NCDEQ Comment	Chemours Response
General Questions and Observations	Chemodis Response
DEQ requests any monthly sampling data be provided to the agency as it is generated, rather than waiting until the final report in September.	Data will be provided as received. The first set of data was provided in the quarterly report dated July 15, 2019, pursuant to Consent Order Paragraph 28.
There are no potential preferential pathways identified at the site, which may be useful for test design and developing an overall corrective-action strategy. Please provide any identified potential preferential pathways. There may be low hydraulic conductivity intervals in the subsurface that could be important considerations with respect to test design and implementation. o Vertical gradients may be present in low conductivity intervals. o Delivery of injectants may be limited by low conductivity intervals and overall subsurface heterogeneity.	The identification and assessment of potential preferential pathways is presently ongoing and will be incorporated in Chemours' planning for future consent order submittals and corrective action at the Site. Chemours acknowledges this fact and is conducting geological assessments and a pilot study to evaluate the presence of low permeability zones and their potential impacts on potential corrective actions.
Site-specific geochemical conditions may be important considerations for implementation and interpretation of test results. Please provide any available geochemical data for the site.	Chemours is assessing the geochemistry of waters to ensure corrective action approaches will be effective in achieving goals. The pre-injection sampling data from the Regeneis Phase 1 Pilot Study Verification wells was provided to NCDEQ on July 15, 2019. This data included hardness along with total and disolved calcium and organic carbon. This information is also being analyzed in post-injection samples (data pending). Geochemical data was collected at the proposed Old Outfall 002 collection point as part of the NPDES permit application submitted on July 11, 2019. The results for this 24-hour composite sample are attached.
Option 1: Capture and Treat Option 1 appears to address the perched and surficial aquifer but not the	Capture and treatment of the Old Outfall 002 dry weather flow will
Black Creek aquifer. How would Option 1 decrease the loading from this aquifer to meet the requirements of the Paragraph 12.e?	capture and treatment of the Old Outrain 602 dry Weather now will capture any groundwater that has discharged to the Old Outfall 002 before the capture point regardless of which aquifer it comes from.



NCDEQ Comment	Chemours Response
Option 2: Regenesis PlumeStop	
DEQ does not believe that enough information has been provided to determine if Option 2 would be an effective means of compliance with Paragraph 12.e of the Consent Order, i.e. would it achieve results that would be equivalent to or greater than treating dry weather flow at the Option B location with a PFAS removal efficiency of 99%.	Chemours acknowledges this comment and is performing a pilot study to better evaluate the potential for PlumeStop™ to help support corrective action at the Site.
Option 2 appears to address only the perched aquifer, but does not address the surficial aquifer or the Black Creek aquifer. How would Option 2 decrease the loading from these sources to meet the requirements of the Paragraph 12.e?	The PlumeStop™ pilot study is meant to evaluate application in a smaller area, i.e. the Perched Zone. If PlumeStop™ is selected as part of the corrective actions for Paragraph 12.e, it would be also applied to other aquifers as needed to provide performance equivalent to Option 1.
Option 2 should include monitoring for the full suite of PFAS in wells around the PlumeStop to better understand how it interacts with these chemicals and its efficacy.	Chemours is analyzing groundwater samples collected as part of the Pilot study using methods Table 3+ SOP and EPA 537. In addition to PFAS, Chemours is analyzing volatile organic compounds (VOCs), hardness, dissolved calcium, total calcium, and total organic carbon (TOC) to assess the groundwater geochemistry and how this may affect PFAS reductions by PlumeStop™.
DEQ requests that Chemours explain how Chemours will monitor for movement of PlumeStop in soils at the site over time to ensure that PlumeStop constituents are not migrating into surface waters.	PlumeStop™ is a colloidal suspension of activated carbon that adheres to soil particles after injection. After injection, when the likelihood of mobilized colloids is highest, monitoring is performed in downgradient performance monitoring wells to assess if PlumeStop™ colloids are present. Should colloid be present, Regenisis will add a product which immobilizes and terminates the colloidal suspension of PlumeStop™. Should Chemours propose PlumeStop™ as part of corrective actions at the Site, more detailed information regarding this topic will be provided.

