

"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "375-73-5", "PFBS", "2.43", "ng/L", "U", "0.871", "LOD", "", "TRG", "", "", "3.89", "LOQ", "YES", "-99", "", "0.257", "0.001", "2.43", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "307-24-4", "PFHxA", "9.84", "ng/L", "", "1.06", "LOD", "", "TRG", "", "", "3.89", "LOQ", "YES", "-99", "", "0.257", "0.001", "2.43", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "375-85-9", "PFHpA", "19.7", "ng/L", "", "0.288", "LOD", "", "TRG", "", "", "3.89", "LOQ", "YES", "-99", "", "0.257", "0.001", "2.43", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "355-46-4", "PFHxS", "0.761", "ng/L", "J", "0.461", "LOD", "", "TRG", "", "", "3.89", "LOQ", "YES", "-99", "", "0.257", "0.001", "2.43", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "335-67-1", "PFOA", "28.9", "ng/L", "", "0.317", "LOD", "", "TRG", "", "", "3.89", "LOQ", "YES", "-99", "", "0.257", "0.001", "2.43", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "1763-23-1", "PFOS", "2.67", "ng/L", "J", "0.393", "LOD", "", "TRG", "", "", "3.89", "LOQ", "YES", "-99", "", "0.257", "0.001", "2.43", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Dilution", "1701953-01", "Vista", "375-95-1", "PFNA", "790", "ng/L", "D", "1.97", "LOD", "", "TRG", "", "", "19.5", "LOQ", "YES", "-99", "", "0.257", "0.001", "12.2", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "335-76-2", "PFDA", "15.4", "ng/L", "", "0.725", "LOD", "", "TRG", "", "", "3.89", "LOQ", "YES", "-99", "", "0.257", "0.001", "2.43", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "2355-31-9", "MeFOSAA", "2.43", "ng/L", "U", "0.803", "LOD", "", "TRG", "", "", "3.89", "LOQ", "YES", "-99", "", "0.257", "0.001", "2.43", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Dilution", "1701953-01", "Vista", "2058-94-8", "PFUnA", "372", "ng/L", "D", "5.11", "LOD", "", "TRG", "", "", "38.9", "LOQ", "YES", "-99", "", "0.257", "0.001", "24.3", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "2991-50-6", "EtFOSAA", "2.43", "ng/L", "U", "0.667", "LOD", "", "TRG", "", "", "3.89", "LOQ", "YES", "-99", "", "0.257", "0.001", "2.43", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "307-55-1", "PFDoA", "2.43", "ng/L", "U", "0.386", "LOD", "", "TRG", "", "", "3.89", "LOQ", "YES", "-99", "", "0.257", "0.001", "2.43", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "72629-94-8", "PFTTrDA", "2.43", "ng/L", "U", "0.240", "LOD", "", "TRG", "", "", "3.89", "LOQ", "YES", "-99", "", "0.257", "0.001", "2.43", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "376-06-7", "PFTeDA", "2.43", "ng/L", "U", "0.368", "LOD", "", "TRG", "", "", "3.89", "LOQ", "YES", "-99", "", "0.257", "0.001", "2.43", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "13C3-PFBS", "13C3-PFBS", "113", "%R", "", "-99", "NA", "", "IS", "113", "", "-99", "NA", "YES", "100", "", "0.257", "0.001", "-99", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "13C2-PFHxA", "13C2-PFHxA", "95.6", "%R", "", "-99", "NA", "", "IS", "95.6", "", "-99", "NA", "YES", "100", "", "0.257", "0.001", "-99", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "13C4-PFHpA", "13C4-PFHpA", "100", "%R", "", "-99", "NA", "", "IS", "100", "", "-99", "NA", "YES", "100", "", "0.257", "0.001", "-99", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "18O2-PFHxS", "18O2-PFHxS", "95.7", "%R", "", "-99", "NA", "", "IS", "95.7", "", "-99", "NA", "YES", "100", "", "0.257", "0.001", "-99", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "13C2-PFOA", "13C2-PFOA", "93.3", "%R", "", "-99", "NA", "", "IS", "93.3", "", "-99", "NA", "YES", "100", "", "0.257", "0.001", "-99", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "13C8-PFOS", "13C8-PFOS", "112", "%R", "", "-99", "NA", "", "IS", "112", "", "-99", "NA", "YES", "100", "", "0.257", "0.001", "-99", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Dilution", "1701953-01", "Vista", "13C5-PFNA", "13C5-PFNA", "76.1", "%R", "D", "-99", "NA", "", "IS", "76.1", "", "-99", "NA", "YES", "100", "", "0.257", "0.001", "-99", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "13C2-PFDA", "13C2-PFDA", "121", "%R", "", "-99", "NA", "", "IS", "121", "", "-99", "NA", "YES", "100", "", "0.257", "0.001", "-99", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "d3-MeFOSAA", "d3-MeFOSAA", "111", "%R", "", "-99", "NA", "", "IS", "111", "", "-99", "NA", "YES", "100", "", "0.257", "0.001", "-99", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Dilution", "1701953-01", "Vista", "13C2-PFUnA", "13C2-PFUnA", "78.2", "%R", "D", "-99", "NA", "", "IS", "78.2", "", "-99", "NA", "YES", "100", "", "0.257", "0.001", "-99", ""

"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "d5-EtFOSAA", "d5-

EtFOSAA", "118", "%R", "", "-99", "NA", "", "IS", "118", "", "-99", "NA", "YES", "100", "", "0.257", "0.001", "-99", ""
"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "13C2-PFDoA", "13C2-
PFDoA", "63.3", "%R", "", "-99", "NA", "", "IS", "63.3", "", "-99", "NA", "YES", "100", "", "0.257", "0.001", "-99", ""
"CV-Dup09-20171213", "Modified EPA Method 537", "Initial", "1701953-01", "Vista", "13C2-PFTeDA", "13C2-
PFTeDA", "86.2", "%R", "", "-99", "NA", "", "IS", "86.2", "", "-99", "NA", "YES", "100", "", "0.257", "0.001", "-99", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "375-73-
5", "PFBS", "2.65", "ng/L", "U", "0.947", "LOD", "", "TRG", "", "", "4.23", "LOQ", "YES", "-99", "", "0.236", "0.001", "2.65", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "307-24-
4", "PFHxA", "2.65", "ng/L", "U", "1.15", "LOD", "", "TRG", "", "", "4.23", "LOQ", "YES", "-99", "", "0.236", "0.001", "2.65", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "375-85-
9", "PFHpA", "2.65", "ng/L", "U", "0.313", "LOD", "", "TRG", "", "", "4.23", "LOQ", "YES", "-99", "", "0.236", "0.001", "2.65", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "355-46-
4", "PFHxS", "2.65", "ng/L", "U", "0.501", "LOD", "", "TRG", "", "", "4.23", "LOQ", "YES", "-99", "", "0.236", "0.001", "2.65", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "335-67-
1", "PFOA", "2.65", "ng/L", "U", "0.344", "LOD", "", "TRG", "", "", "4.23", "LOQ", "YES", "-99", "", "0.236", "0.001", "2.65", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "1763-23-
1", "PFOS", "0.437", "ng/L", "J", "0.427", "LOD", "", "TRG", "", "", "4.23", "LOQ", "YES", "-99", "", "0.236", "0.001", "2.65", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "375-95-
1", "PFNA", "2.65", "ng/L", "U", "0.429", "LOD", "", "TRG", "", "", "4.23", "LOQ", "YES", "-99", "", "0.236", "0.001", "2.65", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "335-76-
2", "PFDA", "2.65", "ng/L", "U", "0.788", "LOD", "", "TRG", "", "", "4.23", "LOQ", "YES", "-99", "", "0.236", "0.001", "2.65", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "2355-31-
9", "MeFOSAA", "2.65", "ng/L", "U", "0.873", "LOD", "", "TRG", "", "", "4.23", "LOQ", "YES", "-99", "", "0.236", "0.001", "2.65", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "2058-94-
8", "PFUnA", "2.65", "ng/L", "U", "0.556", "LOD", "", "TRG", "", "", "4.23", "LOQ", "YES", "-99", "", "0.236", "0.001", "2.65", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "2991-50-
6", "EtFOSAA", "2.65", "ng/L", "U", "0.725", "LOD", "", "TRG", "", "", "4.23", "LOQ", "YES", "-99", "", "0.236", "0.001", "2.65", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "307-55-
1", "PFDoA", "2.65", "ng/L", "U", "0.419", "LOD", "", "TRG", "", "", "4.23", "LOQ", "YES", "-99", "", "0.236", "0.001", "2.65", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "72629-94-
8", "PFTrDA", "2.65", "ng/L", "U", "0.261", "LOD", "", "TRG", "", "", "4.23", "LOQ", "YES", "-99", "", "0.236", "0.001", "2.65", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "376-06-
7", "PFTeDA", "2.65", "ng/L", "U", "0.399", "LOD", "", "TRG", "", "", "4.23", "LOQ", "YES", "-99", "", "0.236", "0.001", "2.65", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "13C3-PFBS", "13C3-
PFBS", "127", "%R", "", "-99", "NA", "", "IS", "127", "", "-99", "NA", "YES", "100", "", "0.236", "0.001", "-99", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "13C2-PFHxA", "13C2-
PFHxA", "96.7", "%R", "", "-99", "NA", "", "IS", "96.7", "", "-99", "NA", "YES", "100", "", "0.236", "0.001", "-99", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "13C4-PFHpA", "13C4-
PFHpA", "98.5", "%R", "", "-99", "NA", "", "IS", "98.5", "", "-99", "NA", "YES", "100", "", "0.236", "0.001", "-99", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "18O2-PFHxS", "18O2-
PFHxS", "87.8", "%R", "", "-99", "NA", "", "IS", "87.8", "", "-99", "NA", "YES", "100", "", "0.236", "0.001", "-99", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "13C2-PFOA", "13C2-
PFOA", "76.5", "%R", "", "-99", "NA", "", "IS", "76.5", "", "-99", "NA", "YES", "100", "", "0.236", "0.001", "-99", ""
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PFOS", "105", "%R", "", "-99", "NA", "", "IS", "105", "", "-99", "NA", "YES", "100", "", "0.236", "0.001", "-99", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "13C5-PFNA", "13C5-
PFNA", "95.5", "%R", "", "-99", "NA", "", "IS", "95.5", "", "-99", "NA", "YES", "100", "", "0.236", "0.001", "-99", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "13C2-PFDA", "13C2-
PFDA", "124", "%R", "", "-99", "NA", "", "IS", "124", "", "-99", "NA", "YES", "100", "", "0.236", "0.001", "-99", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "d3-MeFOSAA", "d3-

MeFOSAA", "124", "%R", "", "-99", "NA", "", "IS", "124", "", "-99", "NA", "YES", "100", "", "0.236", "0.001", "-99", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "13C2-PFUnA", "13C2-
PFUnA", "86.5", "%R", "", "-99", "NA", "", "IS", "86.5", "", "-99", "NA", "YES", "100", "", "0.236", "0.001", "-99", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "d5-EtFOSAA", "d5-
EtFOSAA", "122", "%R", "", "-99", "NA", "", "IS", "122", "", "-99", "NA", "YES", "100", "", "0.236", "0.001", "-99", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "13C2-PFDoA", "13C2-
PFDoA", "72.9", "%R", "", "-99", "NA", "", "IS", "72.9", "", "-99", "NA", "YES", "100", "", "0.236", "0.001", "-99", ""
"SA-MW127S-20171213", "Modified EPA Method 537", "Initial", "1701953-02", "Vista", "13C2-PFTeDA", "13C2-
PFTeDA", "86.9", "%R", "", "-99", "NA", "", "IS", "86.9", "", "-99", "NA", "YES", "100", "", "0.236", "0.001", "-99", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "375-73-
5", "PFBS", "2.57", "ng/L", "U", "0.921", "LOD", "", "TRG", "", "", "4.12", "LOQ", "YES", "-99", "", "0.243", "0.001", "2.57", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "307-24-
4", "PFHxA", "7.34", "ng/L", "", "1.12", "LOD", "", "TRG", "", "", "4.12", "LOQ", "YES", "-99", "", "0.243", "0.001", "2.57", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "375-85-
9", "PFHpA", "15.1", "ng/L", "", "0.304", "LOD", "", "TRG", "", "", "4.12", "LOQ", "YES", "-99", "", "0.243", "0.001", "2.57", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "355-46-
4", "PFHxS", "0.957", "ng/L", "J", "0.487", "LOD", "", "TRG", "", "", "4.12", "LOQ", "YES", "-99", "", "0.243", "0.001", "2.57", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "335-67-
1", "PFOA", "25.5", "ng/L", "", "0.335", "LOD", "", "TRG", "", "", "4.12", "LOQ", "YES", "-99", "", "0.243", "0.001", "2.57", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "1763-23-
1", "PFOS", "6.22", "ng/L", "", "0.415", "LOD", "", "TRG", "", "", "4.12", "LOQ", "YES", "-99", "", "0.243", "0.001", "2.57", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Dilution", "1701953-03", "Vista", "375-95-
1", "PFNA", "435", "ng/L", "D", "2.08", "LOD", "", "TRG", "", "", "20.6", "LOQ", "YES", "-99", "", "0.243", "0.001", "12.9", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "335-76-
2", "PFDA", "10.6", "ng/L", "", "0.767", "LOD", "", "TRG", "", "", "4.12", "LOQ", "YES", "-99", "", "0.243", "0.001", "2.57", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "2355-31-
9", "MeFOSAA", "2.57", "ng/L", "U", "0.849", "LOD", "", "TRG", "", "", "4.12", "LOQ", "YES", "-99", "", "0.243", "0.001", "2.57", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Dilution", "1701953-03", "Vista", "2058-94-
8", "PFUnA", "933", "ng/L", "D", "2.70", "LOD", "", "TRG", "", "", "20.6", "LOQ", "YES", "-99", "", "0.243", "0.001", "12.9", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "2991-50-
6", "EtFOSAA", "2.57", "ng/L", "U", "0.705", "LOD", "", "TRG", "", "", "4.12", "LOQ", "YES", "-99", "", "0.243", "0.001", "2.57", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "307-55-
1", "PFDoA", "2.57", "ng/L", "U", "0.408", "LOD", "", "TRG", "", "", "4.12", "LOQ", "YES", "-99", "", "0.243", "0.001", "2.57", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "72629-94-
8", "PFTTrDA", "2.57", "ng/L", "U", "0.254", "LOD", "", "TRG", "", "", "4.12", "LOQ", "YES", "-99", "", "0.243", "0.001", "2.57", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "376-06-
7", "PFTeDA", "2.57", "ng/L", "U", "0.389", "LOD", "", "TRG", "", "", "4.12", "LOQ", "YES", "-99", "", "0.243", "0.001", "2.57", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "13C3-PFBS", "13C3-
PFBS", "119", "%R", "", "-99", "NA", "", "IS", "119", "", "-99", "NA", "YES", "100", "", "0.243", "0.001", "-99", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "13C2-PFHxA", "13C2-
PFHxA", "101", "%R", "", "-99", "NA", "", "IS", "101", "", "-99", "NA", "YES", "100", "", "0.243", "0.001", "-99", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "13C4-PFHpA", "13C4-
PFHpA", "102", "%R", "", "-99", "NA", "", "IS", "102", "", "-99", "NA", "YES", "100", "", "0.243", "0.001", "-99", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "18O2-PFHxS", "18O2-
PFHxS", "85.8", "%R", "", "-99", "NA", "", "IS", "85.8", "", "-99", "NA", "YES", "100", "", "0.243", "0.001", "-99", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "13C2-PFOA", "13C2-
PFOA", "90.4", "%R", "", "-99", "NA", "", "IS", "90.4", "", "-99", "NA", "YES", "100", "", "0.243", "0.001", "-99", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "13C8-PFOS", "13C8-
PFOS", "89.5", "%R", "", "-99", "NA", "", "IS", "89.5", "", "-99", "NA", "YES", "100", "", "0.243", "0.001", "-99", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Dilution", "1701953-03", "Vista", "13C5-PFNA", "13C5-

PFNA,"103", "%R", "D", "-99", "NA", "", "IS", "103", "", "-99", "NA", "YES", "100", "", "0.243", "0.001", "-99", ""
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PFDA", "123", "%R", "", "-99", "NA", "", "IS", "123", "", "-99", "NA", "YES", "100", "", "0.243", "0.001", "-99", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "d3-MeFOSAA", "d3-
MeFOSAA", "88.9", "%R", "", "-99", "NA", "", "IS", "88.9", "", "-99", "NA", "YES", "100", "", "0.243", "0.001", "-99", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Dilution", "1701953-03", "Vista", "13C2-PFUnA", "13C2-
PFUnA", "86.7", "%R", "D", "-99", "NA", "", "IS", "86.7", "", "-99", "NA", "YES", "100", "", "0.243", "0.001", "-99", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "d5-EtFOSAA", "d5-
EtFOSAA", "94.4", "%R", "", "-99", "NA", "", "IS", "94.4", "", "-99", "NA", "YES", "100", "", "0.243", "0.001", "-99", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "13C2-PFDoA", "13C2-
PFDoA", "61.1", "%R", "", "-99", "NA", "", "IS", "61.1", "", "-99", "NA", "YES", "100", "", "0.243", "0.001", "-99", ""
"SA-MW126S-20171213", "Modified EPA Method 537", "Initial", "1701953-03", "Vista", "13C2-PFTeDA", "13C2-
PFTeDA", "93.8", "%R", "", "-99", "NA", "", "IS", "93.8", "", "-99", "NA", "YES", "100", "", "0.243", "0.001", "-99", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "375-73-
5", "PFBS", "2.59", "ng/L", "U", "0.928", "LOD", "", "TRG", "", "", "4.15", "LOQ", "YES", "-99", "", "0.241", "0.001", "2.59", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "307-24-
4", "PFHxA", "4.77", "ng/L", "", "1.13", "LOD", "", "TRG", "", "", "4.15", "LOQ", "YES", "-99", "", "0.241", "0.001", "2.59", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "375-85-
9", "PFHpA", "4.98", "ng/L", "", "0.306", "LOD", "", "TRG", "", "", "4.15", "LOQ", "YES", "-99", "", "0.241", "0.001", "2.59", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "355-46-
4", "PFHxS", "1.70", "ng/L", "J", "0.491", "LOD", "", "TRG", "", "", "4.15", "LOQ", "YES", "-99", "", "0.241", "0.001", "2.59", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "335-67-
1", "PFOA", "13.2", "ng/L", "", "0.338", "LOD", "", "TRG", "", "", "4.15", "LOQ", "YES", "-99", "", "0.241", "0.001", "2.59", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "1763-23-
1", "PFOS", "11.5", "ng/L", "", "0.418", "LOD", "", "TRG", "", "", "4.15", "LOQ", "YES", "-99", "", "0.241", "0.001", "2.59", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "375-95-
1", "PFNA", "18.0", "ng/L", "", "0.420", "LOD", "", "TRG", "", "", "4.15", "LOQ", "YES", "-99", "", "0.241", "0.001", "2.59", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "335-76-
2", "PFDA", "2.59", "ng/L", "U", "0.773", "LOD", "", "TRG", "", "", "4.15", "LOQ", "YES", "-99", "", "0.241", "0.001", "2.59", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "2355-31-
9", "MeFOSAA", "2.59", "ng/L", "U", "0.856", "LOD", "", "TRG", "", "", "4.15", "LOQ", "YES", "-99", "", "0.241", "0.001", "2.59", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "2058-94-
8", "PFUnA", "1.46", "ng/L", "J", "0.544", "LOD", "", "TRG", "", "", "4.15", "LOQ", "YES", "-99", "", "0.241", "0.001", "2.59", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "2991-50-
6", "EtFOSAA", "2.59", "ng/L", "U", "0.710", "LOD", "", "TRG", "", "", "4.15", "LOQ", "YES", "-99", "", "0.241", "0.001", "2.59", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "307-55-
1", "PFDoA", "2.59", "ng/L", "U", "0.411", "LOD", "", "TRG", "", "", "4.15", "LOQ", "YES", "-99", "", "0.241", "0.001", "2.59", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "72629-94-
8", "PFTeDA", "2.59", "ng/L", "U", "0.256", "LOD", "", "TRG", "", "", "4.15", "LOQ", "YES", "-99", "", "0.241", "0.001", "2.59", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "376-06-
7", "PFTeDA", "2.59", "ng/L", "U", "0.392", "LOD", "", "TRG", "", "", "4.15", "LOQ", "YES", "-99", "", "0.241", "0.001", "2.59", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "13C3-PFBS", "13C3-
PFBS", "122", "%R", "", "-99", "NA", "", "IS", "122", "", "-99", "NA", "YES", "100", "", "0.241", "0.001", "-99", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "13C2-PFHxA", "13C2-
PFHxA", "107", "%R", "", "-99", "NA", "", "IS", "107", "", "-99", "NA", "YES", "100", "", "0.241", "0.001", "-99", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "13C4-PFHpA", "13C4-
PFHpA", "98.3", "%R", "", "-99", "NA", "", "IS", "98.3", "", "-99", "NA", "YES", "100", "", "0.241", "0.001", "-99", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "18O2-PFHxS", "18O2-
PFHxS", "95.8", "%R", "", "-99", "NA", "", "IS", "95.8", "", "-99", "NA", "YES", "100", "", "0.241", "0.001", "-99", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "13C2-PFOA", "13C2-

PFOA", "85.5", "%R", "", "-99", "NA", "", "IS", "85.5", "", "-99", "NA", "YES", "100", "", "0.241", "0.001", "-99", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "13C8-PFOS", "13C8-
PFOS", "80.8", "%R", "", "-99", "NA", "", "IS", "80.8", "", "-99", "NA", "YES", "100", "", "0.241", "0.001", "-99", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "13C5-PFNA", "13C5-
PFNA", "78.8", "%R", "", "-99", "NA", "", "IS", "78.8", "", "-99", "NA", "YES", "100", "", "0.241", "0.001", "-99", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "13C2-PFDA", "13C2-
PFDA", "106", "%R", "", "-99", "NA", "", "IS", "106", "", "-99", "NA", "YES", "100", "", "0.241", "0.001", "-99", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "d3-MeFOSAA", "d3-
MeFOSAA", "83.9", "%R", "", "-99", "NA", "", "IS", "83.9", "", "-99", "NA", "YES", "100", "", "0.241", "0.001", "-99", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "13C2-PFUnA", "13C2-
PFUnA", "74.7", "%R", "", "-99", "NA", "", "IS", "74.7", "", "-99", "NA", "YES", "100", "", "0.241", "0.001", "-99", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "d5-EtFOSAA", "d5-
EtFOSAA", "116", "%R", "", "-99", "NA", "", "IS", "116", "", "-99", "NA", "YES", "100", "", "0.241", "0.001", "-99", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "13C2-PFDoA", "13C2-
PFDoA", "58.7", "%R", "", "-99", "NA", "", "IS", "58.7", "", "-99", "NA", "YES", "100", "", "0.241", "0.001", "-99", ""
"SA-MW126I-20171213", "Modified EPA Method 537", "Initial", "1701953-04", "Vista", "13C2-PFTeDA", "13C2-
PFTeDA", "78.6", "%R", "", "-99", "NA", "", "IS", "78.6", "", "-99", "NA", "YES", "100", "", "0.241", "0.001", "-99", ""
"SA-MW127S-FRB-20171213", "Modified EPA Method 537", "Initial", "1701953-05", "Vista", "375-73-
5", "PFBS", "2.45", "ng/L", "U", "0.877", "LOD", "", "TRG", "", "", "3.92", "LOQ", "YES", "-99", "", "0.255", "0.001", "2.45", ""
"SA-MW127S-FRB-20171213", "Modified EPA Method 537", "Initial", "1701953-05", "Vista", "307-24-
4", "PFHxA", "2.45", "ng/L", "U", "1.07", "LOD", "", "TRG", "", "", "3.92", "LOQ", "YES", "-99", "", "0.255", "0.001", "2.45", ""
"SA-MW127S-FRB-20171213", "Modified EPA Method 537", "Initial", "1701953-05", "Vista", "375-85-
9", "PFHpA", "2.45", "ng/L", "U", "0.290", "LOD", "", "TRG", "", "", "3.92", "LOQ", "YES", "-99", "", "0.255", "0.001", "2.45", ""
"SA-MW127S-FRB-20171213", "Modified EPA Method 537", "Initial", "1701953-05", "Vista", "355-46-
4", "PFHxS", "2.45", "ng/L", "U", "0.464", "LOD", "", "TRG", "", "", "3.92", "LOQ", "YES", "-99", "", "0.255", "0.001", "2.45", ""
"SA-MW127S-FRB-20171213", "Modified EPA Method 537", "Initial", "1701953-05", "Vista", "335-67-
1", "PFOA", "2.45", "ng/L", "U", "0.319", "LOD", "", "TRG", "", "", "3.92", "LOQ", "YES", "-99", "", "0.255", "0.001", "2.45", ""
"SA-MW127S-FRB-20171213", "Modified EPA Method 537", "Initial", "1701953-05", "Vista", "1763-23-
1", "PFOS", "2.45", "ng/L", "U", "0.395", "LOD", "", "TRG", "", "", "3.92", "LOQ", "YES", "-99", "", "0.255", "0.001", "2.45", ""
"SA-MW127S-FRB-20171213", "Modified EPA Method 537", "Initial", "1701953-05", "Vista", "375-95-
1", "PFNA", "2.45", "ng/L", "U", "0.397", "LOD", "", "TRG", "", "", "3.92", "LOQ", "YES", "-99", "", "0.255", "0.001", "2.45", ""
"SA-MW127S-FRB-20171213", "Modified EPA Method 537", "Initial", "1701953-05", "Vista", "335-76-
2", "PFDA", "2.45", "ng/L", "U", "0.730", "LOD", "", "TRG", "", "", "3.92", "LOQ", "YES", "-99", "", "0.255", "0.001", "2.45", ""
"SA-MW127S-FRB-20171213", "Modified EPA Method 537", "Initial", "1701953-05", "Vista", "2355-31-
9", "MeFOSAA", "2.45", "ng/L", "U", "0.809", "LOD", "", "TRG", "", "", "3.92", "LOQ", "YES", "-99", "", "0.255", "0.001", "2.45", ""
"SA-MW127S-FRB-20171213", "Modified EPA Method 537", "Initial", "1701953-05", "Vista", "2058-94-
8", "PFUnA", "0.901", "ng/L", "J", "0.515", "LOD", "", "TRG", "", "", "3.92", "LOQ", "YES", "-99", "", "0.255", "0.001", "2.45", ""
"SA-MW127S-FRB-20171213", "Modified EPA Method 537", "Initial", "1701953-05", "Vista", "2991-50-
6", "EtFOSAA", "2.45", "ng/L", "U", "0.671", "LOD", "", "TRG", "", "", "3.92", "LOQ", "YES", "-99", "", "0.255", "0.001", "2.45", ""
"SA-MW127S-FRB-20171213", "Modified EPA Method 537", "Initial", "1701953-05", "Vista", "307-55-
1", "PFDoA", "2.45", "ng/L", "U", "0.388", "LOD", "", "TRG", "", "", "3.92", "LOQ", "YES", "-99", "", "0.255", "0.001", "2.45", ""
"SA-MW127S-FRB-20171213", "Modified EPA Method 537", "Initial", "1701953-05", "Vista", "72629-94-
8", "PFTTrDA", "2.45", "ng/L", "U", "0.242", "LOD", "", "TRG", "", "", "3.92", "LOQ", "YES", "-99", "", "0.255", "0.001", "2.45", ""
"SA-MW127S-FRB-20171213", "Modified EPA Method 537", "Initial", "1701953-05", "Vista", "376-06-
7", "PFTeDA", "2.45", "ng/L", "U", "0.370", "LOD", "", "TRG", "", "", "3.92", "LOQ", "YES", "-99", "", "0.255", "0.001", "2.45", ""
"SA-MW127S-FRB-20171213", "Modified EPA Method 537", "Initial", "1701953-05", "Vista", "13C3-PFBS", "13C3-
PFBS", "118", "%R", "", "-99", "NA", "", "IS", "118", "", "-99", "NA", "YES", "100", "", "0.255", "0.001", "-99", ""
"SA-MW127S-FRB-20171213", "Modified EPA Method 537", "Initial", "1701953-05", "Vista", "13C2-PFHxA", "13C2-
PFHxA", "103", "%R", "", "-99", "NA", "", "IS", "103", "", "-99", "NA", "YES", "100", "", "0.255", "0.001", "-99", ""

