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

502-569-2301 t
chemours.com

December 8, 2020

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 August 25, 2020, a Chemours representative collected groundwater samples from the inflow port (i.e., preceding the granular activated carbon [GAC] cylinders) connected to the clubhouse well (see Figure 1). The samples were submitted to TestAmerica 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 were replaced on October 7, 2020. A visual inspection of the system was conducted on October 7, 2020 after the cylinders 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 2021. If you have any questions or comments, please feel free to contact me by telephone at (812) 923-1136 or by email at Bradley.S.Nave@chemours.com.

Sincerely,

Bradley S. Nave
Chemours Corporate Remediation Group

Attachments: Table 1 - Historical Clubhouse Inflow Groundwater Sample Results
Figure 1 - Clubhouse Water System Flow Diagram
TestAmerica Laboratory Analytical Report

Cc: Phil Richard, WDNR
Cary E. Pooler, AECOM
Eric Schmidt, AECOM

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

Location ID		CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW
Date Sampled		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
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
NNOCs Target Analytes (µg/L)													
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
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
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
1-Methyl-4-Nitrobenzene (4-Nitrotoluene)	UG/L	--	--	--	--	--	--	<0.50	--	--	--	<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
2-Nitrotoluene	UG/L	--	--	--	--	--	--	<0.080	--	--	--	<0.019	<0.019
2- And 4-Nitrotoluene	UG/L	<0.024	--	<0.16	<0.16	<0.16	<0.16	--	<0.063	**0.18 J[1, A]**	<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
2,4,6-Trinitroxylene	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
Nitrobenzene	UG/L	<0.088	--	<0.088	<0.088	<0.088	<0.088	--	<0.088	<0.033[A]	<0.039	<0.049	<0.049
Nitroglycerin	UG/L	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	--	**0.044 J[1, A]**	--	--	--
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
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
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
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
NNOCs DNT Isomers (µg/L)													
2,3-Dinitrotoluene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	UG/L	<0.025	--	<0.017	<0.017	<0.017	<0.017	<0.030	<0.115	**0.13 J[1]**	<0.040	<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	**0.045 J[1]**	<0.039	<0.012	<0.012
3,4-Dinitrotoluene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--
3,5-Dinitrotoluene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--
NNOCs DNX Isomers (µg/L)													
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	--[A]	--	--[A]	--[A]	--[A]	--[A]	--[A]	--	--[A]	--	--	--
1,4-Dimethyl-2,6-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--
1,5-Dimethyl-2,3-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--
1,5-Dimethyl-2,4-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--
SVOCs (µg/L)													
Naphthalene	UG/L	--	--	--	--	--	--	--	--	<0.15	--	--	--
Anions (µg/L)													
Perchlorate	UG/L	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

NNOC = Nitroaromatic and Nitramine Organic Compounds

DNT = Dinitrotoluene

DNX = Dinitroxylene

SVOC = Semi Volatile Organic Compound

< = 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^1 = 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^H = 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.

^{A} = Results updated in 2019 to correct data entry errata identified in some pre-2003 results.

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

Note: Detections not observed in effluent samples

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

Location ID		CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW
Date Sampled		10/16/2001	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
Parameter Name	Report Units	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
NNOCs Target Analytes (µg/L)														
1,3,5-Trinitrobenzene	UG/L	<0.017	<0.025	<0.025	<0.025	<0.015	<0.018	--	<0.010	<0.016	<0.016	<0.016	<0.017	<0.017
1,3-Dinitrobenzene	UG/L	<0.020	<0.023	<0.023	<0.023	<0.014	<0.019	--	<0.011	<0.014	<0.013	<0.014	<0.014	<0.014
1-Methyl-3-Nitrobenzene (3-Nitrotoluene)	UG/L	<0.019	<0.027	<0.027	<0.027	<0.019	<0.064	--	<0.025	<0.024	<0.024	<0.024	<0.025	<0.025
1-Methyl-4-Nitrobenzene (4-Nitrotoluene)	UG/L	<0.019	<0.025	<0.025	<0.025	<0.018	<0.061	--	<0.026	<0.025	<0.025	<0.025	<0.026	<0.026
2-Amino-4,6-Dinitrotoluene	UG/L	<0.013	<0.036	<0.036	<0.036	<0.012	<0.017	--	<0.021	<0.020	<0.020	<0.020	<0.021	<0.021
2-Nitrotoluene	UG/L	<0.019	<0.026	<0.026	<0.026	<0.023	<0.057	--	<0.022	<0.021	<0.021	<0.021	<0.022	<0.022
2- And 4-Nitrotoluene	UG/L	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trinitrotoluene	UG/L	<0.049	<0.021	<0.021	<0.021	<0.015	<0.026	--	<0.022	<0.021	<0.021	<0.021	<0.022	<0.022
2,4,6-Trinitroxylene	UG/L	--	--	--	--	--	--	--	--	--	<0.011	<0.012	--	<0.012
4-Amino-2,6-Dinitrotoluene	UG/L	<0.017	<0.020	<0.020	<0.020	<0.015	<0.022	--	<0.019	<0.018	<0.018	<0.018	<0.019	<0.019
Nitrobenzene	UG/L	<0.049	<0.030	<0.030	<0.030	<0.039	<0.042	--	<0.045	<0.044	<0.043	<0.032	<0.033	<0.033
Nitroglycerin	UG/L	--	--	--	--	--	--	--	--	--	--	<0.043	<0.045	<0.045
HMX	UG/L	<0.022	<0.040	<0.040	<0.040	<0.016	<0.017	--	<0.019	<0.018	<0.018	<0.018	<0.019	<0.019
PETN	UG/L	<0.020	<0.051	<0.051	<0.051	<0.031	<0.038	--	<0.015	<0.017	<0.017	<0.017	<0.018	<0.018
RDX	UG/L	<0.028	<0.020	<0.020	<0.020	<0.012	<0.013	--	<0.021	<0.020	<0.020	<0.020	<0.021	<0.021
Tetryl	UG/L	<0.019	<0.024	<0.024	<0.024	<0.012	<0.017	--	<0.021	<0.020	<0.020	<0.020	<0.021	<0.021
NNOCs DNT Isomers (µg/L)														
2,3-Dinitrotoluene	UG/L	--	--	--	--	--	--	--	--	<0.015	<0.014	<0.014	--	<0.015
2,4-Dinitrotoluene	UG/L	<0.016	<0.026	<0.026	<0.026	<0.019	<0.038	--	<0.019	<0.018	<0.018	<0.018	--	<0.019
2,5-Dinitrotoluene	UG/L	--	--	--	--	--	--	--	--	--	<0.013	<0.014	--	<0.014
2,6-Dinitrotoluene	UG/L	<0.012	<0.022	<0.022	<0.022	<0.015	<0.037	--	<0.022	<0.021	<0.021	<0.021	--	<0.022
3,4-Dinitrotoluene	UG/L	--	--	--	--	--	--	--	--	<0.019	<0.019	<0.019	--	<0.020
3,5-Dinitrotoluene	UG/L	--	--	--	--	--	--	--	--	<0.033	<0.032	<0.033	--	<0.034
NNOCs DNX Isomers (µg/L)														
1,2-Dimethyl-3,4-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	--	--	<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	<0.39	--
1,2-Dimethyl-4,5-Dinitrobenzene	UG/L	--	--	--	--	--	--	--	--	--	--	<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	--	--[A]	--[A]	--	--	--	--	--	--	--	<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	--
SVOCs (µg/L)														
Naphthalene	UG/L	--	<0.78	<0.78	--	--	--	--	--	--	--	--	--	--
Anions (µg/L)														
Perchlorate	UG/L	--	--	--	--	--	--	<0.0022	--	--	--	--	--	--