NCDEQ Comment	Chemours Response
Option 2 would require an Injection Permit Application. A complete application would need to be submitted 60-90 days before implementation	Chemours appreciates DEQ noting this information.
with the following information:	
Injection zone	
Hydrogeologic Evaluation	
Injectant Information	
Injection Procedure	
Fracturing plan (if applicable)	
Well Construction Details	
Monitoring Plan	
Well Data Tabulation	
Maps and Cross section	
Option 3: Hydraulic Control	
	Chemours acknowledges this comment and is completing an additional
DEQ does not believe that enough information has been provided to	geological investigation at the Site. Chemours is also preparing a
determine if Option 3 would be an effective means of compliance with	numerical groundwater model, which is being constructed consistent
Paragraph 12.e of the Consent Order, i.e. would it achieve results that would	with the North Carolina Department of Environmental Quality's (NCDEQ)
be equivalent to or greater than treating dry weather flow at the Option B	2007 Groundwater Modeling Policy.
location with a PFAS removal efficiency of 99%.	
Option 3 appears to address the perched and surficial aquifer but not the	Any potential hydraulic control option performed as part of Paragraph
Black Creek aquifer. How would Option 3 decrease the loading from this	12.e will be designed to be as effective as capture and treatment of dry
aquifer to meet the requirements of the Paragraph 12.e?	weather flow at the capture location. If this requires reductions in the
	loading of Black Creek Aquifer flow, then this will be part of any
	potentially proposed action.
Option 3 would require a non-discharge groundwater remediation permit	Chemours acknowledges this comment. As noted earlier, Chemours is
application that includes information on hydraulic control and hydrogeology	preparing a numerical groundwater model to help quantitatively assess
that helps determine if the aquifer will accommodate the volumes of injected	this consideration should re-injection of groundwater be proposed as
water.	part of corrective actions at the Site.



NCDEQ Comment	Chemours Response
water injected into the aquifer at too high a volume and pressure could	Chemours acknowledges this comment. If this options is proposed as part of corrective actions at Site, this consideration will be addressed in detailed design phases of the project.
What levels of PFAS are proposed to be reinjected as part of the pump and treat system?	Chemours acknowledges this is an important consideration in a detailed design of this type of system. Should this type of approach be proposed as part of corrective actions at the Site, Chemours will include the consideration in the design to make sure the corrective action meets overall goals.



Attachment 1

24-Hour Influent Characterization Results Old Outfall 002 Option B Location (Proposed Dam)

24-Hour Influent Characterization Results Old Outfall 002 Option B Location (Proposed Dam) Attachment 1