"SA-MW127S-FRB-20171213","Modified EPA Method 537","Initial","1701953-05","Vista","13C4-PFHpA","13C4-PFHpA","95.6","%R","",-99,"NA","","IS","95.6","",-99,"NA","YES","100","","0.255","0.001","-99",""

"SA-MW127S-FRB-20171213","Modified EPA Method 537","Initial","1701953-05","Vista","18O2-PFHxS","18O2-PFHxS","92.1","%R","",-99,"NA","","IS","92.1","",-99,"NA","YES","100","","0.255","0.001","-99",""

"SA-MW127S-FRB-20171213","Modified EPA Method 537","Initial","1701953-05","Vista","13C2-PFOA","13C2-PFOA","77.5","%R","",-99,"NA","","IS","77.5","",-99,"NA","YES","100","","0.255","0.001","-99",""

"SA-MW127S-FRB-20171213","Modified EPA Method 537","Initial","1701953-05","Vista","13C8-PFOS","13C8-PFOS","85.9","%R","",-99,"NA","","IS","85.9","",-99,"NA","YES","100","","0.255","0.001","-99",""

"SA-MW127S-FRB-20171213","Modified EPA Method 537","Initial","1701953-05","Vista","13C5-PFNA","13C5-PFNA","92.6","%R","",-99,"NA","","IS","92.6","",-99,"NA","YES","100","","0.255","0.001","-99",""

"SA-MW127S-FRB-20171213","Modified EPA Method 537","Initial","1701953-05","Vista","13C2-PFDA","13C2-PFDA","105","%R","",-99,"NA","","IS","105","",-99,"NA","YES","100","","0.255","0.001","-99",""

"SA-MW127S-FRB-20171213","Modified EPA Method 537","Initial","1701953-05","Vista","d3-MeFOSAA","d3-MeFOSAA","102","%R","",-99,"NA","","IS","102","",-99,"NA","YES","100","","0.255","0.001","-99",""

"SA-MW127S-FRB-20171213","Modified EPA Method 537","Initial","1701953-05","Vista","13C2-PFUnA","13C2-PFUnA","78.7","%R","",-99,"NA","","IS","78.7","",-99,"NA","YES","100","","0.255","0.001","-99",""

"SA-MW127S-FRB-20171213","Modified EPA Method 537","Initial","1701953-05","Vista","d5-EtFOSAA","d5-EtFOSAA","101","%R","",-99,"NA","","IS","101","",-99,"NA","YES","100","","0.255","0.001","-99",""

"SA-MW127S-FRB-20171213","Modified EPA Method 537","Initial","1701953-05","Vista","13C2-PFDoA","13C2-PFDoA","70.6","%R","",-99,"NA","","IS","70.6","",-99,"NA","YES","100","","0.255","0.001","-99",""

"SA-MW127S-FRB-20171213","Modified EPA Method 537","Initial","1701953-05","Vista","13C2-PFTeDA","13C2-PFTeDA","73.2","%R","",-99,"NA","","IS","73.2","",-99,"NA","YES","100","","0.255","0.001","-99",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","375-73-5","PFBS","2.42","ng/L","U","0.868","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","307-24-4","PFHxA","2.42","ng/L","U","1.06","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","375-85-9","PFHpA","2.42","ng/L","U","0.287","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","355-46-4","PFHxS","2.42","ng/L","U","0.459","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","335-67-1","PFOA","2.42","ng/L","U","0.316","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","1763-23-1","PFOS","2.42","ng/L","U","0.391","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","375-95-1","PFNA","2.42","ng/L","U","0.393","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","335-76-2","PFDA","2.42","ng/L","U","0.723","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","2355-31-9","MeFOSAA","2.42","ng/L","U","0.800","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","2058-94-8","PFUnA","2.42","ng/L","U","0.509","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","2991-50-6","EtFOSAA","2.42","ng/L","U","0.665","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","307-55-1","PFDoA","2.42","ng/L","U","0.384","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","72629-94-8","PFTrDA","2.42","ng/L","U","0.240","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","376-06-7","PFTeDA","2.42","ng/L","U","0.366","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.258","0.001","2.42",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","13C3-PFBS","13C3-PFBS","116","%R","",-99,"NA","","IS","116","",-99,"NA","YES","100","","0.258","0.001","-99",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","13C2-PFHxA","13C2-PFHxA","99.9","%R","",-99,"NA","","IS","99.9","",-99,"NA","YES","100","","0.258","0.001","-99",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","13C4-PFHpA","13C4-PFHpA","113","%R","",-99,"NA","","IS","113","",-99,"NA","YES","100","","0.258","0.001","-99",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","18O2-PFHxS","18O2-PFHxS","101","%R","",-99,"NA","","IS","101","",-99,"NA","YES","100","","0.258","0.001","-99",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","13C2-PFOA","13C2-PFOA","80.7","%R","",-99,"NA","","IS","80.7","",-99,"NA","YES","100","","0.258","0.001","-99",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","13C8-PFOS","13C8-PFOS","115","%R","",-99,"NA","","IS","115","",-99,"NA","YES","100","","0.258","0.001","-99",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","13C5-PFNA","13C5-PFNA","106","%R","",-99,"NA","","IS","106","",-99,"NA","YES","100","","0.258","0.001","-99",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","13C2-PFDA","13C2-PFDA","89.3","%R","",-99,"NA","","IS","89.3","",-99,"NA","YES","100","","0.258","0.001","-99",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","d3-MeFOSAA","d3-MeFOSAA","117","%R","",-99,"NA","","IS","117","",-99,"NA","YES","100","","0.258","0.001","-99",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","13C2-PFUnA","13C2-PFUnA","94.9","%R","",-99,"NA","","IS","94.9","",-99,"NA","YES","100","","0.258","0.001","-99",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","d5-EtFOSAA","d5-EtFOSAA","111","%R","",-99,"NA","","IS","111","",-99,"NA","YES","100","","0.258","0.001","-99",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","13C2-PFDoA","13C2-PFDoA","68.9","%R","",-99,"NA","","IS","68.9","",-99,"NA","YES","100","","0.258","0.001","-99",""

"SA-Dup10-20171213","Modified EPA Method 537","Initial","1701953-06","Vista","13C2-PFTeDA","13C2-PFTeDA","90.5","%R","",-99,"NA","","IS","90.5","",-99,"NA","YES","100","","0.258","0.001","-99",""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","375-73-5","PFBS","2.58","ng/L","U","0.923","LOD","","TRG","","","4.12","LOQ","YES","-99","","0.242","0.001","2.58",""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","307-24-4","PFHxA","2.58","ng/L","U","1.12","LOD","","TRG","","","4.12","LOQ","YES","-99","","0.242","0.001","2.58",""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","375-85-9","PFHpA","2.58","ng/L","U","0.305","LOD","","TRG","","","4.12","LOQ","YES","-99","","0.242","0.001","2.58",""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","355-46-4","PFHxS","2.58","ng/L","U","0.488","LOD","","TRG","","","4.12","LOQ","YES","-99","","0.242","0.001","2.58",""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","335-67-1","PFOA","2.58","ng/L","U","0.336","LOD","","TRG","","","4.12","LOQ","YES","-99","","0.242","0.001","2.58",""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","1763-23-1","PFOS","2.58","ng/L","U","0.416","LOD","","TRG","","","4.12","LOQ","YES","-99","","0.242","0.001","2.58",""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","375-95-1","PFNA","14.0","ng/L","","0.418","LOD","","TRG","","","4.12","LOQ","YES","-99","","0.242","0.001","2.58",""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","335-76-2","PFDA","1.80","ng/L","J","0.768","LOD","","TRG","","","4.12","LOQ","YES","-99","","0.242","0.001","2.58",""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","2355-31-9","MeFOSAA","2.58","ng/L","U","0.851","LOD","","TRG","","","4.12","LOQ","YES","-99","","0.242","0.001","2.58",""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","2058-94-8","PFUnA","2.58","ng/L","U","0.541","LOD","","TRG","","","4.12","LOQ","YES","-99","","0.242","0.001","2.58",""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","2991-50-6","EtFOSAA","2.58","ng/L","U","0.706","LOD","","TRG","","","4.12","LOQ","YES","-99","","0.242","0.001","2.58",""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","307-55-1","PFDoA","2.58","ng/L","U","0.408","LOD","","TRG","","","4.12","LOQ","YES","-99","","0.242","0.001","2.58",""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","72629-94-8","PFTTrDA","2.58","ng/L","U","0.255","LOD","","TRG","","","4.12","LOQ","YES","-99","","0.242","0.001","2.58",""

"

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","376-06-7","PFTeDA","2.58","ng/L","U","0.389","LOD","","TRG","","","4.12","LOQ","YES","-99","","0.242","0.001","2.58", ""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","13C3-PFBS","13C3-PFBS","110","%R","","-99","NA","","IS","110","","-99","NA","YES","100","","0.242","0.001","-99", ""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","13C2-PFHxA","13C2-PFHxA","99.0","%R","","-99","NA","","IS","99.0","","-99","NA","YES","100","","0.242","0.001","-99", ""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","13C4-PFHpA","13C4-PFHpA","92.9","%R","","-99","NA","","IS","92.9","","-99","NA","YES","100","","0.242","0.001","-99", ""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","18O2-PFHxS","18O2-PFHxS","83.1","%R","","-99","NA","","IS","83.1","","-99","NA","YES","100","","0.242","0.001","-99", ""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","13C2-PFOA","13C2-PFOA","82.3","%R","","-99","NA","","IS","82.3","","-99","NA","YES","100","","0.242","0.001","-99", ""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","13C8-PFOS","13C8-PFOS","102","%R","","-99","NA","","IS","102","","-99","NA","YES","100","","0.242","0.001","-99", ""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","13C5-PFNA","13C5-PFNA","99.2","%R","","-99","NA","","IS","99.2","","-99","NA","YES","100","","0.242","0.001","-99", ""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","13C2-PFDA","13C2-PFDA","111","%R","","-99","NA","","IS","111","","-99","NA","YES","100","","0.242","0.001","-99", ""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","d3-MeFOSAA","d3-MeFOSAA","104","%R","","-99","NA","","IS","104","","-99","NA","YES","100","","0.242","0.001","-99", ""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","13C2-PFUnA","13C2-PFUnA","88.1","%R","","-99","NA","","IS","88.1","","-99","NA","YES","100","","0.242","0.001","-99", ""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","d5-EtFOSAA","d5-EtFOSAA","110","%R","","-99","NA","","IS","110","","-99","NA","YES","100","","0.242","0.001","-99", ""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","13C2-PFDoA","13C2-PFDoA","60.7","%R","","-99","NA","","IS","60.7","","-99","NA","YES","100","","0.242","0.001","-99", ""

"SA-PZ123S-20171213","Modified EPA Method 537","Initial","1701953-07","Vista","13C2-PFTeDA","13C2-PFTeDA","80.8","%R","","-99","NA","","IS","80.8","","-99","NA","YES","100","","0.242","0.001","-99", ""

"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","375-73-5","PFBS","2.43","ng/L","U","0.871","LOD","","TRG","","","3.89","LOQ","YES","-99","","0.257","0.001","2.43", ""

"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","307-24-4","PFHxA","14.2","ng/L","","1.06","LOD","","TRG","","","3.89","LOQ","YES","-99","","0.257","0.001","2.43", ""

"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","375-85-9","PFHpA","20.6","ng/L","","0.287","LOD","","TRG","","","3.89","LOQ","YES","-99","","0.257","0.001","2.43", ""

"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","355-46-4","PFHxS","3.82","ng/L","J","0.461","LOD","","TRG","","","3.89","LOQ","YES","-99","","0.257","0.001","2.43", ""

"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","335-67-1","PFOA","41.1","ng/L","","0.317","LOD","","TRG","","","3.89","LOQ","YES","-99","","0.257","0.001","2.43", ""

"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","1763-23-1","PFOS","2.39","ng/L","J","0.392","LOD","","TRG","","","3.89","LOQ","YES","-99","","0.257","0.001","2.43", ""

"SA-PZ123I-20171213","Modified EPA Method 537","Dilution","1701953-08","Vista","375-95-1","PFNA","1090","ng/L","D","1.97","LOD","","TRG","","","19.5","LOQ","YES","-99","","0.257","0.001","12.2", ""

"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","335-76-2","PFDA","30.1","ng/L","","0.725","LOD","","TRG","","","3.89","LOQ","YES","-99","","0.257","0.001","2.43", ""

"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","2355-31-9","MeFOSAA","2.43","ng/L","U","0.802","LOD","","TRG","","","3.89","LOQ","YES","-99","","0.257","0.001","2.43", ""

"SA-PZ123I-20171213","Modified EPA Method 537","Dilution","1701953-08","Vista","2058-94-8","PFUnA","929","ng/L","D","2.55","LOD","","TRG","","","19.5","LOQ","YES","-99","","0.257","0.001","12.2", ""

"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","2991-50-6","EtFOSAA","2.43","ng/L","U","0.666","LOD","","TRG","","","3.89","LOQ","YES","-99","","0.257","0.001","2.43", ""

"

"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","307-55-1","PFDoA","2.43","ng/L","U","0.385","LOD","","TRG","","","3.89","LOQ","YES","-99","","0.257","0.001","2.43",""
"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","72629-94-8","PFTrDA","2.43","ng/L","U","0.240","LOD","","TRG","","","3.89","LOQ","YES","-99","","0.257","0.001","2.43",""
"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","376-06-7","PFTeDA","2.43","ng/L","U","0.367","LOD","","TRG","","","3.89","LOQ","YES","-99","","0.257","0.001","2.43",""
"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","13C3-PFBS","13C3-PFBS","122","%R","","-99","NA","","IS","122","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","13C2-PFHxA","13C2-PFHxA","102","%R","","-99","NA","","IS","102","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","13C4-PFHpA","13C4-PFHpA","102","%R","","-99","NA","","IS","102","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","18O2-PFHxS","18O2-PFHxS","91.3","%R","","-99","NA","","IS","91.3","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","13C2-PFOA","13C2-PFOA","83.0","%R","","-99","NA","","IS","83.0","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","13C8-PFOS","13C8-PFOS","104","%R","","-99","NA","","IS","104","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I-20171213","Modified EPA Method 537","Dilution","1701953-08","Vista","13C5-PFNA","13C5-PFNA","107","%R","D","-99","NA","","IS","107","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","13C2-PFDA","13C2-PFDA","92.3","%R","","-99","NA","","IS","92.3","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","d3-MeFOSAA","d3-MeFOSAA","101","%R","","-99","NA","","IS","101","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I-20171213","Modified EPA Method 537","Dilution","1701953-08","Vista","13C2-PFUnA","13C2-PFUnA","100","%R","D","-99","NA","","IS","100","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","d5-EtFOSAA","d5-EtFOSAA","95.1","%R","","-99","NA","","IS","95.1","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","13C2-PFDoA","13C2-PFDoA","89.9","%R","","-99","NA","","IS","89.9","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I-20171213","Modified EPA Method 537","Initial","1701953-08","Vista","13C2-PFTeDA","13C2-PFTeDA","88.3","%R","","-99","NA","","IS","88.3","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","375-73-5","PFBS","2.43","ng/L","U","0.869","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.257","0.001","2.43",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","307-24-4","PFHxA","13.3","ng/L","","1.06","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.257","0.001","2.43",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","375-85-9","PFHpA","21.2","ng/L","","0.287","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.257","0.001","2.43",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","355-46-4","PFHxS","4.16","ng/L","","0.460","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.257","0.001","2.43",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","335-67-1","PFOA","31.0","ng/L","","0.316","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.257","0.001","2.43",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","1763-23-1","PFOS","17.6","ng/L","","0.392","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.257","0.001","2.43",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Dilution","1701953-09","Vista","375-95-1","PFNA","610","ng/L","D","1.97","LOD","","TRG","","","19.4","LOQ","YES","-99","","0.257","0.001","12.2",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","335-76-2","PFDA","50.7","ng/L","","0.723","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.257","0.001","2.43",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","2355-31-9","MeFOSAA","2.43","ng/L","U","0.801","LOD","","TRG","","","3.88","LOQ","YES","-99","","0.257","0.001","2.43",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","2058-94-

8","PFUnA","41.0","ng/L","","0.510","LOD","","TRG","","","3.88","LOQ","YES",-99","","0.257","0.001","2.43",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","2991-50-
6","EtFOSAA","2.43","ng/L","U","0.665","LOD","","TRG","","","3.88","LOQ","YES",-99","","0.257","0.001","2.43"
,"
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","307-55-
1","PFDoA","2.43","ng/L","U","0.385","LOD","","TRG","","","3.88","LOQ","YES",-99","","0.257","0.001","2.43",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","72629-94-
8","PFTTrDA","2.43","ng/L","U","0.240","LOD","","TRG","","","3.88","LOQ","YES",-99","","0.257","0.001","2.43",""
,"
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","376-06-
7","PFTeDA","2.43","ng/L","U","0.367","LOD","","TRG","","","3.88","LOQ","YES",-99","","0.257","0.001","2.43",""
,"
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","13C3-PFBS","13C3-
PFBS","105","%R","","-99","NA","","IS","105","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","13C2-PFHxA","13C2-
PFHxA","97.4","%R","","-99","NA","","IS","97.4","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","13C4-PFHpA","13C4-
PFHpA","93.2","%R","","-99","NA","","IS","93.2","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","18O2-PFHxS","18O2-
PFHxS","109","%R","","-99","NA","","IS","109","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","13C2-PFOA","13C2-
PFOA","96.0","%R","","-99","NA","","IS","96.0","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","13C8-PFOS","13C8-
PFOS","92.9","%R","","-99","NA","","IS","92.9","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Dilution","1701953-09","Vista","13C5-PFNA","13C5-
PFNA","91.2","%R","D","-99","NA","","IS","91.2","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","13C2-PFDA","13C2-
PFDA","104","%R","","-99","NA","","IS","104","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","d3-MeFOSAA","d3-
MeFOSAA","109","%R","","-99","NA","","IS","109","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","13C2-PFUnA","13C2-
PFUnA","82.6","%R","","-99","NA","","IS","82.6","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","d5-EtFOSAA","d5-
EtFOSAA","124","%R","","-99","NA","","IS","124","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","13C2-PFDoA","13C2-
PFDoA","64.3","%R","","-99","NA","","IS","64.3","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ123I1-20171213","Modified EPA Method 537","Initial","1701953-09","Vista","13C2-PFTeDA","13C2-
PFTeDA","63.3","%R","","-99","NA","","IS","63.3","","-99","NA","YES","100","","0.257","0.001","-99",""
"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","375-73-
5","PFBS","2.66","ng/L","U","0.952","LOD","","TRG","","","4.25","LOQ","YES",-99","","0.235","0.001","2.66",""
"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","307-24-
4","PFHxA","3.43","ng/L","J","1.16","LOD","","TRG","","","4.25","LOQ","YES",-99","","0.235","0.001","2.66",""
"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","375-85-
9","PFHpA","7.34","ng/L","","0.314","LOD","","TRG","","","4.25","LOQ","YES",-99","","0.235","0.001","2.66",""
"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","355-46-
4","PFHxS","2.66","ng/L","U","0.504","LOD","","TRG","","","4.25","LOQ","YES",-99","","0.235","0.001","2.66",""
"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","335-67-
1","PFOA","23.9","ng/L","","0.346","LOD","","TRG","","","4.25","LOQ","YES",-99","","0.235","0.001","2.66",""
"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","1763-23-
1","PFOS","2.65","ng/L","J","0.429","LOD","","TRG","","","4.25","LOQ","YES",-99","","0.235","0.001","2.66",""
"SA-PZ118S-20171213","Modified EPA Method 537","Dilution","1701953-10","Vista","375-95-
1","PFNA","1010","ng/L","D","2.15","LOD","","TRG","","","21.3","LOQ","YES",-99","","0.235","0.001","13.3",""
"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","335-76-
2","PFDA","19.3","ng/L","","0.792","LOD","","TRG","","","4.25","LOQ","YES",-99","","0.235","0.001","2.66",""

"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","2355-31-9","MeFOSAA","2.66","ng/L","U","0.877","LOD","","TRG","","","4.25","LOQ","YES","-99","","0.235","0.001","2.66",""
,"SA-PZ118S-20171213","Modified EPA Method 537","Dilution","1701953-10","Vista","2058-94-8","PFUnA","397","ng/L","D","5.58","LOD","","TRG","","","42.5","LOQ","YES","-99","","0.235","0.001","26.6",""
,"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","2991-50-6","EtFOSAA","2.66","ng/L","U","0.729","LOD","","TRG","","","4.25","LOQ","YES","-99","","0.235","0.001","2.66",""
,"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","307-55-1","PFDoA","2.66","ng/L","U","0.421","LOD","","TRG","","","4.25","LOQ","YES","-99","","0.235","0.001","2.66",""
,"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","72629-94-8","PFTrDA","2.66","ng/L","U","0.263","LOD","","TRG","","","4.25","LOQ","YES","-99","","0.235","0.001","2.66",""
,"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","376-06-7","PFTeDA","2.66","ng/L","U","0.402","LOD","","TRG","","","4.25","LOQ","YES","-99","","0.235","0.001","2.66",""
,"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","13C3-PFBS","13C3-PFBS","106","%R","","-99","NA","","IS","106","","-99","NA","YES","100","","0.235","0.001","-99",""
,"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","13C2-PFHxA","13C2-PFHxA","97.2","%R","","-99","NA","","IS","97.2","","-99","NA","YES","100","","0.235","0.001","-99",""
,"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","13C4-PFHpA","13C4-PFHpA","99.9","%R","","-99","NA","","IS","99.9","","-99","NA","YES","100","","0.235","0.001","-99",""
,"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","18O2-PFHxS","18O2-PFHxS","88.1","%R","","-99","NA","","IS","88.1","","-99","NA","YES","100","","0.235","0.001","-99",""
,"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","13C2-PFOA","13C2-PFOA","92.3","%R","","-99","NA","","IS","92.3","","-99","NA","YES","100","","0.235","0.001","-99",""
,"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","13C8-PFOS","13C8-PFOS","80.1","%R","","-99","NA","","IS","80.1","","-99","NA","YES","100","","0.235","0.001","-99",""
,"SA-PZ118S-20171213","Modified EPA Method 537","Dilution","1701953-10","Vista","13C5-PFNA","13C5-PFNA","89.8","%R","D","-99","NA","","IS","89.8","","-99","NA","YES","100","","0.235","0.001","-99",""
,"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","13C2-PFDA","13C2-PFDA","105","%R","","-99","NA","","IS","105","","-99","NA","YES","100","","0.235","0.001","-99",""
,"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","d3-MeFOSAA","d3-MeFOSAA","118","%R","","-99","NA","","IS","118","","-99","NA","YES","100","","0.235","0.001","-99",""
,"SA-PZ118S-20171213","Modified EPA Method 537","Dilution","1701953-10","Vista","13C2-PFUnA","13C2-PFUnA","65.1","%R","D","-99","NA","","IS","65.1","","-99","NA","YES","100","","0.235","0.001","-99",""
,"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","d5-EtFOSAA","d5-EtFOSAA","118","%R","","-99","NA","","IS","118","","-99","NA","YES","100","","0.235","0.001","-99",""
,"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","13C2-PFDoA","13C2-PFDoA","76.1","%R","","-99","NA","","IS","76.1","","-99","NA","YES","100","","0.235","0.001","-99",""
,"SA-PZ118S-20171213","Modified EPA Method 537","Initial","1701953-10","Vista","13C2-PFTeDA","13C2-PFTeDA","65.1","%R","","-99","NA","","IS","65.1","","-99","NA","YES","100","","0.235","0.001","-99",""
,"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","375-73-5","PFBS","2.59","ng/L","U","0.928","LOD","","TRG","","","4.15","LOQ","YES","-99","","0.241","0.001","2.59",""
,"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","307-24-4","PFHxA","2.59","ng/L","U","1.13","LOD","","TRG","","","4.15","LOQ","YES","-99","","0.241","0.001","2.59",""
,"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","375-85-9","PFHpA","2.59","ng/L","U","0.306","LOD","","TRG","","","4.15","LOQ","YES","-99","","0.241","0.001","2.59",""
,"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","355-46-4","PFHxS","2.59","ng/L","U","0.491","LOD","","TRG","","","4.15","LOQ","YES","-99","","0.241","0.001","2.59",""
,"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","335-67-1","PFOA","1.08","ng/L","J","0.337","LOD","","TRG","","","4.15","LOQ","YES","-99","","0.241","0.001","2.59",""
,"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","1763-23-1","PFOS","0.646","ng/L","J","0.418","LOD","","TRG","","","4.15","LOQ","YES","-99","","0.241","0.001","2.59",""

"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","375-95-1","PFNA","5.94","ng/L","U","0.420","LOD","TRG","4.15","LOQ","YES","-99","0.241","0.001","2.59",""

"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","335-76-2","PFDA","2.59","ng/L","U","0.772","LOD","TRG","4.15","LOQ","YES","-99","0.241","0.001","2.59",""

"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","2355-31-9","MeFOSAA","2.59","ng/L","U","0.855","LOD","TRG","4.15","LOQ","YES","-99","0.241","0.001","2.59",""

"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","2058-94-8","PFUnA","2.59","ng/L","U","0.544","LOD","TRG","4.15","LOQ","YES","-99","0.241","0.001","2.59",""

"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","2991-50-6","EtFOSAA","2.59","ng/L","U","0.710","LOD","TRG","4.15","LOQ","YES","-99","0.241","0.001","2.59",""

"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","307-55-1","PFDoA","2.59","ng/L","U","0.411","LOD","TRG","4.15","LOQ","YES","-99","0.241","0.001","2.59",""

"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","72629-94-8","PFTTrDA","2.59","ng/L","U","0.256","LOD","TRG","4.15","LOQ","YES","-99","0.241","0.001","2.59",""

"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","376-06-7","PFTeDA","2.59","ng/L","U","0.391","LOD","TRG","4.15","LOQ","YES","-99","0.241","0.001","2.59",""

"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","13C3-PFBS","13C3-PFBS","92.1","%R","-99","NA","IS","92.1","-99","NA","YES","100","0.241","0.001","-99",""

"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","13C2-PFHxA","13C2-PFHxA","83.9","%R","-99","NA","IS","83.9","-99","NA","YES","100","0.241","0.001","-99",""

"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","13C4-PFHpA","13C4-PFHpA","88.2","%R","-99","NA","IS","88.2","-99","NA","YES","100","0.241","0.001","-99",""

"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","18O2-PFHxS","18O2-PFHxS","91.8","%R","-99","NA","IS","91.8","-99","NA","YES","100","0.241","0.001","-99",""

"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","13C2-PFOA","13C2-PFOA","87.0","%R","-99","NA","IS","87.0","-99","NA","YES","100","0.241","0.001","-99",""

"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","13C8-PFOS","13C8-PFOS","79.6","%R","-99","NA","IS","79.6","-99","NA","YES","100","0.241","0.001","-99",""

"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","13C5-PFNA","13C5-PFNA","69.6","%R","-99","NA","IS","69.6","-99","NA","YES","100","0.241","0.001","-99",""

"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","13C2-PFDA","13C2-PFDA","96.4","%R","-99","NA","IS","96.4","-99","NA","YES","100","0.241","0.001","-99",""

"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","d3-MeFOSAA","d3-MeFOSAA","117","%R","-99","NA","IS","117","-99","NA","YES","100","0.241","0.001","-99",""

"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","13C2-PFUnA","13C2-PFUnA","77.2","%R","-99","NA","IS","77.2","-99","NA","YES","100","0.241","0.001","-99",""

"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","d5-EtFOSAA","d5-EtFOSAA","95.1","%R","-99","NA","IS","95.1","-99","NA","YES","100","0.241","0.001","-99",""

"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","13C2-PFDoA","13C2-PFDoA","71.9","%R","-99","NA","IS","71.9","-99","NA","YES","100","0.241","0.001","-99",""

"SA-PZ118I-20171213","Modified EPA Method 537","Initial","1701953-11","Vista","13C2-PFTeDA","13C2-PFTeDA","72.0","%R","-99","NA","IS","72.0","-99","NA","YES","100","0.241","0.001","-99",""

"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","375-73-5","PFBS","2.50","ng/L","U","0.895","LOD","TRG","4.00","LOQ","YES","-99","0.250","0.001","2.50",""

"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","307-24-4","PFHxA","2.50","ng/L","U","1.09","LOD","TRG","4.00","LOQ","YES","-99","0.250","0.001","2.50",""

"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","375-85-9","PFHpA","2.50","ng/L","U","0.296","LOD","TRG","4.00","LOQ","YES","-99","0.250","0.001","2.50",""