Notes:

NNOC = Nitroaromatic and Nitramine Organic Compounds

DNT = Dinitrotoluene

DNX = Dinitroxylene

SVOC = Semi Volatile Organic Compound

< = 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^1 = 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^H = 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.

^{A} = Results updated in 2019 to correct data entry errata identified in some pre-2003 results.

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

Note: Detections not observed in effluent samples

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

Location ID		CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW	CLUB HOUSE-INFLOW
Date Sampled		8/4/2016*	11/30/2016	04/25/2017	06/06/2017	10/08/2018	08/21/2019	08/25/2020
Parameter Name	Report Units	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
NNOCs Target Analytes (µg/L)								
1,3,5-Trinitrobenzene	UG/L	<0.017	--	<0.016 UJ	<0.017	<0.018	<0.016	<0.016
1,3-Dinitrobenzene	UG/L	<0.014	--	<0.013 UJ	<0.014	<0.015	<0.013	<0.013
1-Methyl-3-Nitrobenzene (3-Nitrotoluene)	UG/L	<0.025	--	<0.024 UJ	<0.025	<0.027	<0.024	<0.024
1-Methyl-4-Nitrobenzene (4-Nitrotoluene)	UG/L	<0.026	--	<0.025 UJ	<0.025	<0.028	<0.025	<0.025
2-Amino-4,6-Dinitrotoluene	UG/L	<0.021	--	<0.020 UJ	<0.021	<0.022	<0.020	<0.020
2-Nitrotoluene	UG/L	<0.022	--	<0.021 UJ	<0.022	<0.023	<0.021	<0.021
2- And 4-Nitrotoluene	UG/L	--	--	--	--	--	--	--
2,4,6-Trinitrotoluene	UG/L	<0.022	--	<0.021 UJ	<0.022	<0.023	<0.021	<0.021
2,4,6-Trinitroxylene	UG/L	<0.012	--	<0.012 UJ	<0.012	<0.013	<0.011	<0.011
4-Amino-2,6-Dinitrotoluene	UG/L	<0.019	--	<0.018 UJ	<0.019	<0.020	<0.018	<0.018
Nitrobenzene	UG/L	<0.033	--	**0.072 J^{H}**	<0.032	<0.035	<0.031	<0.031
Nitroglycerin	UG/L	<0.044	--	<0.043 UJ	<0.044	<0.048	<0.016	<0.016
HMX	UG/L	<0.019	--	<0.018 UJ	<0.019	<0.020	<0.018	<0.018
PETN	UG/L	<0.018	--	<0.017 UJ	<0.018	<0.019	<0.017	<0.017
RDX	UG/L	<0.021	--	<0.020 UJ	<0.021	<0.022	<0.020	<0.020
Tetryl	UG/L	<0.021	--	<0.020 UJ	<0.021	<0.022	<0.020	<0.020
NNOCs DNT Isomers (µg/L)								
2,3-Dinitrotoluene	UG/L	<0.015	--	<0.014 UJ	<0.015	<0.016	<0.014	<0.014
2,4-Dinitrotoluene	UG/L	<0.019	--	<0.018 UJ	<0.019	<0.020	<0.018	<0.018
2,5-Dinitrotoluene	UG/L	<0.014	--	<0.013 UJ	<0.014	<0.015	<0.013	<0.013
2,6-Dinitrotoluene	UG/L	<0.022	--	<0.021 UJ	<0.022	<0.023	<0.021	<0.021
3,4-Dinitrotoluene	UG/L	<0.020	--	<0.019 UJ	<0.020	<0.021	<0.019	<0.019
3,5-Dinitrotoluene	UG/L	<0.034	--	<0.033 UJ	<0.033	<0.036	<0.032	<0.032
NNOCs DNX Isomers (µg/L)								
1,2-Dimethyl-3,4-Dinitrobenzene	UG/L	--	<0.23	<0.23	--	<0.25	<0.48	<0.23
1,2-Dimethyl-3,5-Dinitrobenzene	UG/L	--	<0.32	<0.32	--	<0.35	<0.66	<0.32
1,2-Dimethyl-3,6-Dinitrobenzene	UG/L	--	<0.40	<0.40	--	<0.43	<0.82	<0.39
1,2-Dimethyl-4,5-Dinitrobenzene	UG/L	--	<0.38	<0.38	--	<0.41	<0.78	<0.37
1,3-Dimethyl-2,4-Dinitrobenzene	UG/L	--	<0.44	<0.44	--	<0.48	<0.90	<0.43
1,3-Dimethyl-2,5-Dinitrobenzene	UG/L	--	<0.41	<0.41	--	<0.44	<0.84	<0.40
1,4-Dimethyl-2,3-Dinitrobenzene	UG/L	--	<0.37	<0.37	--	<0.40	<0.76	<0.36
1,4-Dimethyl-2,5-Dinitrobenzene	UG/L	--	<0.74	<0.74	--	<0.80	<1.5	<0.73
1,4-Dimethyl-2,6-Dinitrobenzene	UG/L	--	<0.22	<0.21	--	<0.23	<0.44	<0.21
1,5-Dimethyl-2,3-Dinitrobenzene	UG/L	--	<0.25	<0.25	--	<0.28	<0.52	<0.25
1,5-Dimethyl-2,4-Dinitrobenzene	UG/L	--	<0.26	<0.26	--	<0.29	<0.54	<0.26
SVOCs (µg/L)								
Naphthalene	UG/L	--	--	--	--	--	--	--
Anions (µg/L)								
Perchlorate	UG/L	--	--	--	--	--	--	--

Notes:

NNOC = Nitroaromatic and Nitramine Organic Compounds

DNT = Dinitrotoluene

DNX = Dinitroxylene

SVOC = Semi Volatile Organic Compound

< = 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^{1} = 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^{H} = 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.

^{A} = Results updated in 2019 to correct data entry errata identified in some pre-2003 results.

