



The Chemours Company  
500 West Jefferson Street  
Suite 1600  
Louisville, KY 40202

502-569-2301 t  
chemours.com

December 6, 2023

Mr. Paul Bretting  
Bretting Development Corporation  
3401 Lake Park Road  
Ashland, WI 54806

**RE: Clubhouse Groundwater Sample Results and Carbon Cylinder Replacement  
72315 State Highway 13  
Town of Barksdale, Wisconsin**

Dear Mr. Bretting:

On September 19, 2023, a Chemours representative collected groundwater samples from the inflow port (i.e., preceding the granular activated carbon [GAC] cylinders) connected to the well (see Figure 1) at the clubhouse. The samples were submitted to Eurofins Laboratories for nitroaromatic and nitramine organic constituents (NNOCs) analysis. As has been the case historically (since 2000), NNOCs were not detected above laboratory detection limits (see Table 1).

The GAC cylinders and the two sediment filters located before and after the GAC cylinders inside the clubhouse were replaced on October 26, 2023 by North American Aqua. A visual inspection of the system was conducted after the sediment filters were replaced and no issues were identified. If you happen to notice any issues with the system (i.e., leaks, broken fittings, etc.), please let me know.

I anticipate the next round of groundwater sampling (for NNOCs only) and GAC cylinder replacement will be conducted sometime in the third or fourth quarter of 2024. If you have any questions or comments, please feel free to contact me by telephone at (812) 406-7117 or by email at [Bradley.S.Nave@chemours.com](mailto:Bradley.S.Nave@chemours.com).

Sincerely,

A handwritten signature in black ink that reads 'Bradley S. Nave' in a cursive script.

Bradley S. Nave  
Chemours Corporate Remediation Group

Attachments: Attachment 1: Table 1 - Historical Clubhouse Inflow Groundwater Sample Results  
Attachment 2: Figure 1 - Clubhouse Water System Flow Diagram  
Attachment 3: Eurofins Laboratory Analytical Report

Cc: Phil Richard, WDNR  
Erin Endsley, WDNR  
Cary Pooler, AECOM  
Eric Schmidt, AECOM

# **Attachment 1**

## **Table 1 – Historical Clubhouse Inflow Groundwater Sample Results**

**Table 1**  
**Historical Clubhouse Inflow Ground Water Sample Results**  
Former DuPont Barksdale Works  
Barksdale, Wisconsin

Location ID	Date Sampled	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-
		INFLOW	INFLOW	INFLOW	INFLOW	INFLOW	INFLOW	INFLOW	INFLOW	INFLOW	INFLOW	INFLOW	INFLOW	INFLOW
Parameter Name	Report Units	12/02/1998	12/04/1998	04/14/1999	07/12/1999	10/12/1999	12/14/1999	04/20/2000	07/11/2000	10/17/2000	12/12/2000	04/23/2001	10/16/2001	10/16/2001
<b>NNOCs Target Analytes (µg/L)</b>														
1,3,5-Trinitrobenzene	UG/L	<0.026	--	<0.019	<0.019	<0.019	<0.019	<0.030	<0.038	<0.033	<0.033	<0.017	<0.017	<0.017
1,3-Dinitrobenzene	UG/L	<0.011	--	<0.012	<0.012	<0.012	<0.012	<0.010	<0.069	<0.035	<0.035	<0.020	<0.020	<0.020
1-Methyl-3-Nitrobenzene (3-Nitrotoluene)	UG/L	<0.030	--	<0.18	<0.18	<0.18	<0.18	<0.080	<0.061	<0.017	<0.017	<0.019	<0.019	<0.019
1-Methyl-4-Nitrobenzene (4-Nitrotoluene)	UG/L	--	--	--	--	--	--	<0.50	--	--	--	<0.019	<0.019	<0.019
2-Amino-4,6-Dinitrotoluene	UG/L	<0.024	--	<0.034	<0.034	<0.034	<0.034	<0.020	<0.082	<0.039	<0.039	<0.013	<0.013	<0.013
2-Nitrotoluene	UG/L	--	--	--	--	--	--	<0.080	--	--	--	<0.019	<0.019	<0.019
2- And 4-Nitrotoluene	UG/L	<0.024	--	<0.16	<0.16	<0.16	<0.16	--	<0.063	<b>0.18 J<sup>1</sup></b>	<0.090	--	--	--
2,4,6-Trinitrotoluene	UG/L	<0.018	--	<0.059	<0.059	<0.059	<0.059	<0.030	<0.058	<0.032	<0.032	<0.049	<0.049	<0.049
2,4,6-Trinitroxyene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Amino-2,6-Dinitrotoluene	UG/L	<0.021	--	<0.011	<0.011	<0.011	<0.011	<0.040	<0.046	<0.037 UJ	<0.037	<0.017	<0.017	<0.017
Nitrobenzene	UG/L	<0.029	--	<0.15	<0.15	<0.15	<0.15	<0.020	<0.049	<0.033	<0.033	<0.025	<0.025	<0.025
Nitroglycerin	UG/L	<0.088	--	<0.088	<0.088	<0.088	<0.088	--	<0.088	<b>0.044 J<sup>1</sup></b>	<0.039	<0.049	<0.049	<0.049
HMX	UG/L	<0.047	--	<0.036	<0.036	<0.036	<0.036	<0.040	<0.036	<0.040 UJ	<0.040	<0.022	<0.022	<0.022
PETN	UG/L	<0.069	--	<0.069	<0.069	<0.069	<0.069	<0.20	<0.069	<0.033	<0.033	<0.020	<0.020	<0.020
RDX	UG/L	<0.043	--	<0.015	<0.015	<0.015	<0.015	<0.060	<0.075	<0.027 UJ	<0.027	<0.028	<0.028	<0.028
Tetryl	UG/L	<0.030	--	<0.043	<0.043	<0.043	<0.043	<0.020	<0.065	<0.037	<0.037	<0.019	<0.019	<0.019
<b>NNOCs DNT Isomers (µg/L)</b>														
2,3-Dinitrotoluene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	UG/L	<0.025	--	<0.017	<0.017	<0.017	<0.017	<0.030	<0.115	<b>0.13 J<sup>1</sup></b>	<0.040	<0.016	<0.016	<0.016
2,5-Dinitrotoluene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	UG/L	<0.020	--	<0.010	<0.010	<0.010	<0.010	<0.040	<0.054	<b>0.045 J<sup>1</sup></b>	<0.039	<0.012	<0.012	<0.012
3,4-Dinitrotoluene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--	--
3,5-Dinitrotoluene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>NNOCs DNX Isomers (µg/L)</b>														
1,2-Dimethyl-3,4-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dimethyl-3,5-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dimethyl-3,6-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dimethyl-4,5-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dimethyl-2,4-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dimethyl-2,5-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dimethyl-2,3-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dimethyl-2,5-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dimethyl-2,6-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--	--
1,5-Dimethyl-2,3-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--	--
1,5-Dimethyl-2,4-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>SVOCs (µg/L)</b>														
Naphthalene	UG/L	--	--	--	--	--	--	--	--	<0.15	--	--	--	--
<b>Anions (µg/L)</b>														
Perchlorate	UG/L	--	--	--	--	--	--	--	--	--	--	--	--	--

**Notes:**

NNOC = Nitroaromatic and Nitramine Organic Compounds

DNT = Dinitrotoluene

DNX = Dinitroxyene

SVOC = Semi Volatile Organic Compound

INFLOW-D = Duplicate Sample

< = not detected above the laboratory reporting limit

-- = data not available

**Bolded** text indicates a laboratory reported detection

J = analyte present; however, reported value may not be accurate or precise

J<sup>1</sup> = analyte was detected between the method detection limit and the laboratory reporting limit. Detected results on 10/17/00 are suspected to be due to inadvertent laboratory contamination.

J<sup>H</sup> = In addition to the "J qualifier", the result was also qualified with an "H" due to an issue with the holding time being exceeded when re-extraction was performed by the laboratory. Due to suspected laboratory error, a confirmation sample was collected in June 2017. The compound was not detected in the confirmation sample.

U: Analyte was analyzed, but not detected

UJ: Not detected. Reporting limit may not be accurate or precise

UG/L = micrograms per liter or parts per billion

\* DNX isomer inadvertently omitted by the analytical laboratory

Approximate WTM coordinates of clubhouse well from WDNR RR Sites

Map: X 447393, Y 683611

Note: Detections not observed in effluent samples

**Table 1**  
**Historical Clubhouse Inflow Ground Water Sample Results**  
Former DuPont Barksdale Works  
Barksdale, Wisconsin

