/04	8/24/04	8/25/04
				1	1	1	1
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

Analyte	Wisconsin Enforcement Standard		Sample ID Date Duplicate #	73110BG-INFLOW	73110BG-EFFLUENT	73110H-INFLOW	73110H-EFFLUENT
	Standard	units		8/24/04	8/24/04	8/23/04	8/23/04
				1	1	1	1
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		0.75	<0.037	0.073 J	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

< and ND = Non detect at stated reporting limit
J= Estimated concentrations
Highlighted = exceeded WES
Bold = compound detected

Table 1
Summary of Nitroaromatic/Nitramine Organic Results
August 2004

Analyte	Wisconsin		Sample ID Date Duplicate #	73115BG-INFLOW	73115BG-EFFLUENT	73120BG-INFLOW	73120BG-EFFLUENT
	Enforcement Standard	units		8/24/04	8/24/04	8/24/04	8/24/04
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		0.4	<0.037	0.35	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

Analyte	Wisconsin		Sample ID Date Duplicate #	73160H-INFLOW	73160H-EFFLUENT	73250H-INFLOW	73250H-EFFLUENT
	Enforcement Standard	units		8/23/04	8/23/04	8/23/04	8/23/04
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

< and ND = Non detect at stated reporting limit

J= Estimated concentrations

Highlighted = exceeded WES

Bold = compound detected

Table 1
Summary of Nitroaromatic/Nitramine Organic Results
August 2004

Analyte	Wisconsin		Sample ID Date Duplicate #	73280H-INFLOW	73300BC-INFLOW	73500H-INFLOW	73500H-EFFLUENT	PZ-16-POT-EFFLUENT
	Enforcement Standard	units		8/23/04	8/24/04	8/25/04	8/25/04	8/25/04
				1	1	1	1	1
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017	<0.017

Analyte	Wisconsin		Sample ID Date Duplicate #	73605H-INFLOW	CLUBHOUSE-INFLOW	CLUBHOUSE-EFFLUENT	PZ-16-POT-INFLOW
	Enforcement Standard	units		8/23/04	8/25/04	8/25/04	8/25/04
				1	1	1	1
1,3,5-TRINITROBENZENE	---	ug/l		<0.018	<0.018	<0.018	<0.018
1,3-DINITROBENZENE	---	ug/l		<0.019	<0.019	<0.019	<0.019
3-NITROTOLUENE	---	ug/l		<0.064	<0.064	<0.064	<0.064
4-NITROTOLUENE	---	ug/l		<0.061	<0.061	<0.061	<0.061
2,4,6-TRINITROTOLUENE	---	ug/l		<0.026	<0.026	<0.026	<0.026
2,4-DINITROTOLUENE	0.05	ug/l		<0.038	<0.038	<0.038	<0.038
2,6-DINITROTOLUENE	0.05	ug/l		<0.037	<0.037	<0.037	<0.037
2-AMINO-4,6-DINITROTOLUENE	---	ug/l		<0.017	<0.017	<0.017	<0.017
2-NITROTOLUENE	---	ug/l		<0.057	<0.057	<0.057	<0.057
4-AMINO-2,6-DINITROTOLUENE	---	ug/l		<0.022	<0.022	<0.022	<0.022
NITROBENZENE	---	ug/l		<0.036	<0.036	<0.036	<0.036
NITROGLYCERIN	---	ug/l		<0.042	<0.042	<0.042	<0.042
HMX	---	ug/l		<0.017	<0.017	<0.017	<0.017
PETN	---	ug/l		<0.038	<0.038	<0.038	<0.038
RDX	---	ug/l		<0.013	<0.013	<0.013	<0.013
TETRYL	---	ug/l		<0.017	<0.017	<0.017	<0.017

< and ND = Non detect at stated reporting limit
J= Estimated concentrations
Highlighted = exceeded WES
Bold = compound detected