"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","355-46-4","PFHxS","2.50","ng/L","U","0.474","LOD","TRG","4.00","LOQ","YES","-99","0.250","0.001","2.50",""

"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","335-67-1","PFOA","2.50","ng/L","U","0.326","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",""
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","1763-23-1","PFOS","2.50","ng/L","U","0.404","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",""
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","375-95-1","PFNA","2.50","ng/L","U","0.405","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",""
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","335-76-2","PFDA","2.50","ng/L","U","0.745","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",""
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","2355-31-9","MeFOSAA","2.50","ng/L","U","0.825","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50"
"
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","2058-94-8","PFUnA","2.50","ng/L","U","0.525","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",""
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","2991-50-6","EtFOSAA","2.50","ng/L","U","0.685","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50"
"
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","307-55-1","PFDoA","2.50","ng/L","U","0.396","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",""
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","72629-94-8","PFTTrDA","2.50","ng/L","U","0.247","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",""
"
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","376-06-7","PFTeDA","2.50","ng/L","U","0.378","LOD","","TRG","","","4.00","LOQ","YES","-99","","0.250","0.001","2.50",
"
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","13C3-PFBS","13C3-PFBS","112","%R","","-99","NA","","IS","112","","-99","NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","13C2-PFHxA","13C2-PFHxA","89.9","%R","","-99","NA","","IS","89.9","","-99","NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","13C4-PFHpA","13C4-PFHpA","96.5","%R","","-99","NA","","IS","96.5","","-99","NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","18O2-PFHxS","18O2-PFHxS","97.1","%R","","-99","NA","","IS","97.1","","-99","NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","13C2-PFOA","13C2-PFOA","90.6","%R","","-99","NA","","IS","90.6","","-99","NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","13C8-PFOS","13C8-PFOS","96.3","%R","","-99","NA","","IS","96.3","","-99","NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","13C5-PFNA","13C5-PFNA","89.7","%R","","-99","NA","","IS","89.7","","-99","NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","13C2-PFDA","13C2-PFDA","93.6","%R","","-99","NA","","IS","93.6","","-99","NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","d3-MeFOSAA","d3-MeFOSAA","79.0","%R","","-99","NA","","IS","79.0","","-99","NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","13C2-PFUnA","13C2-PFUnA","68.4","%R","","-99","NA","","IS","68.4","","-99","NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","d5-EtFOSAA","d5-EtFOSAA","86.8","%R","","-99","NA","","IS","86.8","","-99","NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","13C2-PFDoA","13C2-PFDoA","52.5","%R","","-99","NA","","IS","52.5","","-99","NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BLK1","Modified EPA Method 537","Initial","B7L0183-BLK1","Vista","13C2-PFTeDA","13C2-PFTeDA","72.5","%R","","-99","NA","","IS","72.5","","-99","NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","375-73-5","PFBS","51.2","ng/L","","0.895","LOD","","TRG","128","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",""
"
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","307-24-

4","PFHxA","42.4","ng/L","","1.09","LOD","","TRG","106","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",
","
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","375-85-
9","PFHpA","41.0","ng/L","","0.296","LOD","","TRG","102","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",
","
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","355-46-
4","PFHxS","48.4","ng/L","","0.474","LOD","","TRG","121","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",
","
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","335-67-
1","PFOA","43.4","ng/L","","0.326","LOD","","TRG","109","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",
","
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","1763-23-
1","PFOS","37.8","ng/L","","0.404","LOD","","TRG","94.4","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",
","
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","375-95-
1","PFNA","36.6","ng/L","","0.405","LOD","","TRG","91.5","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",
","
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","335-76-
2","PFDA","36.5","ng/L","","0.745","LOD","","TRG","91.3","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",
","
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","2355-31-
9","MeFOSAA","49.9","ng/L","","0.825","LOD","","TRG","125","","4.00","LOQ","YES","40.0","","0.250","0.001","2.
.50",
","
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","2058-94-
8","PFUnA","35.3","ng/L","","0.525","LOD","","TRG","88.2","","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",
","
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","2991-50-
6","EtFOSAA","45.6","ng/L","","0.685","LOD","","TRG","114","","4.00","LOQ","YES","40.0","","0.250","0.001","2.
50",
","
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","307-55-
1","PFDaA","77.7","ng/L","H","0.396","LOD","","TRG","194","","4.00","LOQ","YES","40.0","","0.250","0.001","2.5
0",
","
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","72629-94-
8","PFTrDA","72.0","ng/L","H","0.247","LOD","","TRG","180","","4.00","LOQ","YES","40.0","","0.250","0.001","2.
50",
","
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","376-06-
7","PFTeDA","32.0","ng/L","","0.378","LOD","","TRG","80.1","","4.00","LOQ","YES","40.0","","0.250","0.001","2.5
0",
","
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","13C3-PFBS","13C3-
PFBS","108","%R","","-99","NA","","IS","108","","-99","NA","YES","100","","0.250","0.001","-99",
","
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","13C2-PFHxA","13C2-
PFHxA","92.7","%R","","-99","NA","","IS","92.7","","-99","NA","YES","100","","0.250","0.001","-99",
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"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","13C4-PFHpA","13C4-
PFHpA","97.0","%R","","-99","NA","","IS","97.0","","-99","NA","YES","100","","0.250","0.001","-99",
","
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","18O2-PFHxS","18O2-
PFHxS","92.7","%R","","-99","NA","","IS","92.7","","-99","NA","YES","100","","0.250","0.001","-99",
","
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","13C2-PFOA","13C2-
PFOA","86.9","%R","","-99","NA","","IS","86.9","","-99","NA","YES","100","","0.250","0.001","-99",
","
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","13C8-PFOS","13C8-
PFOS","122","%R","","-99","NA","","IS","122","","-99","NA","YES","100","","0.250","0.001","-99",
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"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","13C5-PFNA","13C5-
PFNA","107","%R","","-99","NA","","IS","107","","-99","NA","YES","100","","0.250","0.001","-99",
","
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","13C2-PFDA","13C2-
PFDA","104","%R","","-99","NA","","IS","104","","-99","NA","YES","100","","0.250","0.001","-99",
","

"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","d3-MeFOSAA","d3-MeFOSAA","82.5","%R","",-99,"NA","","IS","82.5","",-99,"NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","13C2-PFUnA","13C2-PFUnA","86.3","%R","",-99,"NA","","IS","86.3","",-99,"NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","d5-EtFOSAA","d5-EtFOSAA","87.9","%R","",-99,"NA","","IS","87.9","",-99,"NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","13C2-PFDoA","13C2-PFDoA","44.4","%R","H","-99,"NA","","IS","44.4","",-99,"NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BS1","Modified EPA Method 537","Initial","B7L0183-BS1","Vista","13C2-PFTeDA","13C2-PFTeDA","81.4","%R","",-99,"NA","","IS","81.4","",-99,"NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","375-73-5","PFBS","47.8","ng/L","","0.895","LOD","","TRG","120","6.78","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","307-24-4","PFHxA","41.8","ng/L","","1.09","LOD","","TRG","105","1.33","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","375-85-9","PFHpA","42.4","ng/L","","0.296","LOD","","TRG","106","3.39","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","355-46-4","PFHxS","46.2","ng/L","","0.474","LOD","","TRG","115","4.76","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","335-67-1","PFOA","42.7","ng/L","","0.326","LOD","","TRG","107","1.64","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","1763-23-1","PFOS","51.8","ng/L","","0.404","LOD","","TRG","130","31.4","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","375-95-1","PFNA","41.1","ng/L","","0.405","LOD","","TRG","103","11.5","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","335-76-2","PFDA","39.7","ng/L","","0.745","LOD","","TRG","99.2","8.27","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","2355-31-9","MeFOSAA","42.2","ng/L","","0.825","LOD","","TRG","105","16.8","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","2058-94-8","PFUnA","39.6","ng/L","","0.525","LOD","","TRG","99.0","11.6","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","2991-50-6","EtFOSAA","39.5","ng/L","","0.685","LOD","","TRG","98.7","14.3","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","307-55-1","PFDoA","86.4","ng/L","H","0.396","LOD","","TRG","216","10.6","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","72629-94-8","PFTTrDA","64.2","ng/L","H","0.247","LOD","","TRG","161","11.4","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","376-06-7","PFTeDA","34.1","ng/L","","0.378","LOD","","TRG","85.1","6.13","4.00","LOQ","YES","40.0","","0.250","0.001","2.50",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","13C3-PFBS","13C3-PFBS","131","%R","",-99,"NA","","IS","131","",-99,"NA","YES","100","","0.250","0.001","-99",""

"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","13C2-PFHxA","13C2-PFHxA","118","%R","",-99,"NA","","IS","118","",-99,"NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","13C4-PFHpA","13C4-PFHpA","109","%R","",-99,"NA","","IS","109","",-99,"NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","18O2-PFHxS","18O2-PFHxS","96.5","%R","",-99,"NA","","IS","96.5","",-99,"NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","13C2-PFOA","13C2-PFOA","91.6","%R","",-99,"NA","","IS","91.6","",-99,"NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","13C8-PFOS","13C8-PFOS","98.7","%R","",-99,"NA","","IS","98.7","",-99,"NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","13C5-PFNA","13C5-PFNA","86.4","%R","",-99,"NA","","IS","86.4","",-99,"NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","13C2-PFDA","13C2-PFDA","109","%R","",-99,"NA","","IS","109","",-99,"NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","d3-MeFOSAA","d3-MeFOSAA","109","%R","",-99,"NA","","IS","109","",-99,"NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","13C2-PFUnA","13C2-PFUnA","74.8","%R","",-99,"NA","","IS","74.8","",-99,"NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","d5-EtFOSAA","d5-EtFOSAA","109","%R","",-99,"NA","","IS","109","",-99,"NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","13C2-PFDoA","13C2-PFDoA","49.7","%R","H","-99,"NA","","IS","49.7","",-99,"NA","YES","100","","0.250","0.001","-99",""
"B7L0183-BSD1","Modified EPA Method 537","Initial","B7L0183-BSD1","Vista","13C2-PFTeDA","13C2-PFTeDA","94.8","%R","",-99,"NA","","IS","94.8","",-99,"NA","YES","100","","0.250","0.001","-99",""
"112G08005-WE05","112G08005-WE05","CV-Dup09-20171213","12/13/2017 09:00","AQ","1701953-01","NM","","0.40","Modified EPA Method 537","METHOD","Dilution","12/26/2017 12:00","01/16/2018 19:01","Vista","COA","WET","NA","5","NA","NA","01/01/1900 00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00",""
"112G08005-WE05","112G08005-WE05","CV-Dup09-20171213","12/13/2017 09:00","AQ","1701953-01","NM","","0.40","Modified EPA Method 537","METHOD","Dilution","12/26/2017 12:00","01/30/2018 23:35","Vista","COA","WET","NA","10","NA","NA","01/01/1900 00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00",""
"112G08005-WE05","112G08005-WE05","CV-Dup09-20171213","12/13/2017 09:00","AQ","1701953-01","NM","","0.40","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018 09:12","Vista","COA","WET","NA","1","NA","NA","01/01/1900 00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00",""
"112G08005-WE05","112G08005-WE05","CV-Dup09-20171213","12/13/2017 09:00","AQ","1701953-01","NM","","0.40","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018 19:58","Vista","COA","WET","NA","1","NA","NA","01/01/1900 00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00",""
"112G08005-WE05","112G08005-WE05","SA-MW127S-20171213","12/13/2017 10:35","AQ","1701953-02","NM","","0.40","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018 09:24","Vista","COA","WET","NA","1","NA","NA","01/01/1900 00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00",""
"112G08005-WE05","112G08005-WE05","SA-MW127S-20171213","12/13/2017 10:35","AQ","1701953-02","NM","","0.40","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018 20:09","Vista","COA","WET","NA","1","NA","NA","01/01/1900 00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00",""
"112G08005-WE05","112G08005-WE05","SA-MW126S-20171213","12/13/2017 10:37","AQ","1701953-03","NM","","0.40","Modified EPA Method 537","METHOD","Dilution","12/26/2017 12:00","01/16/2018 19:12","Vista","COA","WET","NA","5","NA","NA","01/01/1900 00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00",""
"112G08005-WE05","112G08005-WE05","SA-MW126S-20171213","12/13/2017 10:37","AQ","1701953-03","NM","","0.40","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018

20:55","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00",""
"112G08005-WE05","112G08005-WE05","SA-MW126S-20171213","12/13/2017 10:37","AQ","1701953-
03","NM","","0.40","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018
09:42","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00",""
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04","NM","","0.40","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018
21:07","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00",""
"112G08005-WE05","112G08005-WE05","SA-MW126I-20171213","12/13/2017 09:34","AQ","1701953-
04","NM","","0.40","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018
09:53","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00",""
"112G08005-WE05","112G08005-WE05","SA-MW127S-FRB-20171213","12/13/2017 10:35","AQ","1701953-
05","NM","","0.40","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018
10:05","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00",""
"112G08005-WE05","112G08005-WE05","SA-Dup10-20171213","12/13/2017 12:00","AQ","1701953-
06","NM","","0.40","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018
10:16","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00",""
"112G08005-WE05","112G08005-WE05","SA-Dup10-20171213","12/13/2017 12:00","AQ","1701953-
06","NM","","0.40","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018
21:18","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00",""
"112G08005-WE05","112G08005-WE05","SA-PZ123S-20171213","12/13/2017 13:15","AQ","1701953-
07","NM","","0.40","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018
10:28","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00",""
"112G08005-WE05","112G08005-WE05","SA-PZ123S-20171213","12/13/2017 13:15","AQ","1701953-
07","NM","","0.40","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018
21:29","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00",""
"112G08005-WE05","112G08005-WE05","SA-PZ123I-20171213","12/13/2017 13:22","AQ","1701953-
08","NM","","0.40","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018
21:41","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00",""
"112G08005-WE05","112G08005-WE05","SA-PZ123I-20171213","12/13/2017 13:22","AQ","1701953-
08","NM","","0.40","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018
10:39","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00",""
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08","NM","","0.40","Modified EPA Method 537","METHOD","Dilution","12/26/2017 12:00","01/16/2018
19:24","Vista","COA","WET","NA","5","NA","NA","01/01/1900
00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00",""
"112G08005-WE05","112G08005-WE05","SA-PZ123I1-20171213","12/13/2017 14:22","AQ","1701953-
09","NM","","0.40","Modified EPA Method 537","METHOD","Dilution","12/26/2017 12:00","01/16/2018
19:35","Vista","COA","WET","NA","5","NA","NA","01/01/1900
00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00",""
"112G08005-WE05","112G08005-WE05","SA-PZ123I1-20171213","12/13/2017 14:22","AQ","1701953-
09","NM","","0.40","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018
10:51","Vista","COA","WET","NA","1","NA","NA","01/01/1900
00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00",""

"112G08005-WE05","112G08005-WE05","SA-PZ123I1-20171213","12/13/2017 14:22","AQ","1701953-09","NM","","0.40","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018 21:52","Vista","COA","WET","NA","1","NA","NA","01/01/1900 00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00","" "112G08005-WE05","112G08005-WE05","SA-PZ118S-20171213","12/13/2017 14:37","AQ","1701953-10","NM","","0.40","Modified EPA Method 537","METHOD","Dilution","12/26/2017 12:00","01/30/2018 23:47","Vista","COA","WET","NA","10","NA","NA","01/01/1900 00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00","" "112G08005-WE05","112G08005-WE05","SA-PZ118S-20171213","12/13/2017 14:37","AQ","1701953-10","NM","","0.40","Modified EPA Method 537","METHOD","Dilution","12/26/2017 12:00","01/16/2018 19:46","Vista","COA","WET","NA","5","NA","NA","01/01/1900 00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00","" "112G08005-WE05","112G08005-WE05","SA-PZ118S-20171213","12/13/2017 14:37","AQ","1701953-10","NM","","0.40","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018 22:04","Vista","COA","WET","NA","1","NA","NA","01/01/1900 00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00","" "112G08005-WE05","112G08005-WE05","SA-PZ118S-20171213","12/13/2017 14:37","AQ","1701953-10","NM","","0.40","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018 11:02","Vista","COA","WET","NA","1","NA","NA","01/01/1900 00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00","" "112G08005-WE05","112G08005-WE05","SA-PZ118I-20171213","12/13/2017 13:20","AQ","1701953-11","NM","","0.40","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018 11:14","Vista","COA","WET","NA","1","NA","NA","01/01/1900 00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00","" "112G08005-WE05","112G08005-WE05","SA-PZ118I-20171213","12/13/2017 13:20","AQ","1701953-11","NM","","0.40","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018 22:15","Vista","COA","WET","NA","1","NA","NA","01/01/1900 00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","12/14/2017 11:33","01/01/1900 00:00","" "112G08005-WE05","112G08005-WE05","B7L0183-BLK1","01/01/1900 00:00","AQ","B7L0183-BLK1","MB","",-99","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018 09:01","Vista","COA","WET","NA","1","NA","NA","01/01/1900 00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","01/01/1900 00:00","01/01/1900 00:00","" "112G08005-WE05","112G08005-WE05","B7L0183-BLK1","01/01/1900 00:00","AQ","B7L0183-BLK1","MB","",-99","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018 18:49","Vista","COA","WET","NA","1","NA","NA","01/01/1900 00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","01/01/1900 00:00","01/01/1900 00:00","" "112G08005-WE05","112G08005-WE05","B7L0183-BS1","01/01/1900 00:00","AQ","B7L0183-BS1","LCS","",-99","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018 18:26","Vista","COA","WET","NA","1","NA","NA","01/01/1900 00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","01/01/1900 00:00","01/01/1900 00:00","" "112G08005-WE05","112G08005-WE05","B7L0183-BS1","01/01/1900 00:00","AQ","B7L0183-BS1","LCS","",-99","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018 08:38","Vista","COA","WET","NA","1","NA","NA","01/01/1900 00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","01/01/1900 00:00","01/01/1900 00:00","" "112G08005-WE05","112G08005-WE05","B7L0183-BSD1","01/01/1900 00:00","AQ","B7L0183-BSD1","LCSD","",-99","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018 18:38","Vista","COA","WET","NA","1","NA","NA","01/01/1900 00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","01/01/1900 00:00","01/01/1900 00:00","" "112G08005-WE05","112G08005-WE05","B7L0183-BSD1","01/01/1900 00:00","AQ","B7L0183-BSD1","LCSD","",-99","Modified EPA Method 537","METHOD","Initial","12/26/2017 12:00","01/16/2018 08:49","Vista","COA","WET","NA","1","NA","NA","01/01/1900 00:00","100","B7L0183","B7L0183","NA","S8A0051","1701953","01/01/1900 00:00","01/01/1900 00:00",""



TETRA TECH

INTERNAL CORRESPONDENCE

TO: K. FRANCISCO **DATE:** MARCH 16, 2018
FROM: TERRI L. SOLOMON **COPIES:** DV FILE
SUBJECT: ORGANIC DATA VALIDATION – POLYFLUOROALKYL SUBSTANCES (PFAS)
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT (NWIRP), CALVERTON
SAMPLE DELIVERY GROUP (SDG) 1701953

SAMPLES: 10/Groundwater
CV-Dup09-20171213 SA-Dup10-20171213
SA-MW126I-20171213 SA-MW126S-20171213
SA-MW127S-20171213 SA-PZ118I-20171213
SA-PZ118S-20171213 SA-PZ123I-20171213
SA-PZ123I1-20171213 SA-PZ123S-20171213

1/Field Reagent Blank (FRB)
SA-MW127S-FRB-20171213

Overview

The sample set for NWIRP Calverton, SDG 1701953 consisted of ten (10) aqueous environmental samples and one (1) FRB sample. All samples were analyzed for polyfluoroalkyl substances (PFAS). One (1) field duplicate sample pair, SA-MW127S-20171213 / SA-DUP10-20171213 was included in this SDG. Field duplicate sample CV-DUP09-20171213 was included in this SDG and the corresponding environmental sample CV-FLTS-COMBINF-20171213 was included in SDG 1701951

The samples were collected by Tetra Tech, Inc. on December 13, 2017 and analyzed by Vista Analytical Laboratory. All analyses were conducted in accordance with EPA Method 537 Modified analytical and reporting protocols. The data contained in this SDG was validated with regard to the following parameters:

- * • Data completeness
- Hold times/Sample Preservation
- * • LC/MS/MS System Tuning and Performance
- * • Ion Transition Check
- Initial/Continuing Calibrations
- * • Laboratory Method Blank Results
- Field Reagent Blank Results
- * • Extraction Internal Standard Recoveries
- Injection Internal Standard Recoveries
- Laboratory Control Sample / Laboratory Control Sample Duplicate Recoveries
- * • Matrix Spike / Matrix Spike Duplicate Recoveries
- * • Ongoing Precision Recovery (OPR) Results
- * • Compound Identification
- * • Compound Quantitation
- * • Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter. Qualified analytical results are presented in Appendix A, results as reported by the laboratory are presented in Appendix B, and documentation supporting these findings is presented in Appendix C.

PFAS

The 28 day hold time from extraction to analyses was exceeded by seven days for perfluoroundecanoic acid (PFUnA) for samples CV-Dup09-20171213 and SA-PZ118I-20171213. The detected results reported for PFUnA in the affected samples were qualified as estimated (J).

The following compound was detected in the FRB at the maximum concentration indicated below:

<u>Compound</u>	<u>Concentration</u>	<u>Action Level</u>
PFUnA	0.901 ng/L	<LOQ

An action level of 5X the maximum concentration was established to evaluate for blank contamination. The detected result less than the action level for the aforementioned compound was qualified as (U). The PFUnA result detected above was less than one-third of the method reporting limit. All samples in this SDG were associated with FRB sample SA-MW127S-FRB-20171213.

Field duplicate imprecision (relative percent difference > 30%) was noted for sample pair CV-FLTS-COMBINF-20171213 (SDG 1701951) / CV-DUP09-20171213 for perfluoroheptanoic acid (PFHpA). The detected result reported for PFHpA in sample CV-DUP09-20171213 was qualified as estimated (J).

Detected results reported below the Limit of Quantitation (LOQ) but above the Method Detection Limit (MDL) were qualified as estimated, (J). Non-detected results were reported to the LOD.

Additional Comments

It was noted by the laboratory that the original analyses of all samples except SA-MW127S-FRB-20171213 had one or more injected internal standards outside quality control limits. The laboratory re-injected the samples and all quality control criteria passed. All re-injected results are reported. No validation action was required as all extracted internal standards met acceptance criteria and the injection internal standards are not used to quantify sample results.

Samples CV-Dup09-20171213, SA-MW126S-20171213, SA-PZ123I-20171213 and SA-PZ118I-20171213 were analyzed at a dilution for perfluorononanoic acid (PFNA) and PFUnA. Sample SA-PZ123I-20171213 was analyzed at a dilution for PFNA.

The laboratory control sample / laboratory control sample duplicate (LCS/LCSD) percent recoveries for perfluorododecanoic acid (PFDoA) and perfluorotridecanoic acid (PFTrDA) were above the quality control limits. No validation actions were required as all sample results were nondetects.

Several continuing calibrations performed on 01/16/18 @ 8:15, 11:37, 17:18, 20:32 and 22:50 had percent recoveries for perfluorododecanoic acid (PFDoA) and/or perfluorotridecanoic acid (PFTrDA) which exceeded the 130% laboratory quality control limit. All samples were affected. No validation actions were warranted as the aforementioned sample results were nondetects.

Executive Summary

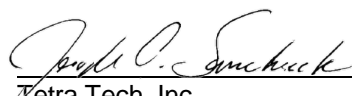
Laboratory Performance Issues: Several hold times were exceeded. The compound PFUnA was present the FRB sample.

Other Factors Affecting Data Quality: Field duplicate imprecision was noted for PFHpA for sample CV-DUP09-20171213. Detected results below the LOQ were estimated.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Superfund Methods Data Review" (January 2017), the Environmental Protection Agency document EPA/600/R-08/092, Method 537, "Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)", (September 2009) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (2017). The text of this report has been formulated to address only those areas affecting data quality.



Tetra Tech, Inc.
Terri L. Solomon
Chemist/Data Validator



Tetra Tech, Inc.
Joseph A. Samchuck
Data Validation Manager

Attachments:

- Appendix A - Qualified Analytical Results
- Appendix B – Results as Reported by the Laboratory
- Appendix C – Support Documentation

Data Qualifier Definitions

The following definitions provide brief explanations of the validation qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted method detection limit for sample and method.
J	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the reporting limit).
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for, but was not detected. The reported detection limit is approximate and may be inaccurate or imprecise.
R	The sample result (detected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
UR	The sample result (nondetected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.