Location ID	Date Sampled	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-
		INFLOW	INFLOW	INFLOW	INFLOW	INFLOW	INFLOW	INFLOW	INFLOW	INFLOW	INFLOW	INFLOW	INFLOW	INFLOW
Parameter Name	Report Units	05/15/2002	05/15/2002	12/10/2002	09/09/2003	08/25/2004	11/15/2005	08/01/2007	07/27/2011	12/04/2013	09/16/2014	09/03/2015	10/09/2015	8/4/2016*
Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
<b>NNOCs Target Analytes (µg/L)</b>														
1,3,5-Trinitrobenzene	UG/L	<0.025	<0.025	<0.025	<0.015	<0.018	--	<0.010	<0.016	<0.016	<0.016	<0.017	<0.017	<0.017
1,3-Dinitrobenzene	UG/L	<0.023	<0.023	<0.023	<0.014	<0.019	--	<0.011	<0.014	<0.013	<0.014	<0.014	<0.014	<0.014
1-Methyl-3-Nitrobenzene (3-Nitrotoluene)	UG/L	<0.027	<0.027	<0.027	<0.019	<0.064	--	<0.025	<0.024	<0.024	<0.024	<0.025	<0.025	<0.025
1-Methyl-4-Nitrobenzene (4-Nitrotoluene)	UG/L	<0.025	<0.025	<0.025	<0.018	<0.061	--	<0.026	<0.025	<0.025	<0.025	<0.026	<0.026	<0.026
2-Amino-4,6-Dinitrotoluene	UG/L	<0.036	<0.036	<0.036	<0.012	<0.017	--	<0.021	<0.020	<0.020	<0.020	<0.021	<0.021	<0.021
2-Nitrotoluene	UG/L	<0.026	<0.026	<0.026	<0.023	<0.057	--	<0.022	<0.021	<0.021	<0.021	<0.022	<0.022	<0.022
2- And 4-Nitrotoluene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trinitrotoluene	UG/L	<0.021	<0.021	<0.021	<0.015	<0.026	--	<0.022	<0.021	<0.021	<0.021	<0.022	<0.022	<0.022
2,4,6-Trinitroxyene	UG/L	--	--	--	--	--	--	--	--	<0.011	<0.012	--	<0.012	<0.012
4-Amino-2,6-Dinitrotoluene	UG/L	<0.020	<0.020	<0.020	<0.015	<0.022	--	<0.019	<0.018	<0.018	<0.018	<0.019	<0.019	<0.019
Nitrobenzene	UG/L	<0.025	<0.025	<0.025	<0.020	<0.036	--	<0.033	<0.032	<0.031	<0.032	<0.033	<0.033	<0.033
Nitroglycerin	UG/L	<0.030	<0.030	<0.030	<0.039	<0.042	--	<0.045	<0.044	<0.043	<0.043	<0.045	<0.045	<0.044
HMX	UG/L	<0.040	<0.040	<0.040	<0.016	<0.017	--	<0.019	<0.018	<0.018	<0.018	<0.019	<0.019	<0.019
PETN	UG/L	<0.051	<0.051	<0.051	<0.031	<0.038	--	<0.015	<0.017	<0.017	<0.017	<0.018	<0.018	<0.018
RDX	UG/L	<0.020	<0.020	<0.020	<0.012	<0.013	--	<0.021	<0.020	<0.020	<0.020	<0.021	<0.021	<0.021
Tetryl	UG/L	<0.024	<0.024	<0.024	<0.012	<0.017	--	<0.021	<0.020	<0.020	<0.020	<0.021	<0.021	<0.021
<b>NNOCs DNT Isomers (µg/L)</b>														
2,3-Dinitrotoluene	UG/L	--	--	--	--	--	--	--	<0.015	<0.014	<0.014	--	<0.015	<0.015
2,4-Dinitrotoluene	UG/L	<0.026	<0.026	<0.026	<0.019	<0.038	--	<0.019	<0.018	<0.018	<0.018	--	<0.019	<0.019
2,5-Dinitrotoluene	UG/L	--	--	--	--	--	--	--	--	<0.013	<0.014	--	<0.014	<0.014
2,6-Dinitrotoluene	UG/L	<0.022	<0.022	<0.022	<0.015	<0.037	--	<0.022	<0.021	<0.021	<0.021	--	<0.022	<0.022
3,4-Dinitrotoluene	UG/L	--	--	--	--	--	--	--	<0.019	<0.019	<0.019	--	<0.020	<0.020
3,5-Dinitrotoluene	UG/L	--	--	--	--	--	--	--	<0.033	<0.032	<0.033	--	<0.034	<0.034
<b>NNOCs DNX Isomers (µg/L)</b>														
1,2-Dimethyl-3,4-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	<0.24	<0.24	<0.23	--	--
1,2-Dimethyl-3,5-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	<0.33	<0.33	<0.31	--	--
1,2-Dimethyl-3,6-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	<0.41	<0.41	<0.39	--	--
1,2-Dimethyl-4,5-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	<0.39	<0.39	<0.37	--	--
1,3-Dimethyl-2,4-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	<0.45	<0.45	<0.42	--	--
1,3-Dimethyl-2,5-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	<0.42	<0.42	<0.40	--	--
1,4-Dimethyl-2,3-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	<0.38	<0.38	<0.36	--	--
1,4-Dimethyl-2,5-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	--	<0.76	<0.72	--	--
1,4-Dimethyl-2,6-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	<0.22	<0.22	<0.21	--	--
1,5-Dimethyl-2,3-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	<0.26	<0.26	<0.25	--	--
1,5-Dimethyl-2,4-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	<0.27	<0.27	<0.25	--	--
<b>SVOCs (µg/L)</b>														
Naphthalene	UG/L	<0.78	<0.78	--	--	--	--	--	--	--	--	--	--	--
<b>Anions (µg/L)</b>														
Perchlorate	UG/L	--	--	--	--	--	<0.0022	--	--	--	--	--	--	--

**Notes:**  
NNOC = Nitroaromatic and Nitramine Organic Compounds  
DNT = Dinitrotoluene  
DNX = Dinitroxyene  
SVOC = Semi Volatile Organic Compound  
INFLOW-D = Duplicate Sample  
< = not detected above the laboratory reporting limit  
-- = data not available  
**Bolded** text indicates a laboratory reported detection  
J = analyte present; however, reported value may not be accurate or precise  
J<sup>1</sup> = analyte was detected between the method detection limit and the laboratory reporting limit. Detected results on 10/17/00 are suspected to be due to inadvertent laboratory contamination.  
J<sup>H</sup> = In addition to the "J qualifier", the result was also qualified with an "H" due to an issue with the holding time being exceeded when re-extraction was performed by the laboratory. Due to suspected laboratory error, a confirmation sample was collected in June 2017. The compound was not detected in the confirmation sample.  
U: Analyte was analyzed, but not detected  
UJ: Not detected. Reporting limit may not be accurate or precise  
UG/L = micrograms per liter or parts per billion  
\* DNX isomer inadvertently omitted by the analytical laboratory  
Approximate WTM coordinates of clubhouse well from WDNR RR Sites  
Map: X 447393, Y 683611  
Note: Detections not observed in effluent samples

**Table 1**  
**Historical Clubhouse Inflow Ground Water Sample Results**  
Former DuPont Barksdale Works  
Barksdale, Wisconsin