product 2 (PFESA BP 2) product 4 (PFESA BP 4) product 5 (PFESA BP 5) product 6 (PFESA BP 6) SSA E Acid rdro-EVE Acid eFOSA -MeFOSE-M MP TP EtFOSAM EtFOSE-M //HOS 3,3,3-Tetrafluoro-2-(pentafluoroethoxy)propanoic acid (PEPA) S ECA B ECA G erfluoro-2-methoxyacetic acid (PFMOAA) erfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) erfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	0.38 0.31 0.38 0.82 < 0.015 Note (1) 0.034 0.19 < 0.035 < 0.11 Note (1) Note (1) < 0.037 < 0.060
product 2 (PFESA BP 2) product 4 (PFESA BP 4) product 5 (PFESA BP 5) product 6 (PFESA BP 6) ESA E Acid rdro-EVE Acid eFOSA -MeFOSE-M MP TP EtFOSAM EtFOSE-M //HOS 3,3,3-Tetrafluoro-2-(pentafluoroethoxy)propanoic acid (PEPA) S ECA B ECA G erfluoro-2-methoxyacetic acid (PFMOAA) erfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) erfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	0.31 0.38 0.82 < 0.015 Note (1) 0.034 0.19 < 0.035 < 0.11 Note (1) Note (1) < 0.037
product 4 (PFESA BP 4) product 5 (PFESA BP 5) product 6 (PFESA BP 6) SA E Acid dro-EVE Acid eFOSA -MeFOSE-M MP TP EtFOSAM EtFOSE-M //HOS 3,3,3-Tetrafluoro-2-(pentafluoroethoxy)propanoic acid (PEPA) S ECA B ECA G erfluoro-2-methoxyacetic acid (PFMOAA) erfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) erfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	0.38 0.82 < 0.015 Note (1) 0.034 0.19 < 0.035 < 0.11 Note (1) Note (1) < 0.037
product 5 (PFESA BP 5) product 6 (PFESA BP 6) SA E Acid Perose Acid	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	0.82 < 0.015 Note (1) 0.034 0.19 < 0.035 < 0.11 Note (1) Note (1) < 0.037
product 6 (PFESA BP 6) SA E Acid PE Acid PE Acid PEOSA PMEFOSE-M MP TP EtFOSAM EtFOSE-M /HOS 3,3,3-Tetrafluoro-2-(pentafluoroethoxy)propanoic acid (PEPA) SECA B ECA G Perfluoro-2-methoxyacetic acid (PFMOAA) Perfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) Perfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	< 0.015 Note (1) 0.034 0.19 < 0.035 < 0.11 Note (1) Note (1) < 0.037
FSA VE Acid Verdro-EVE Acid Verdro-EV	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	Note (1) 0.034 0.19 < 0.035 < 0.11 Note (1) Note (1) < 0.037
/E Acid /dro-EVE Acid /eFOSA -MeFOSE-M MP TP EtFOSAM EtFOSE-M //HOS 3,3,3-Tetrafluoro-2-(pentafluoroethoxy)propanoic acid (PEPA) S ECA B ECA G //fluoro-2-methoxyacetic acid (PFMOAA) //fluoro(3,5-dioxahexanoic) acid (PFO2HxA) //fluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) //fluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	μg/L μg/L μg/L μg/L μg/L μg/L μg/L	0.034 0.19 < 0.035 < 0.11 Note (1) Note (1) < 0.037
rdro-EVE Acid eFOSA -MeFOSE-M MP TP EtFOSAM EtFOSE-M /HOS 3,3,3-Tetrafluoro-2-(pentafluoroethoxy)propanoic acid (PEPA) S ECA B ECA G erfluoro-2-methoxyacetic acid (PFMOAA) erfluoro(3,5-dioxahexanoic) acid (PFO2HxA) erfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) erfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	μg/L μg/L μg/L μg/L μg/L μg/L	0.19 < 0.035 < 0.11 Note (1) Note (1) < 0.037
eFOSA -MeFOSE-M MP TP EtFOSAM EtFOSE-M /HOS 3,3,3-Tetrafluoro-2-(pentafluoroethoxy)propanoic acid (PEPA) S ECA B ECA G erfluoro-2-methoxyacetic acid (PFMOAA) erfluoro(3,5-dioxahexanoic) acid (PFO2HxA) erfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) erfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	μg/L μg/L μg/L μg/L μg/L	< 0.035 < 0.11 Note (1) Note (1) < 0.037
-MeFOSE-M MP TP EtFOSAM EtFOSE-M /HOS 3,3,3-Tetrafluoro-2-(pentafluoroethoxy)propanoic acid (PEPA) S ECA B ECA G erfluoro-2-methoxyacetic acid (PFMOAA) erfluoro(3,5-dioxahexanoic) acid (PFO2HxA) erfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) erfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	μg/L μg/L μg/L μg/L	< 0.11 Note (1) Note (1) < 0.037
TP EtFOSAM EtFOSE-M /HOS 3,3,3-Tetrafluoro-2-(pentafluoroethoxy)propanoic acid (PEPA) S ECA B ECA G erfluoro-2-methoxyacetic acid (PFMOAA) erfluoro(3,5-dioxahexanoic) acid (PFO2HxA) erfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) erfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	μg/L μg/L μg/L	Note (1) Note (1) < 0.037
EtFOSAM EtFOSE-M /HOS 3,3,3-Tetrafluoro-2-(pentafluoroethoxy)propanoic acid (PEPA) S ECA B ECA G erfluoro-2-methoxyacetic acid (PFMOAA) erfluoro(3,5-dioxahexanoic) acid (PFO2HxA) erfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) erfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	μg/L μg/L	Note (1) < 0.037
EtFOSE-M /HOS 3,3,3-Tetrafluoro-2-(pentafluoroethoxy)propanoic acid (PEPA) S ECA B ECA G rfluoro-2-methoxyacetic acid (PFMOAA) rfluoro(3,5-dioxahexanoic) acid (PFO2HxA) rfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) rfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	μg/L	< 0.037
EtFOSE-M /HOS 3,3,3-Tetrafluoro-2-(pentafluoroethoxy)propanoic acid (PEPA) S ECA B ECA G erfluoro-2-methoxyacetic acid (PFMOAA) erfluoro(3,5-dioxahexanoic) acid (PFO2HxA) erfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) erfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)		
/HOS 3,3,3-Tetrafluoro-2-(pentafluoroethoxy)propanoic acid (PEPA) S ECA B ECA G arfluoro-2-methoxyacetic acid (PFMOAA) arfluoro(3,5-dioxahexanoic) acid (PFO2HxA) arfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) arfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	μg/L	< 0.060
B,3,3-Tetrafluoro-2-(pentafluoroethoxy)propanoic acid (PEPA) S ECA B ECA G Influoro-2-methoxyacetic acid (PFMOAA) Influoro(3,5-dioxahexanoic) acid (PFO2HxA) Influoro(3,5,7-trioxaoctanoic) acid (PFO3OA) Influoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)		
ECA B ECA G rfluoro-2-methoxyacetic acid (PFMOAA) rfluoro(3,5-dioxahexanoic) acid (PFO2HxA) rfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) rfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	μg/L	0.78
ECA B ECA G Influoro-2-methoxyacetic acid (PFMOAA) Influoro(3,5-dioxahexanoic) acid (PFO2HxA) Influoro(3,5,7-trioxaoctanoic) acid (PFO3OA) Influoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	μg/L	1.9
erfluoro-2-methoxyacetic acid (PFMOAA) erfluoro(3,5-dioxahexanoic) acid (PFO2HxA) erfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) erfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	μg/L	< 0.046
erfluoro-2-methoxyacetic acid (PFMOAA) erfluoro(3,5-dioxahexanoic) acid (PFO2HxA) erfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) erfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	μg/L	< 0.060
rfluoro(3,5-dioxahexanoic) acid (PFO2HxA) rfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) rfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	μg/L	< 0.041
erfluoro(3,5,7-trioxaoctanoic) acid (PFO3OA) erfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	μg/L	85
rfluoro(3,5,7,9-tetraoxadecanoic) acid (PFO4DA)	μg/L	17
	μg/L	5.1
(1 /057044	μg/L	1.6
rfluoro(3,5,7,9,11-pentadodecanoic) acid (PFO5DA)	μg/L	0.58
rfluoro-2-methoxypropanoic acid (PMPA)	μg/L	5.4
F Acid	μg/L	Note (1)
EVE	μg/L	0.12
A Mod 537 MAX PFAS		
:2 fluorotelomer sulfonate (10:2 FTS)	μg/L	< 0.0026
2 fluorotelomer sulfonate (4:2 FTS)	μg/L	< 0.0026
2 fluorotelomer sulfonate (6:2 FTS)	1 0,	< 0.0017