Appendix A

Qualified Analytical Results

Qualifier Codes:

- A = Lab Blank Contamination
- B = Field Blank Contamination
- C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
- C01 = GC/MS Tuning Noncompliance
- D = MS/MSD Recovery Noncompliance
- E = LCS/LCSD Recovery Noncompliance
- F = Lab Duplicate Imprecision
- G = Field Duplicate Imprecision
- H = Holding Time Exceedance
- I = ICP Serial Dilution Noncompliance
- J = ICP PDS Recovery Noncompliance; MSA's $r < 0.995$
- K = ICP Interference - includes ICS % R Noncompliance
- L = Instrument Calibration Range Exceedance
- M = Sample Preservation Noncompliance
- N = Internal Standard Noncompliance
- N01 = Internal Standard Recovery Noncompliance Dioxins
- N02 = Recovery Standard Noncompliance Dioxins
- N03 = Clean-up Standard Noncompliance Dioxins
- O = Poor Instrument Performance (i.e., base-time drifting)
- P = Uncertainty near detection limit ($< 2 \times$ IDL for inorganics and $<$ CRQL for organics)
- Q = Other problems (can encompass a number of issues; i.e.chromatography,interferences, etc.)
- R = Surrogates Recovery Noncompliance
- S = Pesticide/PCB Resolution
- T = % Breakdown Noncompliance for DDT and Endrin
- U = RPD between columns/detectors $>40\%$ for positive results determined via GC/HPLC
- V = Non-linear calibrations; correlation coefficient $r < 0.995$
- W = EMPC result
- X = Signal to noise response drop
- Y = Percent solids $<30\%$
- Z = Uncertainty at 2 standard deviations is greater than sample activity
- Z1 = Tentatively Identified Compound considered presumptively present
- Z2 = Tentatively Identified Compound column bleed
- Z3 = Tentatively Identified Compound aldol condensate
- Z4 = Sample activity is less than the at uncertainty at 3 standard deviations and greater than the MDC
- Z5 = Sample activity is less than the at uncertainty at 3 standard deviations and less than the MDC

PROJ_NO: 08005-WE05 SDG: 1701953 FRACTION: PFAS MEDIA: WATER	NSAMPLE	CV-Dup09-20171213			SA-Dup10-20171213			SA-MW126I-20171213			SA-MW126S-20171213		
	LAB_ID	1701953-01			1701953-06			1701953-04			1701953-03		
	SAMP_DATE	12/13/2017			12/13/2017			12/13/2017			12/13/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	NG/L			NG/L			NG/L			NG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF	CV-FLTS-COMNINF-20171213			SA-MW127S-20171213								
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
N-ETHYL PERFLUOROOCCTANE SULFONAMIDOACETIC ACID	2.43	U		2.42	U		2.59	U		2.57	U		
N-METHYL PERFLUOROOCCTANE SULFONAMIDOACETIC ACID	2.43	U		2.42	U		2.59	U		2.57	U		
PENTADEC AFLUOROOCCTANOIC ACID	28.9			2.42	U		13.2			25.5			
PERFLUOROBUTANESULFONIC ACID	2.43	U		2.42	U		2.59	U		2.57	U		
PERFLUORODECANOIC ACID	15.4			2.42	U		2.59	U		10.6			
PERFLUORODODECANOIC ACID	2.43	U		2.42	U		2.59	U		2.57	U		
PERFLUOROHEPTANOIC ACID	19.7	J	G	2.42	U		4.98			15.1			
PERFLUOROHEXANESULFONIC ACID	0.761	J	P	2.42	U		1.7	J	P	0.957	J	P	
PERFLUOROHEXANOIC ACID	9.84			2.42	U		4.77			7.34			
PERFLUORONONANOIC ACID	790			2.42	U		18			435			
PERFLUOROOCCTANE SULFONIC ACID	2.67	J	P	2.42	U		11.5			6.22			
PERFLUOROTETRADECANOIC ACID	2.43	U		2.42	U		2.59	U		2.57	U		
PERFLUOROTRIDECANOIC ACID	2.43	U		2.42	U		2.59	U		2.57	U		
PERFLUOROUNDECANOIC ACID	372	J	H	2.42	U		1.46	U	B	933			

PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
PROJ_NO: 08005-WE05	NSAMPLE SA-MW127S-20171213			SA-MW127S-FRB-20171213			SA-PZ118I-20171213			SA-PZ118S-20171213		
SDG: 1701953	LAB_ID 1701953-02			1701953-05			1701953-11			1701953-10		
FRACTION: PFAS	SAMP_DATE 12/13/2017			12/13/2017			12/13/2017			12/13/2017		
MEDIA: WATER	QC_TYPE NM			NM			NM			NM		
	UNITS NG/L			NG/L			NG/L			NG/L		
	PCT_SOLIDS 0.0			0.0			0.0			0.0		
	DUP_OF											
N-ETHYL PERFLUOROOCCTANE SULFONAMIDOACETIC ACID	2.65	U		2.45	U		2.59	U		2.66	U	
N-METHYL PERFLUOROOCCTANE SULFONAMIDOACETIC ACID	2.65	U		2.45	U		2.59	U		2.66	U	
PENTADEC AFLUOROOCCTANOIC ACID	2.65	U		2.45	U		1.08	J	P	23.9		
PERFLUOROBUTANESULFONIC ACID	2.65	U		2.45	U		2.59	U		2.66	U	
PERFLUORODECANOIC ACID	2.65	U		2.45	U		2.59	U		19.3		
PERFLUORODODECANOIC ACID	2.65	U		2.45	U		2.59	U		2.66	U	
PERFLUOROHEPTANOIC ACID	2.65	U		2.45	U		2.59	U		7.34		
PERFLUOROHEXANESULFONIC ACID	2.65	U		2.45	U		2.59	U		2.66	U	
PERFLUOROHEXANOIC ACID	2.65	U		2.45	U		2.59	U		3.43	J	P
PERFLUORONONANOIC ACID	2.65	U		2.45	U		5.94			1010		
PERFLUOROOCCTANE SULFONIC ACID	0.437	J	P	2.45	U		0.646	J	P	2.65	J	P
PERFLUOROTETRADECANOIC ACID	2.65	U		2.45	U		2.59	U		2.66	U	
PERFLUOROTRIDECANOIC ACID	2.65	U		2.45	U		2.59	U		2.66	U	
PERFLUOROUNDECANOIC ACID	2.65	U		0.901	J	P	2.59	U		397	J	H

PROJ_NO: 08005-WE05 SDG: 1701953 FRACTION: PFAS MEDIA: WATER	NSAMPLE	SA-PZ123I1-20171213			SA-PZ123I-20171213			SA-PZ123S-20171213		
	LAB_ID	1701953-09			1701953-08			1701953-07		
	SAMP_DATE	12/13/2017			12/13/2017			12/13/2017		
	QC_TYPE	NM			NM			NM		
	UNITS	NG/L			NG/L			NG/L		
	PCT_SOLIDS	0.0			0.0			0.0		
	DUP_OF									
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
N-ETHYL PERFLUOROOCANE SULFONAMIDOACETIC ACID	2.43	U		2.43	U		2.58	U		
N-METHYL PERFLUOROOCANE SULFONAMIDOACETIC ACID	2.43	U		2.43	U		2.58	U		
PENTADECYLAFLUOROOCANOIC ACID	31			41.1			2.58	U		
PERFLUOROBUTANESULFONIC ACID	2.43	U		2.43	U		2.58	U		
PERFLUORODECANOIC ACID	50.7			30.1			1.8	J	P	
PERFLUORODODECANOIC ACID	2.43	U		2.43	U		2.58	U		
PERFLUOROHEPTANOIC ACID	21.2			20.6			2.58	U		
PERFLUOROHEXANESULFONIC ACID	4.16			3.82	J	P	2.58	U		
PERFLUOROHEXANOIC ACID	13.3			14.2			2.58	U		
PERFLUORONONANOIC ACID	610			1090			14			
PERFLUOROOCANE SULFONIC ACID	17.6			2.39	J	P	2.58	U		
PERFLUOROTETRADECANOIC ACID	2.43	U		2.43	U		2.58	U		
PERFLUOROTRIDECANOIC ACID	2.43	U		2.43	U		2.58	U		
PERFLUOROUNDECANOIC ACID	41			929			2.58	U		

Appendix B

Results as Reported by the Laboratory

Sample ID: CV-Dup09-20171213						Modified EPA Method 537					
Client Data					Laboratory Data						
Name:	Tetra Tech		Matrix:	Aqueous		Lab Sample:	1701953-01		Column:	BEH C18	
Project:	NWIRP Calverton Site 2 SA 112G08005-WE05		Date Collected:	13-Dec-17 09:00		Date Received:	14-Dec-17 11:33				
SDG:	WE05										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBS	ND	0.871	2.43	3.89		B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:58	1	
PFHxA	9.84	1.06	2.43	3.89		B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:58	1	
PFHpA	19.7	0.288	2.43	3.89		B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:58	1	
PFHxS	0.761	0.461	2.43	3.89	J	B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:58	1	
PFOA	28.9	0.317	2.43	3.89		B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:58	1	
PFOS	2.67	0.393	2.43	3.89	J	B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:58	1	
PFNA	790	1.97	12.2	19.5	D	B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:01	5	
PFDA	15.4	0.725	2.43	3.89		B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:58	1	
MeFOSAA	ND	0.803	2.43	3.89		B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:58	1	
PFUnA	372	5.11	24.3	38.9	D	B7L0183	26-Dec-17	0.257 L	30-Jan-18 23:35	10	
EtFOSAA	ND	0.667	2.43	3.89		B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:58	1	
PFDaA	ND	0.386	2.43	3.89		B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:58	1	
PFTrDA	ND	0.240	2.43	3.89		B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:58	1	
PFTeDA	ND	0.368	2.43	3.89		B7L0183	26-Dec-17	0.257 L	16-Jan-18 09:12	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBS	IS	113	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:58	1		
13C2-PFHxA	IS	95.6	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:58	1		
13C4-PFHpA	IS	100	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:58	1		
18O2-PFHxS	IS	95.7	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:58	1		
13C2-PFOA	IS	93.3	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:58	1		
13C8-PFOS	IS	112	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:58	1		
13C5-PFNA	IS	76.1	50 - 150	D	B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:01	5		
13C2-PFDA	IS	121	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:58	1		
d3-MeFOSAA	IS	111	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:58	1		
13C2-PFUnA	IS	78.2	50 - 150	D	B7L0183	26-Dec-17	0.257 L	30-Jan-18 23:35	10		
d5-EtFOSAA	IS	118	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:58	1		
13C2-PFDaA	IS	63.3	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:58	1		
13C2-PFTeDA	IS	86.2	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 09:12	1		

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.

When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: SA-MW127S-20171213						Modified EPA Method 537					
Client Data					Laboratory Data						
Name:	Tetra Tech		Matrix:	Aqueous		Lab Sample:	1701953-02		Column:	BEH C18	
Project:	NWIRP Calverton Site 2 SA 112G08005-WE05		Date Collected:	13-Dec-17 10:35		Date Received:	14-Dec-17 11:33				
SDG:	WE05										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBS	ND	0.947	2.65	4.23		B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
PFHxA	ND	1.15	2.65	4.23		B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
PFHpA	ND	0.313	2.65	4.23		B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
PFHxS	ND	0.501	2.65	4.23		B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
PFOA	ND	0.344	2.65	4.23		B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
PFOS	0.437	0.427	2.65	4.23	J	B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
PFNA	ND	0.429	2.65	4.23		B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
PFDA	ND	0.788	2.65	4.23		B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
MeFOSAA	ND	0.873	2.65	4.23		B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
PFUnA	ND	0.556	2.65	4.23		B7L0183	26-Dec-17	0.236 L	16-Jan-18 09:24	1	
EtFOSAA	ND	0.725	2.65	4.23		B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
PFDaA	ND	0.419	2.65	4.23		B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
PFTTrDA	ND	0.261	2.65	4.23		B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
PFTeDA	ND	0.399	2.65	4.23		B7L0183	26-Dec-17	0.236 L	16-Jan-18 09:24	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBS	IS	127	50 - 150			B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
13C2-PFHxA	IS	96.7	50 - 150			B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
13C4-PFHpA	IS	98.5	50 - 150			B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
18O2-PFHxS	IS	87.8	50 - 150			B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
13C2-PFOA	IS	76.5	50 - 150			B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
13C8-PFOS	IS	105	50 - 150			B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
13C5-PFNA	IS	95.5	50 - 150			B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
13C2-PFDA	IS	124	50 - 150			B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
d3-MeFOSAA	IS	124	50 - 150			B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
13C2-PFUnA	IS	86.5	50 - 150			B7L0183	26-Dec-17	0.236 L	16-Jan-18 09:24	1	
d5-EtFOSAA	IS	122	50 - 150			B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
13C2-PFDaA	IS	72.9	50 - 150			B7L0183	26-Dec-17	0.236 L	16-Jan-18 20:09	1	
13C2-PFTeDA	IS	86.9	50 - 150			B7L0183	26-Dec-17	0.236 L	16-Jan-18 09:24	1	

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.

When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: SA-MW126S-20171213

Modified EPA Method 537

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	1701953-03	Column:	BEH C18
Project:	NWIRP Calverton Site 2 SA 112G08005-WE05	Date Collected:	13-Dec-17 10:37	Date Received:	14-Dec-17 11:33		
SDG:	WE05						

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.921	2.57	4.12		B7L0183	26-Dec-17	0.243 L	16-Jan-18 20:55	1
PFHxA	7.34	1.12	2.57	4.12		B7L0183	26-Dec-17	0.243 L	16-Jan-18 20:55	1
PFHpA	15.1	0.304	2.57	4.12		B7L0183	26-Dec-17	0.243 L	16-Jan-18 20:55	1
PFHxS	0.957	0.487	2.57	4.12	J	B7L0183	26-Dec-17	0.243 L	16-Jan-18 20:55	1
PFOA	25.5	0.335	2.57	4.12		B7L0183	26-Dec-17	0.243 L	16-Jan-18 20:55	1
PFOS	6.22	0.415	2.57	4.12		B7L0183	26-Dec-17	0.243 L	16-Jan-18 20:55	1
PFNA	435	2.08	12.9	20.6	D	B7L0183	26-Dec-17	0.243 L	16-Jan-18 19:12	5
PFDA	10.6	0.767	2.57	4.12		B7L0183	26-Dec-17	0.243 L	16-Jan-18 20:55	1
MeFOSAA	ND	0.849	2.57	4.12		B7L0183	26-Dec-17	0.243 L	16-Jan-18 20:55	1
PFUnA	933	2.70	12.9	20.6	D	B7L0183	26-Dec-17	0.243 L	16-Jan-18 19:12	5
EtFOSAA	ND	0.705	2.57	4.12		B7L0183	26-Dec-17	0.243 L	16-Jan-18 20:55	1
PFDaA	ND	0.408	2.57	4.12		B7L0183	26-Dec-17	0.243 L	16-Jan-18 20:55	1
PFTrDA	ND	0.254	2.57	4.12		B7L0183	26-Dec-17	0.243 L	16-Jan-18 20:55	1
PFTeDA	ND	0.389	2.57	4.12		B7L0183	26-Dec-17	0.243 L	16-Jan-18 09:42	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	119	50 - 150		B7L0183	26-Dec-17	0.243 L	16-Jan-18 20:55	1
13C2-PFHxA	IS	101	50 - 150		B7L0183	26-Dec-17	0.243 L	16-Jan-18 20:55	1
13C4-PFHpA	IS	102	50 - 150		B7L0183	26-Dec-17	0.243 L	16-Jan-18 20:55	1
18O2-PFHxS	IS	85.8	50 - 150		B7L0183	26-Dec-17	0.243 L	16-Jan-18 20:55	1
13C2-PFOA	IS	90.4	50 - 150		B7L0183	26-Dec-17	0.243 L	16-Jan-18 20:55	1
13C8-PFOS	IS	89.5	50 - 150		B7L0183	26-Dec-17	0.243 L	16-Jan-18 20:55	1
13C5-PFNA	IS	103	50 - 150	D	B7L0183	26-Dec-17	0.243 L	16-Jan-18 19:12	5
13C2-PFDA	IS	123	50 - 150		B7L0183	26-Dec-17	0.243 L	16-Jan-18 20:55	1
d3-MeFOSAA	IS	88.9	50 - 150		B7L0183	26-Dec-17	0.243 L	16-Jan-18 20:55	1
13C2-PFUnA	IS	86.7	50 - 150	D	B7L0183	26-Dec-17	0.243 L	16-Jan-18 19:12	5
d5-EtFOSAA	IS	94.4	50 - 150		B7L0183	26-Dec-17	0.243 L	16-Jan-18 20:55	1
13C2-PFDaA	IS	61.1	50 - 150		B7L0183	26-Dec-17	0.243 L	16-Jan-18 20:55	1
13C2-PFTeDA	IS	93.8	50 - 150		B7L0183	26-Dec-17	0.243 L	16-Jan-18 09:42	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.

When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: SA-MW126I-20171213

Modified EPA Method 537

Client Data					Laboratory Data					
Name:	Tetra Tech	Matrix:	Aqueous		Lab Sample:	1701953-04	Column:	BEH C18		
Project:	NWIRP Calverton Site 2 SA 112G08005-WE05	Date Collected:	13-Dec-17 09:34		Date Received:	14-Dec-17 11:33				
SDG:	WE05									

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.928	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
PFHxA	4.77	1.13	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
PFHpA	4.98	0.306	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
PFHxS	1.70	0.491	2.59	4.15	J	B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
PFOA	13.2	0.338	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
PFOS	11.5	0.418	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
PFNA	18.0	0.420	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
PFDA	ND	0.773	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
MeFOSAA	ND	0.856	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
PFUnA	1.46	0.544	2.59	4.15	J	B7L0183	26-Dec-17	0.241 L	16-Jan-18 09:53	1
EtFOSAA	ND	0.710	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
PFDaA	ND	0.411	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
PFTrDA	ND	0.256	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
PFTeDA	ND	0.392	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 09:53	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	122	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
13C2-PFHxA	IS	107	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
13C4-PFHpA	IS	98.3	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
18O2-PFHxS	IS	95.8	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
13C2-PFOA	IS	85.5	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
13C8-PFOS	IS	80.8	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
13C5-PFNA	IS	78.8	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
13C2-PFDA	IS	106	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
d3-MeFOSAA	IS	83.9	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
13C2-PFUnA	IS	74.7	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 09:53	1
d5-EtFOSAA	IS	116	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
13C2-PFDaA	IS	58.7	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 21:07	1
13C2-PFTeDA	IS	78.6	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 09:53	1

DL - Detection Limit

LOD - Limit of Detection

LCL-UCL- Lower control limit - upper control limit

When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.

LOQ - Limit of quantitation

Results reported to the DL.

Only the linear isomer is reported for all other analytes.

Sample ID: SA-MW127S-FRB-20171213

Modified EPA Method 537

Client Data					Laboratory Data					
Name:	Tetra Tech	Matrix:	Aqueous		Lab Sample:	1701953-05	Column:	BEH C18		
Project:	NWIRP Calverton Site 2 SA 112G08005-WE05	Date Collected:	13-Dec-17 10:35		Date Received:	14-Dec-17 11:33				
SDG:	WE05									

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.877	2.45	3.92		B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
PFHxA	ND	1.07	2.45	3.92		B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
PFHpA	ND	0.290	2.45	3.92		B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
PFHxS	ND	0.464	2.45	3.92		B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
PFOA	ND	0.319	2.45	3.92		B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
PFOS	ND	0.395	2.45	3.92		B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
PFNA	ND	0.397	2.45	3.92		B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
PFDA	ND	0.730	2.45	3.92		B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
MeFOSAA	ND	0.809	2.45	3.92		B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
PfUnA	0.901	0.515	2.45	3.92	J	B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
EtFOSAA	ND	0.671	2.45	3.92		B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
PFDaA	ND	0.388	2.45	3.92		B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
PFTrDA	ND	0.242	2.45	3.92		B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
PFTeDA	ND	0.370	2.45	3.92		B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	118	50 - 150			B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
13C2-PFHxA	IS	103	50 - 150			B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
13C4-PFHpA	IS	95.6	50 - 150			B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
18O2-PFHxS	IS	92.1	50 - 150			B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
13C2-PFOA	IS	77.5	50 - 150			B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
13C8-PFOS	IS	85.9	50 - 150			B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
13C5-PFNA	IS	92.6	50 - 150			B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
13C2-PFDA	IS	105	50 - 150			B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
d3-MeFOSAA	IS	102	50 - 150			B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
13C2-PFUnA	IS	78.7	50 - 150			B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
d5-EtFOSAA	IS	101	50 - 150			B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
13C2-PFDaA	IS	70.6	50 - 150			B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1
13C2-PFTeDA	IS	73.2	50 - 150			B7L0183	26-Dec-17	0.255 L	16-Jan-18 10:05	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.

When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: SA-Dup10-20171213					Modified EPA Method 537						
Client Data					Laboratory Data						
Name:	Tetra Tech		Matrix:	Aqueous	Lab Sample:	1701953-06		Column:	BEH C18		
Project:	NWIRP Calverton Site 2 SA 112G08005-WE05		Date Collected:	13-Dec-17 12:00	Date Received:	14-Dec-17 11:33					
SDG:	WE05										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBS	ND	0.868	2.42	3.88		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1	
PFHxA	ND	1.06	2.42	3.88		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1	
PFHpA	ND	0.287	2.42	3.88		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1	
PFHxS	ND	0.459	2.42	3.88		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1	
PFOA	ND	0.316	2.42	3.88		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1	
PFOS	ND	0.391	2.42	3.88		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1	
PFNA	ND	0.393	2.42	3.88		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1	
PFDA	ND	0.723	2.42	3.88		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1	
MeFOSAA	ND	0.800	2.42	3.88		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1	
PfUnA	ND	0.509	2.42	3.88		B7L0183	26-Dec-17	0.258 L	16-Jan-18 10:16	1	
EtFOSAA	ND	0.665	2.42	3.88		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1	
PFDaA	ND	0.384	2.42	3.88		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1	
PFTrDA	ND	0.240	2.42	3.88		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1	
PFTeDA	ND	0.366	2.42	3.88		B7L0183	26-Dec-17	0.258 L	16-Jan-18 10:16	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBS	IS	116	50 - 150		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1		
13C2-PFHxA	IS	99.9	50 - 150		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1		
13C4-PFHpA	IS	113	50 - 150		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1		
18O2-PFHxS	IS	101	50 - 150		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1		
13C2-PFOA	IS	80.7	50 - 150		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1		
13C8-PFOS	IS	115	50 - 150		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1		
13C5-PFNA	IS	106	50 - 150		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1		
13C2-PFDA	IS	89.3	50 - 150		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1		
d3-MeFOSAA	IS	117	50 - 150		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1		
13C2-PFUnA	IS	94.9	50 - 150		B7L0183	26-Dec-17	0.258 L	16-Jan-18 10:16	1		
d5-EtFOSAA	IS	111	50 - 150		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1		
13C2-PFDaA	IS	68.9	50 - 150		B7L0183	26-Dec-17	0.258 L	16-Jan-18 21:18	1		
13C2-PFTeDA	IS	90.5	50 - 150		B7L0183	26-Dec-17	0.258 L	16-Jan-18 10:16	1		

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.

When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: SA-PZ123S-20171213						Modified EPA Method 537					
Client Data					Laboratory Data						
Name:	Tetra Tech		Matrix:	Aqueous		Lab Sample:	1701953-07		Column:	BEH C18	
Project:	NWIRP Calverton Site 2 SA 112G08005-WE05		Date Collected:	13-Dec-17 13:15		Date Received:	14-Dec-17 11:33				
SDG:	WE05										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBS	ND	0.923	2.58	4.12		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1	
PFHxA	ND	1.12	2.58	4.12		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1	
PFHpA	ND	0.305	2.58	4.12		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1	
PFHxS	ND	0.488	2.58	4.12		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1	
PFOA	ND	0.336	2.58	4.12		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1	
PFOS	ND	0.416	2.58	4.12		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1	
PFNA	14.0	0.418	2.58	4.12		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1	
PFDA	1.80	0.768	2.58	4.12	J	B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1	
MeFOSAA	ND	0.851	2.58	4.12		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1	
PFUnA	ND	0.541	2.58	4.12		B7L0183	26-Dec-17	0.242 L	16-Jan-18 10:28	1	
EtFOSAA	ND	0.706	2.58	4.12		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1	
PFDaA	ND	0.408	2.58	4.12		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1	
PFTTrDA	ND	0.255	2.58	4.12		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1	
PFTeDA	ND	0.389	2.58	4.12		B7L0183	26-Dec-17	0.242 L	16-Jan-18 10:28	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBS	IS	110	50 - 150		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1		
13C2-PFHxA	IS	99.0	50 - 150		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1		
13C4-PFHpA	IS	92.9	50 - 150		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1		
18O2-PFHxS	IS	83.1	50 - 150		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1		
13C2-PFOA	IS	82.3	50 - 150		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1		
13C8-PFOS	IS	102	50 - 150		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1		
13C5-PFNA	IS	99.2	50 - 150		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1		
13C2-PFDA	IS	111	50 - 150		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1		
d3-MeFOSAA	IS	104	50 - 150		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1		
13C2-PFUnA	IS	88.1	50 - 150		B7L0183	26-Dec-17	0.242 L	16-Jan-18 10:28	1		
d5-EtFOSAA	IS	110	50 - 150		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1		
13C2-PFDaA	IS	60.7	50 - 150		B7L0183	26-Dec-17	0.242 L	16-Jan-18 21:29	1		
13C2-PFTeDA	IS	80.8	50 - 150		B7L0183	26-Dec-17	0.242 L	16-Jan-18 10:28	1		

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.

When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: SA-PZ123I-20171213					Modified EPA Method 537						
Client Data					Laboratory Data						
Name:	Tetra Tech		Matrix:	Aqueous	Lab Sample:	1701953-08		Column:	BEH C18		
Project:	NWIRP Calverton Site 2 SA 112G08005-WE05		Date Collected:	13-Dec-17 13:22	Date Received:	14-Dec-17 11:33					
SDG:	WE05										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBS	ND	0.871	2.43	3.89		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:41	1	
PFHxA	14.2	1.06	2.43	3.89		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:41	1	
PFHpA	20.6	0.287	2.43	3.89		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:41	1	
PFHxS	3.82	0.461	2.43	3.89	J	B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:41	1	
PFOA	41.1	0.317	2.43	3.89		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:41	1	
PFOS	2.39	0.392	2.43	3.89	J	B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:41	1	
PFNA	1090	1.97	12.2	19.5	D	B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:24	5	
PFDA	30.1	0.725	2.43	3.89		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:41	1	
MeFOSAA	ND	0.802	2.43	3.89		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:41	1	
PFUnA	929	2.55	12.2	19.5	D	B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:24	5	
EtFOSAA	ND	0.666	2.43	3.89		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:41	1	
PFDaA	ND	0.385	2.43	3.89		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:41	1	
PFTrDA	ND	0.240	2.43	3.89		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:41	1	
PFTeDA	ND	0.367	2.43	3.89		B7L0183	26-Dec-17	0.257 L	16-Jan-18 10:39	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBS	IS	122	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:41	1		
13C2-PFHxA	IS	102	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:41	1		
13C4-PFHpA	IS	102	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:41	1		
18O2-PFHxS	IS	91.3	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:41	1		
13C2-PFOA	IS	83.0	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:41	1		
13C8-PFOS	IS	104	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:41	1		
13C5-PFNA	IS	107	50 - 150	D	B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:24	5		
13C2-PFDA	IS	92.3	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:41	1		
d3-MeFOSAA	IS	101	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:41	1		
13C2-PFUnA	IS	100	50 - 150	D	B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:24	5		
d5-EtFOSAA	IS	95.1	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:41	1		
13C2-PFDaA	IS	89.9	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:41	1		
13C2-PFTeDA	IS	88.3	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 10:39	1		

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.

When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: SA-PZ123I1-20171213						Modified EPA Method 537					
Client Data					Laboratory Data						
Name:	Tetra Tech		Matrix:	Aqueous		Lab Sample:	1701953-09		Column:	BEH C18	
Project:	NWIRP Calverton Site 2 SA 112G08005-WE05		Date Collected:	13-Dec-17 14:22		Date Received:	14-Dec-17 11:33				
SDG:	WE05										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBS	ND	0.869	2.43	3.88		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:52	1	
PFHxA	13.3	1.06	2.43	3.88		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:52	1	
PFHpA	21.2	0.287	2.43	3.88		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:52	1	
PFHxS	4.16	0.460	2.43	3.88		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:52	1	
PFOA	31.0	0.316	2.43	3.88		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:52	1	
PFOS	17.6	0.392	2.43	3.88		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:52	1	
PFNA	610	1.97	12.2	19.4	D	B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:35	5	
PFDA	50.7	0.723	2.43	3.88		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:52	1	
MeFOSAA	ND	0.801	2.43	3.88		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:52	1	
PFUnA	41.0	0.510	2.43	3.88		B7L0183	26-Dec-17	0.257 L	16-Jan-18 10:51	1	
EtFOSAA	ND	0.665	2.43	3.88		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:52	1	
PFDaA	ND	0.385	2.43	3.88		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:52	1	
PFTrDA	ND	0.240	2.43	3.88		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:52	1	
PFTeDA	ND	0.367	2.43	3.88		B7L0183	26-Dec-17	0.257 L	16-Jan-18 10:51	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBS	IS	105	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:52	1		
13C2-PFHxA	IS	97.4	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:52	1		
13C4-PFHpA	IS	93.2	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:52	1		
18O2-PFHxS	IS	109	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:52	1		
13C2-PFOA	IS	96.0	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:52	1		
13C8-PFOS	IS	92.9	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:52	1		
13C5-PFNA	IS	91.2	50 - 150	D	B7L0183	26-Dec-17	0.257 L	16-Jan-18 19:35	5		
13C2-PFDA	IS	104	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:52	1		
d3-MeFOSAA	IS	109	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:52	1		
13C2-PFUnA	IS	82.6	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 10:51	1		
d5-EtFOSAA	IS	124	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:52	1		
13C2-PFDaA	IS	64.3	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 21:52	1		
13C2-PFTeDA	IS	63.3	50 - 150		B7L0183	26-Dec-17	0.257 L	16-Jan-18 10:51	1		

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.

When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: SA-PZ118S-20171213						Modified EPA Method 537					
Client Data					Laboratory Data						
Name:	Tetra Tech		Matrix:	Aqueous		Lab Sample:	1701953-10		Column:	BEH C18	
Project:	NWIRP Calverton Site 2 SA 112G08005-WE05		Date Collected:	13-Dec-17 14:37		Date Received:	14-Dec-17 11:33				
SDG:	WE05										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBS	ND	0.952	2.66	4.25		B7L0183	26-Dec-17	0.235 L	16-Jan-18 22:04	1	
PFHxA	3.43	1.16	2.66	4.25	J	B7L0183	26-Dec-17	0.235 L	16-Jan-18 22:04	1	
PFHpA	7.34	0.314	2.66	4.25		B7L0183	26-Dec-17	0.235 L	16-Jan-18 22:04	1	
PFHxS	ND	0.504	2.66	4.25		B7L0183	26-Dec-17	0.235 L	16-Jan-18 22:04	1	
PFOA	23.9	0.346	2.66	4.25		B7L0183	26-Dec-17	0.235 L	16-Jan-18 22:04	1	
PFOS	2.65	0.429	2.66	4.25	J	B7L0183	26-Dec-17	0.235 L	16-Jan-18 22:04	1	
PFNA	1010	2.15	13.3	21.3	D	B7L0183	26-Dec-17	0.235 L	16-Jan-18 19:46	5	
PFDA	19.3	0.792	2.66	4.25		B7L0183	26-Dec-17	0.235 L	16-Jan-18 22:04	1	
MeFOSAA	ND	0.877	2.66	4.25		B7L0183	26-Dec-17	0.235 L	16-Jan-18 22:04	1	
PfUnA	397	5.58	26.6	42.5	D	B7L0183	26-Dec-17	0.235 L	30-Jan-18 23:47	10	
EtFOSAA	ND	0.729	2.66	4.25		B7L0183	26-Dec-17	0.235 L	16-Jan-18 22:04	1	
PfDoA	ND	0.421	2.66	4.25		B7L0183	26-Dec-17	0.235 L	16-Jan-18 22:04	1	
PfTrDA	ND	0.263	2.66	4.25		B7L0183	26-Dec-17	0.235 L	16-Jan-18 22:04	1	
PfTeDA	ND	0.402	2.66	4.25		B7L0183	26-Dec-17	0.235 L	16-Jan-18 11:02	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBS	IS	106	50 - 150		B7L0183	26-Dec-17	0.235 L	16-Jan-18 22:04	1		
13C2-PFHxA	IS	97.2	50 - 150		B7L0183	26-Dec-17	0.235 L	16-Jan-18 22:04	1		
13C4-PFHpA	IS	99.9	50 - 150		B7L0183	26-Dec-17	0.235 L	16-Jan-18 22:04	1		
18O2-PFHxS	IS	88.1	50 - 150		B7L0183	26-Dec-17	0.235 L	16-Jan-18 22:04	1		
13C2-PFOA	IS	92.3	50 - 150		B7L0183	26-Dec-17	0.235 L	16-Jan-18 22:04	1		
13C8-PFOS	IS	80.1	50 - 150		B7L0183	26-Dec-17	0.235 L	16-Jan-18 22:04	1		
13C5-PFNA	IS	89.8	50 - 150	D	B7L0183	26-Dec-17	0.235 L	16-Jan-18 19:46	5		
13C2-PFDA	IS	105	50 - 150		B7L0183	26-Dec-17	0.235 L	16-Jan-18 22:04	1		
d3-MeFOSAA	IS	118	50 - 150		B7L0183	26-Dec-17	0.235 L	16-Jan-18 22:04	1		
13C2-PfUnA	IS	65.1	50 - 150	D	B7L0183	26-Dec-17	0.235 L	30-Jan-18 23:47	10		
d5-EtFOSAA	IS	118	50 - 150		B7L0183	26-Dec-17	0.235 L	16-Jan-18 22:04	1		
13C2-PfDoA	IS	76.1	50 - 150		B7L0183	26-Dec-17	0.235 L	16-Jan-18 22:04	1		
13C2-PfTeDA	IS	65.1	50 - 150		B7L0183	26-Dec-17	0.235 L	16-Jan-18 11:02	1		

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.