Location ID	Date Sampled	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-	CLUB HOUSE-
		INFLOW	INFLOW	INFLOW	INFLOW	INFLOW	INFLOW	INFLOW	INFLOW-D	INFLOW	INFLOW-D	INFLOW	INFLOW-D
Parameter Name	Report Units	11/30/2016	04/25/2017	06/06/2017	10/08/2018	08/21/2019	08/25/2020	10/05/2021	10/05/2021	09/26/2022	09/26/2022	09/19/2023	09/19/2023
Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
<b>NNOCs Target Analytes (µg/L)</b>													
1,3,5-Trinitrobenzene	UG/L	--	<0.016 UJ	<0.017	<0.018	<0.016	<0.016	<0.016	<0.016	<0.022	<0.022	<0.022	<0.022
1,3-Dinitrobenzene	UG/L	--	<0.013 UJ	<0.014	<0.015	<0.013	<0.013	<0.013	<0.013	<0.021	<0.021	<0.021	<0.021
1-Methyl-3-Nitrobenzene (3-Nitrotoluene)	UG/L	--	<0.024 UJ	<0.025	<0.027	<0.024	<0.024	<0.024	<0.024	<0.027	<0.027	<0.027	<0.027
1-Methyl-4-Nitrobenzene (4-Nitrotoluene)	UG/L	--	<0.025 UJ	<0.025	<0.028	<0.025	<0.025	<0.025	<0.025	<0.028	<0.028	<0.028	<0.027
2-Amino-4,6-Dinitrotoluene	UG/L	--	<0.020 UJ	<0.021	<0.022	<0.020	<0.02	<0.02	<0.02	<0.029	<0.029	<0.028	<0.028
2-Nitrotoluene	UG/L	--	<0.021 UJ	<0.022	<0.023	<0.021	<0.021	<0.021	<0.021	<0.031	<0.031	<0.030	<0.030
2- And 4-Nitrotoluene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trinitrotoluene	UG/L	--	<0.021 UJ	<0.022	<0.023	<0.021	<0.021	<0.021	<0.021	<0.029	<0.029	<0.028	<0.028
2,4,6-Trinitroxyene	UG/L	--	<0.012 UJ	<0.012	<0.013	<0.011	<0.011	<0.012	<0.012	<0.012	<0.012	<0.011	<0.011
4-Amino-2,6-Dinitrotoluene	UG/L	--	<0.018 UJ	<0.019	<0.020	<0.018	<0.018	<0.018	<0.018	<0.037	<0.038	<0.037	<0.037
Nitrobenzene	UG/L	--	<b>0.072 J<sup>H</sup></b>	<0.032	<0.035	<0.031	<0.031	<0.032	<0.031	<0.027	<0.027	<0.027	<0.027
Nitroglycerin	UG/L	--	<0.043 UJ	<0.044	<0.048	<0.016	<0.016	<0.016	<0.016	<0.028	<0.028	<0.028	<0.027
HMX	UG/L	--	<0.018 UJ	<0.019	<0.020	<0.018	<0.018	<0.018	<0.018	<0.032	<0.032	<0.031	<0.031
PETN	UG/L	--	<0.017 UJ	<0.018	<0.019	<0.017	<0.017	<0.017	<0.017	<0.034	<0.034	<0.033	<0.033
RDX	UG/L	--	<0.020 UJ	<0.021	<0.022	<0.020	<0.020	<0.020	<0.020	<0.026	<0.026	<0.026	<0.026
Tetryl	UG/L	--	<0.020 UJ	<0.021	<0.022	<0.020	<0.020	<0.020	<0.020	<0.027	<0.027	<0.027	<0.027
<b>NNOCs DNT Isomers (µg/L)</b>													
2,3-Dinitrotoluene	UG/L	--	<0.014 UJ	<0.015	<0.016	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014
2,4-Dinitrotoluene	UG/L	--	<0.018 UJ	<0.019	<0.020	<0.018	<0.018	<0.018	<0.018	<0.026	<0.026	<0.026	<0.026
2,5-Dinitrotoluene	UG/L	--	<0.013 UJ	<0.014	<0.015	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
2,6-Dinitrotoluene	UG/L	--	<0.021 UJ	<0.022	<0.023	<0.021	<0.021	<0.021	<0.021	<0.024	<0.024	<0.024	<0.024
3,4-Dinitrotoluene	UG/L	--	<0.019 UJ	<0.020	<0.021	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
3,5-Dinitrotoluene	UG/L	--	<0.033 UJ	<0.033	<0.036	<0.032	<0.032	<0.033	<0.032	<0.033	<0.033	<0.032	<0.032
<b>NNOCs DNX Isomers (µg/L)</b>													
1,2-Dimethyl-3,4-Dinitrobenzene	UG/L	<0.23	<0.23	--	<0.25	<0.48	<0.23	<0.23	<0.23	<4.8	<4.8	<1.5	<1.5
1,2-Dimethyl-3,5-Dinitrobenzene	UG/L	<0.32	<0.32	--	<0.35	<0.66	<0.32	<0.32	<0.32	<4.8	<4.8	<1.5	<1.5
1,2-Dimethyl-3,6-Dinitrobenzene	UG/L	<0.40	<0.40	--	<0.43	<0.82	<0.39	<0.39	<0.39	<4.8	<4.8	<1.9	<1.9
1,2-Dimethyl-4,5-Dinitrobenzene	UG/L	<0.38	<0.38	--	<0.41	<0.78	<0.37	<0.37	<0.37	<4.8	<4.8	<1.5	<1.5
1,3-Dimethyl-2,4-Dinitrobenzene	UG/L	<0.44	<0.44	--	<0.48	<0.90	<0.43	<0.43	<0.43	<4.8	<4.8	<2.1	<2.1
1,3-Dimethyl-2,5-Dinitrobenzene	UG/L	<0.41	<0.41	--	<0.44	<0.84	<0.40	<0.40	<0.40	<4.8	<4.8	<2.3	<2.3
1,4-Dimethyl-2,3-Dinitrobenzene	UG/L	<0.37	<0.37	--	<0.40	<0.76	<0.36	<0.36	<0.36	<4.8	<4.8	<1.5	<1.5
1,4-Dimethyl-2,5-Dinitrobenzene	UG/L	<0.74	<0.74	--	<0.80	<1.5	<0.73	<0.73	<0.73	<970	<970	<1.6	<1.6
1,4-Dimethyl-2,6-Dinitrobenzene	UG/L	<0.22	<0.21	--	<0.23	<0.44	<0.21	<0.21	<0.21	<4.8	<4.8	<1.8	<1.8
1,5-Dimethyl-2,3-Dinitrobenzene	UG/L	<0.25	<0.25	--	<0.28	<0.52	<0.25	<0.25	<0.25	<4.8	<4.8	<1.2	<1.2
1,5-Dimethyl-2,4-Dinitrobenzene	UG/L	<0.26	<0.26	--	<0.29	<0.54	<0.26	<0.26	<0.26	<4.8	<4.8	<1.9	<1.9
<b>SVOCs (µg/L)</b>													
Naphthalene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--
<b>Anions (µg/L)</b>													
Perchlorate	UG/L	--	--	--	--	--	--	--	--	--	--	--	--

**Notes:**

NNOC = Nitroaromatic and Nitramine Organic Compounds

DNT = Dinitrotoluene

DNX = Dinitroxyene

SVOC = Semi Volatile Organic Compound

INFLOW-D = Duplicate Sample

< = not detected above the laboratory reporting limit

-- = data not available

**Bolded** text indicates a laboratory reported detection

J = analyte present; however, reported value may not be accurate or precise

J<sup>1</sup> = analyte was detected between the method detection limit and the laboratory reporting limit. Detected results on 10/17/00 are suspected to be due to inadvertent laboratory contamination.

J<sup>H</sup> = In addition to the "J qualifier", the result was also qualified with an "H" due to an issue with the holding time being exceeded when re-extraction was performed by the laboratory. Due to suspected laboratory error, a confirmation sample was collected in June 2017. The compound was not detected in the confirmation sample.

U: Analyte was analyzed, but not detected

UJ: Not detected. Reporting limit may not be accurate or precise

UG/L = micrograms per liter or parts per billion

\* DNX isomer inadvertently omitted by the analytical laboratory

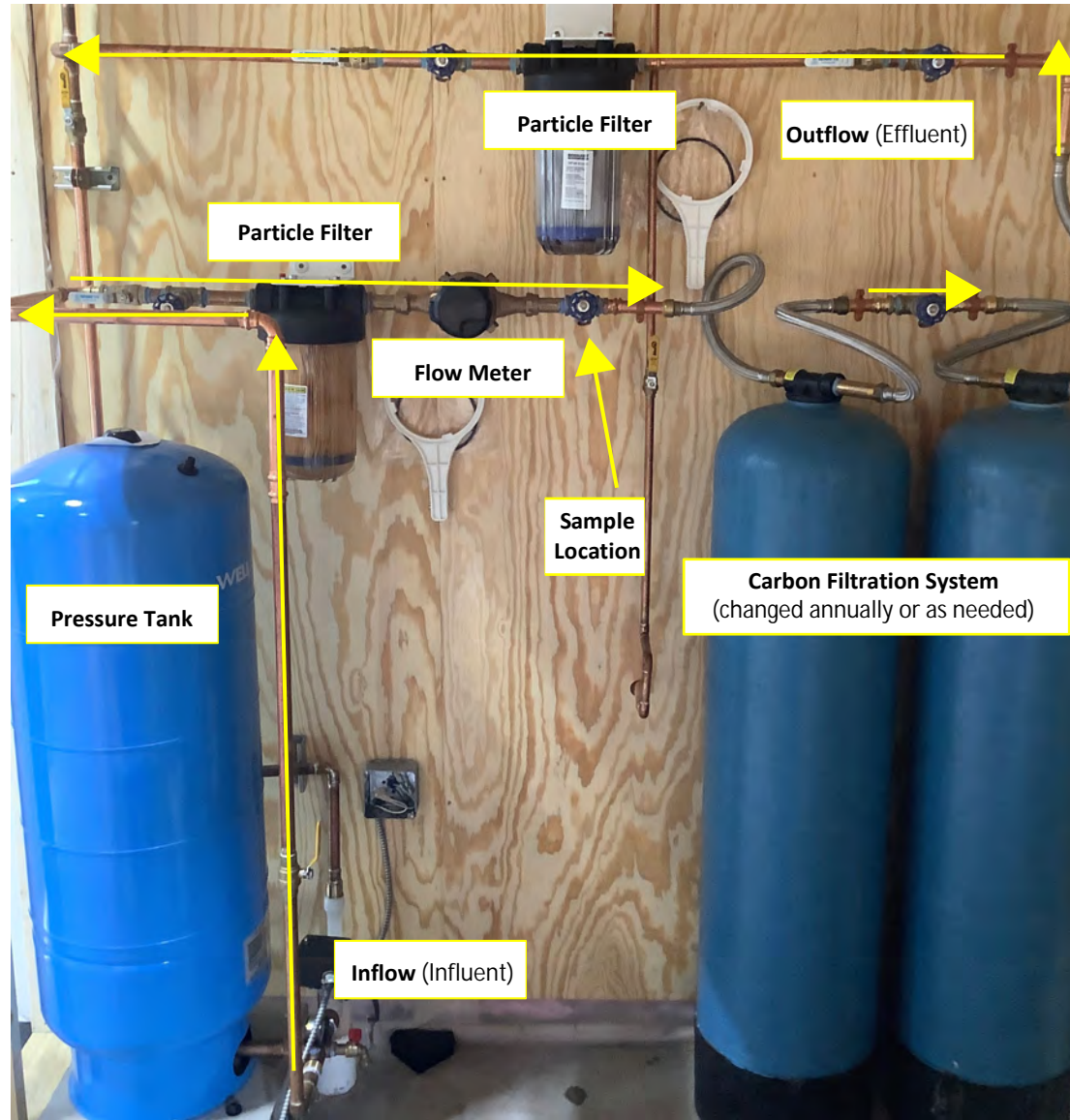
Approximate WTM coordinates of clubhouse well from WDNR RR Sites

Map: X 447393, Y 683611

Note: Detections not observed in effluent samples

# **Attachment 2**

**Figure 1 – Clubhouse Water System Flow Diagram**



O:\GIS\BAR\_GIS\Map\_Files\BrettingClubhouse\12016\Fig01\_SystemDiagram.mxd

Notes:  
Photo taken 10/05/2021

FILE NUMBER:	
DESIGNED BY:	DN
DRAWN BY:	DN
DATA QUALITY CHECK BY:	ES

**Chemours**  
 The Chemours Company  
 500 West Jefferson Street  
 Suite 1600  
 Louisville, Kentucky 40202

## Clubhouse Water System Flow Diagram

Former DuPont Barksdale Works  
Barksdale, Wisconsin 54806

PROJECT NUMBER: 60698290
DATE: Dec 2023
FIGURE NUMBER: <b>1</b>

# **Attachment 3**

## **Eurofins Laboratory Analytical Report**





# ANALYTICAL REPORT

## PREPARED FOR

Attn: Sharon Nordstrom  
The Chemours Company FC, LLC  
c/o AECOM  
248 Chapman Rd.  
Suite 101  
Newark, Delaware 19702  
Generated 10/18/2023 7:44:45 AM