Table 2
Summary of Wisconsin Regulated VOC Results
August 2004

Analyte	Wisconsin		Sample ID Date Duplicate #	29600N-INFLOW	30810N-INFLOW	30810N-INFLOW	30900N-INFLOW	31120BG-INFLOW	72040H-INFLOW
	Enforcement	units		8/23/04	8/23/04	8/23/04	8/23/04	8/24/04	9/3/04
	Standard		1	1	2	1	1	1	
1,1,1,2-TETRACHLOROETHANE	70	ug/l		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,1,1-TRICHLOROETHANE	200	ug/l		<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
1,1,2,2-TETRACHLOROETHANE	0.2	ug/l		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,1,2-TRICHLOROETHANE	5	ug/l		<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
1,1-DICHLOROETHANE	850	ug/l		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
1,1-DICHLOROETHENE	---	ug/l		<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
1,2,3-TRICHLOROPROPANE	60	ug/l		<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,2,4-TRIMETHYLBENZENE	---	ug/l		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
1,2-DIBROMO-3-CHLOROPROPANE	0.2	ug/l		<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
1,2-DICHLOROETHANE	5	ug/l		<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,2-DICHLOROETHENE	---	ug/l		<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,2-DICHLOROPROPANE	5	ug/l		<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,3,5-TRIMETHYLBENZENE	---	ug/l		<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
1,3-DICHLOROPROPANE	---	ug/l		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
ACETONE	100	ug/l		<2.5 R	2.6 J	3.7 J	<2.5 R	<2.5 R	<2.5 R
BENZENE	5	ug/l		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
BROMODICHLOROMETHANE	0.6	ug/l		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
BROMOFORM	4.4	ug/l		<0.23 UJ	<0.23	<0.23	<0.23	<0.23	<0.23
CARBON DISULFIDE	1000	ug/l		<0.24	1.2	0.48 J	7.2	<0.24 UJ	<0.24
CARBON TETRACHLORIDE	5	ug/l		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
CHLOROBENZENE	---	ug/l		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
CHLORODIBROMOMETHANE	---	ug/l		<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
CHLOROFORM	6	ug/l		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
DICHLORODIFLUOROMETHANE	1000	ug/l		<0.22	<0.22	<0.22	<0.22	<0.22 UJ	<0.22
ETHYL CHLORIDE	---	ug/l		<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
ETHYLENE DIBROMIDE	---	ug/l		<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
ETHYLBENZENE	700	ug/l		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
METHYL BROMIDE	---	ug/l		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
METHYL CHLORIDE	5	ug/l		<0.91	<0.91	<0.91	<0.91	<0.91	<0.91
METHYL ETHYL KETONE	460	ug/l		<2.0 R	<2.0 R	<2.0 R	<2.0 R	<2.0	<2.0 R
METHYL ISOBUTYL KETONE	500	ug/l		<0.98	<0.98	<0.98	<0.98	<0.98 R	<0.98
METHYL TERTIARY BUTYL ETHER	60	ug/l		<0.38 UJ	<0.38	<0.38	<0.38	<0.38 UJ	<0.38
METHYLENE CHLORIDE	---	ug/l		<0.21	0.48 U	0.48 U	0.45 U	0.60 U	0.48 U
STYRENE	100	ug/l		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
TETRACHLOROETHYLENE	5	ug/l		<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
TOLUENE	1000	ug/l		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
TRICHLOROETHENE	---	ug/l		<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
TRICHLOROFLUOROMETHANE	---	ug/l		<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
VINYL CHLORIDE	0.2	ug/l		<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
XYLENES	1000	ug/l		<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,2,4-TRICHLOROENZENE	70	ug/l		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,2-DICHLOROENZENE	600	ug/l		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
1,3-DICHLOROENZENE	1250	ug/l		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,4-DICHLOROENZENE	75	ug/l		<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
NAPHTHALENE	40	ug/l		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
HEXANE	600	ug/l		<0.26	<0.26	<0.26	<0.26	<0.26	<0.26