When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: SA-PZ118I-20171213					Modified EPA Method 537						
Client Data					Laboratory Data						
Name:	Tetra Tech		Matrix:	Aqueous	Lab Sample:	1701953-11		Column:	BEH C18		
Project:	NWIRP Calverton Site 2 SA 112G08005-WE05		Date Collected:	13-Dec-17 13:20	Date Received:	14-Dec-17 11:33					
SDG:	WE05										
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBS	ND	0.928	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1	
PFHxA	ND	1.13	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1	
PFHpA	ND	0.306	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1	
PFHxS	ND	0.491	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1	
PFOA	1.08	0.337	2.59	4.15	J	B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1	
PFOS	0.646	0.418	2.59	4.15	J	B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1	
PFNA	5.94	0.420	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1	
PFDA	ND	0.772	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1	
MeFOSAA	ND	0.855	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1	
PFUnA	ND	0.544	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 11:14	1	
EtFOSAA	ND	0.710	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1	
PFDaA	ND	0.411	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1	
PFTrDA	ND	0.256	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1	
PFTeDA	ND	0.391	2.59	4.15		B7L0183	26-Dec-17	0.241 L	16-Jan-18 11:14	1	
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution		
13C3-PFBS	IS	92.1	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1		
13C2-PFHxA	IS	83.9	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1		
13C4-PFHpA	IS	88.2	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1		
18O2-PFHxS	IS	91.8	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1		
13C2-PFOA	IS	87.0	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1		
13C8-PFOS	IS	79.6	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1		
13C5-PFNA	IS	69.6	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1		
13C2-PFDA	IS	96.4	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1		
d3-MeFOSAA	IS	117	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1		
13C2-PFUnA	IS	77.2	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 11:14	1		
d5-EtFOSAA	IS	95.1	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1		
13C2-PFDaA	IS	71.9	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 22:15	1		
13C2-PFTeDA	IS	72.0	50 - 150		B7L0183	26-Dec-17	0.241 L	16-Jan-18 11:14	1		

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.

When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Appendix C

Support Documentation

ANALYTE	ORIGINAL MW127S	DUPLICATE DUP10	RL	RPD	RPD > 30%	ORIGINAL SAMPLE CONC >2xRL	DUPLICATE SAMPLE CONC >2xRL	DIFFERENCE >2XRL
Perfluorooctanesulfonic acid (PFOS)	0.437	2.42	3.88	138.817	TRUE	FALSE	FALSE	FALSE

ANALYTE		ORIGINAL CV-FLTS-	DUPLICATE CV-	RL	RPD	RPD > 30%	ORIGINAL	DUPLICATE SAMPLE	DIFFERENCE >2XRL
		COMBINF-20171213	DUP09-20171213				SAMPLE CONC	CONC >2xRL	
		SDG 1701951	SDG 1701953				>2xRL		
PENTADECAFLUOROCTANOIC ACID	PFOA	31.9	28.9	3.98	9.868	FALSE	TRUE	TRUE	FALSE
PERFLUORODECANOIC ACID	PFDA	16.5	15.4	3.98	6.897	FALSE	TRUE	TRUE	FALSE
PERFLUOROHEPTANOIC ACID	PFHpA	27.9	19.7	3.98	34.454	TRUE	TRUE	TRUE	TRUE
PERFLUOROHXANESULFONIC ACID	PFHxS	2.49	0.761	2.49	106.367	TRUE	FALSE	FALSE	FALSE
PERFLUOROHXANOIC ACID	PFHxA	10.7	9.84	3.98	8.374	FALSE	TRUE	TRUE	FALSE
PERFLUORONONANOIC ACID	PFNA	866	790	3.98	9.179	FALSE	TRUE	TRUE	TRUE
PERFLUOROOCTANE SULFONIC ACID	PFOS	3.36	2.67	3.98	22.886	FALSE	FALSE	FALSE	FALSE
PERFLUOROUNDECANOIC ACID	PFUnA	294	372	38.9	23.423	FALSE	TRUE	TRUE	TRUE



CHAIN OF CUSTODY

3 of 3

For Laboratory Use Only SR 12/15/17
 Work Order #: 1701953 Temp: 0.4, ~~2.5~~ °C
 Storage ID: WR-2 Storage Secured: Yes No

Project ID: NWRPC Calverton Site 2 SA PO#: _____ Sampler: Jacob Birkett
 (name)

TAT Standard: 21 days
 (check one): Rush (surcharge may apply)
 14 days 7 days Specify: _____

Invoice to: Name Tetra Tech Company 5700 Lake Wright Dr. Suite 102 Address Norfolk City VA State 757.466.4902 Ph# 4902 Fax#

Relinquished by (printed name and signature) Jacob Birkett Date 12-13-17 Time 1630 Received by (printed name and signature) FedEx Date _____ Time _____

Relinquished by (printed name and signature) FedEx Date _____ Time _____ Received by (printed name and signature) Ian Aguells Date 12/14/17 Time 1129

SHIP TO: Vista Analytical Laboratory
 1104 Windfield Way
 El Dorado Hills, CA 95762
 (916) 673-1520 * Fax (916) 673-0106

Method of Shipment: FedEx

Tracking No.: 8102-91020482

ATTN: _____

Add Analysis(es) Requested

Container(s)

Mod. EPA Method 837

EPA Method 537(DW only)

PFOS/PFOA
 UCMR3 PFAS List 6
 37 List: 14
 Full List of 26
 Other: Please List Below

PFOS/PFOA
 UCMR3 PFAS List 6
 PFAS List: 14

Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	PFOS/PFOA	UCMR3 PFAS List 6	37 List: 14	Full List of 26	Other: Please List Below	PFOS/PFOA	UCMR3 PFAS List 6	PFAS List: 14	Comments
CV-Dup09-20171213	12-13-17	0900	—	2	P	AQ									Duplicate
SA-MW127S-20171213		1035	SA-MW127S	2	P	AQ									
SA-MW126S-20171213		1037	SA-MW126S	2	P	AQ									
SA-MW126I-20171213		0934	SA-MW126I	2	P	AQ									
SA-MW127S-FRB-20171213		1035	FRB	2	P	AQ									FRB
SA-Dup10-20171213		1200	—	2	P	AQ									Duplicate
SA-PZ123S-20171213		1315	SA-PZ123S	2	P	AQ									
SA-PZ123I-20171213		1322	SA-PZ123I	2	P	AQ									
SA-PZ123I1-20171213		1422	SA-PZ123I1	2	P	AQ									
SA-PZ118S-20171213		1437	SA-PZ118S	2	P	AQ									
SA-PZ118I-20171213		1320	SA-PZ118I	2	P	AQ									

Special Instructions/Comments: _____

SEND DOCUMENTATION AND RESULTS TO:

Name: See first page
 Company: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone: _____ Fax: _____
 Email: _____

Container Types: P= HDPE, PJ= HDPE Jar
 O = Other: _____

Bottle Preservation Type: T = Thiosulfate,
 TZ = Trizma: _____

Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment,
 SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other: _____



Sample Log-in Checklist

Vista Work Order #: 1701953 TAT Std

Samples Arrival:	Date/Time: 12/14/17 1133	Initials: IA	Location: WR-2 Shelf/Rack: N/A				
Logged In:	Date/Time: 12/15/17 0956	Initials: SR WWS	Location: WR-2 Shelf/Rack: FG				
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac	<input type="checkbox"/> GSO	<input type="checkbox"/> DHL	<input type="checkbox"/> Hand Delivered	<input type="checkbox"/> Other
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Dry Ice	<input type="checkbox"/> None			
Temp °C: 0.3 (uncorrected)	Time: 1134		Thermometer ID: IR-1				
Temp °C: 0.9 (corrected)	Probe used: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						

	YES	NO	NA			
Adequate Sample Volume Received?	✓					
Holding Time Acceptable?	✓					
Shipping Container(s) Intact?	✓					
Shipping Custody Seals Intact?	✓					
Shipping Documentation Present?	✓					
Airbill <u>Lot 2</u> Trk # <u>7889 1916 9900</u>	✓					
Sample Container Intact?	✓					
Sample Custody Seals Intact?			✓			
Chain of Custody / Sample Documentation Present?			✓			
COC Anomaly/Sample Acceptance Form completed?	✓					
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓			
Preservation Documented:	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> Trizma	<input checked="" type="checkbox"/> None	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> NA
Shipping Container	<u>12/15/17</u>	<input checked="" type="checkbox"/> Vista	<input type="checkbox"/> Client	<input type="checkbox"/> Retain	<input type="checkbox"/> Return	<input type="checkbox"/> Dispose

Comments: ~~sample label~~ ^{WWS} COC ID SA-MW127S-20171213
~~sample label~~ SA-MW127S-121317

SDG Number WE05

Vista Work Order No. 1701953

Case Narrative

Sample Condition on Receipt:

Eleven aqueous samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The client confirmed that the sample ID for "SA-MW127S-20171213" is correct per the CoC.

Analytical Notes:

Modified EPA Method 537

The following samples contained particulate and were centrifuged prior to extraction:

<u>Laboratory ID</u>	<u>Sample Name</u>
1701953-02	SA-MW127S-20171213
1701953-03	SA-MW126S-20171213
1701953-06	SA-Dup10-20171213
1701953-07	SA-PZ123S-20171213
1701953-08	SA-PZ123I-20171213
1701953-10	SA-PZ118S-20171213
1701953-11	SA-PZ118I-20171213

The samples were extracted and analyzed for a selected list of PFAS using Modified EPA Method 537.

Holding Times

The samples were extracted within the method hold times. The dilutions for PFUnA in samples "CV-Dup09-20171213" and "SA-PZ118S-20171213" were analyzed outside the hold time. All other analyses were performed within the hold time.

Quality Control

The Initial Calibration met the method acceptance criteria. The recoveries of PFDoA, PFTrDA and PFTeDA were >130% in one of more Continuing Calibration Verifications; these analytes were not detected in the samples.

A Method Blank and Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above 1/2 of the LOQ concentrations. The recoveries of PFDoA and PFTrDA were >130% in the LCS and/or LCSD. These analytes were not detected in the samples. The recoveries of all other analytes were within the acceptance criteria.

The extracts of all samples except "SA-MW127S-FRB-20171213" were re-injected because one or more Injection Internal Standard Analyte response areas were outside of criteria. The results from the re-injections

have been reported. The area criteria passed for PFTeDA in the original injections and the results have been reported from the initial analyses.

The results for PFUDa and PFTeDA were taken from separate injections of the extracts.

The labeled standard recoveries outside the acceptance criteria are listed in the table below.

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
B7L0183-BS1	B7L0183-BS1	Modified EPA Method 537	13C2-PFDoA	H	44.4
B7L0183-BSD1	B7L0183-BSD1	Modified EPA Method 537	13C2-PFDoA	H	49.7

H = Recovery was outside laboratory acceptance criteria.

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1701953-01	CV-Dup09-20171213	13-Dec-17 09:00	14-Dec-17 11:33	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
1701953-02	SA-MW127S-20171213	13-Dec-17 10:35	14-Dec-17 11:33	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
1701953-03	SA-MW126S-20171213	13-Dec-17 10:37	14-Dec-17 11:33	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
1701953-04	SA-MW126I-20171213	13-Dec-17 09:34	14-Dec-17 11:33	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
1701953-05	SA-MW127S-FRB-20171213	13-Dec-17 10:35	14-Dec-17 11:33	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
1701953-06	SA-Dup10-20171213	13-Dec-17 12:00	14-Dec-17 11:33	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
1701953-07	SA-PZ123S-20171213	13-Dec-17 13:15	14-Dec-17 11:33	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
1701953-08	SA-PZ123I-20171213	13-Dec-17 13:22	14-Dec-17 11:33	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
1701953-09	SA-PZ123I1-20171213	13-Dec-17 14:22	14-Dec-17 11:33	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
1701953-10	SA-PZ118S-20171213	13-Dec-17 14:37	14-Dec-17 11:33	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
1701953-11	SA-PZ118I-20171213	13-Dec-17 13:20	14-Dec-17 11:33	HDPE Bottle, 250 mL HDPE Bottle, 250 mL

Sample ID: Method Blank					Modified EPA Method 537						
Client Data					Laboratory Data						
Name: Tetra Tech		Matrix: Aqueous			Lab Sample: B7L0183-BLK1		Column: BEH C18				
Project: NWIRP Calverton Site 2 SA 112G08005-WE05											
Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
PFBS	ND	0.895	2.50	4.00		B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
PFHxA	ND	1.09	2.50	4.00		B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
PFHpA	ND	0.296	2.50	4.00		B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
PFHxS	ND	0.474	2.50	4.00		B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
PFOA	ND	0.326	2.50	4.00		B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
PFOS	ND	0.404	2.50	4.00		B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
PFNA	ND	0.405	2.50	4.00		B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
PFDA	ND	0.745	2.50	4.00		B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
MeFOSAA	ND	0.825	2.50	4.00		B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
PFUnA	ND	0.525	2.50	4.00		B7L0183	26-Dec-17	0.250 L	16-Jan-18 09:01	1	
EtFOSAA	ND	0.685	2.50	4.00		B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
PFDaA	ND	0.396	2.50	4.00		B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
PFTrDA	ND	0.247	2.50	4.00		B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
PFTeDA	ND	0.378	2.50	4.00		B7L0183	26-Dec-17	0.250 L	16-Jan-18 09:01	1	
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBS	IS	112	50 - 150			B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
13C2-PFHxA	IS	89.9	50 - 150			B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
13C4-PFHpA	IS	96.5	50 - 150			B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
18O2-PFHxS	IS	97.1	50 - 150			B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
13C2-PFOA	IS	90.6	50 - 150			B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
13C8-PFOS	IS	96.3	50 - 150			B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
13C5-PFNA	IS	89.7	50 - 150			B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
13C2-PFDA	IS	93.6	50 - 150			B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
d3-MeFOSAA	IS	79.0	50 - 150			B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
13C2-PFUnA	IS	68.4	50 - 150			B7L0183	26-Dec-17	0.250 L	16-Jan-18 09:01	1	
d5-EtFOSAA	IS	86.8	50 - 150			B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
13C2-PFDaA	IS	52.5	50 - 150			B7L0183	26-Dec-17	0.250 L	16-Jan-18 18:49	1	
13C2-PFTeDA	IS	72.5	50 - 150			B7L0183	26-Dec-17	0.250 L	16-Jan-18 09:01	1	

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.

When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: LCSD										Modified EPA Method 537					
Name: Tetra Tech				Lab Sample: B7L0183-BS1/B7L0183-BSD1				Date Extracted: 26-Dec-17		26-Dec-17					
Project: NWIRP Calverton Site 2 SA 112G08005-WE05				QC Batch: B7L0183				Column: BEH C18							
Matrix: Aqueous				Samp Size: 0.250/0.250 L				used 30% for RPD limits							
Analyte	LCS (ng/L)	LCS Spike Amt	LCS % Rec	LCS Quals	LCSD (ng/L)	LCSD Spike Amt	LCSD % Rec	RPD	LCSD Quals	%Rec Limits	RPD Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
PFBS	51.2	40.0	128		47.8	40.0	120	6.78		70-130		16-Jan-18 18:26	1	16-Jan-18 18:38	1
PFHxA	42.4	40.0	106		41.8	40.0	105	1.33		70-130		16-Jan-18 18:26	1	16-Jan-18 18:38	1
PFHpA	41.0	40.0	102		42.4	40.0	106	3.39		70-130		16-Jan-18 18:26	1	16-Jan-18 18:38	1
PFHxS	48.4	40.0	121		46.2	40.0	115	4.76		70-130		16-Jan-18 18:26	1	16-Jan-18 18:38	1
PFOA	43.4	40.0	109		42.7	40.0	107	1.64		70-130		16-Jan-18 18:26	1	16-Jan-18 18:38	1
PFOS	37.8	40.0	94.4		51.8	40.0	130	31.4		70-130		16-Jan-18 18:26	1	16-Jan-18 18:38	1
PFNA	36.6	40.0	91.5		41.1	40.0	103	11.5		70-130		16-Jan-18 18:26	1	16-Jan-18 18:38	1
PFDA	36.5	40.0	91.3		39.7	40.0	99.2	8.27		70-130		16-Jan-18 18:26	1	16-Jan-18 18:38	1
MeFOSAA	49.9	40.0	125		42.2	40.0	105	16.8		70-130		16-Jan-18 18:26	1	16-Jan-18 18:38	1
PFOA	49.9	40.0	125		42.2	40.0	105	16.8		70-130		16-Jan-18 18:26	1	16-Jan-18 18:38	1
PFOA	49.9	40.0	125		42.2	40.0	105	16.8		70-130		16-Jan-18 18:26	1	16-Jan-18 18:38	1
PFOA	49.9	40.0	125		42.2	40.0	105	16.8		70-130		16-Jan-18 18:26	1	16-Jan-18 18:38	1
PFUnA	35.3	40.0	88.2		39.6	40.0	99.0	11.6		70-130		16-Jan-18 08:38	1	16-Jan-18 08:49	1
EtFOSAA	45.6	40.0	114		39.5	40.0	98.7	14.3		70-130		16-Jan-18 18:26	1	16-Jan-18 18:38	1
PFDoA	77.7	40.0	194	H	86.4	40.0	216	10.6	H	70-130		16-Jan-18 18:26	1	16-Jan-18 18:38	1
PFTTrDA	72.0	40.0	180	H	64.2	40.0	161	11.4	H	60-130		16-Jan-18 18:26	1	16-Jan-18 18:38	1
PFTeDA	32.0	40.0	80.1		34.1	40.0	85.1	6.13		70-130		16-Jan-18 08:38	1	16-Jan-18 08:49	1
Labeled Standards	Type		LCS % Rec	LCS Quals		LCSD % Rec	LCSD Quals	Limits		LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil		
13C3-PFBS	IS		108			131		50-150		16-Jan-18 18:26	1	16-Jan-18 18:38	1		
13C2-PFHxA	IS		92.7			118		50-150		16-Jan-18 18:26	1	16-Jan-18 18:38	1		
13C4-PFHpA	IS		97.0			109		50-150		16-Jan-18 18:26	1	16-Jan-18 18:38	1		
18O2-PFHxS	IS		92.7			96.5		50-150		16-Jan-18 18:26	1	16-Jan-18 18:38	1		
13C2-PFOA	IS		86.9			91.6		50-150		16-Jan-18 18:26	1	16-Jan-18 18:38	1		
13C8-PFOS	IS		122			98.7		50-150		16-Jan-18 18:26	1	16-Jan-18 18:38	1		
13C5-PFNA	IS		107			86.4		50-150		16-Jan-18 18:26	1	16-Jan-18 18:38	1		
13C2-PFDA	IS		104			109		50-150		16-Jan-18 18:26	1	16-Jan-18 18:38	1		
d3-MeFOSAA	IS		82.5			109		50-150		16-Jan-18 18:26	1	16-Jan-18 18:38	1		
13C2-PFOA	IS		86.3			74.8		50-150		16-Jan-18 08:38	1	16-Jan-18 08:49	1		
d5-EtFOSAA	IS		87.9			109		50-150		16-Jan-18 18:26	1	16-Jan-18 18:38	1		
13C2-PFDoA	IS		44.4	H		49.7	H	50-150		16-Jan-18 18:26	1	16-Jan-18 18:38	1		
13C2-PFTeDA	IS		81.4			94.8		50-150		16-Jan-18 08:38	1	16-Jan-18 08:49	1		

Process Sheet
Workorder: 1701953

Prep Expiration: 2017-Dec-27
 Client: Tetra Tech

Workorder Due: 08-Jan-18 00:00

TAT: 25

Method: 537M PFAS DOD (LOQ as mRL)
 Matrix: Aqueous

Prep Batch: B7L0183

Version: 537 (14 Analyte)
 DoD: DoD QSM 5.1

Prep Data Entered: MA 12-27-17
Date and Initials

Initial Sequence: S8A0051

LabSampID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
1701953-01	A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CV-Dup09-20171213		WR-2 F-6	HDPE Bottle, 250 mL
1701953-02		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SA-MW127S-20171213	"SA-MW127S-121317" MA 12-26-17	WR-2 F-6	HDPE Bottle, 250 mL
1701953-03		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SA-MW126S-20171213		WR-2 F-6	HDPE Bottle, 250 mL
1701953-04		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SA-MW126I-20171213		WR-2 F-6	HDPE Bottle, 250 mL
1701953-05		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SA-MW127S-FRB-20171213		WR-2 F-6	HDPE Bottle, 250 mL
1701953-06		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SA-Dup10-20171213		WR-2 F-6	HDPE Bottle, 250 mL
1701953-07		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SA-PZ123S-20171213		WR-2 F-6	HDPE Bottle, 250 mL
1701953-08		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SA-PZ123I-20171213		WR-2 F-6	HDPE Bottle, 250 mL
1701953-09		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SA-PZ1231I-20171213		WR-2 F-6	HDPE Bottle, 250 mL
1701953-10		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SA-PZ118S-20171213		WR-2 F-6	HDPE Bottle, 250 mL
1701953-11		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SA-PZ118I-20171213		WR-2 F-6	HDPE Bottle, 250 mL

**WO Comments: Provide all analytical runs.
 MS/MSD per batch, if MS/MSD is not provided - LCS/LCSD.**

Pre-Prep Check Out: MA 12-26-17 Prep Check Out: NA
 Pre-Prep Check In: NA Prep Check In: NA

Prep Reconciled Initials/Date: MA 12-26-17
 Spike Reconciled Initials/Date: KC 12/26/17
 VialBoxID: Jellyfish Boacher Hugo

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mRL)

B7L0183

Chemist: KL

Prep Date/Time: 26-Dec-17 08:19

Prepared using: LCMS - SPE Extraction-LCMS

1200
KL
12/26/17

		Date/Initials: <u>MA 12-26-17</u>			BalanceID: <u>HRMS-8</u>						
Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	SPE	RS CHEM/WIT DATE
<input type="checkbox"/>	B7L0183-BLK1	5	2	0	4	NA	NA	(0.250)	KL MA 12/26/17	KL	12/26/17
<input type="checkbox"/>	B7L0183-BS1	5	2	0	4	NA	NA	(0.250)			
<input type="checkbox"/>	B7L0183-BSD1	5	2	0	4	NA	NA	(0.250)			
<input type="checkbox"/>	1701953-01	5	2	0	4	283.91	27.11	0.25680			
<input checked="" type="checkbox"/>	1701953-02	5	2	0	4	263.77	27.53	0.23624			
<input checked="" type="checkbox"/>	1701953-03	5	2	0	4	270.64	27.77	0.24287			
<input type="checkbox"/>	1701953-04	5	2	0	4	268.59	27.53	0.24106			
<input type="checkbox"/>	1701953-05	5	2	0	4	282.70	27.64	0.25506			
<input checked="" type="checkbox"/>	1701953-06	5	2	0	4	285.23	27.54	0.25769			
<input checked="" type="checkbox"/>	1701953-07	5	2	0	4	270.06	27.61	0.24245			
<input checked="" type="checkbox"/>	1701953-08	5	2	0	4	284.62	27.60	0.25702			
<input type="checkbox"/>	1701953-09	5	2	0	4	284.48	27.01	0.25747			
<input checked="" type="checkbox"/>	1701953-10	5	2	0	4	262.85	27.80	0.23505			
<input checked="" type="checkbox"/>	1701953-11	5	2	0	4	268.03	26.91	0.24112			

IS: <u>17L0402, 10 mL (V2)</u>	SPE Chem: <u>Strata-XAN 33um 200mg 6mL</u>	Notes:
IS SUP: <u>NA</u>	Ele SOLV: <u>MeOH, 5% NH₄OH in MeOH</u>	
NS: <u>17S1820, 10 mL (V1) (V2) (V3)</u>	Final Volume(s) <u>1mL</u>	
RS: <u>17K2502, 10 mL (V1) KL 12/26/17</u>		

Comments: Assume 1 g = 1 mL

Cen = Centrifuged
WORK ORDER 1701953

Batch: B7L0183

Matrix: Aqueous

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1701953-01	0.2568 ✓	NA	NA	1000	26-Dec-17 12:00	KC			Aqueous	537M PFAS DOD (LOQ as
1701953-02	0.23624 ✓			1000	26-Dec-17 12:00	KC			Aqueous	537M PFAS DOD (LOQ as
1701953-03	0.24287 ✓			1000	26-Dec-17 12:00	KC			Aqueous	537M PFAS DOD (LOQ as
1701953-04	0.24106 ✓			1000	26-Dec-17 12:00	KC			Aqueous	537M PFAS DOD (LOQ as
1701953-05	0.25506 ✓			1000	26-Dec-17 12:00	KC			Aqueous	537M PFAS DOD (LOQ as
1701953-06	0.25769 ✓			1000	26-Dec-17 12:00	KC			Aqueous	537M PFAS DOD (LOQ as
1701953-07	0.24245 ✓			1000	26-Dec-17 12:00	KC			Aqueous	537M PFAS DOD (LOQ as
1701953-08	0.25702 ✓			1000	26-Dec-17 12:00	KC			Aqueous	537M PFAS DOD (LOQ as
1701953-09	0.25747 ✓			1000	26-Dec-17 12:00	KC			Aqueous	537M PFAS DOD (LOQ as
1701953-10	0.23505 ✓			1000	26-Dec-17 12:00	KC			Aqueous	537M PFAS DOD (LOQ as
1701953-11	0.24112 ✓			1000	26-Dec-17 12:00	KC			Aqueous	537M PFAS DOD (LOQ as
B7L0183-BLK1	0.25 ✓			1000	26-Dec-17 12:00	KC				QC
B7L0183-BS1	0.25 ✓			1000	26-Dec-17 12:00	KC	17J1820 ✓	10		QC
B7L0183-BSD1	0.25 ✓			1000	26-Dec-17 12:00	KC	17J1820 ✓	10		QC

✓ MA 12-27-17

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

PFDS < 70% in ICV.