## JOB DESCRIPTION

BAR- Clubhouse Well Sampling 2023

## JOB NUMBER

280-181802-1


# Eurofins Denver

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

## Authorization



Generated  
10/18/2023 7:44:45 AM

Authorized for release by  
Michelle Johnston, Project Manager II  
[Michelle.Johnston@et.eurofinsus.com](mailto:Michelle.Johnston@et.eurofinsus.com)  
(303)736-0110



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Detection Summary . . . . .	6
Method Summary . . . . .	7
Sample Summary . . . . .	8
Client Sample Results . . . . .	9
Surrogate Summary . . . . .	11
QC Sample Results . . . . .	12
QC Association Summary . . . . .	17
Lab Chronicle . . . . .	18
Certification Summary . . . . .	20
Chain of Custody . . . . .	21
Receipt Checklists . . . . .	23

# Definitions/Glossary

Client: The Chemours Company FC, LLC  
Project/Site: BAR- Clubhouse Well Sampling 2023

Job ID: 280-181802-1

## Qualifiers

### GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: The Chemours Company FC, LLC  
Project/Site: BAR- Clubhouse Well Sampling 2023

Job ID: 280-181802-1

**Job ID: 280-181802-1**

**Laboratory: Eurofins Denver**

## Narrative

### CASE NARRATIVE

**Client: The Chemours Company FC, LLC**  
**Project: BAR- Clubhouse Well Sampling 2023**  
**Report Number: 280-181802-1**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

Throughout this report the MDL is equivalent to the LOD and the RL is equivalent to the LOQ. The LOD and LOQ have been adjusted for all dilutions performed.

The LOD and LOQ for soil samples have been dry weight adjusted.

#### **Sample Arrival and Receipt**

The samples were received on 9/21/2023 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.4° C.

#### **Semivolatiles**

Samples GW2023-CLUBHOUSE-INFLOW (280-181802-1) and GW2023-CLUBHOUSE-INFLOW-D (280-181802-2) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 09/26/2023 and analyzed on 10/05/2023.

The spiking solution was inadvertently double spiked during the extraction process for the laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) and the MS/MSD associated with prep batch 280-627431. Percent recoveries were in control.

The initial calibration curve associated with batch 280-628653 was outside acceptance criteria for 1,4-Dimethyl-2,5-Dinitrobenzene and 1,4-Dimethyl-2,6-Dinitrobenzene. There was insufficient peak separation and one unknown analyte is missing likely 1,5-Dimethyl-2,3-Dinitrobenzene. The entire elution time was checked for any missed peaks. The associated samples are ND: GW2023-CLUBHOUSE-INFLOW (280-181802-1), GW2023-CLUBHOUSE-INFLOW (280-181802-1[MS]), GW2023-CLUBHOUSE-INFLOW (280-181802-1[MSD]), GW2023-CLUBHOUSE-INFLOW-D (280-181802-2), (LCS 280-627431/2-A) and (MB 280-627431/1-A).

No other analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### **Explosives**

Samples GW2023-CLUBHOUSE-INFLOW (280-181802-1) and GW2023-CLUBHOUSE-INFLOW-D (280-181802-2) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 09/26/2023 and analyzed on 10/05/2023.

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Detection Summary

Client: The Chemours Company FC, LLC  
Project/Site: BAR- Clubhouse Well Sampling 2023

Job ID: 280-181802-1

**Client Sample ID: GW2023-CLUBHOUSE-INFLOW**

**Lab Sample ID: 280-181802-1**

No Detections.

**Client Sample ID: GW2023-CLUBHOUSE-INFLOW-D**

**Lab Sample ID: 280-181802-2**

No Detections.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

This Detection Summary does not include radiochemical test results.

Eurofins Denver

# Method Summary

Client: The Chemours Company FC, LLC  
Project/Site: BAR- Clubhouse Well Sampling 2023

Job ID: 280-181802-1

Method	Method Description	Protocol	Laboratory
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	EET DEN
8321B	Nitroaromatics and Nitramines (LC/MS)	SW846	EET DEN
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET DEN
3535	Solid-Phase Extraction (SPE)	SW846	EET DEN

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100



# Sample Summary

Client: The Chemours Company FC, LLC  
Project/Site: BAR- Clubhouse Well Sampling 2023

Job ID: 280-181802-1

---

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Received</u>
280-181802-1	GW2023-CLUBHOUSE-INFLOW	Water	09/19/23 13:30	09/21/23 09:30
280-181802-2	GW2023-CLUBHOUSE-INFLOW-D	Water	09/19/23 13:30	09/21/23 09:30

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15



# Client Sample Results

Client: The Chemours Company FC, LLC  
 Project/Site: BAR- Clubhouse Well Sampling 2023

Job ID: 280-181802-1

**Client Sample ID: GW2023-CLUBHOUSE-INFLOW**

**Lab Sample ID: 280-181802-1**

**Date Collected: 09/19/23 13:30**

**Matrix: Water**

**Date Received: 09/21/23 09:30**

**Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dimethyl-3,4-Dinitrobenzene	<1.5		4.8	1.5	ug/L		09/26/23 13:24	10/05/23 12:09	1
1,2-Dimethyl-3,5-Dinitrobenzene	<1.5		4.8	1.5	ug/L		09/26/23 13:24	10/05/23 12:09	1
1,2-Dimethyl-3,6-Dinitrobenzene	<1.9		4.8	1.9	ug/L		09/26/23 13:24	10/05/23 12:09	1
1,2-Dimethyl-4,5-Dinitrobenzene	<1.5		4.8	1.5	ug/L		09/26/23 13:24	10/05/23 12:09	1
1,3-Dimethyl-2,4-Dinitrobenzene	<2.1		4.8	2.1	ug/L		09/26/23 13:24	10/05/23 12:09	1
1,3-Dimethyl-2,5-Dinitrobenzene	<2.3		4.8	2.3	ug/L		09/26/23 13:24	10/05/23 12:09	1
1,4-Dimethyl-2,3-Dinitrobenzene	<1.5		4.8	1.5	ug/L		09/26/23 13:24	10/05/23 12:09	1
1,4-Dimethyl-2,5-Dinitrobenzene	<1.6		4.8	1.6	ug/L		09/26/23 13:24	10/05/23 12:09	1
1,4-Dimethyl-2,6-Dinitrobenzene	<1.8		4.8	1.8	ug/L		09/26/23 13:24	10/05/23 12:09	1
1,5-Dimethyl-2,3-Dinitrobenzene	<1.2		4.8	1.2	ug/L		09/26/23 13:24	10/05/23 12:09	1
1,5-Dimethyl-2,4-Dinitrobenzene	<1.9		4.8	1.9	ug/L		09/26/23 13:24	10/05/23 12:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	82		22 - 140	09/26/23 13:24	10/05/23 12:09	1
2-Fluorobiphenyl	83		28 - 120	09/26/23 13:24	10/05/23 12:09	1
2-Fluorophenol	48		13 - 120	09/26/23 13:24	10/05/23 12:09	1
Nitrobenzene-d5	86		34 - 120	09/26/23 13:24	10/05/23 12:09	1
Phenol-d5	29		10 - 120	09/26/23 13:24	10/05/23 12:09	1
Terphenyl-d14	103		55 - 142	09/26/23 13:24	10/05/23 12:09	1

**Method: SW846 8321B - Nitroaromatics and Nitramines (LC/MS)**

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	<0.022		0.095	0.022	ug/L		09/26/23 15:46	09/28/23 10:46	1
1,3-Dinitrobenzene	<0.021		0.095	0.021	ug/L		09/26/23 15:46	09/28/23 10:46	1
2,3-Dinitrotoluene	<0.014		0.095	0.014	ug/L		09/26/23 15:46	09/28/23 10:46	1
2,4,6-Trinitro-3-xylene	<0.011		0.095	0.011	ug/L		09/26/23 15:46	09/28/23 10:46	1
2,4,6-Trinitrotoluene	<0.028		0.095	0.028	ug/L		09/26/23 15:46	09/28/23 10:46	1
2,4-Dinitrotoluene	<0.026		0.095	0.026	ug/L		09/26/23 15:46	09/28/23 10:46	1
2,5-Dinitrotoluene	<0.013		0.095	0.013	ug/L		09/26/23 15:46	09/28/23 10:46	1
2,6-Dinitrotoluene	<0.024		0.095	0.024	ug/L		09/26/23 15:46	09/28/23 10:46	1
2-Amino-4,6-dinitrotoluene	<0.028		0.095	0.028	ug/L		09/26/23 15:46	09/28/23 10:46	1
2-Nitrotoluene	<0.030		0.095	0.030	ug/L		09/26/23 15:46	09/28/23 10:46	1
3,4-Dinitrotoluene	<0.019		0.095	0.019	ug/L		09/26/23 15:46	09/28/23 10:46	1
3,5-Dinitrotoluene	<0.032		0.095	0.032	ug/L		09/26/23 15:46	09/28/23 10:46	1
3-Nitrotoluene	<0.027		0.095	0.027	ug/L		09/26/23 15:46	09/28/23 10:46	1
4-Amino-2,6-dinitrotoluene	<0.037		0.095	0.037	ug/L		09/26/23 15:46	09/28/23 10:46	1
4-Nitrotoluene	<0.028		0.095	0.028	ug/L		09/26/23 15:46	09/28/23 10:46	1
HMX	<0.031		0.095	0.031	ug/L		09/26/23 15:46	09/27/23 16:06	1
Nitrobenzene	<0.027		0.095	0.027	ug/L		09/26/23 15:46	09/28/23 10:46	1
Nitroglycerin	<0.028		0.13	0.028	ug/L		09/26/23 15:46	09/28/23 10:46	1
PETN	<0.033		0.095	0.033	ug/L		09/26/23 15:46	09/28/23 10:46	1
RDX	<0.026		0.095	0.026	ug/L		09/26/23 15:46	09/27/23 16:06	1
Tetryl	<0.027		0.095	0.027	ug/L		09/26/23 15:46	09/28/23 10:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	89		48 - 130	09/26/23 15:46	09/28/23 10:46	1