Parameter	Units	Result
8:2 fluorotelomer sulfonate (8:2 FTS)	μg/L	< 0.0052
Perfluoro-2-propoxypropanoic acid (HFPO-DA; "Dimer Acid")	μg/L	6.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	μg/L	< 0.0026
N-ethylperfluoro-1-octanesulfonamide (NEtPFOSA)	μg/L	< 0.0079
2-(N-ethylperfluoro-1-octanesulfonamido) ethanol (NEtPFOSAE)	μg/L	< 0.0026
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	μg/L	< 0.0026
N-methylperfluoro-1-octanesulfonamide (NMePFOSA)	μg/L	< 0.0079
2-(N-methylperfluoro-1-octanesulfonamido) ethanol (NMePFOSAE)	μg/L	< 0.0026
Perfluorobutane Sulfonic Acid (PFBS)	μg/L	0.0013
Perfluorobutanoic Acid (PFBA)	μg/L	0.072
Perfluorodecane Sulfonic Acid (PFDS)	μg/L	< 0.0017
Perfluorodecanoic Acid (PFDA)	μg/L	< 0.0017
Perfluorododecane Sulfonic Acid (PFDoS)	μg/L	< 0.00087
Perfluorododecanoic Acid (PFDoA)	μg/L	< 0.0017
Perfluoroheptane Sulfonic Acid (PFHpS)	μg/L	< 0.0017
Perfluoroheptanoic Acid (PFHpA)	μg/L	0.024
Perfluorohexadecanoic Acid (PFHxDA)	μg/L	< 0.00087
Perfluorohexane Sulfonic Acid (PFHxS)	μg/L	< 0.0017
Perfluorohexanoic Acid (PFHxA)	μg/L	0.015
Perfluorononane Sulfonic Acid (PFNS)	μg/L	< 0.0017
Perfluorononanoic Acid (PFNA)	μg/L	0.0069
Perfluorooctadecanoic Acid (PFODA)	μg/L	< 0.0017
Perfluorooctane Sulfonamide (FOSA)	μg/L	< 0.0026
Perfluorooctane Sulfonic Acid (PFOS)	μg/L	0.0018
Perfluorooctanoic Acid (PFOA)	μg/L	0.028
Perfluoropentane Sulfonic Acid (PFPeS)	μg/L	< 0.0017
Perfluoropentanoic Acid (PFPeA)	μg/L	0.15
Perfluorotetradecanoic Acid (PFTeA)	μg/L	< 0.00087
Perfluorotridecanoic Acid (PFTriA)	μg/L	< 0.00087
Perfluoroundecanoic Acid (PFUnA)	μg/L	< 0.0017