<, UJ, and ND = Non detect at stated reporting limits

U = qualified due to method blank contamination

R = data rejected due to QC exceedences

J = Estimated Concentration

Table 2
Summary of Wisconsin Regulated VOC Results
August 2004

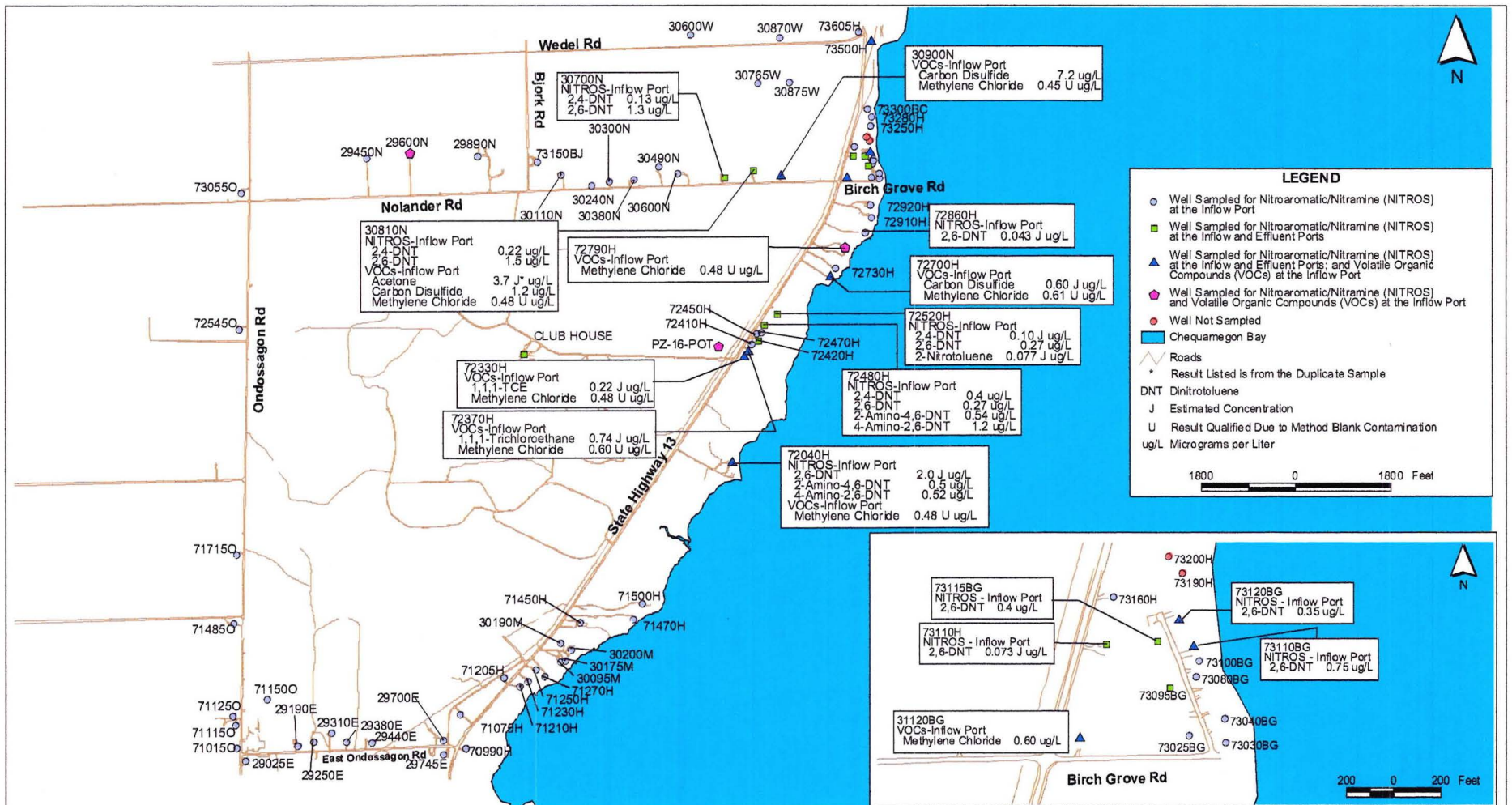
Analyte	Wisconsin		Sample ID Date	72330H-INFLOW	72370H-INFLOW	72700H-INFLOW	72790H-INFLOW	73110BG-INFLOW	73120BG-INFLOW
	Enforcement	units		8/24/04	8/24/04	8/23/04	8/23/04	8/24/04	8/24/04
	Standard	Duplicate #	1	1	1	1	1	1	
1,1,1,2-TETRACHLOROETHANE	70	ug/l		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,1,1-TRICHLOROETHANE	200	ug/l		0.22 J	0.74 J	<0.16	<0.16	<0.16	<0.16
1,1,2,2-TETRACHLOROETHANE	0.2	ug/l		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,1,2-TRICHLOROETHANE	5	ug/l		<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
1,1-DICHLOROETHANE	850	ug/l		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
1,1-DICHLOROETHENE	---	ug/l		<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
1,2,3-TRICHLOROPROPANE	60	ug/l		<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,2,4-TRIMETHYLBENZENE	---	ug/l		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
1,2-DIBROMO-3-CHLOROPROPANE	0.2	ug/l		<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
1,2-DICHLOROETHANE	5	ug/l		<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,2-DICHLOROETHENE	---	ug/l		<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,2-DICHLOROPROPANE	5	ug/l		<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,3,5-TRIMETHYLBENZENE	---	ug/l		<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
1,3-DICHLOROPROPANE	---	ug/l		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
ACETONE	100	ug/l		<2.5 R	<2.5 R	<2.5 R	<2.5 R	<2.5 R	<2.5 R
BENZENE	5	ug/l		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
BROMODICHLOROMETHANE	0.6	ug/l		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
BROMOFORM	4.4	ug/l		<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
CARBON DISULFIDE	1000	ug/l		<0.24	<0.24	0.60 J	<0.24	<0.24	<0.24