# Client Sample Results

Client: The Chemours Company FC, LLC  
 Project/Site: BAR- Clubhouse Well Sampling 2023

Job ID: 280-181802-1

**Client Sample ID: GW2023-CLUBHOUSE-INFLOW-D**

**Lab Sample ID: 280-181802-2**

**Date Collected: 09/19/23 13:30**

**Matrix: Water**

**Date Received: 09/21/23 09:30**

**Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dimethyl-3,4-Dinitrobenzene	<1.5		4.8	1.5	ug/L		09/26/23 13:24	10/05/23 13:14	1
1,2-Dimethyl-3,5-Dinitrobenzene	<1.5		4.8	1.5	ug/L		09/26/23 13:24	10/05/23 13:14	1
1,2-Dimethyl-3,6-Dinitrobenzene	<1.9		4.8	1.9	ug/L		09/26/23 13:24	10/05/23 13:14	1
1,2-Dimethyl-4,5-Dinitrobenzene	<1.5		4.8	1.5	ug/L		09/26/23 13:24	10/05/23 13:14	1
1,3-Dimethyl-2,4-Dinitrobenzene	<2.1		4.8	2.1	ug/L		09/26/23 13:24	10/05/23 13:14	1
1,3-Dimethyl-2,5-Dinitrobenzene	<2.3		4.8	2.3	ug/L		09/26/23 13:24	10/05/23 13:14	1
1,4-Dimethyl-2,3-Dinitrobenzene	<1.5		4.8	1.5	ug/L		09/26/23 13:24	10/05/23 13:14	1
1,4-Dimethyl-2,5-Dinitrobenzene	<1.6		4.8	1.6	ug/L		09/26/23 13:24	10/05/23 13:14	1
1,4-Dimethyl-2,6-Dinitrobenzene	<1.8		4.8	1.8	ug/L		09/26/23 13:24	10/05/23 13:14	1
1,5-Dimethyl-2,3-Dinitrobenzene	<1.2		4.8	1.2	ug/L		09/26/23 13:24	10/05/23 13:14	1
1,5-Dimethyl-2,4-Dinitrobenzene	<1.9		4.8	1.9	ug/L		09/26/23 13:24	10/05/23 13:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	85		22 - 140	09/26/23 13:24	10/05/23 13:14	1
2-Fluorobiphenyl	91		28 - 120	09/26/23 13:24	10/05/23 13:14	1
2-Fluorophenol	53		13 - 120	09/26/23 13:24	10/05/23 13:14	1
Nitrobenzene-d5	91		34 - 120	09/26/23 13:24	10/05/23 13:14	1
Phenol-d5	32		10 - 120	09/26/23 13:24	10/05/23 13:14	1
Terphenyl-d14	109		55 - 142	09/26/23 13:24	10/05/23 13:14	1

**Method: SW846 8321B - Nitroaromatics and Nitramines (LC/MS)**

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	<0.022		0.095	0.022	ug/L		09/26/23 15:46	09/28/23 11:17	1
1,3-Dinitrobenzene	<0.021		0.095	0.021	ug/L		09/26/23 15:46	09/28/23 11:17	1
2,3-Dinitrotoluene	<0.014		0.095	0.014	ug/L		09/26/23 15:46	09/28/23 11:17	1
2,4,6-Trinitro-3-xylene	<0.011		0.095	0.011	ug/L		09/26/23 15:46	09/28/23 11:17	1
2,4,6-Trinitrotoluene	<0.028		0.095	0.028	ug/L		09/26/23 15:46	09/28/23 11:17	1
2,4-Dinitrotoluene	<0.026		0.095	0.026	ug/L		09/26/23 15:46	09/28/23 11:17	1
2,5-Dinitrotoluene	<0.013		0.095	0.013	ug/L		09/26/23 15:46	09/28/23 11:17	1
2,6-Dinitrotoluene	<0.024		0.095	0.024	ug/L		09/26/23 15:46	09/28/23 11:17	1
2-Amino-4,6-dinitrotoluene	<0.028		0.095	0.028	ug/L		09/26/23 15:46	09/28/23 11:17	1
2-Nitrotoluene	<0.030		0.095	0.030	ug/L		09/26/23 15:46	09/28/23 11:17	1
3,4-Dinitrotoluene	<0.019		0.095	0.019	ug/L		09/26/23 15:46	09/28/23 11:17	1
3,5-Dinitrotoluene	<0.032		0.095	0.032	ug/L		09/26/23 15:46	09/28/23 11:17	1
3-Nitrotoluene	<0.027		0.095	0.027	ug/L		09/26/23 15:46	09/28/23 11:17	1
4-Amino-2,6-dinitrotoluene	<0.037		0.095	0.037	ug/L		09/26/23 15:46	09/28/23 11:17	1
4-Nitrotoluene	<0.027		0.095	0.027	ug/L		09/26/23 15:46	09/28/23 11:17	1
HMX	<0.031		0.095	0.031	ug/L		09/26/23 15:46	09/27/23 16:13	1
Nitrobenzene	<0.027		0.095	0.027	ug/L		09/26/23 15:46	09/28/23 11:17	1
Nitroglycerin	<0.027		0.13	0.027	ug/L		09/26/23 15:46	09/28/23 11:17	1
PETN	<0.033		0.095	0.033	ug/L		09/26/23 15:46	09/28/23 11:17	1
RDX	<0.026		0.095	0.026	ug/L		09/26/23 15:46	09/27/23 16:13	1
Tetryl	<0.027		0.095	0.027	ug/L		09/26/23 15:46	09/28/23 11:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	95		48 - 130	09/26/23 15:46	09/28/23 11:17	1

# Surrogate Summary

Client: The Chemours Company FC, LLC  
 Project/Site: BAR- Clubhouse Well Sampling 2023

Job ID: 280-181802-1

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (22-140)	FBP (28-120)	2FP (13-120)	NBZ (34-120)	PHL (10-120)	TPHL (55-142)
280-181802-1	GW2023-CLUBHOUSE-INFLOW	82	83	48	86	29	103
280-181802-1 MS	GW2023-CLUBHOUSE-INFLOW	105	111	54	105	35	124
280-181802-1 MSD	GW2023-CLUBHOUSE-INFLOW	78	81	39	74	25	90
280-181802-2	GW2023-CLUBHOUSE-INFLOW -D	85	91	53	91	32	109
LCS 280-627431/2-A	Lab Control Sample	85	81	43	76	29	101
MB 280-627431/1-A	Method Blank	79	81	52	83	32	110

### Surrogate Legend

TBP = 2,4,6-Tribromophenol

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

PHL = Phenol-d5

TPHL = Terphenyl-d14

## Method: 8321B - Nitroaromatics and Nitramines (LC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		NBZ (48-130)
280-181802-1	GW2023-CLUBHOUSE-INFLOW	89
280-181802-1 MS	GW2023-CLUBHOUSE-INFLOW	97
280-181802-1 MSD	GW2023-CLUBHOUSE-INFLOW	77
280-181802-2	GW2023-CLUBHOUSE-INFLOW -D	95
LCS 280-627470/2-A	Lab Control Sample	83
MB 280-627470/1-A	Method Blank	85

### Surrogate Legend

NBZ = Nitrobenzene-d5

# QC Sample Results

Client: The Chemours Company FC, LLC  
 Project/Site: BAR- Clubhouse Well Sampling 2023

Job ID: 280-181802-1

## Method: 8270C - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 280-627431/1-A**  
**Matrix: Water**  
**Analysis Batch: 628653**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 627431**

Analyte	MB	MB	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dimethyl-3,4-Dinitrobenzene	<1.6		5.0	1.6	ug/L		09/26/23 13:24	10/05/23 11:27	1
1,2-Dimethyl-3,5-Dinitrobenzene	<1.6		5.0	1.6	ug/L		09/26/23 13:24	10/05/23 11:27	1
1,2-Dimethyl-3,6-Dinitrobenzene	<2.0		5.0	2.0	ug/L		09/26/23 13:24	10/05/23 11:27	1
1,2-Dimethyl-4,5-Dinitrobenzene	<1.6		5.0	1.6	ug/L		09/26/23 13:24	10/05/23 11:27	1
1,3-Dimethyl-2,4-Dinitrobenzene	<2.2		5.0	2.2	ug/L		09/26/23 13:24	10/05/23 11:27	1
1,3-Dimethyl-2,5-Dinitrobenzene	<2.4		5.0	2.4	ug/L		09/26/23 13:24	10/05/23 11:27	1
1,4-Dimethyl-2,3-Dinitrobenzene	<1.6		5.0	1.6	ug/L		09/26/23 13:24	10/05/23 11:27	1
1,4-Dimethyl-2,5-Dinitrobenzene	<1.7		5.0	1.7	ug/L		09/26/23 13:24	10/05/23 11:27	1
1,4-Dimethyl-2,6-Dinitrobenzene	<1.9		5.0	1.9	ug/L		09/26/23 13:24	10/05/23 11:27	1
1,5-Dimethyl-2,3-Dinitrobenzene	<1.3		5.0	1.3	ug/L		09/26/23 13:24	10/05/23 11:27	1
1,5-Dimethyl-2,4-Dinitrobenzene	<2.0		5.0	2.0	ug/L		09/26/23 13:24	10/05/23 11:27	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol	79		22 - 140	09/26/23 13:24	10/05/23 11:27	1
2-Fluorobiphenyl	81		28 - 120	09/26/23 13:24	10/05/23 11:27	1
2-Fluorophenol	52		13 - 120	09/26/23 13:24	10/05/23 11:27	1
Nitrobenzene-d5	83		34 - 120	09/26/23 13:24	10/05/23 11:27	1
Phenol-d5	32		10 - 120	09/26/23 13:24	10/05/23 11:27	1
Terphenyl-d14	110		55 - 142	09/26/23 13:24	10/05/23 11:27	1