Parameter	Units	Result
Conventional and Nonconventional Parameters		
Biochemical Oxygen Demand (BOD₅)	mg/L	< 2
Chemical Oxygen Demand (COD)	mg/L	< 12.8
Total Organic Carbon (TOC)	mg/L	1.1
Total Suspended Solids (TSS)	mg/L	10.4
Ammonia (NH ₃ -N)	mg/L as N	< 0.05
Certain Conventional and Nonconventional Pollutants		
Bromide	mg/L	< 1.3
Chlorine, total residual	mg/L	Not Measured ⁽¹⁾
Color	CP Units	< 5
Fecal Coliform	UNITS	Not Measured ⁽¹⁾
Fluoride	mg/L	< 0.25
Nitrate-nitrite	mg/L	0.29
Nitrogen, Total Organic	mg/L as N	Not Measured ⁽¹⁾
Oil and Grease	mg/L	< 1.4
Phosphorus, Total	mg/L as P	< 0.050
Sulfate	mg/L as SO ₄	71
Sulfide	mg/L as S	< 0.70
Sulfite	mg/L as SO₃	< 2
Surfactants (MBAS)	mg/L	< 0.040
Aluminum, Total	mg/L	8.1
Barium, Total	mg/L	0.052
Boron, Total	mg/L	0.14
Cobalt, Total	mg/L	0.17
Iron, Total	mg/L	11.7
Magnesium, Total	mg/L	1.95
Molybdenum, Total	mg/L	< 0.0020
Manganese, Total	mg/L	0.195
Tin, Total	mg/L	< 0.0070
Titanium, Total	mg/L	< 0.0020