CARBON TETRACHLORIDE	5	ug/l		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
CHLOROBENZENE	---	ug/l		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
CHLORODIBROMOMETHANE	---	ug/l		<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
CHLOROFORM	6	ug/l		<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
DICHLORODIFLUOROMETHANE	1000	ug/l		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
ETHYL CHLORIDE	---	ug/l		<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
ETHYLENE DIBROMIDE	---	ug/l		<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
ETHYLBENZENE	700	ug/l		<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
METHYL BROMIDE	---	ug/l		<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
METHYL CHLORIDE	5	ug/l		<0.91	<0.91	<0.91	<0.91	<0.91	<0.91
METHYL ETHYL KETONE	460	ug/l		<2.0 R	<2.0 R	<2.0 R	<2.0 R	<2.0 R	<2.0
METHYL ISOBUTYL KETONE	500	ug/l		<0.98	<0.98	<0.98	<0.98	<0.98	<0.98 R
METHYL TERTIARY BUTYL ETHER	60	ug/l		<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
METHYLENE CHLORIDE	---	ug/l		0.49 U	0.60 U	0.61 U	0.48 U	<0.21	<0.21
STYRENE	100	ug/l		<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
TETRACHLOROETHYLENE	5	ug/l		<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
TOLUENE	1000	ug/l		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
TRICHLOROETHENE	---	ug/l		<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
TRICHLOROFUOROMETHANE	---	ug/l		<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
VINYL CHLORIDE	0.2	ug/l		<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
XYLENES	1000	ug/l		<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,2,4-TRICHLOROENZENE	70	ug/l		<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,2-DICHLOROENZENE	600	ug/l		<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
1,3-DICHLOROENZENE	1250	ug/l		<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
1,4-DICHLOROENZENE	75	ug/l		<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
1-NAPHTHALENE	40	ug/l		<0.50	<0.50	<0.50	<0.50	<0.50 UJ	<0.50 UJ
HEXANE	600	ug/l		<0.26	<0.26	<0.26	<0.26	<0.26	<0.26