**Lab Sample ID: LCS 280-627431/2-A**  
**Matrix: Water**  
**Analysis Batch: 628653**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 627431**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
1,2-Dimethyl-3,4-Dinitrobenzene	210	188		ug/L		90	70 - 130
1,2-Dimethyl-3,5-Dinitrobenzene	212	194		ug/L		92	70 - 130
1,2-Dimethyl-3,6-Dinitrobenzene	210	178		ug/L		85	70 - 133
1,2-Dimethyl-4,5-Dinitrobenzene	211	195		ug/L		93	70 - 130
1,3-Dimethyl-2,4-Dinitrobenzene	200	178		ug/L		89	70 - 130
1,3-Dimethyl-2,5-Dinitrobenzene	214	189		ug/L		88	70 - 130
1,4-Dimethyl-2,3-Dinitrobenzene	193	154		ug/L		80	70 - 130
1,4-Dimethyl-2,5-Dinitrobenzene	208	172		ug/L		83	70 - 130
1,4-Dimethyl-2,6-Dinitrobenzene	208	179		ug/L		86	70 - 130
1,5-Dimethyl-2,3-Dinitrobenzene	200	183		ug/L		92	70 - 130
1,5-Dimethyl-2,4-Dinitrobenzene	208	183		ug/L		88	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	85		22 - 140
2-Fluorobiphenyl	81		28 - 120
2-Fluorophenol	43		13 - 120
Nitrobenzene-d5	76		34 - 120
Phenol-d5	29		10 - 120
Terphenyl-d14	101		55 - 142

# QC Sample Results

Client: The Chemours Company FC, LLC  
 Project/Site: BAR- Clubhouse Well Sampling 2023

Job ID: 280-181802-1

## Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 280-181802-1 MS**

**Matrix: Water**

**Analysis Batch: 628653**

**Client Sample ID: GW2023-CLUBHOUSE-INFLOW**

**Prep Type: Total/NA**

**Prep Batch: 627431**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
1,2-Dimethyl-3,4-Dinitrobenzene	<1.5		199	216	E	ug/L		109		70 - 130
1,2-Dimethyl-3,5-Dinitrobenzene	<1.5		201	228	E	ug/L		114		70 - 130
1,2-Dimethyl-3,6-Dinitrobenzene	<1.9		199	215	E	ug/L		108		70 - 130
1,2-Dimethyl-4,5-Dinitrobenzene	<1.5		200	225	E	ug/L		112		70 - 130
1,3-Dimethyl-2,4-Dinitrobenzene	<2.1		189	213	E	ug/L		113		70 - 130
1,3-Dimethyl-2,5-Dinitrobenzene	<2.3		203	231	E	ug/L		114		70 - 130
1,4-Dimethyl-2,3-Dinitrobenzene	<1.5		183	182		ug/L		100		70 - 130
1,4-Dimethyl-2,5-Dinitrobenzene	<1.6		197	182		ug/L		92		70 - 130
1,4-Dimethyl-2,6-Dinitrobenzene	<1.8		197	229	E	ug/L		116		70 - 130
1,5-Dimethyl-2,3-Dinitrobenzene	<1.2		189	216	E	ug/L		114		70 - 130
1,5-Dimethyl-2,4-Dinitrobenzene	<1.9		197	222	E	ug/L		113		70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	105		22 - 140
2-Fluorobiphenyl	111		28 - 120
2-Fluorophenol	54		13 - 120
Nitrobenzene-d5	105		34 - 120
Phenol-d5	35		10 - 120
Terphenyl-d14	124		55 - 142

**Lab Sample ID: 280-181802-1 MSD**

**Matrix: Water**

**Analysis Batch: 628653**

**Client Sample ID: GW2023-CLUBHOUSE-INFLOW**

**Prep Type: Total/NA**

**Prep Batch: 627431**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
1,2-Dimethyl-3,4-Dinitrobenzene	<1.5		198	163		ug/L		82		70 - 130	28	50
1,2-Dimethyl-3,5-Dinitrobenzene	<1.5		200	168		ug/L		84		70 - 130	30	50
1,2-Dimethyl-3,6-Dinitrobenzene	<1.9		198	160		ug/L		81		70 - 130	30	50
1,2-Dimethyl-4,5-Dinitrobenzene	<1.5		199	165		ug/L		83		70 - 130	31	50
1,3-Dimethyl-2,4-Dinitrobenzene	<2.1		189	158		ug/L		84		70 - 130	29	50
1,3-Dimethyl-2,5-Dinitrobenzene	<2.3		202	172		ug/L		85		70 - 130	29	50
1,4-Dimethyl-2,3-Dinitrobenzene	<1.5		182	138		ug/L		76		70 - 130	28	50
1,4-Dimethyl-2,5-Dinitrobenzene	<1.6		196	150		ug/L		76		70 - 130	19	50
1,4-Dimethyl-2,6-Dinitrobenzene	<1.8		196	163		ug/L		83		70 - 130	33	50
1,5-Dimethyl-2,3-Dinitrobenzene	<1.2		189	159		ug/L		84		70 - 130	30	50
1,5-Dimethyl-2,4-Dinitrobenzene	<1.9		196	164		ug/L		84		70 - 130	30	50

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol	78		22 - 140
2-Fluorobiphenyl	81		28 - 120
2-Fluorophenol	39		13 - 120
Nitrobenzene-d5	74		34 - 120
Phenol-d5	25		10 - 120
Terphenyl-d14	90		55 - 142

# QC Sample Results

Client: The Chemours Company FC, LLC  
 Project/Site: BAR- Clubhouse Well Sampling 2023

Job ID: 280-181802-1

## Method: 8321B - Nitroaromatics and Nitramines (LC/MS)

**Lab Sample ID: MB 280-627470/1-A**  
**Matrix: Water**  
**Analysis Batch: 627693**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 627470**

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
HMX	<0.033		0.10	0.033	ug/L		09/26/23 15:46	09/27/23 16:01	1
RDX	<0.027		0.10	0.027	ug/L		09/26/23 15:46	09/27/23 16:01	1

**Lab Sample ID: MB 280-627470/1-A**  
**Matrix: Water**  
**Analysis Batch: 627772**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 627470**

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	<0.023		0.10	0.023	ug/L		09/26/23 15:46	09/28/23 10:25	1
1,3-Dinitrobenzene	<0.022		0.10	0.022	ug/L		09/26/23 15:46	09/28/23 10:25	1
2,3-Dinitrotoluene	<0.015		0.10	0.015	ug/L		09/26/23 15:46	09/28/23 10:25	1
2,4,6-Trinitro-3-xylene	<0.012		0.10	0.012	ug/L		09/26/23 15:46	09/28/23 10:25	1
2,4,6-Trinitrotoluene	<0.030		0.10	0.030	ug/L		09/26/23 15:46	09/28/23 10:25	1
2,4-Dinitrotoluene	<0.027		0.10	0.027	ug/L		09/26/23 15:46	09/28/23 10:25	1
2,5-Dinitrotoluene	<0.014		0.10	0.014	ug/L		09/26/23 15:46	09/28/23 10:25	1
2,6-Dinitrotoluene	<0.025		0.10	0.025	ug/L		09/26/23 15:46	09/28/23 10:25	1
2-Amino-4,6-dinitrotoluene	<0.030		0.10	0.030	ug/L		09/26/23 15:46	09/28/23 10:25	1
2-Nitrotoluene	<0.032		0.10	0.032	ug/L		09/26/23 15:46	09/28/23 10:25	1
3,4-Dinitrotoluene	<0.020		0.10	0.020	ug/L		09/26/23 15:46	09/28/23 10:25	1
3,5-Dinitrotoluene	<0.034		0.10	0.034	ug/L		09/26/23 15:46	09/28/23 10:25	1
3-Nitrotoluene	<0.028		0.10	0.028	ug/L		09/26/23 15:46	09/28/23 10:25	1
4-Amino-2,6-dinitrotoluene	<0.039		0.10	0.039	ug/L		09/26/23 15:46	09/28/23 10:25	1
4-Nitrotoluene	<0.029		0.10	0.029	ug/L		09/26/23 15:46	09/28/23 10:25	1
Nitrobenzene	<0.028		0.10	0.028	ug/L		09/26/23 15:46	09/28/23 10:25	1
Nitroglycerin	<0.029		0.14	0.029	ug/L		09/26/23 15:46	09/28/23 10:25	1
PETN	<0.035		0.10	0.035	ug/L		09/26/23 15:46	09/28/23 10:25	1
Tetryl	<0.028		0.10	0.028	ug/L		09/26/23 15:46	09/28/23 10:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	85		48 - 130	09/26/23 15:46	09/28/23 10:25	1

**Lab Sample ID: LCS 280-627470/2-A**  
**Matrix: Water**  
**Analysis Batch: 627693**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 627470**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
HMX	0.500	0.440		ug/L		88	63 - 119
RDX	0.500	0.464		ug/L		93	71 - 127