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time
 Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_011518.mdb 15 Jan 2018 11:38:30
 Calibration: U:\Q4.PRO\CurveDB\IC18_VAL-PFAS_Q4_01-15-18-FULL-OLD.cdb 16 Jan 2018 10:22:57

DC
 1/16/18

Compound name: PFBA

Correlation coefficient: $r = 0.998579$, $r^2 = 0.997160$
 Calibration curve: $1.33977 * x + -0.0328732$
 Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)
 Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

JHA 01/16/2018

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	0.250	1.53	169.362	8006.990	0.264	0.2	-11.2	NO	0.997	NO	bb
2	180115M2_2	Standard	0.500	1.53	462.377	8945.453	0.646	0.5	1.4	NO	0.997	NO	bb
3	180115M2_3	Standard	1.000	1.53	1135.743	11178.312	1.270	1.0	-2.8	NO	0.997	NO	bb
4	180115M2_4	Standard	2.000	1.53	2008.745	9860.501	2.546	1.9	-3.7	NO	0.997	NO	bb
5	180115M2_5	Standard	5.000	1.52	5607.313	10104.886	6.936	5.2	4.0	NO	0.997	NO	bb
6	180115M2_6	Standard	10.000	1.52	12518.734	10919.465	14.331	10.7	7.2	NO	0.997	NO	bb
7	180115M2_7	Standard	50.000	1.52	47957.504	9706.659	61.759	46.1	-7.8	NO	0.997	NO	bb
8	180115M2_8	Standard	100.000	1.52	99506.547	9008.640	138.071	103.1	3.1	NO	0.997	NO	bb

Compound name: PFPeA

Correlation coefficient: $r = 0.997990$, $r^2 = 0.995984$
 Calibration curve: $1.15515 * x + -0.0327357$
 Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
 Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	0.250	2.48	169.733	8868.418	0.239	0.2	-5.8	NO	0.996	NO	MM
2	180115M2_2	Standard	0.500	2.48	456.397	10441.303	0.546	0.5	0.3	NO	0.996	NO	MM
3	180115M2_3	Standard	1.000	2.48	1148.539	13027.811	1.102	1.0	-1.8	NO	0.996	NO	MM
4	180115M2_4	Standard	2.000	2.48	2044.792	11372.540	2.248	2.0	-1.3	NO	0.996	NO	MM
5	180115M2_5	Standard	5.000	2.48	5892.852	11971.679	6.153	5.4	7.1	NO	0.996	NO	MM
6	180115M2_6	Standard	10.000	2.48	12361.923	12510.149	12.352	10.7	7.2	NO	0.996	NO	MM
7	180115M2_7	Standard	50.000	2.48	46897.496	11201.616	52.333	45.3	-9.3	NO	0.996	NO	MM
8	180115M2_8	Standard	100.000	2.48	99353.172	10375.532	119.696	103.6	3.6	NO	0.996	NO	MM

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time
 Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: PFBS

Coefficient of Determination: $R^2 = 0.996395$

Calibration curve: $0.00351371 * x^2 + 1.85665 * x + 0.254875$

Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	0.250	2.75	57.475	1196.924	0.600	0.2	-25.6	NO	0.996	NO	MM
2	180115M2_2	Standard	0.500	2.75	97.312	1206.778	1.008	0.4	-18.9	NO	0.996	NO	bb
3	180115M2_3	Standard	1.000	2.75	267.604	1442.793	2.318	1.1	10.9	NO	0.996	NO	bb
4	180115M2_4	Standard	2.000	2.75	456.564	1290.825	4.421	2.2	11.7	NO	0.996	NO	bb
5	180115M2_5	Standard	5.000	2.74	1258.317	1432.762	10.978	5.7	14.3	NO	0.996	NO	bb
6	180115M2_6	Standard	10.000	2.75	2824.915	1624.717	21.734	11.3	13.3	NO	0.996	NO	bb
7	180115M2_7	Standard	50.000	2.75	9832.006	1307.205	94.017	46.4	-7.2	NO	0.996	NO	bb
8	180115M2_8	Standard	100.000	2.74	21516.695	1197.229	224.651	101.4	1.4	NO	0.996	NO	bb

Compound name: PFHxA

Correlation coefficient: $r = 0.996265$, $r^2 = 0.992544$

Calibration curve: $1.75438 * x + 0.0169924$

Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	0.250	3.25	306.921	2798.348	0.548	0.3	21.2	NO	0.993	NO	bb
2	180115M2_2	Standard	0.500	3.25	548.713	3301.620	0.831	0.5	-7.2	NO	0.993	NO	bb
3	180115M2_3	Standard	1.000	3.25	1388.564	4246.745	1.635	0.9	-7.8	NO	0.993	NO	bb
4	180115M2_4	Standard	2.000	3.25	2429.710	3760.921	3.230	1.8	-8.4	NO	0.993	NO	bb
5	180115M2_5	Standard	5.000	3.25	7106.033	3739.436	9.501	5.4	8.1	NO	0.993	NO	bb
6	180115M2_6	Standard	10.000	3.25	14392.021	4073.186	17.667	10.1	0.6	NO	0.993	NO	bb
7	180115M2_7	Standard	50.000	3.25	53584.609	3489.034	76.790	43.8	-12.5	NO	0.993	NO	bb
8	180115M2_8	Standard	100.000	3.24	123063.164	3308.405	185.986	106.0	6.0	NO	0.993	NO	bb

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time

Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: PFHpA

Correlation coefficient: $r = 0.997692$, $r^2 = 0.995389$

Calibration curve: $1.49645 * x + -0.0592287$

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	0.250	3.87	179.873	7169.426	0.314	0.2	-0.3	NO	0.995	NO	bb
2	2 180115M2_2	Standard	0.500	3.87	469.863	8300.460	0.708	0.5	2.5	NO	0.995	NO	bb
3	3 180115M2_3	Standard	1.000	3.87	1139.616	10064.894	1.415	1.0	-1.5	NO	0.995	NO	bb
4	4 180115M2_4	Standard	2.000	3.87	2080.912	8890.794	2.926	2.0	-0.3	NO	0.995	NO	bb
5	5 180115M2_5	Standard	5.000	3.87	5066.119	8790.349	7.204	4.9	-2.9	NO	0.995	NO	bb
6	6 180115M2_6	Standard	10.000	3.87	12529.151	9715.788	16.120	10.8	8.1	NO	0.995	NO	bb
7	7 180115M2_7	Standard	50.000	3.87	47028.797	8726.845	67.362	45.1	-9.9	NO	0.995	NO	bb
8	8 180115M2_8	Standard	100.000	3.86	101713.539	8149.912	156.004	104.3	4.3	NO	0.995	NO	bb

Compound name: L-PFHxS

Coefficient of Determination: $R^2 = 0.999726$

Calibration curve: $-0.0119577 * x^2 + 2.1128 * x + 0.0383417$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	0.250	4.01	38.643	793.087	0.609	0.3	8.2	NO	1.000	NO	MM
2	2 180115M2_2	Standard	0.500	4.02	85.314	971.136	1.098	0.5	0.6	NO	1.000	NO	MM
3	3 180115M2_3	Standard	1.000	4.01	182.145	1035.130	2.200	1.0	2.9	NO	1.000	NO	MM
4	4 180115M2_4	Standard	2.000	4.01	349.074	1074.646	4.060	1.9	-3.8	NO	1.000	NO	MM
5	5 180115M2_5	Standard	5.000	4.01	873.617	1083.133	10.082	4.9	-2.2	NO	1.000	NO	MM
6	6 180115M2_6	Standard	10.000	4.01	1964.532	1211.424	20.271	10.2	1.6	NO	1.000	NO	MM
7	7 180115M2_7	Standard	50.000	4.01	6470.750	1067.766	75.751	50.0	-0.1	NO	1.000	NO	MM
8	8 180115M2_8	Standard	100.000	4.01	14751.116	1041.940	176.967			NO	1.000	NO	MMXI

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time

Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: 6:2 FTS

Coefficient of Determination: $R^2 = 0.995384$

Calibration curve: $-0.00485621 * x^2 + 2.92773 * x + -0.123035$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x-excluded
1	180115M2_1	Standard	0.250	4.32	28.815	793.087	0.454	0.2	-21.1	NO	0.995	NO	MM
2	180115M2_2	Standard	0.500	4.34	118.251	971.136	1.522	0.6	12.5	NO	0.995	NO	bb
3	180115M2_3	Standard	1.000	4.34	221.274	1035.130	2.672	1.0	-4.4	NO	0.995	NO	bb
4	180115M2_4	Standard	2.000	4.33	430.245	1074.646	5.004	1.8	-12.2	NO	0.995	NO	bb
5	180115M2_5	Standard	5.000	4.32	1149.229	1083.133	13.263	4.6	-7.9	NO	0.995	NO	bb
6	180115M2_6	Standard	10.000	4.33	3333.318	1211.424	34.395	12.0	20.3	NO	0.995	NO	bb
7	180115M2_7	Standard	50.000	4.33	10895.729	1067.766	127.553	47.3	-5.4	NO	0.995	NO	bb
8	180115M2_8	Standard	100.000	4.32	20578.084	1041.940	246.872	101.4	1.4	NO	0.995	NO	bb

Compound name: L-PFOA

Correlation coefficient: $r = 0.997397$, $r^2 = 0.994801$

Calibration curve: $1.11967 * x + 0.355683$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x-excluded
1	180115M2_1	Standard	0.250	4.38	600.230	11129.100	0.674	0.3	13.8	NO	0.995	NO	bb
2	180115M2_2	Standard	0.500	4.39	831.124	12054.782	0.862	0.5	-9.6	NO	0.995	NO	bb
3	180115M2_3	Standard	1.000	4.39	1444.660	13949.129	1.295	0.8	-16.1	NO	0.995	NO	bb
4	180115M2_4	Standard	2.000	4.38	2614.963	13294.508	2.459	1.9	-6.1	NO	0.995	NO	bb
5	180115M2_5	Standard	5.000	4.38	6889.996	12417.951	6.936	5.9	17.5	NO	0.995	NO	bb
6	180115M2_6	Standard	10.000	4.39	14997.181	15251.905	12.291	10.7	6.6	NO	0.995	NO	bb
7	180115M2_7	Standard	50.000	4.38	52255.660	12829.036	50.915	45.2	-9.7	NO	0.995	NO	bb
8	180115M2_8	Standard	100.000	4.38	105739.719	11359.297	116.358	103.6	3.6	NO	0.995	NO	bb

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time
 Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: PFHpS

Coefficient of Determination: $R^2 = 0.998980$
 Calibration curve: $-0.00141138 * x^2 + 0.29869 * x + -0.030036$
 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
 Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	0.250	4.49	37.480	11129.10C	0.042	0.2	-3.3	NO	0.999	NO	MM
2	2 180115M2_2	Standard	0.500	4.49	130.063	12054.782	0.135	0.6	10.7	NO	0.999	NO	bb
3	3 180115M2_3	Standard	1.000	4.49	279.276	13949.129	0.250	0.9	-5.7	NO	0.999	NO	bb
4	4 180115M2_4	Standard	2.000	4.49	558.214	13294.508	0.525	1.9	-6.3	NO	0.999	NO	bb
5	5 180115M2_5	Standard	5.000	4.48	1514.899	12417.951	1.525	5.3	6.8	NO	0.999	NO	bb
6	6 180115M2_6	Standard	10.000	4.49	3361.794	15251.905	2.755	9.8	-2.2	NO	0.999	NO	bb
7	7 180115M2_7	Standard	50.000	4.49	11679.672	12829.036	11.380	50.0	0.1	NO	0.999	NO	bb
8	8 180115M2_8	Standard	100.000	4.48	25926.199	11359.297	28.530			NO	0.999	NO	bbXI

Compound name: PFNA

Coefficient of Determination: $R^2 = 0.998251$
 Calibration curve: $0.00123227 * x^2 + 1.35269 * x + -0.0256811$
 Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)
 Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	0.250	4.82	259.860	8611.178	0.377	0.3	19.1	NO	0.998	NO	bb
2	2 180115M2_2	Standard	0.500	4.82	449.605	10629.969	0.529	0.4	-18.1	NO	0.998	NO	bb
3	3 180115M2_3	Standard	1.000	4.82	1316.261	11370.316	1.447	1.1	8.8	NO	0.998	NO	bb
4	4 180115M2_4	Standard	2.000	4.81	2082.001	11056.825	2.354	1.8	-12.2	NO	0.998	NO	bb
5	5 180115M2_5	Standard	5.000	4.81	6798.414	13849.589	6.136	4.5	-9.3	NO	0.998	NO	bb
6	6 180115M2_6	Standard	10.000	4.81	15373.284	12422.833	15.469	11.3	13.4	NO	0.998	NO	bb
7	7 180115M2_7	Standard	50.000	4.81	56579.699	10235.261	69.099	48.9	-2.2	NO	0.998	NO	bb
8	8 180115M2_8	Standard	100.000	4.81	119351.391	10065.815	148.214	100.4	0.4	NO	0.998	NO	bb

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time

Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: PFOSA

Correlation coefficient: $r = 0.999519$, $r^2 = 0.999039$

Calibration curve: $1.2051 * x + -0.0242098$

Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	0.250	4.87	37.636	2018.146	0.233	0.2	-14.6	NO	0.999	NO	MM
2	180115M2_2	Standard	0.500	4.88	105.176	2450.537	0.536	0.5	-6.9	NO	0.999	NO	bb
3	180115M2_3	Standard	1.000	4.88	323.306	3263.926	1.238	1.0	4.8	NO	0.999	NO	bb
4	180115M2_4	Standard	2.000	4.88	552.892	2580.329	2.678	2.2	12.1	NO	0.999	NO	bb
5	180115M2_5	Standard	5.000	4.87	1393.146	2747.783	6.338	5.3	5.6	NO	0.999	NO	bb
6	180115M2_6	Standard	10.000	4.88	3058.177	3176.006	12.036	10.0	0.1	NO	0.999	NO	bb
7	180115M2_7	Standard	50.000	4.88	11742.631	2461.930	59.621	49.5	-1.0	NO	0.999	NO	bb
8	180115M2_8	Standard	100.000	4.87	25960.203	1976.078	164.215	136.3	36.3	NO	0.999	NO	bbX

Compound name: L-PFOS

Coefficient of Determination: $R^2 = 0.997719$

Calibration curve: $0.000945797 * x^2 + 1.10838 * x + -0.0443788$

Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	0.250	4.89	39.696	2273.944	0.218	0.2	-5.3	NO	0.998	NO	MM
2	180115M2_2	Standard	0.500	4.90	100.584	2945.228	0.427	0.4	-15.0	NO	0.998	NO	MM
3	180115M2_3	Standard	1.000	4.89	310.652	3464.374	1.121	1.1	5.0	NO	0.998	NO	MM
4	180115M2_4	Standard	2.000	4.89	535.144	3222.043	2.076	1.9	-4.5	NO	0.998	NO	MM
5	180115M2_5	Standard	5.000	4.89	1476.891	2939.392	6.281	5.7	13.6	NO	0.998	NO	MM
6	180115M2_6	Standard	10.000	4.89	3408.097	3461.071	12.309	11.0	10.4	NO	0.998	NO	MM
7	180115M2_7	Standard	50.000	4.89	12781.024	2933.493	54.462	47.3	-5.5	NO	0.998	NO	MM
8	180115M2_8	Standard	100.000	4.89	23913.445	2455.447	121.737	101.1	1.1	NO	0.998	NO	MM

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time
 Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: PFDA

Coefficient of Determination: $R^2 = 0.996672$
 Calibration curve: $0.0014094 * x^2 + 1.42444 * x + 0.0195565$
 Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
 Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	0.250	5.19	236.809	9117.220	0.325	0.2	-14.3	NO	0.997	NO	bb
2	180115M2_2	Standard	0.500	5.19	522.395	9259.429	0.705	0.5	-3.8	NO	0.997	NO	bb
3	180115M2_3	Standard	1.000	5.19	1297.286	10469.260	1.549	1.1	7.3	NO	0.997	NO	bb
4	180115M2_4	Standard	2.000	5.18	2358.456	11543.967	2.554	1.8	-11.2	NO	0.997	NO	bb
5	180115M2_5	Standard	5.000	5.18	6493.696	10095.664	8.040	5.6	12.0	NO	0.997	NO	bb
6	180115M2_6	Standard	10.000	5.19	13712.378	10322.235	16.605	11.5	15.1	NO	0.997	NO	bb
7	180115M2_7	Standard	50.000	5.19	49480.613	8868.471	69.742	46.8	-6.4	NO	0.997	NO	bb
8	180115M2_8	Standard	100.000	5.18	124944.242	9834.333	158.811	101.3	1.3	NO	0.997	NO	bb

Compound name: 8:2 FTS

Coefficient of Determination: $R^2 = 0.990883$
 Calibration curve: $-0.00290289 * x^2 + 0.283311 * x + -0.0505687$
 Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
 Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	0.250	5.16	13.774	9117.220	0.019	0.2	-1.7	NO	0.991	NO	MM
2	180115M2_2	Standard	0.500	5.16	45.840	9259.429	0.062	0.4	-20.3	NO	0.991	NO	MM
3	180115M2_3	Standard	1.000	5.16	258.452	10469.260	0.309	1.3	28.5	NO	0.991	NO	bb
4	180115M2_4	Standard	2.000	5.16	452.092	11543.967	0.490	1.9	-2.7	NO	0.991	NO	bb
5	180115M2_5	Standard	5.000	5.16	994.999	10095.664	1.232	4.8	-4.8	NO	0.991	NO	bb
6	180115M2_6	Standard	10.000	5.16	2080.582	10322.235	2.520	10.1	1.2	NO	0.991	NO	bb
7	180115M2_7	Standard	50.000	5.16	10637.392	8868.471	14.993			NO	0.991	YES	bbXI
8	180115M2_8	Standard	100.000	5.15	18031.459	9834.333	22.919			NO	0.991	YES	bbXI

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time

Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: N-MeFOSAA

Coefficient of Determination: R² = 0.999579

Calibration curve: -0.00488709 * x² + 1.70404 * x + -0.0213461

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	0.250	5.34	110.162	3668.057	0.375	0.2	-6.8	NO	1.000	NO	bb
2	180115M2_2	Standard	0.500	5.34	278.179	4068.198	0.855	0.5	3.0	NO	1.000	NO	bb
3	180115M2_3	Standard	1.000	5.34	608.335	4941.718	1.539	0.9	-8.2	NO	1.000	NO	bb
4	180115M2_4	Standard	2.000	5.33	1231.249	4259.577	3.613	2.1	7.3	NO	1.000	NO	bb
5	180115M2_5	Standard	5.000	5.33	3181.715	4700.651	8.461	5.1	1.0	NO	1.000	NO	bb
6	180115M2_6	Standard	10.000	5.34	6179.386	4734.263	16.316	9.9	-1.3	NO	1.000	NO	bb
7	180115M2_7	Standard	50.000	5.33	28100.633	4812.376	72.991	50.0	0.0	NO	1.000	NO	bb
8	180115M2_8	Standard	100.000	5.33	46974.879	4204.535	139.655	131.7	31.7	NO	1.000	NO	bbX

Compound name: N-EtFOSAA

Coefficient of Determination: R² = 0.999053

Calibration curve: -0.0014328 * x² + 1.31318 * x + -0.0721789

Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	0.250	5.49	100.263	4291.856	0.292	0.3	11.0	NO	0.999	NO	bb
2	180115M2_2	Standard	0.500	5.49	161.902	4807.261	0.421	0.4	-24.9	NO	0.999	NO	bb
3	180115M2_3	Standard	1.000	5.49	569.706	5925.357	1.202	1.0	-2.9	NO	0.999	NO	bb
4	180115M2_4	Standard	2.000	5.49	867.935	4489.890	2.416	1.9	-5.1	NO	0.999	NO	bb
5	180115M2_5	Standard	5.000	5.49	2512.091	5242.137	5.990	4.6	-7.2	NO	0.999	NO	bb
6	180115M2_6	Standard	10.000	5.49	6584.632	5935.848	13.866	10.7	7.4	NO	0.999	NO	bb
7	180115M2_7	Standard	50.000	5.49	21965.389	4444.999	61.770	49.8	-0.4	NO	0.999	NO	bb
8	180115M2_8	Standard	100.000	5.48	40613.773	4340.295	116.967	100.0	0.0	NO	0.999	NO	bb

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qid

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time
 Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: PFUdA

Coefficient of Determination: R² = 0.996917

Calibration curve: $-0.00723799 * x^2 + 1.36957 * x + -0.252476$

Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	0.250	5.51	291.033	10659.157	0.341	0.4	73.8	NO	0.997	NO	bbX
2	2 180115M2_2	Standard	0.500	5.51	541.356	12827.074	0.528	0.6	14.3	NO	0.997	NO	bb
3	3 180115M2_3	Standard	1.000	5.51	1323.581	14368.888	1.151	1.0	3.1	NO	0.997	NO	bb
4	4 180115M2_4	Standard	2.000	5.50	1949.719	12801.493	1.904	1.6	-20.6	NO	0.997	NO	bb
5	5 180115M2_5	Standard	5.000	5.50	5686.633	11208.095	6.342	4.9	-1.1	NO	0.997	NO	bb
6	6 180115M2_6	Standard	10.000	5.51	14467.421	13602.793	13.295	10.5	4.7	NO	0.997	NO	bb
7	7 180115M2_7	Standard	50.000	5.50	48741.223	12174.631	50.044	49.9	-0.3	NO	0.997	NO	bb
8	8 180115M2_8	Standard	100.000	5.50	109631.352	10688.771	128.209			NO	0.997	NO	bbXI

Compound name: PFDS

Coefficient of Determination: R² = 0.995370

Calibration curve: $-0.00111201 * x^2 + 0.354642 * x + -0.0526574$

Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	0.250	5.55	49.403	10659.157	0.058	0.3	24.9	NO	0.995	NO	MM
2	2 180115M2_2	Standard	0.500	5.56	81.719	12827.074	0.080	0.4	-25.3	NO	0.995	NO	MM
3	3 180115M2_3	Standard	1.000	5.55	298.787	14368.888	0.260	0.9	-11.6	NO	0.995	NO	bb
4	4 180115M2_4	Standard	2.000	5.55	698.640	12801.493	0.682	2.1	4.3	NO	0.995	NO	bb
5	5 180115M2_5	Standard	5.000	5.55	1750.839	11208.095	1.953	5.8	15.2	NO	0.995	NO	bb
6	6 180115M2_6	Standard	10.000	5.55	3408.681	13602.793	3.132	9.2	-7.5	NO	0.995	NO	bb
7	7 180115M2_7	Standard	50.000	5.55	14534.954	12174.631	14.923	50.1	0.2	NO	0.995	NO	bb
8	8 180115M2_8	Standard	100.000	5.55	29850.322	10688.771	34.909			NO	0.995	NO	bbXI

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Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time

Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: PFDa

Coefficient of Determination: $R^2 = 0.996448$

Calibration curve: $0.00269229 * x^2 + 1.39884 * x + 0.292328$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	0.250	5.79	300.361	6851.029	0.548	0.2	-26.9	NO	0.996	NO	bd
2	180115M2_2	Standard	0.500	5.79	604.702	8538.500	0.885	0.4	-15.3	NO	0.996	NO	bd
3	180115M2_3	Standard	1.000	5.79	1422.547	10789.430	1.648	1.0	-3.3	NO	0.996	NO	bd
4	180115M2_4	Standard	2.000	5.78	2700.776	9022.085	3.742	2.5	22.7	NO	0.996	NO	bd
5	180115M2_5	Standard	5.000	5.78	7561.792	10734.802	8.805	6.0	20.3	NO	0.996	NO	bd
6	180115M2_6	Standard	10.000	5.78	15299.965	12215.312	15.657	10.8	7.6	NO	0.996	NO	bd
7	180115M2_7	Standard	50.000	5.78	57159.984	9999.913	71.451	46.7	-6.6	NO	0.996	NO	bb
8	180115M2_8	Standard	100.000	5.78	110208.867	8119.767	169.661	101.3	1.3	NO	0.996	NO	bd

Compound name: N-MeFOSA

Correlation coefficient: $r = 0.999161$, $r^2 = 0.998323$

Calibration curve: $1.1181 * x + -0.100317$

Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	1.250	5.84	138.791	15969.864	1.304	1.3	0.5	NO	0.998	NO	bb
2	180115M2_2	Standard	2.500	5.84	298.599	17622.953	2.542	2.4	-5.5	NO	0.998	NO	bb
3	180115M2_3	Standard	5.000	5.84	735.826	21395.508	5.159	4.7	-5.9	NO	0.998	NO	bb
4	180115M2_4	Standard	10.000	5.84	1273.874	18699.383	10.219	9.2	-7.7	NO	0.998	NO	bb
5	180115M2_5	Standard	25.000	5.84	3744.515	19396.660	28.957	26.0	4.0	NO	0.998	NO	bb
6	180115M2_6	Standard	50.000	5.84	8920.301	21606.223	61.929	55.5	11.0	NO	0.998	NO	bb
7	180115M2_7	Standard	250.000	5.84	31396.402	17688.914	266.238	238.2	-4.7	NO	0.998	NO	bb
8	180115M2_8	Standard	500.000	5.84	64370.148	17051.773	566.247	506.5	1.3	NO	0.998	NO	bb

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time

Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: PFTrDA

Coefficient of Determination: R² = 0.997156

Calibration curve: -0.000208194 * x² + 2.13661 * x + 0.0644742

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	0.250	6.03	345.115	6851.029	0.630	0.3	5.8	NO	0.997	NO	bb
2	180115M2_2	Standard	0.500	6.03	831.761	8538.500	1.218	0.5	8.0	NO	0.997	NO	bb
3	180115M2_3	Standard	1.000	6.03	1617.529	10789.430	1.874	0.8	-15.3	NO	0.997	NO	bb
4	180115M2_4	Standard	2.000	6.03	3191.131	9022.085	4.421	2.0	2.0	NO	0.997	NO	bb
5	180115M2_5	Standard	5.000	6.03	7888.307	10734.802	9.185	4.3	-14.6	NO	0.997	NO	bb
6	180115M2_6	Standard	10.000	6.03	24356.207	12215.312	24.924	11.6	16.5	NO	0.997	NO	bb
7	180115M2_7	Standard	50.000	6.03	82605.594	9999.913	103.258	48.5	-2.9	NO	0.997	NO	bb
8	180115M2_8	Standard	100.000	6.03	138314.813	8119.767	212.929	100.6	0.6	NO	0.997	NO	bb

Compound name: PFTeDA

Coefficient of Determination: R² = 0.990929

Calibration curve: -0.0220572 * x² + 3.53283 * x + -0.322211

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	0.250	6.24	230.708	3811.400	0.757	0.3	22.4	NO	0.991	NO	MM
2	180115M2_2	Standard	0.500	6.24	526.336	4625.902	1.422	0.5	-0.9	NO	0.991	NO	MM
3	180115M2_3	Standard	1.000	6.24	1174.005	5784.110	2.537	0.8	-18.7	NO	0.991	NO	MM
4	180115M2_4	Standard	2.000	6.23	2327.498	4166.997	6.982	2.1	4.7	NO	0.991	NO	bb
5	180115M2_5	Standard	5.000	6.23	5510.744	5054.189	13.629	4.1	-19.0	NO	0.991	NO	MM
6	180115M2_6	Standard	10.000	6.24	15163.117	5187.430	36.538	11.2	12.2	NO	0.991	NO	MM
7	180115M2_7	Standard	50.000	6.23	46221.027	4785.019	120.744	49.7	-0.6	NO	0.991	NO	bb
8	180115M2_8	Standard	100.000	6.23	113973.711	5518.160	258.179			NO	0.991	NO	bbXI

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time
 Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: N-EtFOSA

Coefficient of Determination: $R^2 = 0.998672$
 Calibration curve: $7.78779e-006 * x^2 + 1.00573 * x + -0.161262$
 Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)
 Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	1.250	6.21	150.663	23192.393	0.974	1.1	-9.7	NO	0.999	NO	bb
2	180115M2_2	Standard	2.500	6.20	406.969	25547.748	2.389	2.5	1.4	NO	0.999	NO	bb
3	180115M2_3	Standard	5.000	6.20	1002.338	31434.623	4.783	4.9	-1.7	NO	0.999	NO	bb
4	180115M2_4	Standard	10.000	6.20	1755.511	27705.471	9.505	9.6	-3.9	NO	0.999	NO	bb
5	180115M2_5	Standard	25.000	6.20	5156.592	28494.203	27.145	27.1	8.6	NO	0.999	NO	bb
6	180115M2_6	Standard	50.000	6.21	11703.195	32255.756	54.424	54.3	8.5	NO	0.999	NO	bb
7	180115M2_7	Standard	250.000	6.21	40516.031	25211.236	241.059	239.4	-4.2	NO	0.999	NO	bb
8	180115M2_8	Standard	500.000	6.20	83391.828	24552.484	509.471	504.8	1.0	NO	0.999	NO	bb