<, UJ, and ND = Non detect at stated reporting limits
U = qualified due to method blank contamination
R = data rejected due to QC exceedences
J = Estimated Concentration

Table 2
Summary of Wisconsin Regulated VOC Results
August 2004

Analyte	Wisconsin Enforcement		Sample ID Date Duplicate #	PZ-16-POT-INFLOW	STBLK	TBLK1	TBLK2	TBLK3
	Standard	units		8/25/04	8/25/04	8/23/04	8/24/04	9/3/04
				1	1	1	1	1
1,1,1,2-TETRACHLOROETHANE	70	ug/l		<0.21	<0.21	<0.21	<0.21	<0.21
1,1,1-TRICHLOROETHANE	200	ug/l		<0.16	<0.16	<0.16	<0.16	<0.16
1,1,2,2-TETRACHLOROETHANE	0.2	ug/l		<0.21	<0.21	<0.21	<0.21	<0.21
1,1,2-TRICHLOROETHANE	5	ug/l		<0.27	<0.27	<0.27	<0.27	<0.27
1,1-DICHLOROETHANE	850	ug/l		<0.22	<0.22	<0.22	<0.22	<0.22
1,1-DICHLOROETHENE	---	ug/l		<0.23	<0.23	<0.23	<0.23	<0.23
1,2,3-TRICHLOROPROPANE	60	ug/l		<0.33	<0.33	<0.33	<0.33	<0.33
1,2,4-TRIMETHYLBENZENE	---	ug/l		<0.15	<0.15	<0.15	<0.15	<0.15
1,2-DIBROMO-3-CHLOROPROPANE	0.2	ug/l		<0.47	<0.47	<0.47	<0.47	<0.47
1,2-DICHLOROETHANE	5	ug/l		<0.26	---	<0.26	<0.26	<0.26
1,2-DICHLOROETHENE	---	ug/l		<0.24	<0.24	<0.24	<0.24	<0.24
1,2-DICHLOROPROPANE	5	ug/l		<0.18	<0.18	<0.18	<0.18	<0.18
1,3,5-TRIMETHYLBENZENE	---	ug/l		<0.16	<0.16	<0.16	<0.16	<0.16
1,3-DICHLOROPROPANE	---	ug/l		<0.22	<0.22	<0.22	<0.22	<0.22
ACETONE	100	ug/l		<2.5 R	<2.5 R	<2.5 R	<2.5 R	2.6 J
BENZENE	5	ug/l		<0.17	<0.17	<0.17	<0.17	<0.17
BROMODICHLOROMETHANE	0.6	ug/l		<0.20	<0.20	<0.20	<0.20	<0.20
BROMOFORM	4.4	ug/l		<0.23	<0.23	<0.23	<0.23	<0.23
CARBON DISULFIDE	1000	ug/l		0.27 J	<0.24 UJ	<0.24	<0.24 UJ	<0.24
CARBON TETRACHLORIDE	5	ug/l		<0.20	<0.20	<0.20	<0.20	<0.20
CHLOROENZENE	---	ug/l		<0.13	<0.13	<0.13	<0.13	<0.13
CHLORODIBROMOMETHANE	---	ug/l		<0.19	<0.19	<0.19	<0.19	<0.19
CHLOROFORM	6	ug/l		<0.17	<0.17	<0.17	<0.17	<0.17
DICHLORODIFLUOROMETHANE	1000	ug/l		<0.22 UJ	<0.22 UJ	<0.22	<0.22 UJ	<0.22
ETHYL CHLORIDE	---	ug/l		<0.18	<0.18	<0.18	<0.18	<0.18
ETHYLENE DIBROMIDE	---	ug/l		<0.18	<0.18	<0.18	<0.18	<0.18
ETHYLBENZENE	700	ug/l		<0.12	<0.12	<0.12	<0.12	<0.12
METHYL BROMIDE	---	ug/l		<0.22	<0.22	<0.22	<0.22	<0.22
METHYL CHLORIDE	5	ug/l		<0.91	<0.91	<0.91	<0.91	<0.91
METHYL ETHYL KETONE	460	ug/l		<2.0 R	<2.0 R	<2.0 R	<2.0 R	<2.0 R
METHYL ISOBUTYL KETONE	500	ug/l		<0.98	<0.98	<0.98	<0.98	<0.98
METHYL TERTIARY BUTYL ETHER	60	ug/l		<0.38 UJ	<0.38 UJ	<0.38	<0.38 UJ	<0.38
METHYLENE CHLORIDE	---	ug/l		0.56 U	0.71 J	0.76 J	0.73 J	0.75 J
STYRENE	100	ug/l		<0.14	<0.14	<0.14	<0.14	<0.14
TETRACHLOROETHYLENE	5	ug/l		<0.26	<0.26	<0.26	<0.26	<0.26
TOLUENE	1000	ug/l		0.16 J	<0.15	<0.15	<0.15	0.22 J
TRICHLOROETHENE	---	ug/l		<0.16	<0.16	<0.16	<0.16	<0.16
TRICHLOROFLUOROMETHANE	---	ug/l		<0.24	<0.24	<0.24	<0.24	<0.24
VINYL CHLORIDE	0.2	ug/l		<0.19	<0.19	<0.19	<0.19	<0.19
XYLENES	1000	ug/l		<0.41	<0.41	<0.41	<0.41	<0.41
1,2,4-TRICHLOROENZENE	70	ug/l		<0.21	<0.21	<0.21	<0.21	<0.21
1,2-DICHLOROENZENE	600	ug/l		<0.15	<0.15	<0.15	<0.15	<0.15
1,3-DICHLOROENZENE	1250	ug/l		<0.13	<0.13	<0.13	<0.13	<0.13
1,4-DICHLOROENZENE	75	ug/l		<0.16	<0.16	<0.16	<0.16	<0.16
NAPHTHALENE	40	ug/l		<0.50	<0.50	<0.50	<0.50	<0.50
HEXANE	600	ug/l		<0.26	<0.26	<0.26	<0.26	<0.26