Parameter	Units	Result
Certain Conventional and Nonconventional Pollutants (Continued)	
Radioactivity		
Alpha, Total	PCi/L	7.38
Beta, Total	PCi/L	6.79
Radium, Total	PCi/L	3.44
Radium 226, Total	PCi/L	< 0.373
Toxic Metals, Total Cyanide, and Total Phenols		
Antimony, Total	mg/L	< 0.0100
Arsenic, Total	mg/L	< 0.0160
Beryllium, Total	mg/L	0.0018
Cadmium, Total	mg/L	< 0.0010
Chromium, Total	mg/L	0.0094
Copper, Total	mg/L	0.0064
Lead, Total	mg/L	< 0.0060
Mercury, Total	μg/L	< 0.050
Nickel, Total	mg/L	0.0020
Selenium, Total	mg/L	< 0.0210
Silver, Total	mg/L	< 0.0050
Thallium, Total	mg/L	< 0.0140
Zinc, Total	mg/L	0.0368
Toxic Metals, Total Cyanide, and Total Phenols (Continued)		
Cyanide, Total	mg/L	< 0.0050
Phenols, Total	mg/L	< 0.010
Organic Toxic Pollutants (GC/MS Fraction – Volatile Compounds)		
Acrolein	μg/L	< 3
Acrylonitrile	μg/L	< 0.5
Benzene	μg/L	< 0.2
Bromoform	μg/L	< 0.5
Carbon Tetrachloride	μg/L	< 0.2

Parameter	Units	Result
Organic Toxic Pollutants (GC/MS Fraction – Volatile Compounds) (Continued)		
Chlorobenzene	μg/L	< 0.2
Chromodibromomethane	μg/L	< 0.3
Chloroethane	μg/L	< 0.3
2-Chloroethylvinyl ether	μg/L	< 0.1
Chloroform	μg/L	< 0.2
Dichlorobromomethane	μg/L	< 0.3
1,1-Dichloroethane	μg/L	< 0.2
1,2-Dichloroethane	μg/L	< 0.2
1,1-Dichloroethylene	μg/L	< 0.2
1,2-Dichloropropane	μg/L	< 0.2
1,3-Dichloropropylene	μg/L	< 0.2
Ethylbenzene	μg/L	< 0.1
Methyl bromide	μg/L	< 0.4
Methyl chloride	μg/L	< 0.3
Methylene chloride	μg/L	< 0.3
1,1,2,2-Tetrachloroethane	μg/L	< 0.2
Tetrachloroethylene	μg/L	< 0.2
Toluene	μg/L	< 0.1
1,2-trans-dichloroethylene	μg/L	< 0.2
1,1,1-Trichloroethane	μg/L	< 0.2
1,1,2-Trichloroethane	μg/L	< 0.2
Trichloroethylene	μg/L	< 0.1
Vinyl Chloride	μg/L	< 0.4
Organic Toxic Pollutants (GC/MS Fraction – Acid Fraction)		
2-Chlorophenol	μg/L	< 0.3
2,4-Dichlorophenol	μg/L	< 0.3
2,4-Dimethylphenol	μg/L	< 0.3
4,6-Dinitro-o-Cresol	μg/L	< 4

Parameter	Units	Result
Organic Toxic Pollutants (GC/MS Fraction – Acid Fraction) (Continued)		
2,4-Dinitrophenol	μg/L	< 10
2-Nitrophenol	μg/L	< 0.4
4-Nitrophenol	μg/L	< 5
p-Chloro-m-cresol	μg/L	< 0.3
Pentachlorophenol	μg/L	< 3
Phenol	μg/L	< 0.4
2,4-6-Trichlorophenol	μg/L	< 0.7
Organic Toxic Pollutants (GC/MS Fraction – Base/Neutral Compou	ınds)	
Acenaphthene	μg/L	< 0.3
Acenaphthylene	μg/L	< 0.3
Anthracene	μg/L	< 0.2
Benzidene	μg/L	< 20
Benzo(a)anthracene	μg/L	< 0.2
Benzo(a)pyrene	μg/L	< 0.3
3,4-Benzofluoranthene	μg/L	< 0.3
Benzo(g,h,i)perylene	μg/L	< 0.2
Benzo(k)fluoranthene	μg/L	< 0.3
Bis (2-chloroethoxy)methane	μg/L	< 0.5
Bis (2-chloroethyl)ether	μg/L	< 0.4
Bis (2-chloroisopropyl)ether	μg/L	< 0.3
Bis (2-ethylhexyl)phthalate	μg/L	< 1
4-Bromophenyl phenyl ether	μg/L	< 0.3
Butyl Benzyl Phthalate	μg/L	< 0.8
2-Chloronaphthalene	μg/L	< 0.6
4-Chlorophenyl Phenyl Ether	μg/L	< 0.3
Chrysene	μg/L	< 0.2
Dibenzo(a,h)anthracene	μg/L	< 0.4
1,2-Dichlorobenzene	μg/L	< 0.5
1,3-Dichlorobenzene	μg/L	< 0.5