Compound name: PFHxDA

Coefficient of Determination: $R^2 = 0.994875$
 Calibration curve: $-0.000963947 * x^2 + 0.816406 * x + 0.115618$
 Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
 Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	0.250	6.54	123.810	2113.428	0.293	0.2	-13.1	NO	0.995	NO	bb
2	180115M2_2	Standard	0.500	6.54	258.296	2775.093	0.465	0.4	-14.3	NO	0.995	NO	bb
3	180115M2_3	Standard	1.000	6.54	613.721	3282.116	0.935	1.0	0.5	NO	0.995	NO	bb
4	180115M2_4	Standard	2.000	6.54	951.224	2733.865	1.740	2.0	-0.3	NO	0.995	NO	bb
5	180115M2_5	Standard	5.000	6.54	2968.312	2890.199	5.135	6.2	23.9	NO	0.995	NO	bb
6	180115M2_6	Standard	10.000	6.54	5757.014	3217.573	8.946	11.0	9.6	NO	0.995	NO	bb
7	180115M2_7	Standard	50.000	6.54	23373.615	3292.356	35.497	45.8	-8.4	NO	0.995	NO	bb
8	180115M2_8	Standard	100.000	6.54	44946.250	3057.260	73.507	102.2	2.2	NO	0.995	NO	bb

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Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time

Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: PFODA

Coefficient of Determination: R² = 0.998411

Calibration curve: -0.00110371 * x² + 0.927917 * x + 0.0174073

Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x-excluded
1	180115M2_1	Standard	0.250	6.77	115.014	2113.428	0.272	0.3	9.8	NO	0.998	NO	bb
2	180115M2_2	Standard	0.500	6.77	242.942	2775.093	0.438	0.5	-9.4	NO	0.998	NO	MM
3	180115M2_3	Standard	1.000	6.77	550.045	3282.116	0.838	0.9	-11.5	NO	0.998	NO	bb
4	180115M2_4	Standard	2.000	6.76	1100.954	2733.865	2.014	2.2	7.8	NO	0.998	NO	bb
5	180115M2_5	Standard	5.000	6.76	2821.314	2890.199	4.881	5.3	5.5	NO	0.998	NO	bb
6	180115M2_6	Standard	10.000	6.76	6417.821	3217.573	9.973	10.9	8.7	NO	0.998	NO	bb
7	180115M2_7	Standard	50.000	6.76	27476.373	3292.356	41.728	47.7	-4.7	NO	0.998	NO	bb
8	180115M2_8	Standard	100.000	6.76	50531.801	3057.260	82.642	101.2	1.2	NO	0.998	NO	bb

Compound name: N-MeFOSE

Coefficient of Determination: R² = 0.995669

Calibration curve: -0.000576302 * x² + 1.20032 * x + -0.665296

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x-excluded
1	180115M2_1	Standard	1.250	6.30	174.170	20888.145	1.251	1.6	27.8	NO	0.996	NO	bb
2	180115M2_2	Standard	2.500	6.30	360.986	26082.570	2.076	2.3	-8.5	NO	0.996	NO	bb
3	180115M2_3	Standard	5.000	6.31	977.036	31250.859	4.690	4.5	-10.6	NO	0.996	NO	bb
4	180115M2_4	Standard	10.000	6.30	2180.307	29842.697	10.959	9.7	-2.7	NO	0.996	NO	bb
5	180115M2_5	Standard	25.000	6.30	6234.112	30325.629	30.836	26.6	6.3	NO	0.996	NO	bd
6	180115M2_6	Standard	50.000	6.30	11465.369	35709.676	48.161	41.5	-17.0	NO	0.996	NO	bd
7	180115M2_7	Standard	250.000	6.31	46049.070	24759.139	278.982	267.3	6.9	NO	0.996	NO	bb
8	180115M2_8	Standard	500.000	6.30	86639.500	28975.107	448.520	489.1	-2.2	NO	0.996	NO	bb

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time
 Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: N-EtFOSE

Coefficient of Determination: $R^2 = 0.999660$

Calibration curve: $0.00097229 * x^2 + 1.15972 * x + 0.350902$

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	1.250	6.45	222.976	22450.639	1.490	1.0	-21.5	NO	1.000	NO	bb
2	2 180115M2_2	Standard	2.500	6.46	541.090	21303.693	3.810	3.0	19.0	NO	1.000	NO	bb
3	3 180115M2_3	Standard	5.000	6.45	1251.249	31097.133	6.036	4.9	-2.4	NO	1.000	NO	bb
4	4 180115M2_4	Standard	10.000	6.45	2353.475	27869.063	12.667	10.5	5.3	NO	1.000	NO	bb
5	5 180115M2_5	Standard	25.000	6.45	5290.171	27858.053	28.485	23.8	-4.9	NO	1.000	NO	bb
6	6 180115M2_6	Standard	50.000	6.46	12232.546	28613.766	64.126	52.7	5.3	NO	1.000	NO	bd
7	7 180115M2_7	Standard	250.000	6.46	51195.125	22170.844	346.368	247.2	-1.1	NO	1.000	NO	bb
8	8 180115M2_8	Standard	500.000	6.45	111534.742	20270.486	825.348	501.0	0.2	NO	1.000	NO	bd

Compound name: 13C3-PFBA

Response Factor: 0.779165

RRF SD: 0.0334129, Relative SD: 4.2883

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	12.500	1.53	8006.990	10061.779	9.947	12.8	2.1	NO		NO	bb
2	2 180115M2_2	Standard	12.500	1.52	8945.453	11662.093	9.588	12.3	-1.6	NO		NO	bb
3	3 180115M2_3	Standard	12.500	1.52	11178.312	14677.296	9.520	12.2	-2.3	NO		NO	bb
4	4 180115M2_4	Standard	12.500	1.52	9860.501	12356.659	9.975	12.8	2.4	NO		NO	bb
5	5 180115M2_5	Standard	12.500	1.52	10104.886	13477.931	9.372	12.0	-3.8	NO		NO	bb
6	6 180115M2_6	Standard	12.500	1.52	10919.465	14699.104	9.286	11.9	-4.7	NO		NO	bb
7	7 180115M2_7	Standard	12.500	1.52	9706.659	11470.707	10.578	13.6	8.6	NO		NO	bb
8	8 180115M2_8	Standard	12.500	1.52	9008.640	11668.103	9.651	12.4	-0.9	NO		NO	bb

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qid

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time
 Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: 13C3-PFPeA

Response Factor: 0.796717
 RRF SD: 0.0707195, Relative SD: 8.87636
 Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	12.500	2.48	8868.418	12455.272	8.900	11.2	-10.6	NO		NO	bb
2	2 180115M2_2	Standard	12.500	2.48	10441.303	12561.499	10.390	13.0	4.3	NO		NO	bb
3	3 180115M2_3	Standard	12.500	2.48	13027.811	16767.305	9.712	12.2	-2.5	NO		NO	bb
4	4 180115M2_4	Standard	12.500	2.48	11372.540	14101.621	10.081	12.7	1.2	NO		NO	bb
5	5 180115M2_5	Standard	12.500	2.48	11971.679	15840.523	9.447	11.9	-5.1	NO		NO	bb
6	6 180115M2_6	Standard	12.500	2.48	12510.149	16157.200	9.678	12.1	-2.8	NO		NO	bb
7	7 180115M2_7	Standard	12.500	2.48	11201.616	11804.778	11.861	14.9	19.1	NO		NO	bb
8	8 180115M2_8	Standard	12.500	2.48	10375.532	13507.876	9.601	12.1	-3.6	NO		NO	bb

Compound name: 13C3-PFBS

Response Factor: 0.0950157
 RRF SD: 0.00787595, Relative SD: 8.2891
 Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	12.500	2.75	1196.924	12455.272	1.201	12.6	1.1	NO		NO	bb
2	2 180115M2_2	Standard	12.500	2.75	1206.778	12561.499	1.201	12.6	1.1	NO		NO	bb
3	3 180115M2_3	Standard	12.500	2.75	1442.793	16767.305	1.076	11.3	-9.4	NO		NO	bb
4	4 180115M2_4	Standard	12.500	2.75	1290.825	14101.621	1.144	12.0	-3.7	NO		NO	bb
5	5 180115M2_5	Standard	12.500	2.75	1432.762	15840.523	1.131	11.9	-4.8	NO		NO	bb
6	6 180115M2_6	Standard	12.500	2.75	1624.717	16157.200	1.257	13.2	5.8	NO		NO	bb
7	7 180115M2_7	Standard	12.500	2.75	1307.205	11804.778	1.384	14.6	16.5	NO		NO	bb
8	8 180115M2_8	Standard	12.500	2.75	1197.229	13507.876	1.108	11.7	-6.7	NO		NO	bb

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Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time

Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: 13C2-PFHxA

Response Factor: 0.636292

RRF SD: 0.0537257, Relative SD: 8.44356

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	5.000	3.25	2798.348	12455.272	2.808	4.4	-11.7	NO		NO	bb
2	2 180115M2_2	Standard	5.000	3.25	3301.620	12561.499	3.285	5.2	3.3	NO		NO	bb
3	3 180115M2_3	Standard	5.000	3.25	4246.745	16767.305	3.166	5.0	-0.5	NO		NO	bb
4	4 180115M2_4	Standard	5.000	3.25	3760.921	14101.621	3.334	5.2	4.8	NO		NO	bb
5	5 180115M2_5	Standard	5.000	3.25	3739.436	15840.523	2.951	4.6	-7.2	NO		NO	bb
6	6 180115M2_6	Standard	5.000	3.25	4073.186	16157.200	3.151	5.0	-1.0	NO		NO	bb
7	7 180115M2_7	Standard	5.000	3.25	3489.034	11804.778	3.695	5.8	16.1	NO		NO	bb
8	8 180115M2_8	Standard	5.000	3.24	3308.405	13507.876	3.062	4.8	-3.8	NO		NO	bb

Compound name: 13C4-PFHpA

Response Factor: 0.620752

RRF SD: 0.0575853, Relative SD: 9.2767

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	12.500	3.87	7169.426	12455.272	7.195	11.6	-7.3	NO		NO	bb
2	2 180115M2_2	Standard	12.500	3.87	8300.460	12561.499	8.260	13.3	6.4	NO		NO	bb
3	3 180115M2_3	Standard	12.500	3.87	10064.894	16767.305	7.503	12.1	-3.3	NO		NO	bb
4	4 180115M2_4	Standard	12.500	3.87	8890.794	14101.621	7.881	12.7	1.6	NO		NO	bb
5	5 180115M2_5	Standard	12.500	3.87	8790.349	15840.523	6.937	11.2	-10.6	NO		NO	bb
6	6 180115M2_6	Standard	12.500	3.87	9715.788	16157.200	7.517	12.1	-3.1	NO		NO	bb
7	7 180115M2_7	Standard	12.500	3.87	8726.845	11804.778	9.241	14.9	19.1	NO		NO	bb
8	8 180115M2_8	Standard	12.500	3.86	8149.912	13507.876	7.542	12.1	-2.8	NO		NO	bb

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time
 Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: 18O2-PFHxS

Response Factor: 0.335817

RRF SD: 0.0498507, Relative SD: 14.8446

Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	12.500	4.01	793.087	2804.372	3.535	10.5	-15.8	NO		NO	bb
2	2 180115M2_2	Standard	12.500	4.01	971.136	3149.166	3.855	11.5	-8.2	NO		NO	bb
3	3 180115M2_3	Standard	12.500	4.01	1035.130	3283.306	3.941	11.7	-6.1	NO		NO	bb
4	4 180115M2_4	Standard	12.500	4.01	1074.646	3088.549	4.349	13.0	3.6	NO		NO	bb
5	5 180115M2_5	Standard	12.500	4.01	1083.133	3535.805	3.829	11.4	-8.8	NO		NO	bb
6	6 180115M2_6	Standard	12.500	4.01	1211.424	3990.885	3.794	11.3	-9.6	NO		NO	bb
7	7 180115M2_7	Standard	12.500	4.01	1067.766	2610.740	5.112	15.2	21.8	NO		NO	bb
8	8 180115M2_8	Standard	12.500	4.01	1041.940	2521.238	5.166	15.4	23.1	NO		NO	bb

Compound name: 13C2-6:2 FTS

Response Factor: 0.192395

RRF SD: 0.0380277, Relative SD: 19.7655

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	12.500	4.33	1703.521	11387.326	1.870	9.7	-22.2	NO		NO	bb
2	2 180115M2_2	Standard	12.500	4.33	2145.071	12172.035	2.203	11.4	-8.4	NO		NO	bb
3	3 180115M2_3	Standard	12.500	4.33	2487.351	13726.202	2.265	11.8	-5.8	NO		NO	bb
4	4 180115M2_4	Standard	12.500	4.33	2144.726	13300.389	2.016	10.5	-16.2	NO		NO	bb
5	5 180115M2_5	Standard	12.500	4.33	2742.800	12814.540	2.675	13.9	11.2	NO		NO	bb
6	6 180115M2_6	Standard	12.500	4.33	2540.768	15285.250	2.078	10.8	-13.6	NO		NO	bb
7	7 180115M2_7	Standard	12.500	4.33	2945.466	11556.618	3.186	16.6	32.5	NO		NO	bb
8	8 180115M2_8	Standard	12.500	4.32	2820.117	11963.216	2.947	15.3	22.5	NO		NO	bb

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Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time

Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: 13C2-PFOA

Response Factor: 1.00125

RRF SD: 0.0485388, Relative SD: 4.84783

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	12.500	4.38	11129.100	11387.326	12.217	12.2	-2.4	NO		NO	bb
2	2 180115M2_2	Standard	12.500	4.39	12054.782	12172.035	12.380	12.4	-1.1	NO		NO	bb
3	3 180115M2_3	Standard	12.500	4.39	13949.129	13726.202	12.703	12.7	1.5	NO		NO	bb
4	4 180115M2_4	Standard	12.500	4.38	13294.508	13300.389	12.494	12.5	-0.2	NO		NO	bb
5	5 180115M2_5	Standard	12.500	4.38	12417.951	12814.540	12.113	12.1	-3.2	NO		NO	bb
6	6 180115M2_6	Standard	12.500	4.38	15251.905	15285.250	12.473	12.5	-0.3	NO		NO	bb
7	7 180115M2_7	Standard	12.500	4.38	12829.036	11556.618	13.876	13.9	10.9	NO		NO	bb
8	8 180115M2_8	Standard	12.500	4.38	11359.297	11963.216	11.869	11.9	-5.2	NO		NO	bb

Compound name: 13C5-PFNA

Response Factor: 0.810837

RRF SD: 0.0778338, Relative SD: 9.59919

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	12.500	4.81	8611.178	9887.708	10.886	13.4	7.4	NO		NO	bb
2	2 180115M2_2	Standard	12.500	4.82	10629.969	14541.915	9.137	11.3	-9.8	NO		NO	bb
3	3 180115M2_3	Standard	12.500	4.81	11370.316	15659.906	9.076	11.2	-10.5	NO		NO	bb
4	4 180115M2_4	Standard	12.500	4.81	11056.825	14165.005	9.757	12.0	-3.7	NO		NO	bb
5	5 180115M2_5	Standard	12.500	4.81	13849.589	14881.775	11.633	14.3	14.8	NO		NO	bb
6	6 180115M2_6	Standard	12.500	4.81	12422.833	16690.238	9.304	11.5	-8.2	NO		NO	bb
7	7 180115M2_7	Standard	12.500	4.81	10235.261	11566.101	11.062	13.6	9.1	NO		NO	bb
8	8 180115M2_8	Standard	12.500	4.81	10065.815	12301.464	10.228	12.6	0.9	NO		NO	bb

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Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time

Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: 13C8-PFOSA

Response Factor: 0.196454

RRF SD: 0.0326291, Relative SD: 16.609

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	12.500	4.88	2018.146	9597.051	2.629	13.4	7.0	NO		NO	bb
2	180115M2_2	Standard	12.500	4.88	2450.537	12232.438	2.504	12.7	2.0	NO		NO	bb
3	180115M2_3	Standard	12.500	4.88	3263.926	16108.975	2.533	12.9	3.1	NO		NO	bb
4	180115M2_4	Standard	12.500	4.88	2580.329	15359.841	2.100	10.7	-14.5	NO		NO	bb
5	180115M2_5	Standard	12.500	4.87	2747.783	14601.564	2.352	12.0	-4.2	NO		NO	bb
6	180115M2_6	Standard	12.500	4.88	3176.006	14430.306	2.751	14.0	12.0	NO		NO	bb
7	180115M2_7	Standard	12.500	4.88	2461.930	10068.811	3.056	15.6	24.5	NO		NO	bb
8	180115M2_8	Standard	12.500	4.87	1976.078	14359.005	1.720	8.8	-29.9	NO		NO	bb

Compound name: 13C8-PFOS

Response Factor: 0.861518

RRF SD: 0.080099, Relative SD: 9.29742

Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	12.500	4.89	2273.944	3065.292	9.273	10.8	-13.9	NO		NO	bb
2	180115M2_2	Standard	12.500	4.89	2945.228	3701.104	9.947	11.5	-7.6	NO		NO	bb
3	180115M2_3	Standard	12.500	4.89	3464.374	4167.454	10.391	12.1	-3.5	NO		NO	bb
4	180115M2_4	Standard	12.500	4.89	3222.043	3259.616	12.356	14.3	14.7	NO		NO	bb
5	180115M2_5	Standard	12.500	4.89	2939.392	3538.393	10.384	12.1	-3.6	NO		NO	bb
6	180115M2_6	Standard	12.500	4.89	3461.071	3917.062	11.045	12.8	2.6	NO		NO	bb
7	180115M2_7	Standard	12.500	4.89	2933.493	3367.256	10.890	12.6	1.1	NO		NO	bb
8	180115M2_8	Standard	12.500	4.89	2455.447	2586.616	11.866	13.8	10.2	NO		NO	bb

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Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time

Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: 13C2-PFDA

Response Factor: 0.995958

RRF SD: 0.0416295, Relative SD: 4.17985

Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	12.500	5.19	9117.220	8643.550	13.185	13.2	5.9	NO		NO	bb
2	180115M2_2	Standard	12.500	5.19	9259.429	9573.944	12.089	12.1	-2.9	NO		NO	bb
3	180115M2_3	Standard	12.500	5.19	10469.260	10839.729	12.073	12.1	-3.0	NO		NO	bb
4	180115M2_4	Standard	12.500	5.18	11543.967	11526.396	12.519	12.6	0.6	NO		NO	bb
5	180115M2_5	Standard	12.500	5.18	10095.664	10211.842	12.358	12.4	-0.7	NO		NO	bb
6	180115M2_6	Standard	12.500	5.19	10322.235	10477.224	12.315	12.4	-1.1	NO		NO	bb
7	180115M2_7	Standard	12.500	5.19	8868.471	9388.578	11.808	11.9	-5.2	NO		NO	bb
8	180115M2_8	Standard	12.500	5.18	9834.333	9278.257	13.249	13.3	6.4	NO		NO	bb

Compound name: 13C2-8:2 FTS

Response Factor: 0.102966

RRF SD: 0.0196885, Relative SD: 19.1214

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	12.500	5.16	1084.677	12455.272	1.089	10.6	-15.4	NO		NO	bb
2	180115M2_2	Standard	12.500	5.16	1447.292	12561.499	1.440	14.0	11.9	NO		NO	bb
3	180115M2_3	Standard	12.500	5.16	2016.216	16767.305	1.503	14.6	16.8	NO		NO	bb
4	180115M2_4	Standard	12.500	5.16	1733.439	14101.621	1.537	14.9	19.4	NO		NO	bb
5	180115M2_5	Standard	12.500	5.16	1179.393	15840.523	0.931	9.0	-27.7	NO		NO	bb
6	180115M2_6	Standard	12.500	5.16	1581.232	16157.200	1.223	11.9	-5.0	NO		NO	bb
7	180115M2_7	Standard	12.500	5.16	1661.151	11804.778	1.759	17.1	36.7	NO		NO	bbX
8	180115M2_8	Standard	12.500	5.16	1868.278	13507.876	1.729	16.8	34.3	NO		NO	bbX

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time

Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: d3-N-MeFOSAA

Response Factor: 0.339955

RRF SD: 0.0639138, Relative SD: 18.8007

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	12.500	5.33	3668.057	9597.051	4.778	14.1	12.4	NO		NO	bb
2	2 180115M2_2	Standard	12.500	5.33	4068.198	12232.438	4.157	12.2	-2.2	NO		NO	bb
3	3 180115M2_3	Standard	12.500	5.33	4941.718	16108.975	3.835	11.3	-9.8	NO		NO	bb
4	4 180115M2_4	Standard	12.500	5.33	4259.577	15359.841	3.466	10.2	-18.4	NO		NO	bb
5	5 180115M2_5	Standard	12.500	5.33	4700.651	14601.564	4.024	11.8	-5.3	NO		NO	bb
6	6 180115M2_6	Standard	12.500	5.33	4734.263	14430.306	4.101	12.1	-3.5	NO		NO	bb
7	7 180115M2_7	Standard	12.500	5.33	4812.376	10068.811	5.974	17.6	40.6	NO		NO	bb
8	8 180115M2_8	Standard	12.500	5.33	4204.535	14359.005	3.660	10.8	-13.9	NO		NO	bb

Compound name: d5-N-EtFOSAA

Response Factor: 0.376804

RRF SD: 0.0581665, Relative SD: 15.4368

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	12.500	5.49	4291.856	9597.051	5.590	14.8	18.7	NO		NO	bb
2	2 180115M2_2	Standard	12.500	5.49	4807.261	12232.438	4.912	13.0	4.3	NO		NO	bb
3	3 180115M2_3	Standard	12.500	5.49	5925.357	16108.975	4.598	12.2	-2.4	NO		NO	bb
4	4 180115M2_4	Standard	12.500	5.48	4489.890	15359.841	3.654	9.7	-22.4	NO		NO	bb
5	5 180115M2_5	Standard	12.500	5.48	5242.137	14601.564	4.488	11.9	-4.7	NO		NO	bb
6	6 180115M2_6	Standard	12.500	5.48	5935.848	14430.306	5.142	13.6	9.2	NO		NO	bb
7	7 180115M2_7	Standard	12.500	5.48	4444.999	10068.811	5.518	14.6	17.2	NO		NO	bb
8	8 180115M2_8	Standard	12.500	5.48	4340.295	14359.005	3.778	10.0	-19.8	NO		NO	bb

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time
 Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: 13C2-PFUdA

Response Factor: 0.943561
 RRF SD: 0.166868, Relative SD: 17.6849
 Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	12.500	5.51	10659.157	9597.051	13.883	14.7	17.7	NO		NO	bb
2	180115M2_2	Standard	12.500	5.51	12827.074	12232.438	13.108	13.9	11.1	NO		NO	bb
3	180115M2_3	Standard	12.500	5.51	14368.888	16108.975	11.150	11.8	-5.5	NO		NO	bb
4	180115M2_4	Standard	12.500	5.50	12801.493	15359.841	10.418	11.0	-11.7	NO		NO	bb
5	180115M2_5	Standard	12.500	5.50	11208.095	14601.564	9.595	10.2	-18.6	NO		NO	bb
6	180115M2_6	Standard	12.500	5.51	13602.793	14430.306	11.783	12.5	-0.1	NO		NO	bb
7	180115M2_7	Standard	12.500	5.50	12174.631	10068.811	15.114	16.0	28.1	NO		NO	bb
8	180115M2_8	Standard	12.500	5.50	10688.771	14359.005	9.305	9.9	-21.1	NO		NO	bb

Compound name: 13C2-PFDoA

Response Factor: 0.726172
 RRF SD: 0.138899, Relative SD: 19.1275
 Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	12.500	5.79	6851.029	9597.051	8.923	12.3	-1.7	NO		NO	bb
2	180115M2_2	Standard	12.500	5.79	8538.500	12232.438	8.725	12.0	-3.9	NO		NO	MM
3	180115M2_3	Standard	12.500	5.79	10789.430	16108.975	8.372	11.5	-7.8	NO		NO	bb
4	180115M2_4	Standard	12.500	5.78	9022.085	15359.841	7.342	10.1	-19.1	NO		NO	bb
5	180115M2_5	Standard	12.500	5.78	10734.802	14601.564	9.190	12.7	1.2	NO		NO	bb
6	180115M2_6	Standard	12.500	5.78	12215.312	14430.306	10.581	14.6	16.6	NO		NO	bb
7	180115M2_7	Standard	12.500	5.78	9999.913	10068.811	12.414	17.1	36.8	NO		NO	bb
8	180115M2_8	Standard	12.500	5.78	8119.767	14359.005	7.069	9.7	-22.1	NO		NO	bb

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Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time

Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: d3-N-MeFOSA

Response Factor: 0.118962

RRF SD: 0.0169862, Relative SD: 14.2787

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	150.000	5.86	15969.864	9597.051	20.800	174.9	16.6	NO		NO	bb
2	2 180115M2_2	Standard	150.000	5.86	17622.953	12232.438	18.008	151.4	0.9	NO		NO	bb
3	3 180115M2_3	Standard	150.000	5.86	21395.508	16108.975	16.602	139.6	-7.0	NO		NO	bb
4	4 180115M2_4	Standard	150.000	5.86	18699.383	15359.841	15.218	127.9	-14.7	NO		NO	bb
5	5 180115M2_5	Standard	150.000	5.86	19396.660	14601.564	16.605	139.6	-6.9	NO		NO	bb
6	6 180115M2_6	Standard	150.000	5.86	21606.223	14430.306	18.716	157.3	4.9	NO		NO	bb
7	7 180115M2_7	Standard	150.000	5.86	17688.914	10068.811	21.960	184.6	23.1	NO		NO	bb
8	8 180115M2_8	Standard	150.000	5.86	17051.773	14359.005	14.844	124.8	-16.8	NO		NO	bb

Compound name: 13C2-PFTeDA

Response Factor: 0.371352

RRF SD: 0.056833, Relative SD: 15.3043

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	12.500	6.24	3811.400	9597.051	4.964	13.4	6.9	NO		NO	bb
2	2 180115M2_2	Standard	12.500	6.24	4625.902	12232.438	4.727	12.7	1.8	NO		NO	bb
3	3 180115M2_3	Standard	12.500	6.24	5784.110	16108.975	4.488	12.1	-3.3	NO		NO	bb
4	4 180115M2_4	Standard	12.500	6.23	4166.997	15359.841	3.391	9.1	-26.9	NO		NO	MM
5	5 180115M2_5	Standard	12.500	6.23	5054.189	14601.564	4.327	11.7	-6.8	NO		NO	bb
6	6 180115M2_6	Standard	12.500	6.24	5187.430	14430.306	4.494	12.1	-3.2	NO		NO	MM
7	7 180115M2_7	Standard	12.500	6.23	4785.019	10068.811	5.940	16.0	28.0	NO		NO	bb
8	8 180115M2_8	Standard	12.500	6.23	5518.160	14359.005	4.804	12.9	3.5	NO		NO	bb

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time
 Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: d5-N-ETFOSA

Response Factor: 0.17355

RRF SD: 0.0236433, Relative SD: 13.6233

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	150.000	6.21	23192.393	9597.051	30.208	174.1	16.0	NO		NO	bb
2	2 180115M2_2	Standard	150.000	6.22	25547.748	12232.438	26.107	150.4	0.3	NO		NO	bb
3	3 180115M2_3	Standard	150.000	6.21	31434.623	16108.975	24.392	140.5	-6.3	NO		NO	bb
4	4 180115M2_4	Standard	150.000	6.21	27705.471	15359.841	22.547	129.9	-13.4	NO		NO	bb
5	5 180115M2_5	Standard	150.000	6.21	28494.203	14601.564	24.393	140.6	-6.3	NO		NO	bb
6	6 180115M2_6	Standard	150.000	6.22	32255.756	14430.306	27.941	161.0	7.3	NO		NO	bb
7	7 180115M2_7	Standard	150.000	6.22	25211.236	10068.811	31.299	180.3	20.2	NO		NO	bb
8	8 180115M2_8	Standard	150.000	6.21	24552.484	14359.005	21.374	123.2	-17.9	NO		NO	bb

Compound name: 13C2-PFHxDA

Response Factor: 0.559258

RRF SD: 0.111637, Relative SD: 19.9617

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	5.000	6.54	2113.428	9597.051	2.753	4.9	-1.6	NO		NO	MM
2	2 180115M2_2	Standard	5.000	6.54	2775.093	12232.438	2.836	5.1	1.4	NO		NO	bb
3	3 180115M2_3	Standard	5.000	6.54	3282.116	16108.975	2.547	4.6	-8.9	NO		NO	MM
4	4 180115M2_4	Standard	5.000	6.54	2733.865	15359.841	2.225	4.0	-20.4	NO		NO	MM
5	5 180115M2_5	Standard	5.000	6.54	2890.199	14601.564	2.474	4.4	-11.5	NO		NO	bb
6	6 180115M2_6	Standard	5.000	6.54	3217.573	14430.306	2.787	5.0	-0.3	NO		NO	bb
7	7 180115M2_7	Standard	5.000	6.54	3292.356	10068.811	4.087	7.3	46.2	NO		NO	MM
8	8 180115M2_8	Standard	5.000	6.54	3057.260	14359.005	2.661	4.8	-4.8	NO		NO	bb