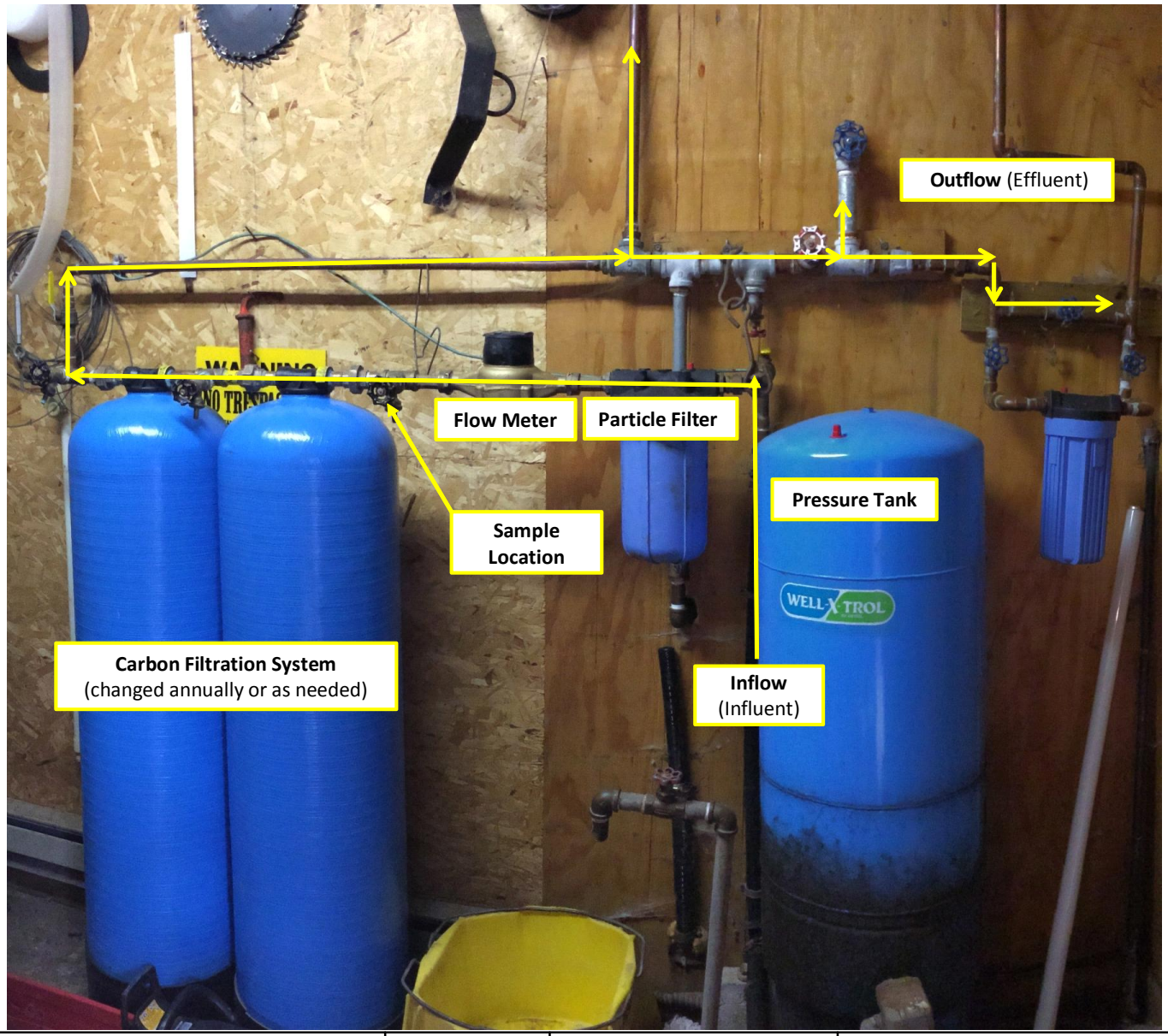
U: Analyte was analyzed, but not detected

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

Note: Detections not observed in effluent samples



Area Map (Optional)

FILE NUMBER:	
DESIGNED BY:	NS
DRAWN BY:	KJB
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:	60595142
DATE:	Dec 2020
FIGURE NUMBER:	1

O:\GIS\BAR_GIS\Map_Files\BrettingClubhouseLtr2016\Fig01_SystemDiagram.mxd

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Denver
4955 Yarrow Street
Arvada, CO 80002
Tel: (303)736-0100

Laboratory Job ID: 280-139875-1
Client Project/Site: BAR-Clubhouse Well Sampling 2020

For:
The Chemours Company FC, LLC
c/o AECOM
Sabre Building, Suite 300
4051 Ogletown Road
Newark, Delaware 19713

Attn: Sharon Nordstrom

Authorized for release by:
9/15/2020 10:00:29 AM

Michelle Johnston, Project Manager II
(303)736-0110
Michelle.Johnston@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Definitions/Glossary

Client: The Chemours Company FC, LLC
Job ID: 280-139875-1
Project/Site: BAR-Clubhouse Well Sampling 2020

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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

Job ID: 280-139875-1

Laboratory: Eurofins TestAmerica, Denver

Narrative

CASE NARRATIVE
Client: The Chemours Company FC, LLC
Project: BAR-Clubhouse Well Sampling 2020
Report Number: 280-139875-1

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 sample was received on 8/27/2020 9:20 AM; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.6º C.

No anomalies were observed during sample receipt.

Semivolatiles - Method 8270C DNX
Sample GW2020-CLUBHOUSE-INFLOW (280-139875-1) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 09/01/2020 and analyzed on 09/12/2020.

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

Explosives - Method 8321A
Sample GW2020-CLUBHOUSE-INFLOW (280-139875-1) was analyzed for explosives in accordance with EPA SW-846 Method 8321A. The samples were prepared on 09/01/2020 and analyzed on 09/08/2020.

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

Detection Summary

Client: The Chemours Company FC, LLC
Job ID: 280-139875-1
Project/Site: BAR-Clubhouse Well Sampling 2020

Client Sample ID: GW2020-CLUBHOUSE-INFLOW **Lab Sample ID: 280-139875-1**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Denver

Method Summary

Client: The Chemours Company FC, LLC
Job ID: 280-139875-1
Project/Site: BAR-Clubhouse Well Sampling 2020

Method	Method Description	Protocol	Laboratory
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL DEN
8321A	Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)	SW846	TAL DEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL DEN
3535	Solid-Phase Extraction (SPE)	SW846	TAL DEN

Protocol References:

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

Laboratory References:

TAL DEN = Eurofins TestAmerica, 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 2020

Job ID: 280-139875-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
280-139875-1	GW2020-CLUBHOUSE-INFLOW	Water	08/25/20 16:00	08/27/20 09:20	

Client: The Chemours Company FC, LLC
Project/Site: BAR-Clubhouse Well Sampling 2020