Parameter	Units	Result
Organic Toxic Pollutants (GC/MS Fraction – Base/Neutral Compounds) (Continued)		
1,4-Dichlorobenzene	μg/L	< 0.5
3,3'-Dichlorobenzidene	μg/L	< 0.8
Diethyl Phthalate	μg/L	< 0.3
Dimethyl Phthalate	μg/L	< 1
Di-n-butyl Phthalate	μg/L	< 0.5
2,4-Dinitrotoluene	μg/L	< 0.4
2,6-Dinitrotoluene	μg/L	< 0.3
Di-n-octyl-phthalate	μg/L	< 0.5
1,2-Diphenylhydrazine	μg/L	< 0.2
Fluoranthene	μg/L	< 0.3
Fluorene	μg/L	< 0.3
Fluorene	μg/L	< 0.3
Hexachlorobenzene	μg/L	< 1
Hexachlorobutadiene	μg/L	< 0.8
Hexachlorocyclopentadiene	μg/L	< 2
Hexachloroethane	μg/L	< 0.4
Indeno(1,2,3-cd)pyrene	μg/L	< 0.3
Isophorone	μg/L	< 0.3
Naphthalene	μg/L	< 0.2
Nitrobenzene	μg/L	< 0.5
N-nitrosodimethylamine	μg/L	< 2
N-nitrosodi-n-propylamine	μg/L	< 0.4
N-nitrosodiphenylamine	μg/L	< 0.3
Phenanthrene	μg/L	< 0.2
Pyrene	μg/L	< 0.2
1,2-4-Trichlorobenzene	μg/L	< 0.3

Parameter	Units	Result
Organic Toxic Pollutants (GC/MS Fraction – Pesticides)		
Aldrin	μg/L	< 0.00504
α-BHC	μg/L	< 0.0121
β-внс	μg/L	< 0.0464
γ-BHC (Lindane)	μg/L	< 0.00524
δ-ΒΗС	μg/L	< 0.0111
Chlordane	μg/L	< 0.234
4,4'-DDT	μg/L	< 0.0101
4,4'-DDE	μg/L	< 0.0202
4,4'-DDD	μg/L	< 0.00907
Dieldrin	μg/L	< 0.00807
α-Endosulfan	μg/L	< 0.00302
β-Endosulfan	μg/L	< 0.00988
Endosulfan Sulfate	μg/L	< 0.0101
Endrin	μg/L	< 0.00907
Endrin Aldehyde	μg/L	< 0.00917
Heptachlor	μg/L	< 0.00807
Heptachlor Epoxide	μg/L	< 0.00504
PCB-1242	μg/L	< 0.0746
PCB-1254	μg/L	< 0.0746
PCB-1221	μg/L	< 0.0746
PCB-1232	μg/L	< 0.0746
PCB-1248	μg/L	< 0.0746
PCB-1260	μg/L	< 0.0746
PCB-1016	μg/L	< 0.0746
Toxaphene	μg/L	< 0.358
Dioxins		
2,3,7,8-TCDD	pg/L	< 0.24

Note 1 – PFAS compounds PPF Acid, DFSA, MMF and MTP are presently undergoing analytical methods development and therefore data for these compounds are not reported here.