C54 PFAS IN SOIL

1.0 Sample Reception

1.1 All breakages and shortages must be reported within 24 hours of sample receipt.

1.2 Store samples at 4±2°C upon receipt.

1.3 Check that all the parameters for which you are registered are correctly identified in the PTC portal.

1.4 Inquiries regarding samples and their shipment may be directed to:

PT Non-conformances
Phenova
Tel: (303) 940-0033
Email: AndreaLg@phenova.com

cc: PT Canada Program Officer
email: programofficer@PTcanada.org
cc: Nadine Lewis, PTC Executive Director
email: nlewis@PTcanada.org

Inquiries should be made by email. When reporting damage upon receipt, please provide a picture of the damaged samples. Please include your PT Canada laboratory number on all correspondence.

2.0 Sample Analysis

2.1 Refer to the PTC Catalogue for approximate sample concentrations.

2.2 Provided with >1mL spiking solution in methanol in a 2mL amber ampoule; and 30g blank soil in sealed 20mL ampoule.

2.3 Assume zero percent moisture for the soil for calculations.

2.4 Transfer 10g of the blank soil into your extraction apparatus. Use a gas tight syringe to transfer 50µL of the spiking solution onto the 10g blank soil. Extract and proceed with testing using the routine analytical method identified in your PT Canada application.

2.5 Each sample contains random selection percentage of analytes with at least 60% of the PFAS analytes in each sample. All analytes are covered per PT Study. Please see the list of PFS analytes below.

3.0 Reporting Results

3.1 Results must be reported by midnight of the study deadline in the PTC portal.

3.2 Report RDL (optional) if you want RDL accounted for in z scores.

4.0 Safety

4.1 The PT samples are designed for use by laboratory professionals familiar with environmental samples and potentially hazardous materials.

PFAS, EPA 1633 Analyte List (40 Analytes)

Analyte Description	CAS Number
Perfluorobutanoic acid (PFBA)	375-22-4
Perfluoropentanoic acid (PFPeA)	2706-90-3
Perfluorohexanoic acid (PFHxA)	307-24-4
Perfluoroheptanoic acid (PFHpA)	375-85-9
Perfluorooctanoic acid (PFOA)	335-67-1
Perfluorononanoic acid (PFNA)	375-95-1
Perfluorodecanoic acid (PFDA)	335-76-2
Perfluoroundecanoic acid (PFUnA)	2058-94-8
Perfluorododecanoic acid (PFDoA)	307-55-1
Perfluorotridecanoic acid (PFTriA)	72629-94-8
Perfluorotetradecanoic acid (PFTeA)	376-06-7
Perfluorobutanesulfonic acid (PFBS)	375-73-5
Perfluoropentanesulfonic acid (PFPeS)	2706-91-4
Perfluorohexanesulfonic acid (PFHxS)	355-46-4
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8
Perfluorooctanesulfonic acid (PFOS)	1763-23-1
Perfluorononanesulfonic acid (PFNS)	68259-12-1
Perfluorodecanesulfonic acid (PFDS)	335-77-3
Perfluorododecanesulfonic acid (PFDoS)	79780-39-5
Perfluorooctanesulfonamide (FOSA)	754-91-6
NMeFOSAA	2355-31-9

NEtFOSAA	2991-50-6
4:2 FTS	757124-72-4
6:2 FTS	27619-97-2
8:2 FTS	39108-34-4
NEtFOSA	4151-50-2
NMeFOSA	31506-32-8
NMeFOSE	24448-09-7
NEtFOSE	1691-99-2
9Cl-PF3ONS	756426-58-1
HFPO-DA (GenX)	13252-13-6
11Cl-PF3OUdS	763051-92-9
ADONA	919005-14-4
3:3 FTCA	356-02-5
5:3 FTCA	914637-49-3
7:3 FTCA	812-70-4
NFDHA	151772-58-6
PFMBA	863090-89-5
PFMPA	377-73-1
PFEESA	113507-82-7