**Lab Sample ID: LCS 280-627470/2-A**  
**Matrix: Water**  
**Analysis Batch: 627772**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 627470**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3,5-Trinitrobenzene	0.500	0.486		ug/L		97	48 - 135
1,3-Dinitrobenzene	0.500	0.468		ug/L		94	64 - 122
2,3-Dinitrotoluene	0.503	0.411		ug/L		82	50 - 150
2,4,6-Trinitro-3-xylene	0.500	0.452		ug/L		90	50 - 150
2,4,6-Trinitrotoluene	0.500	0.440		ug/L		88	10 - 145

Eurofins Denver

# QC Sample Results

Client: The Chemours Company FC, LLC  
 Project/Site: BAR- Clubhouse Well Sampling 2023

Job ID: 280-181802-1

## Method: 8321B - Nitroaromatics and Nitramines (LC/MS) (Continued)

**Lab Sample ID: LCS 280-627470/2-A**  
**Matrix: Water**  
**Analysis Batch: 627772**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 627470**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrotoluene	0.500	0.423		ug/L		85	55 - 117
2,5-Dinitrotoluene	0.500	0.468		ug/L		94	50 - 150
2,6-Dinitrotoluene	0.500	0.397		ug/L		79	54 - 123
2-Amino-4,6-dinitrotoluene	0.500	0.466		ug/L		93	47 - 134
2-Nitrotoluene	0.500	0.348		ug/L		70	25 - 127
3,4-Dinitrotoluene	0.500	0.431		ug/L		86	50 - 150
3,5-Dinitrotoluene	0.500	0.423		ug/L		85	50 - 150
3-Nitrotoluene	0.500	0.334		ug/L		67	18 - 123
4-Amino-2,6-dinitrotoluene	0.500	0.424		ug/L		85	50 - 139
4-Nitrotoluene	0.500	0.356		ug/L		71	27 - 128
Nitrobenzene	0.500	0.411		ug/L		82	39 - 131
Nitroglycerin	0.500	0.465		ug/L		93	60 - 121
PETN	0.500	0.428		ug/L		86	46 - 151
Tetryl	0.500	0.489		ug/L		98	15 - 134

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	83		48 - 130

**Lab Sample ID: 280-181802-1 MS**  
**Matrix: Water**  
**Analysis Batch: 627693**

**Client Sample ID: GW2023-CLUBHOUSE-INFLOW**  
**Prep Type: Total/NA**  
**Prep Batch: 627470**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
HMX	<0.031		0.475	0.401		ug/L		84	63 - 119
RDX	<0.026		0.475	0.435		ug/L		92	71 - 127

**Lab Sample ID: 280-181802-1 MS**  
**Matrix: Water**  
**Analysis Batch: 627772**

**Client Sample ID: GW2023-CLUBHOUSE-INFLOW**  
**Prep Type: Total/NA**  
**Prep Batch: 627470**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,3,5-Trinitrobenzene	<0.022		0.475	0.496		ug/L		104	48 - 135
1,3-Dinitrobenzene	<0.021		0.475	0.491		ug/L		103	64 - 122
2,3-Dinitrotoluene	<0.014		0.477	0.457		ug/L		96	50 - 150
2,4,6-Trinitro-3-xylene	<0.011		0.475	0.501		ug/L		105	50 - 150
2,4,6-Trinitrotoluene	<0.028		0.475	0.448		ug/L		94	10 - 145
2,4-Dinitrotoluene	<0.026		0.475	0.421		ug/L		89	55 - 117
2,5-Dinitrotoluene	<0.013		0.475	0.436		ug/L		92	50 - 150
2,6-Dinitrotoluene	<0.024		0.475	0.511		ug/L		108	54 - 123
2-Amino-4,6-dinitrotoluene	<0.028		0.475	0.476		ug/L		100	47 - 134
2-Nitrotoluene	<0.030		0.475	0.441		ug/L		93	25 - 127
3,4-Dinitrotoluene	<0.019		0.475	0.480		ug/L		101	50 - 150
3,5-Dinitrotoluene	<0.032		0.475	0.523		ug/L		110	50 - 150
3-Nitrotoluene	<0.027		0.475	0.391		ug/L		82	18 - 123
4-Amino-2,6-dinitrotoluene	<0.037		0.475	0.464		ug/L		98	50 - 139
4-Nitrotoluene	<0.028		0.475	0.416		ug/L		88	27 - 128
Nitrobenzene	<0.027		0.475	0.422		ug/L		89	39 - 131
Nitroglycerin	<0.028		0.475	0.434		ug/L		91	60 - 121
PETN	<0.033		0.475	0.404		ug/L		85	46 - 151

Eurofins Denver

# QC Sample Results

Client: The Chemours Company FC, LLC  
 Project/Site: BAR- Clubhouse Well Sampling 2023

Job ID: 280-181802-1

## Method: 8321B - Nitroaromatics and Nitramines (LC/MS) (Continued)

**Lab Sample ID: 280-181802-1 MS**

**Matrix: Water**

**Analysis Batch: 627772**

**Client Sample ID: GW2023-CLUBHOUSE-INFLOW**

**Prep Type: Total/NA**

**Prep Batch: 627470**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Tetryl	<0.027		0.475	0.484		ug/L		102	15 - 134

Surrogate	MS %Recovery	MS Qualifier	MS Limits
Nitrobenzene-d5	97		48 - 130

**Lab Sample ID: 280-181802-1 MSD**

**Matrix: Water**

**Analysis Batch: 627693**

**Client Sample ID: GW2023-CLUBHOUSE-INFLOW**

**Prep Type: Total/NA**

**Prep Batch: 627470**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
HMX	<0.031		0.487	0.410		ug/L		84	63 - 119	2	48
RDX	<0.026		0.487	0.446		ug/L		92	71 - 127	2	26

**Lab Sample ID: 280-181802-1 MSD**

**Matrix: Water**

**Analysis Batch: 627772**

**Client Sample ID: GW2023-CLUBHOUSE-INFLOW**

**Prep Type: Total/NA**

**Prep Batch: 627470**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,3,5-Trinitrobenzene	<0.022		0.487	0.416		ug/L		85	48 - 135	18	52
1,3-Dinitrobenzene	<0.021		0.487	0.460		ug/L		95	64 - 122	6	30
2,3-Dinitrotoluene	<0.014		0.489	0.424		ug/L		87	50 - 150	7	30
2,4,6-Trinitro-3-xylene	<0.011		0.487	0.457		ug/L		94	50 - 150	9	30
2,4,6-Trinitrotoluene	<0.028		0.487	0.407		ug/L		84	10 - 145	10	70
2,4-Dinitrotoluene	<0.026		0.487	0.421		ug/L		86	55 - 117	0	27
2,5-Dinitrotoluene	<0.013		0.487	0.445		ug/L		91	50 - 150	2	50
2,6-Dinitrotoluene	<0.024		0.487	0.505		ug/L		104	54 - 123	1	46
2-Amino-4,6-dinitrotoluene	<0.028		0.487	0.440		ug/L		90	47 - 134	8	52
2-Nitrotoluene	<0.030		0.487	0.378		ug/L		78	25 - 127	15	67
3,4-Dinitrotoluene	<0.019		0.487	0.466		ug/L		96	50 - 150	3	30
3,5-Dinitrotoluene	<0.032		0.487	0.447		ug/L		92	50 - 150	16	30
3-Nitrotoluene	<0.027		0.487	0.387		ug/L		79	18 - 123	1	75
4-Amino-2,6-dinitrotoluene	<0.037		0.487	0.365		ug/L		75	50 - 139	24	68
4-Nitrotoluene	<0.028		0.487	0.443		ug/L		91	27 - 128	6	70
Nitrobenzene	<0.027		0.487	0.372		ug/L		76	39 - 131	13	55
Nitroglycerin	<0.028		0.487	0.446		ug/L		92	60 - 121	3	62
PETN	<0.033		0.487	0.427		ug/L		88	46 - 151	5	79
Tetryl	<0.027		0.487	0.411		ug/L		84	15 - 134	16	58

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
Nitrobenzene-d5	77		48 - 130



# QC Association Summary

Client: The Chemours Company FC, LLC  
 Project/Site: BAR- Clubhouse Well Sampling 2023

Job ID: 280-181802-1

## GC/MS Semi VOA

### Prep Batch: 627431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-181802-1	GW2023-CLUBHOUSE-INFLOW	Total/NA	Water	3510C	
280-181802-2	GW2023-CLUBHOUSE-INFLOW-D	Total/NA	Water	3510C	
MB 280-627431/1-A	Method Blank	Total/NA	Water	3510C	
LCS 280-627431/2-A	Lab Control Sample	Total/NA	Water	3510C	
280-181802-1 MS	GW2023-CLUBHOUSE-INFLOW	Total/NA	Water	3510C	
280-181802-1 MSD	GW2023-CLUBHOUSE-INFLOW	Total/NA	Water	3510C	

### Analysis Batch: 628653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-181802-1	GW2023-CLUBHOUSE-INFLOW	Total/NA	Water	8270C	627431
280-181802-2	GW2023-CLUBHOUSE-INFLOW-D	Total/NA	Water	8270C	627431
MB 280-627431/1-A	Method Blank	Total/NA	Water	8270C	627431
LCS 280-627431/2-A	Lab Control Sample	Total/NA	Water	8270C	627431
280-181802-1 MS	GW2023-CLUBHOUSE-INFLOW	Total/NA	Water	8270C	627431
280-181802-1 MSD	GW2023-CLUBHOUSE-INFLOW	Total/NA	Water	8270C	627431