Job ID: 280-139875-1

Client Sample ID: GW2020-CLUBHOUSE-INFLOW

Lab Sample ID: 280-139875-1

Date Collected: 08/25/20 16:00

Matrix: Water

Date Received: 08/27/20 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dimethyl-3,4-Dinitrobenzene	0.23	U	4.8	0.23	ug/L		09/01/20 18:16	09/12/20 01:47	1
1,2-Dimethyl-3,5-Dinitrobenzene	0.32	U	4.8	0.32	ug/L		09/01/20 18:16	09/12/20 01:47	1
1,2-Dimethyl-3,6-Dinitrobenzene	0.39	U	4.8	0.39	ug/L		09/01/20 18:16	09/12/20 01:47	1
1,2-Dimethyl-4,5-Dinitrobenzene	0.37	U	4.8	0.37	ug/L		09/01/20 18:16	09/12/20 01:47	1
1,3-Dimethyl-2,4-Dinitrobenzene	0.43	U	4.8	0.43	ug/L		09/01/20 18:16	09/12/20 01:47	1
1,3-Dimethyl-2,5-Dinitrobenzene	0.40	U	4.8	0.40	ug/L		09/01/20 18:16	09/12/20 01:47	1
1,4-Dimethyl-2,3-Dinitrobenzene	0.36	U	4.8	0.36	ug/L		09/01/20 18:16	09/12/20 01:47	1
1,4-Dimethyl-2,5-Dinitrobenzene	0.73	U	9500	0.73	ug/L		09/01/20 18:16	09/12/20 01:47	1
1,4-Dimethyl-2,6-Dinitrobenzene	0.21	U	4.8	0.21	ug/L		09/01/20 18:16	09/12/20 01:47	1
1,5-Dimethyl-2,3-Dinitrobenzene	0.25	U	4.8	0.25	ug/L		09/01/20 18:16	09/12/20 01:47	1
1,5-Dimethyl-2,4-Dinitrobenzene	0.26	U	4.8	0.26	ug/L		09/01/20 18:16	09/12/20 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*87*		*48 - 135*	*09/01/20 18:16*	*09/12/20 01:47*	*1*
2-Fluorobiphenyl	*74*		*48 - 135*	*09/01/20 18:16*	*09/12/20 01:47*	*1*
2-Fluorophenol	*84*		*41 - 135*	*09/01/20 18:16*	*09/12/20 01:47*	*1*
Nitrobenzene-d5	*82*		*42 - 135*	*09/01/20 18:16*	*09/12/20 01:47*	*1*
Phenol-d5	*84*		*46 - 135*	*09/01/20 18:16*	*09/12/20 01:47*	*1*
Terphenyl-d14	*106*		*20 - 135*	*09/01/20 18:16*	*09/12/20 01:47*	*1*

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	0.016	U	0.095	0.016	ug/L		09/01/20 17:18	09/08/20 20:41	1
1,3-Dinitrobenzene	0.013	U	0.095	0.013	ug/L		09/01/20 17:18	09/08/20 20:41	1
2,3-Dinitrotoluene	0.014	U	0.095	0.014	ug/L		09/01/20 17:18	09/08/20 20:41	1
2,4,6-Trinitro-3-xylene	0.011	U	0.095	0.011	ug/L		09/01/20 17:18	09/08/20 20:41	1
2,4,6-Trinitrotoluene	0.021	U	0.095	0.021	ug/L		09/01/20 17:18	09/08/20 20:41	1
2,4-Dinitrotoluene	0.018	U	0.095	0.018	ug/L		09/01/20 17:18	09/08/20 20:41	1
2,5-Dinitrotoluene	0.013	U	0.095	0.013	ug/L		09/01/20 17:18	09/08/20 20:41	1
2,6-Dinitrotoluene	0.021	U	0.095	0.021	ug/L		09/01/20 17:18	09/08/20 20:41	1
2-Amino-4,6-dinitrotoluene	0.020	U	0.095	0.020	ug/L		09/01/20 17:18	09/08/20 20:41	1
2-Nitrotoluene	0.021	U	0.095	0.021	ug/L		09/01/20 17:18	09/08/20 20:41	1
3,4-Dinitrotoluene	0.019	U	0.095	0.019	ug/L		09/01/20 17:18	09/08/20 20:41	1
3,5-Dinitrotoluene	0.032	U	0.095	0.032	ug/L		09/01/20 17:18	09/08/20 20:41	1
3-Nitrotoluene	0.024	U	0.095	0.024	ug/L		09/01/20 17:18	09/08/20 20:41	1
4-Amino-2,6-dinitrotoluene	0.018	U	0.095	0.018	ug/L		09/01/20 17:18	09/08/20 20:41	1
4-Nitrotoluene	0.025	U	0.095	0.025	ug/L		09/01/20 17:18	09/08/20 20:41	1
HMX	0.018	U	0.095	0.018	ug/L		09/01/20 17:18	09/08/20 20:41	1
Nitrobenzene	0.031	U	0.095	0.031	ug/L		09/01/20 17:18	09/08/20 20:41	1
Nitroglycerin	0.016	U	0.13	0.016	ug/L		09/01/20 17:18	09/08/20 20:41	1
PETN	0.017	U	0.095	0.017	ug/L		09/01/20 17:18	09/08/20 20:41	1
RDX	0.020	U	0.095	0.020	ug/L		09/01/20 17:18	09/08/20 20:41	1
Tetryl	0.020	U	0.095	0.020	ug/L		09/01/20 17:18	09/08/20 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*77*		*48 - 130*	*09/01/20 17:18*	*09/08/20 20:41*	*1*

Surrogate Summary

Client: The Chemours Company FC, LLC
Job ID: 280-139875-1
Project/Site: BAR-Clubhouse Well Sampling 2020

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(48-135)	(48-135)	(41-135)	(42-135)	(46-135)	(20-135)
280-139871-B-1-A MS	Matrix Spike	94	87	91	90	95	112
280-139871-B-1-B MSD	Matrix Spike Duplicate	94	86	90	90	89	110
280-139875-1	GW2020-CLUBHOUSE-INFLOV	87	74	84	82	84	106
LCS 280-507626/2-A	Lab Control Sample	88	85	91	90	87	104
LCSD 280-507626/3-A	Lab Control Sample Dup	86	84	89	86	89	107
MB 280-507626/1-A	Method Blank	90	86	92	91	91	107

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHL = Terphenyl-d14

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		NBZ
Lab Sample ID	Client Sample ID	(48-130)
280-139871-A-1-B MS	Matrix Spike	89
280-139871-A-1-C MSD	Matrix Spike Duplicate	93
280-139875-1	GW2020-CLUBHOUSE-INFLOV	77
LCS 280-507587/2-A	Lab Control Sample	95
MB 280-507587/1-A	Method Blank	105