<, UJ, and ND = Non detect at stated reporting limits
U = qualified due to method blank contamination
R = data rejected due to QC exceedences
J = Estimated Concentration



TITLE:
**August 2004
 Nitroaromatic/Nitramine and Volatile Organic Compound Sample Results
 Form DuPont Barksdale Works Site
 Barksdale, Wisconsin**

CREATED: KJB	APPROVED: CEP	DUPONT PROJECT NO: 7355
CHECKED: TTR	DATE: 12/21/2004	URSD PROJECT NO: 18983434
FILE NAME: 2004_08_results.apr	REVISION: 0	FIGURE NO: 1

APPENDIX A
Enclosed on CD

Hartig, Christine E - DNR

From: Richard, Philip E - DNR
Sent: Monday, October 31, 2022 7:41 AM
To: Hartig, Christine E - DNR
Subject: RE: WDNR Electronic Records Request

Follow Up Flag: Follow up
Flag Status: Flagged

No I did not.

Philip E. Richard

Hydrogeologist
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
phone: 715 661 0125
fax: 715 762 4348
e-mail: philip.richard@wisconsin.gov

We are committed to service excellence. Click [here](#) to evaluate how I did.

From: Hartig, Christine E - DNR <christine.hartig@wisconsin.gov>
Sent: Monday, October 31, 2022 7:35 AM
To: Richard, Philip E - DNR <Philip.Richard@wisconsin.gov>
Subject: FW: WDNR Electronic Records Request

Good Morning Phil,

Did you ever hear anything more on this report?

Thanks,

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Chris Hartig
She
Phone: (715) 499-1642
Christine.Hartig@Wisconsin.gov

From: Nave, Bradley S <Bradley.S.Nave@chemours.com>
Sent: Monday, June 13, 2022 10:58 AM
To: Richard, Philip E - DNR <Philip.Richard@wisconsin.gov>
Cc: Cary Pooler - URS Corporation (cary.pooler@aecom.com) <cary.pooler@aecom.com>; Schmidt, Eric <Eric.Schmidt@aecom.com>; Hartig, Christine E - DNR <christine.hartig@wisconsin.gov>
Subject: RE: WDNR Electronic Records Request

**CAUTION: This email originated from outside the organization.
Do not click links or open attachments unless you recognize the sender and know the content is safe.**

Greetings Phil,

Thanks for your note. Will do.

Brad

Bradley S. Nave
Principal Project Manager
Chemours Corporate Remediation Group
e-mail: Bradley.S.Nave@Chemours.com
cell phone: 812-406-7117

From: Richard, Philip E - DNR <Philip.Richard@wisconsin.gov>
Sent: Monday, June 13, 2022 11:27 AM
To: Nave, Bradley S <Bradley.S.Nave@chemours.com>
Cc: Cary Pooler - URS Corporation (cary.pooler@aecom.com) <cary.pooler@aecom.com>; Schmidt, Eric <Eric.Schmidt@aecom.com>; Hartig, Christine E - DNR <christine.hartig@wisconsin.gov>
Subject: [EXT] RE: WDNR Electronic Records Request

External email. Confirm links and attachments before opening.