## LCMS

### Prep Batch: 627470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-181802-1	GW2023-CLUBHOUSE-INFLOW	Total/NA	Water	3535	
280-181802-2	GW2023-CLUBHOUSE-INFLOW-D	Total/NA	Water	3535	
MB 280-627470/1-A	Method Blank	Total/NA	Water	3535	
LCS 280-627470/2-A	Lab Control Sample	Total/NA	Water	3535	
280-181802-1 MS	GW2023-CLUBHOUSE-INFLOW	Total/NA	Water	3535	
280-181802-1 MSD	GW2023-CLUBHOUSE-INFLOW	Total/NA	Water	3535	

### Analysis Batch: 627693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-181802-1	GW2023-CLUBHOUSE-INFLOW	Total/NA	Water	8321B	627470
280-181802-2	GW2023-CLUBHOUSE-INFLOW-D	Total/NA	Water	8321B	627470
MB 280-627470/1-A	Method Blank	Total/NA	Water	8321B	627470
LCS 280-627470/2-A	Lab Control Sample	Total/NA	Water	8321B	627470
280-181802-1 MS	GW2023-CLUBHOUSE-INFLOW	Total/NA	Water	8321B	627470
280-181802-1 MSD	GW2023-CLUBHOUSE-INFLOW	Total/NA	Water	8321B	627470

### Analysis Batch: 627772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-181802-1	GW2023-CLUBHOUSE-INFLOW	Total/NA	Water	8321B	627470
280-181802-2	GW2023-CLUBHOUSE-INFLOW-D	Total/NA	Water	8321B	627470
MB 280-627470/1-A	Method Blank	Total/NA	Water	8321B	627470
LCS 280-627470/2-A	Lab Control Sample	Total/NA	Water	8321B	627470
280-181802-1 MS	GW2023-CLUBHOUSE-INFLOW	Total/NA	Water	8321B	627470
280-181802-1 MSD	GW2023-CLUBHOUSE-INFLOW	Total/NA	Water	8321B	627470

# Lab Chronicle

Client: The Chemours Company FC, LLC  
 Project/Site: BAR- Clubhouse Well Sampling 2023

Job ID: 280-181802-1

## Client Sample ID: GW2023-CLUBHOUSE-INFLOW

Lab Sample ID: 280-181802-1

Date Collected: 09/19/23 13:30

Matrix: Water

Date Received: 09/21/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1050.2 mL	1 mL	627431	09/26/23 13:24	EDW	EET DEN
Total/NA	Analysis	8270C		1	200 uL	200 uL	628653	10/05/23 12:09	RJC	EET DEN
Total/NA	Prep	3535			1054.4 mL	5 mL	627470	09/26/23 15:46	EH	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	627693	09/27/23 16:06	AGCM	EET DEN
Total/NA	Prep	3535			1054.4 mL	5 mL	627470	09/26/23 15:46	EH	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	627772	09/28/23 10:46	AGCM	EET DEN

## Client Sample ID: GW2023-CLUBHOUSE-INFLOW-D

Lab Sample ID: 280-181802-2

Date Collected: 09/19/23 13:30

Matrix: Water

Date Received: 09/21/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1049.8 mL	1 mL	627431	09/26/23 13:24	EDW	EET DEN
Total/NA	Analysis	8270C		1	200 uL	200 uL	628653	10/05/23 13:14	RJC	EET DEN
Total/NA	Prep	3535			1055.7 mL	5 mL	627470	09/26/23 15:46	EH	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	627693	09/27/23 16:13	AGCM	EET DEN
Total/NA	Prep	3535			1055.7 mL	5 mL	627470	09/26/23 15:46	EH	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	627772	09/28/23 11:17	AGCM	EET DEN

## Client Sample ID: Method Blank

Lab Sample ID: MB 280-627431/1-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1000 mL	1 mL	627431	09/26/23 13:24	EDW	EET DEN
Total/NA	Analysis	8270C		1	200 uL	200 uL	628653	10/05/23 11:27	RJC	EET DEN

## Client Sample ID: Method Blank

Lab Sample ID: MB 280-627470/1-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			1000 mL	5 mL	627470	09/26/23 15:46	EH	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	627693	09/27/23 16:01	AGCM	EET DEN
Total/NA	Prep	3535			1000 mL	5 mL	627470	09/26/23 15:46	EH	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	627772	09/28/23 10:25	AGCM	EET DEN

## Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 280-627431/2-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1000 mL	1 mL	627431	09/26/23 13:24	EDW	EET DEN
Total/NA	Analysis	8270C		1	200 uL	200 uL	628653	10/05/23 11:48	RJC	EET DEN

# Lab Chronicle

Client: The Chemours Company FC, LLC  
 Project/Site: BAR- Clubhouse Well Sampling 2023

Job ID: 280-181802-1

**Client Sample ID: Lab Control Sample**

**Lab Sample ID: LCS 280-627470/2-A**

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			1000 mL	5 mL	627470	09/26/23 15:46	EH	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	627693	09/27/23 16:04	AGCM	EET DEN
Total/NA	Prep	3535			1000 mL	5 mL	627470	09/26/23 15:46	EH	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	627772	09/28/23 10:36	AGCM	EET DEN

**Client Sample ID: GW2023-CLUBHOUSE-INFLOW**

**Lab Sample ID: 280-181802-1 MS**

Date Collected: 09/19/23 13:30

Matrix: Water

Date Received: 09/21/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1055.6 mL	1 mL	627431	09/26/23 13:24	EDW	EET DEN
Total/NA	Analysis	8270C		1	200 uL	200 uL	628653	10/05/23 12:31	RJC	EET DEN
Total/NA	Prep	3535			1052.9 mL	5 mL	627470	09/26/23 15:46	EH	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	627693	09/27/23 16:08	AGCM	EET DEN
Total/NA	Prep	3535			1052.9 mL	5 mL	627470	09/26/23 15:46	EH	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	627772	09/28/23 10:56	AGCM	EET DEN

**Client Sample ID: GW2023-CLUBHOUSE-INFLOW**

**Lab Sample ID: 280-181802-1 MSD**

Date Collected: 09/19/23 13:30

Matrix: Water

Date Received: 09/21/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1058.6 mL	1 mL	627431	09/26/23 13:24	EDW	EET DEN
Total/NA	Analysis	8270C		1	200 uL	200 uL	628653	10/05/23 12:52	RJC	EET DEN
Total/NA	Prep	3535			1026.9 mL	5 mL	627470	09/26/23 15:46	EH	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	627693	09/27/23 16:11	AGCM	EET DEN
Total/NA	Prep	3535			1026.9 mL	5 mL	627470	09/26/23 15:46	EH	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	627772	09/28/23 11:07	AGCM	EET DEN

**Laboratory References:**

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

# Accreditation/Certification Summary

Client: The Chemours Company FC, LLC  
Project/Site: BAR- Clubhouse Well Sampling 2023

Job ID: 280-181802-1

## Laboratory: Eurofins Denver

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999615430	08-31-24

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Eurofins Denver

4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Phone (303) 431-7171

Chain of Custody Record

Form containing Client Information, Analysis Requested, Sample Identification table, and Custody Seals Intact section. Includes handwritten entries for sample dates, times, and signatures.



Do Not Lift Using This Tag



**Expanded Billable Stamp**

Use only for shipments within the U.S. Saturday delivery available.

1 From See optional release signature below.  
ORDER: 00875545

DECLARED VALUE \$100  
PACKAGE WEIGHT

2 To Shipment will not be accepted if address below is altered.

SAMPLE RECEIVING  
EUROFINS DENVER  
4955 YARROW ST  
ARVADA CO 80002  
(303) 736-0100

**FedEx Priority Overnight®**

Next business morning by 10:30 a.m. Not available to all locations. Please consult the current FedEx Service Guide for specific commitments.

**NONREDEEMABLE**  
Please see back for declared value information and important terms and conditions.

**SATURDAY DELIVERY**

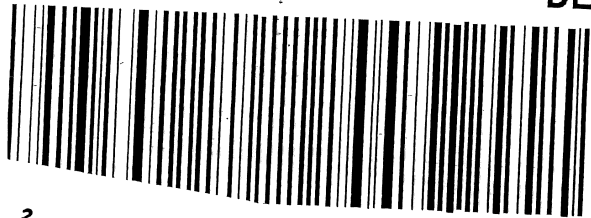
Shipments tendered on Friday are delivered on Saturday to most locations.

**FEDEX**  
180 4123 3045

THU - 21 SEP AA  
PRIORITY OVERNIGHT

80002  
CO-US  
DEN

LAAA



Environment Testing  
TestAmerica

2226254



280-181802 Waybill



**Expanded Billable Stamp**

Use only for shipments within the U.S. Saturday delivery available.

1 From See optional release signature below.  
ORDER: 00875545

DECLARED VALUE \$100  
PACKAGE WEIGHT

2 To Shipment will not be accepted if address below is altered.

SAMPLE RECEIVING  
EUROFINS DENVER  
4955 YARROW ST

**FedEx Priority Overnight®**

Next business morning by 10:30 a.m. Not available to all locations. Please consult the current FedEx Service Guide for specific commitments.

**NONREDEEMABLE**  
Please see back for declared value information and important terms and conditions.

**FedEx**  
TRK# 8180 4123 3056  
0667

THU - 21 SEP AA  
PRIORITY OVERNIGHT

80002  
CO-US  
DEN

XA LA

rofins

Environment Testing  
TestAmerica

2226257



990687 20 Sep 2023 DLHA-581G4/8835/C088

FORM ID 0067

SIGNATURE

DATE

Custody See / 20



Environment Testing  
TestAmerica

2226256

## Login Sample Receipt Checklist

Client: The Chemours Company FC, LLC

Job Number: 280-181802-1

**Login Number: 181802**

**List Number: 1**

**Creator: Little, Matthew L**

**List Source: Eurofins Denver**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	