Surrogate Legend

NBZ = Nitrobenzene-d5

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

Lab Sample ID: MB 280-507626/1-A
Matrix: Water
Analysis Batch: 508822

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 507626

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dimethyl-3,4-Dinitrobenzene	0.24	U	5.0	0.24	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,2-Dimethyl-3,5-Dinitrobenzene	0.33	U	5.0	0.33	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,2-Dimethyl-3,6-Dinitrobenzene	0.41	U	5.0	0.41	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,2-Dimethyl-4,5-Dinitrobenzene	0.39	U	5.0	0.39	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,3-Dimethyl-2,4-Dinitrobenzene	0.45	U	5.0	0.45	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,3-Dimethyl-2,5-Dinitrobenzene	0.42	U	5.0	0.42	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,4-Dimethyl-2,3-Dinitrobenzene	0.38	U	5.0	0.38	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,4-Dimethyl-2,5-Dinitrobenzene	0.76	U	10000	0.76	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,4-Dimethyl-2,6-Dinitrobenzene	0.22	U	5.0	0.22	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,5-Dimethyl-2,3-Dinitrobenzene	0.26	U	5.0	0.26	ug/L		09/01/20 18:16	09/11/20 22:22	1
1,5-Dimethyl-2,4-Dinitrobenzene	0.27	U	5.0	0.27	ug/L		09/01/20 18:16	09/11/20 22:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*90*		*48 - 135*	*09/01/20 18:16*	*09/11/20 22:22*	*1*
2-Fluorobiphenyl	*86*		*48 - 135*	*09/01/20 18:16*	*09/11/20 22:22*	*1*
2-Fluorophenol	*92*		*41 - 135*	*09/01/20 18:16*	*09/11/20 22:22*	*1*
Nitrobenzene-d5	*91*		*42 - 135*	*09/01/20 18:16*	*09/11/20 22:22*	*1*
Phenol-d5	*91*		*46 - 135*	*09/01/20 18:16*	*09/11/20 22:22*	*1*
Terphenyl-d14	*107*		*20 - 135*	*09/01/20 18:16*	*09/11/20 22:22*	*1*

Lab Sample ID: LCS 280-507626/2-A
Matrix: Water
Analysis Batch: 508822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 507626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dimethyl-3,4-Dinitrobenzene	52.0	46.6		ug/L		90	50 - 135
1,2-Dimethyl-3,5-Dinitrobenzene	49.8	44.8		ug/L		90	50 - 135
1,2-Dimethyl-3,6-Dinitrobenzene	50.5	45.4		ug/L		90	50 - 135
1,2-Dimethyl-4,5-Dinitrobenzene	51.5	46.4		ug/L		90	50 - 135
1,3-Dimethyl-2,4-Dinitrobenzene	49.5	43.8		ug/L		89	50 - 135
1,3-Dimethyl-2,5-Dinitrobenzene	51.5	46.2		ug/L		90	50 - 135
1,4-Dimethyl-2,3-Dinitrobenzene	51.8	46.0		ug/L		89	50 - 135
1,4-Dimethyl-2,5-Dinitrobenzene	51.0	44.1	J	ug/L		86	50 - 135
1,4-Dimethyl-2,6-Dinitrobenzene	51.5	46.7		ug/L		91	50 - 135
1,5-Dimethyl-2,3-Dinitrobenzene	51.5	46.1		ug/L		90	50 - 135
1,5-Dimethyl-2,4-Dinitrobenzene	52.0	47.1		ug/L		91	50 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*88*		*48 - 135*
2-Fluorobiphenyl	*85*		*48 - 135*
2-Fluorophenol	*91*		*41 - 135*
Nitrobenzene-d5	*90*		*42 - 135*
Phenol-d5	*87*		*46 - 135*
Terphenyl-d14	*104*		*20 - 135*

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

Lab Sample ID: LCSD 280-507626/3-A
Matrix: Water
Analysis Batch: 508822

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 507626

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dimethyl-3,4-Dinitrobenzene			52.0	46.4		ug/L		89	50 - 135	0	30
1,2-Dimethyl-3,5-Dinitrobenzene			49.8	44.3		ug/L		89	50 - 135	1	30
1,2-Dimethyl-3,6-Dinitrobenzene			50.5	43.8		ug/L		87	50 - 135	3	30
1,2-Dimethyl-4,5-Dinitrobenzene			51.5	46.3		ug/L		90	50 - 135	0	30
1,3-Dimethyl-2,4-Dinitrobenzene			49.5	43.6		ug/L		88	50 - 135	0	30
1,3-Dimethyl-2,5-Dinitrobenzene			51.5	45.5		ug/L		88	50 - 135	1	30
1,4-Dimethyl-2,3-Dinitrobenzene			51.8	45.8		ug/L		88	50 - 135	0	30
1,4-Dimethyl-2,5-Dinitrobenzene			51.0	43.3	J	ug/L		85	50 - 135	2	30
1,4-Dimethyl-2,6-Dinitrobenzene			51.5	46.3		ug/L		90	50 - 135	1	30
1,5-Dimethyl-2,3-Dinitrobenzene			51.5	45.4		ug/L		88	50 - 135	1	30
1,5-Dimethyl-2,4-Dinitrobenzene			52.0	47.2		ug/L		91	50 - 135	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*86*		*48 - 135*
2-Fluorobiphenyl	*84*		*48 - 135*
2-Fluorophenol	*89*		*41 - 135*
Nitrobenzene-d5	*86*		*42 - 135*
Phenol-d5	*89*		*46 - 135*
Terphenyl-d14	*107*		*20 - 135*

Lab Sample ID: 280-139871-B-1-A MS
Matrix: Water
Analysis Batch: 508822

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 507626

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,2-Dimethyl-3,4-Dinitrobenzene	0.23	U	49.4	47.0		ug/L		95	50 - 135		
1,2-Dimethyl-3,5-Dinitrobenzene	0.31	U	47.2	45.4		ug/L		96	50 - 135		
1,2-Dimethyl-3,6-Dinitrobenzene	0.39	U	48.0	46.3		ug/L		97	50 - 135		
1,2-Dimethyl-4,5-Dinitrobenzene	0.37	U	48.9	46.8		ug/L		96	50 - 135		
1,3-Dimethyl-2,4-Dinitrobenzene	0.43	U	47.0	45.5		ug/L		97	50 - 135		
1,3-Dimethyl-2,5-Dinitrobenzene	0.40	U	48.9	47.9		ug/L		98	50 - 135		
1,4-Dimethyl-2,3-Dinitrobenzene	0.36	U	49.1	47.1		ug/L		96	50 - 135		
1,4-Dimethyl-2,5-Dinitrobenzene	0.72	U	48.4	45.3	J	ug/L		93	50 - 135		
1,4-Dimethyl-2,6-Dinitrobenzene	0.21	U	48.9	47.4		ug/L		97	50 - 135		
1,5-Dimethyl-2,3-Dinitrobenzene	0.25	U	48.9	46.3		ug/L		95	50 - 135		
1,5-Dimethyl-2,4-Dinitrobenzene	0.26	U	49.4	47.5		ug/L		96	50 - 135		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*94*		*48 - 135*
2-Fluorobiphenyl	*87*		*48 - 135*
2-Fluorophenol	*91*		*41 - 135*
Nitrobenzene-d5	*90*		*42 - 135*
Phenol-d5	*95*		*46 - 135*
Terphenyl-d14	*112*		*20 - 135*