Hi Brad,

We also seem to missing the following:

Report date – December 30, 2004
Report name – Triannual Off-site Ground Water Sampling Results (August 2004 Event)
Missing item – Appendix A Barksdale Works – August 2004 Residential Well Sampling

Let me know if you are able to locate.

Thanks,

Phil

Philip E. Richard

Hydrogeologist
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
phone: 715 661 0125
fax: 715 762 4348
e-mail: philip.richard@wisconsin.gov

We are committed to service excellence. Click [here](#) to evaluate how I did.

From: Nave, Bradley S <Bradley.S.Nave@chemours.com>
Sent: Wednesday, June 01, 2022 1:17 PM
To: Saari, Christopher A - DNR <Christopher.Saari@wisconsin.gov>; Richard, Philip E - DNR <Philip.Richard@wisconsin.gov>
Cc: Cary Pooler - URS Corporation (cary.pooler@aecom.com) <cary.pooler@aecom.com>; Schmidt, Eric <Eric.Schmidt@aecom.com>
Subject: WDNR Electronic Records Request

**CAUTION: This email originated from outside the organization.
Do not click links or open attachments unless you recognize the sender and know the content is safe.**

Greetings Chris (and Phil),

Regarding your file request on May 26 (attached), we have completed an initial search of our records and have found an electronic copy of the April 2004 Barksdale Works Resident Well Sampling Report and supporting data. We will continue to search our files for an electronic copy of the 1999 Groundwater Monitoring report and let you know what we find.

Thanks,

Brad

Bradley S. Nave
Principal Project Manager
Chemours Corporate Remediation Group
e-mail: Bradley.S.Nave@Chemours.com
phone: 812-923-1136

From: Saari, Christopher A - DNR <Christopher.Saari@wisconsin.gov>
Sent: Thursday, May 26, 2022 6:05 PM
To: Nave, Bradley S <bradley.s.nave@chemours.com>; Pooler, Cary <cary.pooler@aecom.com>
Cc: Richard, Philip E - DNR <Philip.Richard@wisconsin.gov>
Subject: [EXTERNAL] Electronic Records Needed

Hi Brad and Cary:

It was good talking with you yesterday. Per that conversation, I was unable to open the following documents on the CDs that I have in my office:

- *Barksdale 1999 Groundwater Monitoring June 2000*
- *Barksdale Works Resident Well Sampling 4/04, Report & Appendix A*

If you are able to share either or both of these documents with us in electronic form, it would save us a great deal of paper scanning.

Thanks, and have a great weekend!

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Chris Saari

Northern Region Team Supervisor – Remediation and Redevelopment Program

Wisconsin Department of Natural Resources

2501 Golf Course Rd.

Ashland, WI 54806

Phone: (715) 208-4004

Please note that my contact number has changed. You should use this phone number to reach me going forward.

Fax: (715) 685-2909

Christopher.Saari@Wisconsin.gov



<="" style="">

This communication is for use by the intended recipient and contains information that may be privileged, confidential or copyrighted under applicable law. If you are not the intended recipient, you are hereby formally notified that any use, copying or distribution of this e-mail, in whole or in part, is strictly prohibited. Please notify the sender by return e-mail and delete this e-mail from your system. Unless explicitly and conspicuously designated as "E-Contract Intended", this e-mail does not constitute a contract offer, a contract amendment, or an acceptance of a contract offer. This e-mail does not constitute a consent to the use of sender's contact information for direct marketing purposes or for transfers of data to third parties.

<https://www.chemours.com/en/email-disclaimer>

<="" style="">

This communication is for use by the intended recipient and contains information that may be privileged, confidential or copyrighted under applicable law. If you are not the intended recipient, you are hereby formally notified that any use, copying or distribution of this e-mail, in whole or in part, is strictly prohibited. Please notify the sender by return e-mail and delete this e-mail from your system. Unless explicitly and conspicuously designated as "E-Contract Intended", this e-mail does not constitute a contract offer, a contract amendment, or an acceptance of a contract offer. This e-mail does not constitute a consent to the use of sender's contact information for direct marketing purposes or for transfers of data to third parties.

<https://www.chemours.com/en/email-disclaimer>