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

Lab Sample ID: 280-139871-B-1-B MSD
Matrix: Water
Analysis Batch: 508822

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 507626

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dimethyl-3,4-Dinitrobenzene	0.23	U	49.6	46.9		ug/L		95	50 - 135	0	30
1,2-Dimethyl-3,5-Dinitrobenzene	0.31	U	47.5	45.2		ug/L		95	50 - 135	1	30
1,2-Dimethyl-3,6-Dinitrobenzene	0.39	U	48.2	45.8		ug/L		95	50 - 135	1	30
1,2-Dimethyl-4,5-Dinitrobenzene	0.37	U	49.2	47.2		ug/L		96	50 - 135	1	30
1,3-Dimethyl-2,4-Dinitrobenzene	0.43	U	47.3	44.5		ug/L		94	50 - 135	2	30
1,3-Dimethyl-2,5-Dinitrobenzene	0.40	U	49.2	46.6		ug/L		95	50 - 135	3	30
1,4-Dimethyl-2,3-Dinitrobenzene	0.36	U	49.4	46.7		ug/L		95	50 - 135	1	30
1,4-Dimethyl-2,5-Dinitrobenzene	0.72	U	48.7	44.6	J	ug/L		92	50 - 135	1	30
1,4-Dimethyl-2,6-Dinitrobenzene	0.21	U	49.2	46.7		ug/L		95	50 - 135	1	30
1,5-Dimethyl-2,3-Dinitrobenzene	0.25	U	49.2	45.5		ug/L		93	50 - 135	2	30
1,5-Dimethyl-2,4-Dinitrobenzene	0.26	U	49.6	47.1		ug/L		95	50 - 135	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*94*		*48 - 135*
2-Fluorobiphenyl	*86*		*48 - 135*
2-Fluorophenol	*90*		*41 - 135*
Nitrobenzene-d5	*90*		*42 - 135*
Phenol-d5	*89*		*46 - 135*
Terphenyl-d14	*110*		*20 - 135*

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS)

Lab Sample ID: MB 280-507587/1-A
Matrix: Water
Analysis Batch: 508393

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 507587

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	0.017	U	0.10	0.017	ug/L		09/01/20 17:18	09/08/20 17:29	1
1,3-Dinitrobenzene	0.014	U	0.10	0.014	ug/L		09/01/20 17:18	09/08/20 17:29	1
2,3-Dinitrotoluene	0.015	U	0.10	0.015	ug/L		09/01/20 17:18	09/08/20 17:29	1
2,4,6-Trinitro-3-xylene	0.012	U	0.10	0.012	ug/L		09/01/20 17:18	09/08/20 17:29	1
2,4,6-Trinitrotoluene	0.022	U	0.10	0.022	ug/L		09/01/20 17:18	09/08/20 17:29	1
2,4-Dinitrotoluene	0.019	U	0.10	0.019	ug/L		09/01/20 17:18	09/08/20 17:29	1
2,5-Dinitrotoluene	0.014	U	0.10	0.014	ug/L		09/01/20 17:18	09/08/20 17:29	1
2,6-Dinitrotoluene	0.022	U	0.10	0.022	ug/L		09/01/20 17:18	09/08/20 17:29	1
2-Amino-4,6-dinitrotoluene	0.021	U	0.10	0.021	ug/L		09/01/20 17:18	09/08/20 17:29	1
2-Nitrotoluene	0.022	U	0.10	0.022	ug/L		09/01/20 17:18	09/08/20 17:29	1
3,4-Dinitrotoluene	0.020	U	0.10	0.020	ug/L		09/01/20 17:18	09/08/20 17:29	1
3,5-Dinitrotoluene	0.034	U	0.10	0.034	ug/L		09/01/20 17:18	09/08/20 17:29	1
3-Nitrotoluene	0.025	U	0.10	0.025	ug/L		09/01/20 17:18	09/08/20 17:29	1
4-Amino-2,6-dinitrotoluene	0.019	U	0.10	0.019	ug/L		09/01/20 17:18	09/08/20 17:29	1
4-Nitrotoluene	0.026	U	0.10	0.026	ug/L		09/01/20 17:18	09/08/20 17:29	1
HMX	0.019	U	0.10	0.019	ug/L		09/01/20 17:18	09/08/20 17:29	1
Nitrobenzene	0.033	U	0.10	0.033	ug/L		09/01/20 17:18	09/08/20 17:29	1
Nitroglycerin	0.017	U	0.14	0.017	ug/L		09/01/20 17:18	09/08/20 17:29	1
PETN	0.018	U	0.10	0.018	ug/L		09/01/20 17:18	09/08/20 17:29	1
RDX	0.021	U	0.10	0.021	ug/L		09/01/20 17:18	09/08/20 17:29	1
Tetryl	0.021	U	0.10	0.021	ug/L		09/01/20 17:18	09/08/20 17:29	1

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) (Continued)

Lab Sample ID: MB 280-507587/1-A
Matrix: Water
Analysis Batch: 508393

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 507587

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	105		48 - 130	09/01/20 17:18	09/08/20 17:29	1

Lab Sample ID: LCS 280-507587/2-A
Matrix: Water
Analysis Batch: 508393

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 507587

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trinitrobenzene	0.500	0.509		ug/L		102	48 - 135
1,3-Dinitrobenzene	0.500	0.492		ug/L		98	64 - 122
2,3-Dinitrotoluene	0.500	0.589		ug/L		118	50 - 150
2,4,6-Trinitro-3-xylene	0.500	0.460		ug/L		92	50 - 150
2,4,6-Trinitrotoluene	0.500	0.597		ug/L		119	10 - 145
2,4-Dinitrotoluene	0.500	0.483		ug/L		97	55 - 117
2,5-Dinitrotoluene	0.500	0.505		ug/L		101	50 - 150
2,6-Dinitrotoluene	0.500	0.346		ug/L		69	54 - 123
2-Amino-4,6-dinitrotoluene	0.500	0.400		ug/L		80	47 - 134
2-Nitrotoluene	0.500	0.433		ug/L		87	25 - 127
3,4-Dinitrotoluene	0.501	0.507		ug/L		101	50 - 150
3,5-Dinitrotoluene	0.500	0.489		ug/L		98	50 - 150
3-Nitrotoluene	0.500	0.444		ug/L		89	18 - 123
4-Amino-2,6-dinitrotoluene	0.500	0.495		ug/L		99	50 - 139
4-Nitrotoluene	0.500	0.440		ug/L		88	27 - 128
HMX	0.500	0.538		ug/L		108	63 - 119
Nitrobenzene	0.500	0.461		ug/L		92	39 - 131
Nitroglycerin	0.500	0.506		ug/L		101	60 - 121
PETN	0.500	0.476		ug/L		95	46 - 151
RDX	0.500	0.537		ug/L		107	71 - 127
Tetryl	0.500	0.565		ug/L		113	15 - 134

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	95		48 - 130

Lab Sample ID: 280-139871-A-1-B MS
Matrix: Water
Analysis Batch: 508393

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 507587

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trinitrobenzene	0.016	U	0.474	0.480		ug/L		101	48 - 135
1,3-Dinitrobenzene	0.013	U	0.474	0.464		ug/L		98	64 - 122
2,3-Dinitrotoluene	0.014	U	0.474	0.492		ug/L		104	50 - 150
2,4,6-Trinitro-3-xylene	0.011	U	0.474	0.495		ug/L		104	50 - 150
2,4,6-Trinitrotoluene	0.021	U	0.474	0.548		ug/L		116	10 - 145
2,4-Dinitrotoluene	0.018	U	0.474	0.466		ug/L		98	55 - 117
2,5-Dinitrotoluene	0.013	U	0.474	0.417		ug/L		88	50 - 150
2,6-Dinitrotoluene	0.021	U	0.474	0.478		ug/L		101	54 - 123
2-Amino-4,6-dinitrotoluene	0.020	U	0.474	0.397		ug/L		84	47 - 134
2-Nitrotoluene	0.021	U	0.474	0.420		ug/L		89	25 - 127
3,4-Dinitrotoluene	0.019	U	0.475	0.447		ug/L		94	50 - 150

Method: 8321A - Nitroaromatic and Nitramine Compounds (Explosives) (LC/MS) (Continued)

Lab Sample ID: 280-139871-A-1-B MS
Matrix: Water
Analysis Batch: 508393

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 507587

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
3,5-Dinitrotoluene	0.032	U	0.474	0.459		ug/L		97	50 - 150
3-Nitrotoluene	0.024	U	0.474	0.443		ug/L		93	18 - 123
4-Amino-2,6-dinitrotoluene	0.018	U	0.474	0.431		ug/L		91	50 - 139
4-Nitrotoluene	0.025	U	0.474	0.446		ug/L		94	27 - 128
HMX	0.018	U	0.474	0.499		ug/L		105	63 - 119
Nitrobenzene	0.032	U	0.474	0.444		ug/L		94	39 - 131
Nitroglycerin	0.016	U	0.474	0.498		ug/L		105	60 - 121
PETN	0.017	U	0.474	0.448		ug/L		94	46 - 151
RDX	0.020	U	0.474	0.514		ug/L		108	71 - 127
Tetryl	0.020	U	0.474	0.556		ug/L		117	15 - 134

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5	*89*		*48 - 130*

Lab Sample ID: 280-139871-A-1-C MSD
Matrix: Water
Analysis Batch: 508393

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 507587

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3,5-Trinitrobenzene	0.016	U	0.476	0.503		ug/L		106	48 - 135	5	52
1,3-Dinitrobenzene	0.013	U	0.476	0.507		ug/L		107	64 - 122	9	30
2,3-Dinitrotoluene	0.014	U	0.476	0.456		ug/L		96	50 - 150	8	30
2,4,6-Trinitro-3-xylene	0.011	U	0.476	0.515		ug/L		108	50 - 150	4	30
2,4,6-Trinitrotoluene	0.021	U	0.476	0.540		ug/L		113	10 - 145	2	70
2,4-Dinitrotoluene	0.018	U	0.476	0.415		ug/L		87	55 - 117	12	27
2,5-Dinitrotoluene	0.013	U	0.476	0.545		ug/L		115	50 - 150	27	50
2,6-Dinitrotoluene	0.021	U	0.476	0.386		ug/L		81	54 - 123	21	46
2-Amino-4,6-dinitrotoluene	0.020	U	0.476	0.452		ug/L		95	47 - 134	13	52
2-Nitrotoluene	0.021	U	0.476	0.446		ug/L		94	25 - 127	6	67
3,4-Dinitrotoluene	0.019	U	0.476	0.472		ug/L		99	50 - 150	5	30
3,5-Dinitrotoluene	0.032	U	0.476	0.444		ug/L		93	50 - 150	3	30
3-Nitrotoluene	0.024	U	0.476	0.455		ug/L		96	18 - 123	3	75
4-Amino-2,6-dinitrotoluene	0.018	U	0.476	0.478		ug/L		100	50 - 139	10	68
4-Nitrotoluene	0.025	U	0.476	0.452		ug/L		95	27 - 128	1	70
HMX	0.018	U	0.476	0.539		ug/L		113	63 - 119	8	48
Nitrobenzene	0.032	U	0.476	0.465		ug/L		98	39 - 131	5	55
Nitroglycerin	0.016	U	0.476	0.561		ug/L		118	60 - 121	12	62
PETN	0.017	U	0.476	0.482		ug/L		101	46 - 151	7	79
RDX	0.020	U	0.476	0.522		ug/L		110	71 - 127	2	26
Tetryl	0.020	U	0.476	0.578		ug/L		121	15 - 134	4	58

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5	*93*		*48 - 130*

QC Association Summary

Client: The Chemours Company FC, LLC
Job ID: 280-139875-1
Project/Site: BAR-Clubhouse Well Sampling 2020

GC/MS Semi VOA

Prep Batch: 507626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-139875-1	GW2020-CLUBHOUSE-INFLOW	Total/NA	Water	3520C	
MB 280-507626/1-A	Method Blank	Total/NA	Water	3520C	
LCS 280-507626/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 280-507626/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
280-139871-B-1-A MS	Matrix Spike	Total/NA	Water	3520C	
280-139871-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3520C	

Analysis Batch: 508822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-139875-1	GW2020-CLUBHOUSE-INFLOW	Total/NA	Water	8270C	507626
MB 280-507626/1-A	Method Blank	Total/NA	Water	8270C	507626
LCS 280-507626/2-A	Lab Control Sample	Total/NA	Water	8270C	507626
LCSD 280-507626/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	507626
280-139871-B-1-A MS	Matrix Spike	Total/NA	Water	8270C	507626
280-139871-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270C	507626

LCMS

Prep Batch: 507587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-139875-1	GW2020-CLUBHOUSE-INFLOW	Total/NA	Water	3535	
MB 280-507587/1-A	Method Blank	Total/NA	Water	3535	
LCS 280-507587/2-A	Lab Control Sample	Total/NA	Water	3535	
280-139871-A-1-B MS	Matrix Spike	Total/NA	Water	3535	
280-139871-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3535	

Analysis Batch: 508393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-139875-1	GW2020-CLUBHOUSE-INFLOW	Total/NA	Water	8321A	507587
MB 280-507587/1-A	Method Blank	Total/NA	Water	8321A	507587
LCS 280-507587/2-A	Lab Control Sample	Total/NA	Water	8321A	507587
280-139871-A-1-B MS	Matrix Spike	Total/NA	Water	8321A	507587
280-139871-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	8321A	507587

Lab Chronicle

Client: The Chemours Company FC, LLC
Project/Site: BAR-Clubhouse Well Sampling 2020

Job ID: 280-139875-1

Client Sample ID: GW2020-CLUBHOUSE-INFLOW
Lab Sample ID: 280-139875-1
Date Collected: 08/25/20 16:00
Matrix: Water
Date Received: 08/27/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1047.2 mL	1 mL	507626	09/01/20 18:16	JNM	TAL DEN
Total/NA	Analysis	8270C		1			508822	09/12/20 01:47	MKW	TAL DEN
Total/NA	Prep	3535			1053.9 mL	5 mL	507587	09/01/20 17:18	KSA	TAL DEN
Total/NA	Analysis	8321A		1			508393	09/08/20 20:41	AGCM	TAL DEN

Client Sample ID: Method Blank
Lab Sample ID: MB 280-507587/1-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	507587	09/01/20 17:18	KSA	TAL DEN
Total/NA	Analysis	8321A		1			508393	09/08/20 17:29	AGCM	TAL DEN

Client Sample ID: Method Blank
Lab Sample ID: MB 280-507626/1-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	3520C			1000 mL	1 mL	507626	09/01/20 18:16	JNM	TAL DEN
Total/NA	Analysis	8270C		1			508822	09/11/20 22:22	MKW	TAL DEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 280-507587/2-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	507587	09/01/20 17:18	KSA	TAL DEN
Total/NA	Analysis	8321A		1			508393	09/08/20 18:01	AGCM	TAL DEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 280-507626/2-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	3520C			1000 mL	1 mL	507626	09/01/20 18:16	JNM	TAL DEN
Total/NA	Analysis	8270C		1			508822	09/11/20 22:52	MKW	TAL DEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 280-507626/3-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	3520C			1000 mL	1 mL	507626	09/01/20 18:16	JNM	TAL DEN
Total/NA	Analysis	8270C		1			508822	09/11/20 23:21	MKW	TAL DEN

Lab Chronicle

Client: The Chemours Company FC, LLC
Job ID: 280-139875-1
Project/Site: BAR-Clubhouse Well Sampling 2020

Client Sample ID: Matrix Spike
Lab Sample ID: 280-139871-A-1-B MS
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			1054.2 mL	5 mL	507587	09/01/20 17:18	KSA	TAL DEN
Total/NA	Analysis	8321A		1			508393	09/08/20 19:05	AGCM	TAL DEN

Client Sample ID: Matrix Spike Duplicate
Lab Sample ID: 280-139871-A-1-C MSD
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			1050.4 mL	5 mL	507587	09/01/20 17:18	KSA	TAL DEN
Total/NA	Analysis	8321A		1			508393	09/08/20 19:37	AGCM	TAL DEN

Client Sample ID: Matrix Spike
Lab Sample ID: 280-139871-B-1-A MS
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	3520C			1053.1 mL	1 mL	507626	09/01/20 18:16	JNM	TAL DEN
Total/NA	Analysis	8270C		1			508822	09/12/20 00:19	MKW	TAL DEN

Client Sample ID: Matrix Spike Duplicate
Lab Sample ID: 280-139871-B-1-B MSD
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	3520C			1047.6 mL	1 mL	507626	09/01/20 18:16	JNM	TAL DEN
Total/NA	Analysis	8270C		1			508822	09/12/20 00:48	MKW	TAL DEN

Laboratory References:

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

Accreditation/Certification Summary

Client: The Chemours Company FC, LLC
Job ID: 280-139875-1
Project/Site: BAR-Clubhouse Well Sampling 2020

Laboratory: Eurofins TestAmerica, Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-21
A2LA	ISO/IEC 17025	2907.01	10-31-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-08-21
Alaska (UST)	State	18-001	02-08-21
Arizona	State	AZ0713	12-20-20
Arkansas DEQ	State	19-047-0	06-01-21
California	State	2513	01-08-21
Connecticut	State	PH-0686	09-30-20
Florida	NELAP	E87667-57	07-01-21
Georgia	State	4025-011	01-09-21
Illinois	NELAP	2000172019-1	04-30-21
Iowa	State	IA#370	12-01-20
Kansas	NELAP	E-10166	04-30-21
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-21
Maine	State	2019011 (231)	03-03-21
Minnesota	NELAP	1788752	12-31-20
New Hampshire	NELAP	205319	04-29-21
New Jersey	NELAP	190002	06-30-21
New York	NELAP	59923	04-01-21
North Carolina (WW/SW)	State	358	12-31-20
North Dakota	State	R-034	01-08-21
Oklahoma	State	2018-006	09-01-21
Oregon	NELAP	4025-011	01-08-21
Pennsylvania	NELAP	013	07-31-21
South Carolina	State	72002001	01-08-21
Texas	NELAP	T104704183-19-17	09-30-20
US Fish & Wildlife	US Federal Programs	058448	08-01-21
USDA	US Federal Programs	P330-18-00099	03-26-21
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21
Virginia	NELAP	10490	06-14-21
Washington	State	C583-19	08-03-21
West Virginia DEP	State	354	11-30-20
Wyoming (UST)	A2LA	2907.01	10-31-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: ERIC SCHMIDT	Lab PM: Johnston, Michelle A	Carrier Tracking No(s): FEDEX 1926 7803 0066	COC No: 280-101214-26119.2
Client Contact: Sharon Nordstrom	Phone: (920) 621-3878	E-Mail: Michelle.Johnston@Eurofinset.com		Page: 1
Company: The Chemours Company FC, LLC				Job #: O+M 5074/9
Address: c/o AECOM Sabre Building, Suite 300 4051 Ogletown Road	Due Date Requested:			
City: Newark	TAT Requested (days): STANDARD			
State, Zip: DE, 19713	PO #: LBIO-67048/77201000-WH06-507975			
Phone: 302-781-5936(Tel)	WO #:			
Email: sharon.nordstrom@aecom.com	Project #: 28003388			
Project Name: BAR-Clubhouse Well Sampling 2020	SSOW#:			
Site: BARDSDALE				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8321A Nitro Organics (DuPont List + DNT Isomers + TNX)	8270C DNX spike list	Total Number of containers	Special Instructions/Note:
Preservation Code:					N	N				
GW2020-CLUBHOUSE-INFLOW	8/25/2020	1600	G	W	N	N	X	X		

280-139875 Chain of Custody

Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological				**Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)** ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months		
Deliverable Requested: I, II, III, IV, Other (specify)				Special Instructions/QC Requirements:		
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 8/19/20	Company	Received by:	Date/Time: 8-27-20 0920	Company EMA	
Relinquished by:	Date/Time: 8/26/2020 11:00	Company AECOM	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 5.8°C CF 11-0.2			

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: The Chemours Company FC, LLC

Job Number: 280-139875-1

Login Number: 139875
List Number: 1
Creator: Lubin, Julius C

List Source: Eurofins TestAmerica, Denver

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
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 <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	