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time
 Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: d7-N-MeFOSE

Response Factor: 0.179375

RRF SD: 0.0175828, Relative SD: 9.80226

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	150.000	6.29	20888.145	9597.051	27.206	151.7	1.1	NO		NO	bb
2	180115M2_2	Standard	150.000	6.29	26082.570	12232.438	26.653	148.6	-0.9	NO		NO	bb
3	180115M2_3	Standard	150.000	6.29	31250.859	16108.975	24.250	135.2	-9.9	NO		NO	bb
4	180115M2_4	Standard	150.000	6.29	29842.697	15359.841	24.286	135.4	-9.7	NO		NO	bb
5	180115M2_5	Standard	150.000	6.29	30325.629	14601.564	25.961	144.7	-3.5	NO		NO	bb
6	180115M2_6	Standard	150.000	6.29	35709.676	14430.306	30.933	172.4	15.0	NO		NO	bb
7	180115M2_7	Standard	150.000	6.29	24759.139	10068.811	30.737	171.4	14.2	NO		NO	bb
8	180115M2_8	Standard	150.000	6.29	28975.107	14359.005	25.224	140.6	-6.3	NO		NO	bb

Compound name: d9-N-EtFOSE

Response Factor: 0.159689

RRF SD: 0.0235867, Relative SD: 14.7704

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	150.000	6.44	22450.639	9597.051	29.242	183.1	22.1	NO		NO	bd
2	180115M2_2	Standard	150.000	6.45	21303.693	12232.438	21.770	136.3	-9.1	NO		NO	bb
3	180115M2_3	Standard	150.000	6.44	31097.133	16108.975	24.130	151.1	0.7	NO		NO	bb
4	180115M2_4	Standard	150.000	6.44	27869.063	15359.841	22.680	142.0	-5.3	NO		NO	bb
5	180115M2_5	Standard	150.000	6.44	27858.053	14601.564	23.849	149.3	-0.4	NO		NO	bb
6	180115M2_6	Standard	150.000	6.44	28613.766	14430.306	24.786	155.2	3.5	NO		NO	bb
7	180115M2_7	Standard	150.000	6.45	22170.844	10068.811	27.524	172.4	14.9	NO		NO	bb
8	180115M2_8	Standard	150.000	6.44	20270.486	14359.005	17.646	110.5	-26.3	NO		NO	bb

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time
 Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: 13C4-PFBA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	12.500	1.52	10061.779	10061.779	12.500	12.5	0.0	NO		NO	bb
2	180115M2_2	Standard	12.500	1.52	11662.093	11662.093	12.500	12.5	0.0	NO		NO	bb
3	180115M2_3	Standard	12.500	1.52	14677.296	14677.296	12.500	12.5	0.0	NO		NO	bb
4	180115M2_4	Standard	12.500	1.52	12356.659	12356.659	12.500	12.5	0.0	NO		NO	bb
5	180115M2_5	Standard	12.500	1.52	13477.931	13477.931	12.500	12.5	0.0	NO		NO	bb
6	180115M2_6	Standard	12.500	1.52	14699.104	14699.104	12.500	12.5	0.0	NO		NO	bb
7	180115M2_7	Standard	12.500	1.52	11470.707	11470.707	12.500	12.5	0.0	NO		NO	bb
8	180115M2_8	Standard	12.500	1.52	11668.103	11668.103	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C5-PFHxA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	12.500	3.25	12455.272	12455.272	12.500	12.5	0.0	NO		NO	bb
2	180115M2_2	Standard	12.500	3.25	12561.499	12561.499	12.500	12.5	0.0	NO		NO	bb
3	180115M2_3	Standard	12.500	3.25	16767.305	16767.305	12.500	12.5	0.0	NO		NO	bb
4	180115M2_4	Standard	12.500	3.25	14101.621	14101.621	12.500	12.5	0.0	NO		NO	bb
5	180115M2_5	Standard	12.500	3.24	15840.523	15840.523	12.500	12.5	0.0	NO		NO	bb
6	180115M2_6	Standard	12.500	3.25	16157.200	16157.200	12.500	12.5	0.0	NO		NO	bb
7	180115M2_7	Standard	12.500	3.25	11804.778	11804.778	12.500	12.5	0.0	NO		NO	bb
8	180115M2_8	Standard	12.500	3.24	13507.876	13507.876	12.500	12.5	0.0	NO		NO	bb

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Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time

Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: 13C3-PFHxS

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	12.500	4.01	2804.372	2804.372	12.500	12.5	0.0	NO		NO	bb
2	2 180115M2_2	Standard	12.500	4.01	3149.166	3149.166	12.500	12.5	0.0	NO		NO	bb
3	3 180115M2_3	Standard	12.500	4.01	3283.306	3283.306	12.500	12.5	0.0	NO		NO	bb
4	4 180115M2_4	Standard	12.500	4.01	3088.549	3088.549	12.500	12.5	0.0	NO		NO	bb
5	5 180115M2_5	Standard	12.500	4.01	3535.805	3535.805	12.500	12.5	0.0	NO		NO	bb
6	6 180115M2_6	Standard	12.500	4.01	3990.885	3990.885	12.500	12.5	0.0	NO		NO	bb
7	7 180115M2_7	Standard	12.500	4.01	2610.740	2610.740	12.500	12.5	0.0	NO		NO	bb
8	8 180115M2_8	Standard	12.500	4.01	2521.238	2521.238	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C8-PFOA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	12.500	4.38	11387.326	11387.326	12.500	12.5	0.0	NO		NO	bb
2	2 180115M2_2	Standard	12.500	4.39	12172.035	12172.035	12.500	12.5	0.0	NO		NO	bb
3	3 180115M2_3	Standard	12.500	4.39	13726.202	13726.202	12.500	12.5	0.0	NO		NO	bb
4	4 180115M2_4	Standard	12.500	4.38	13300.389	13300.389	12.500	12.5	0.0	NO		NO	bb
5	5 180115M2_5	Standard	12.500	4.38	12814.540	12814.540	12.500	12.5	0.0	NO		NO	bb
6	6 180115M2_6	Standard	12.500	4.39	15285.250	15285.250	12.500	12.5	0.0	NO		NO	bb
7	7 180115M2_7	Standard	12.500	4.38	11556.618	11556.618	12.500	12.5	0.0	NO		NO	bb
8	8 180115M2_8	Standard	12.500	4.38	11963.216	11963.216	12.500	12.5	0.0	NO		NO	bb

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time
 Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: 13C9-PFNA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	12.500	4.81	9887.708	9887.708	12.500	12.5	0.0	NO		NO	bb
2	2 180115M2_2	Standard	12.500	4.82	14541.915	14541.915	12.500	12.5	0.0	NO		NO	bb
3	3 180115M2_3	Standard	12.500	4.81	15659.906	15659.906	12.500	12.5	0.0	NO		NO	bb
4	4 180115M2_4	Standard	12.500	4.81	14165.005	14165.005	12.500	12.5	0.0	NO		NO	bb
5	5 180115M2_5	Standard	12.500	4.81	14881.775	14881.775	12.500	12.5	0.0	NO		NO	bb
6	6 180115M2_6	Standard	12.500	4.81	16690.238	16690.238	12.500	12.5	0.0	NO		NO	bb
7	7 180115M2_7	Standard	12.500	4.81	11566.101	11566.101	12.500	12.5	0.0	NO		NO	bb
8	8 180115M2_8	Standard	12.500	4.81	12301.464	12301.464	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C4-PFOS

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180115M2_1	Standard	12.500	4.89	3065.292	3065.292	12.500	12.5	0.0	NO		NO	bb
2	2 180115M2_2	Standard	12.500	4.89	3701.104	3701.104	12.500	12.5	0.0	NO		NO	bb
3	3 180115M2_3	Standard	12.500	4.89	4167.454	4167.454	12.500	12.5	0.0	NO		NO	bb
4	4 180115M2_4	Standard	12.500	4.89	3259.616	3259.616	12.500	12.5	0.0	NO		NO	bb
5	5 180115M2_5	Standard	12.500	4.89	3538.393	3538.393	12.500	12.5	0.0	NO		NO	bb
6	6 180115M2_6	Standard	12.500	4.89	3917.062	3917.062	12.500	12.5	0.0	NO		NO	bb
7	7 180115M2_7	Standard	12.500	4.89	3367.256	3367.256	12.500	12.5	0.0	NO		NO	bb
8	8 180115M2_8	Standard	12.500	4.89	2586.616	2586.616	12.500	12.5	0.0	NO		NO	bb

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time
 Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Compound name: 13C6-PFDA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	12.500	5.19	8643.550	8643.550	12.500	12.5	0.0	NO		NO	bb
2	180115M2_2	Standard	12.500	5.19	9573.944	9573.944	12.500	12.5	0.0	NO		NO	bb
3	180115M2_3	Standard	12.500	5.19	10839.729	10839.729	12.500	12.5	0.0	NO		NO	bb
4	180115M2_4	Standard	12.500	5.18	11526.396	11526.396	12.500	12.5	0.0	NO		NO	bb
5	180115M2_5	Standard	12.500	5.18	10211.842	10211.842	12.500	12.5	0.0	NO		NO	bb
6	180115M2_6	Standard	12.500	5.19	10477.224	10477.224	12.500	12.5	0.0	NO		NO	bb
7	180115M2_7	Standard	12.500	5.19	9388.578	9388.578	12.500	12.5	0.0	NO		NO	bb
8	180115M2_8	Standard	12.500	5.18	9278.257	9278.257	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C7-PFUDa

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180115M2_1	Standard	12.500	5.51	9597.051	9597.051	12.500	12.5	0.0	NO		NO	bb
2	180115M2_2	Standard	12.500	5.51	12232.438	12232.438	12.500	12.5	0.0	NO		NO	bb
3	180115M2_3	Standard	12.500	5.51	16108.975	16108.975	12.500	12.5	0.0	NO		NO	bb
4	180115M2_4	Standard	12.500	5.50	15359.841	15359.841	12.500	12.5	0.0	NO		NO	bb
5	180115M2_5	Standard	12.500	5.50	14601.564	14601.564	12.500	12.5	0.0	NO		NO	bb
6	180115M2_6	Standard	12.500	5.51	14430.306	14430.306	12.500	12.5	0.0	NO		NO	bb
7	180115M2_7	Standard	12.500	5.50	10068.811	10068.811	12.500	12.5	0.0	NO		NO	bb
8	180115M2_8	Standard	12.500	5.50	14359.005	14359.005	12.500	12.5	0.0	NO		NO	bb

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time
Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_011518.mdb 15 Jan 2018 11:38:30

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_01-15-18-FULL-OLD.cdb 16 Jan 2018 10:22:57

Name: 180115M2_1, Date: 16-Jan-2018, Time: 00:14:07, ID: ST180115M2-1 PFC CS-2 17L2606, Description: PFC CS-2 17L2606

#	Name	CoD	CoD Flag	%RSD
1	1 PFBA	0.9972	NO	
2	2 PFPeA	0.9960	NO	
3	3 PFBS	0.9964	NO	
4	4 PFHxA	0.9925	NO	
5	5 PFHpA	0.9954	NO	
6	6 L-PFHxS	0.9997	NO	
7	8 6:2 FTS	0.9954	NO	
8	9 L-PFOA	0.9948	NO	
9	11 PFHpS	0.9990	NO	
10	12 PFNA	0.9983	NO	
11	13 PFOSA	0.9990	NO	
12	14 L-PFOS	0.9977	NO	
13	16 PFDA	0.9967	NO	
14	17 8:2 FTS	0.9909	NO	
15	18 N-MeFOSAA	0.9996	NO	
16	19 N-EtFOSAA	0.9991	NO	
17	20 PFUdA	0.9969	NO	
18	21 PFDS	0.9954	NO	
19	22 PFDoA	0.9964	NO	
20	23 N-MeFOSA	0.9983	NO	
21	24 PFTrDA	0.9972	NO	
22	25 PFTeDA	0.9909	NO	
23	26 N-EtFOSA	0.9987	NO	
24	27 PFHxDA	0.9949	NO	
25	28 PFODA	0.9984	NO	
26	29 N-MeFOSE	0.9957	NO	
27	30 N-EtFOSE	0.9997	NO	
28	31 13C3-PFBA		NO	4.288
29	32 13C3-PFPeA		NO	8.876
30	33 13C3-PFBS		NO	8.289
31	34 13C2-PFHxA		NO	8.444

Work Order: 1701933

Dataset: U:\Q4.PRO\results\180115M2\180115M2-CRV.qld

Last Altered: Tuesday, January 16, 2018 10:22:57 Pacific Standard Time

Printed: Tuesday, January 16, 2018 10:29:14 Pacific Standard Time

Name: 180115M2_1, Date: 16-Jan-2018, Time: 00:14:07, ID: ST180115M2-1 PFC CS-2 17L2606, Description: PFC CS-2 17L2606

#	Name	CoD	CoD Flag	%RSD
32	35 13C4-PFHpA		NO	9.277
33	36 18O2-PFHxS		NO	14.845
34	37 13C2-6:2 FTS		NO	19.765
35	38 13C2-PFOA		NO	4.848
36	39 13C5-PFNA		NO	9.599
37	40 13C8-PFOA		NO	16.609
38	41 13C8-PFOS		NO	9.297
39	42 13C2-PFDA		NO	4.180
40	43 13C2-8:2 FTS		NO	19.121
41	44 d3-N-MeFOSAA		NO	18.801
42	45 d5-N-EtFOSAA		NO	15.437
43	46 13C2-PFUdA		NO	17.685
44	47 13C2-PFDoA		NO	19.128
45	48 d3-N-MeFOSA		NO	14.279
46	49 13C2-PFTeDA		NO	15.304
47	50 d5-N-ETFOA		NO	13.623
48	51 13C2-PFHxDA		NO	19.962
49	52 d7-N-MeFOSE		NO	9.802
50	53 d9-N-EtFOSE		NO	14.770
51	54 13C4-PFBA		NO	0.000
52	55 13C5-PFHxA		NO	0.000
53	56 13C3-PFHxS		NO	0.000
54	57 13C8-PFOA		NO	0.000
55	58 13C9-PFNA		NO	0.000
56	59 13C4-PFOS		NO	0.000
57	60 13C6-PFDA		NO	0.000
58	61 13C7-PFUdA		NO	0.000

Dataset: Untitled

Last Altered: Tuesday, January 16, 2018 10:06:30 Pacific Standard Time

Printed: Tuesday, January 16, 2018 10:09:05 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_011518.mdb 15 Jan 2018 11:38:30

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_01-15-18-FULL-OLD.cdb 16 Jan 2018 09:37:18

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180115M2_1	ST180115M2-1 PFC CS-2 17L2606	16-Jan-18	00:14:07
2	180115M2_2	ST180115M2-2 PFC CS-1 17L2607	16-Jan-18	00:25:32
3	180115M2_3	ST180115M2-3 PFC CS0 17L2608	16-Jan-18	00:37:02
4	180115M2_4	ST180115M2-4 PFC CS1 17L2609	16-Jan-18	00:48:46
5	180115M2_5	ST180115M2-5 PFC CS2 17L2610	16-Jan-18	01:00:17
6	180115M2_6	ST180115M2-6 PFC CS3 17L2611	16-Jan-18	01:11:44
7	180115M2_7	ST180115M2-7 PFC CS4 17L1208	16-Jan-18	01:23:11
8	180115M2_8	ST180115M2-8 PFC CS5 17L2613	16-Jan-18	01:34:38
9	180115M2_9	IPA	16-Jan-18	01:46:05
10	180115M2_10	ICV180115M2-1 PFC ICV 17L1201	16-Jan-18	01:57:31
11	180115M2_11	IPA	16-Jan-18	02:08:58

Dataset: U:\Q4.PRO\results\180115M2\180115M2-10.qld

Last Altered: Tuesday, January 16, 2018 10:33:59 Pacific Standard Time
Printed: Tuesday, January 16, 2018 10:34:30 Pacific Standard Time

Ⓐ PFDS < 70%
Ⓑ NO SS available.

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_011518.mdb 15 Jan 2018 11:38:30

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_01-15-18-FULL-OLD.cdb 16 Jan 2018 10:22:57

Name: 180115M2_10, Date: 16-Jan-2018, Time: 01:57:31, ID: ICV180115M2-1 PFC ICV 17L1201, Description: PFC ICV 17L1201

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01/16/2018

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	4.22e4	4.31e4	1.0000		1.64	1.53	12.2	9.143	91.4
2	2 PFPeA	263.1 > 218.9	3.87e4	4.74e4	1.0000		2.60	2.48	10.2	8.865	88.7
3	3 PFBS	299.0 > 79.7	7.49e3	5.83e3	1.0000		2.87	2.74	16.1	8.388	83.9
4	4 PFHxA	313.2 > 268.9	5.03e4	1.55e4	1.0000		3.36	3.25	16.2	9.233	92.3
5	5 PFHpA	363.0 > 318.9	3.86e4	3.81e4	1.0000		4.00	3.86	12.7	8.516	85.2
6	6 L-PFHxS	398.9 > 79.6	5.32e3	4.45e3	1.0000		4.14	4.01	15.0	7.365	73.7
7	8 6:2 FTS	427.1 > 407	7.45e3	4.45e3	1.0000		4.46	4.32	20.9	7.277	72.8
8	9 L-PFOA	413 > 368.7	4.17e4	5.84e4	1.0000		4.50	4.38	8.91	7.641	76.4
9	11 PFHpS	449 > 80.0	1.07e4	5.84e4	1.0000		4.60	4.48	2.29	8.064	80.6
10	12 PFNA	463.0 > 418.8	4.68e4	4.69e4	1.0000		4.94	4.81	12.5	9.162	91.6
11	13 PFOSA	498.1 > 77.8	3.83e3	3.99e3	1.0000		5.00	4.87	12.0	9.978	99.8
12	14 L-PFOS	499 > 79.9	9.56e3	1.09e4	1.0000		5.02	4.89	11.0	9.839	98.4
13	16 PFDA	513 > 468.8	3.70e4	4.01e4	1.0000		5.31	5.18	11.5	8.007	80.1
14	17 8:2 FTS	527 > 506.9	6.16e3	4.01e4	1.0000		5.28	5.15	1.92	7.523	75.2
15	18 N-MeFOSAA	570.1 > 419	1.06e4	9.21e3	1.0000		5.45	5.33	14.4	8.677	86.8
16	19 N-EtFOSAA	584.2 > 419	8.54e3	1.06e4	1.0000		5.60	5.48	10.0	7.762	77.6
17	20 PFUdA	563.0 > 518.9	1.34e4	1.66e4	1.0000		5.62	5.50	10.1	7.882	78.8
18	21 PFDS	598.8 > 80	1.97e3	1.66e4	1.0000		5.67	5.55	1.48	4.394	43.9
19	22 PFDoA	612.9 > 569.0	7.26e3	5.53e3	1.0000		5.91	5.78	16.4	11.272	112.7
20	23 N-MeFOSA	512.1 > 168.9		2.76e3	1.0000		5.87				
21	24 PFTrDA	662.9 > 618.9	6.78e3	5.53e3	1.0000		6.15	6.03	15.3	7.147	71.5
22	25 PFTeDA	712.9 > 668.8	3.76e3	1.87e3	1.0000		6.35	6.23	25.2	7.572	75.7
23	26 N-EtFOSA	526.1 > 168.9		2.97e3	1.0000		6.25				
24	27 PFHxDA	813.1 > 768.6		1.01e3	1.0000		6.64				
25	28 PFODA	913.1 > 868.8		1.01e3	1.0000		6.85				
26	29 N-MeFOSE	616.1 > 58.9		1.02e4	1.0000		6.31				
27	30 N-EtFOSE	630.1 > 58.9		9.18e3	1.0000		6.45				
28	31 13C3-PFBA	216.1 > 171.8	4.31e4	4.78e4	1.0000	0.779	1.64	1.53	11.3	14.466	115.7
29	32 13C3-PFPeA	266. > 221.8	4.74e4	5.13e4	1.0000	0.797	2.60	2.48	11.5	14.472	115.8
30	33 13C3-PFBS	302. > 98.8	5.83e3	5.13e4	1.0000	0.095	2.87	2.75	1.42	14.929	119.4
	34 13C3-PFHxA	313.2 > 268.9	1.55e4	5.13e4	1.0000	0.636	3.36	3.25	3.78	5.937	118.7

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Work Order 1701953

Dataset: U:\Q4.PRO\results\180115M2\180115M2-10.qld

Last Altered: Tuesday, January 16, 2018 10:33:59 Pacific Standard Time

Printed: Tuesday, January 16, 2018 10:34:30 Pacific Standard Time

Name: 180115M2_10, Date: 16-Jan-2018, Time: 01:57:31, ID: ICV180115M2-1 PFC ICV 17L1201, Description: PFC ICV 17L1201

	# Name	Trace	Area	IS Area	w/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35 13C4-PFHpA	367.2 > 321.8	3.81e4	5.13e4	1.0000	0.621	4.00	3.86	9.27	14.929	119.4
33	36 18O2-PFHxS	403.0 > 102.6	4.45e3	1.25e4	1.0000	0.336	4.14	4.01	4.44	13.221	105.8
34	37 13C2-6:2 FTS	429.1 > 408.9	9.75e3	4.79e4	1.0000	0.192	4.46	4.33	2.55	13.229	105.8
35	38 13C2-PFOA	414.9 > 369.7	5.84e4	4.79e4	1.0000	1.001	4.50	4.38	15.3	15.234	121.9
36	39 13C5-PFNA	468.2 > 422.9	4.69e4	4.38e4	1.0000	0.811	4.94	4.81	13.4	16.506	132.0
37	40 13C8-PFOA	506.1 > 77.7	3.99e3	1.79e4	1.0000	0.196	5.00	4.87	2.78	14.134	113.1
38	41 13C8-PFOS	507.0 > 79.9	1.09e4	1.14e4	1.0000	0.862	5.02	4.89	11.9	13.836	110.7
39	42 13C2-PFDA	515.1 > 469.9	4.01e4	3.72e4	1.0000	0.996	5.31	5.18	13.5	13.560	108.5
40	43 13C2-8:2 FTS	529.1 > 508.7	4.91e3	5.13e4	1.0000	0.103	5.28	5.15	1.19	11.599	92.8
41	44 d3-N-MeFOSAA	573.3 > 419	9.21e3	1.79e4	1.0000	0.340	5.45	5.32	6.42	18.871	151.0
42	45 d5-N-EtFOSAA	589.3 > 419	1.06e4	1.79e4	1.0000	0.377	5.60	5.48	7.41	19.663	157.3
43	46 13C2-PFUdA	565 > 519.8	1.66e4	1.79e4	1.0000	0.944	5.62	5.50	11.5	12.235	97.9
44	47 13C2-PFDoA	615.0 > 569.7	5.53e3	1.79e4	1.0000	0.726	5.91	5.78	3.85	5.307	42.5
45	48 d3-N-MeFOSA	515.2 > 168.9	2.76e3	1.79e4	1.0000	0.119	5.87	5.86	1.92	16.158	10.8
46	49 13C2-PFTeDA	714.8 > 669.6	1.87e3	1.79e4	1.0000	0.371	6.35	6.23	1.30	3.503	28.0
47	50 d5-N-ETFOSA	531.1 > 168.9	2.97e3	1.79e4	1.0000	0.174	6.25	6.21	2.07	11.921	7.9
48	51 13C2-PFHxDA	815 > 769.7	1.01e3	1.79e4	1.0000	0.559	6.64	6.54	0.702	1.256	25.1
49	52 d7-N-MeFOSE	623.1 > 58.9	1.02e4	1.79e4	1.0000	0.179	6.31	6.29	7.09	39.533	26.4
50	53 d9-N-EtFOSE	639.2 > 58.8	9.18e3	1.79e4	1.0000	0.160	6.45	6.44	6.40	40.069	26.7
51	54 13C4-PFBA	217. > 171.8	4.78e4	4.78e4	1.0000	1.000	1.64	1.52	12.5	12.500	100.0
52	55 13C5-PFHxA	318 > 272.9	5.13e4	5.13e4	1.0000	1.000	3.36	3.25	12.5	12.500	100.0
53	56 13C3-PFHxS	401.9 > 79.9	1.25e4	1.25e4	1.0000	1.000	4.14	4.01	12.5	12.500	100.0
54	57 13C8-PFOA	421.3 > 376	4.79e4	4.79e4	1.0000	1.000	4.50	4.38	12.5	12.500	100.0
55	58 13C9-PFNA	472.2 > 426.9	4.38e4	4.38e4	1.0000	1.000	4.94	4.81	12.5	12.500	100.0
56	59 13C4-PFOS	503 > 79.9	1.14e4	1.14e4	1.0000	1.000	5.02	4.89	12.5	12.500	100.0
57	60 13C6-PFDA	519.1 > 473.7	3.72e4	3.72e4	1.0000	1.000	5.31	5.18	12.5	12.500	100.0
58	61 13C7-PFUdA	570.1 > 524.8	1.79e4	1.79e4	1.0000	1.000	5.62	5.50	12.5	12.500	100.0

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
 Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 08:59:53
 Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

AC
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 ✓ JA 01/31/2018

Compound name: PFBA

Correlation coefficient: $r = 0.999349$, $r^2 = 0.998699$
 Calibration curve: $1.16442 * x + -0.0439979$
 Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)
 Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180130M2_2	Standard	0.250	1.29	145.752	6876.616	0.265	0.3	6.1	NO	0.999	NO	MM
2	180130M2_3	Standard	0.500	1.28	242.794	6670.910	0.455	0.4	-14.3	NO	0.999	NO	bb
3	180130M2_4	Standard	1.000	1.29	489.506	6686.141	0.915	0.8	-17.6	NO	0.999	NO	bb
4	180130M2_5	Standard	2.000	1.29	1313.948	7453.242	2.204	1.9	-3.5	NO	0.999	NO	MM
5	180130M2_6	Standard	5.000	1.28	3497.962	7296.654	5.992	5.2	3.7	NO	0.999	NO	MM
6	180130M2_7	Standard	10.000	1.29	6875.646	7576.361	11.344	9.8	-2.2	NO	0.999	NO	MM
7	180130M2_8	Standard	50.000	1.29	40954.395	7914.732	64.681	55.6	11.2	NO	0.999	NO	bb
8	180130M2_9	Standard	100.000	1.29	85612.492	8748.384	122.326	105.1	5.1	NO	0.999	NO	bb
9	180130M2_10	Standard	250.000	1.29	180015.000	7969.932	282.335	242.5	-3.0	NO	0.999	NO	MM
10	180130M2_11	Standard	500.000	1.29	396476.313	8561.667	578.854	497.2	-0.6	NO	0.999	NO	MM

Compound name: PFPeA

Correlation coefficient: $r = 0.999864$, $r^2 = 0.999727$
 Calibration curve: $1.00957 * x + 0.0379804$
 Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
 Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180130M2_2	Standard	0.250	2.24	250.834	11593.497	0.270	0.2	-7.9	NO	1.000	NO	bb
2	180130M2_3	Standard	0.500	2.24	484.132	11553.364	0.524	0.5	-3.8	NO	1.000	NO	bb
3	180130M2_4	Standard	1.000	2.24	1019.479	12093.586	1.054	1.0	0.6	NO	1.000	NO	bb
4	180130M2_5	Standard	2.000	2.25	1989.568	11420.756	2.178	2.1	6.0	NO	1.000	NO	bb
5	180130M2_6	Standard	5.000	2.25	4738.599	11755.113	5.039	5.0	-0.9	NO	1.000	NO	bb
6	180130M2_7	Standard	10.000	2.25	10036.212	12249.239	10.242	10.1	1.1	NO	1.000	NO	bb
7	180130M2_8	Standard	50.000	2.25	48651.629	11794.470	51.562	51.0	2.1	NO	1.000	NO	bb
8	180130M2_9	Standard	100.000	2.24	103238.492	12359.346	104.413	103.4	3.4	NO	1.000	NO	bb
9	180130M2_10	Standard	250.000	2.25	227881.016	11197.215	254.395	251.9	0.8	NO	1.000	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
 Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: PFPeA

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
10	10 180130M2_11	Standard	500.000	2.25	428860.938	10759.299	498.245	493.5	-1.3	NO	1.000	NO	bb

Compound name: PFBS

Coefficient of Determination: R² = 0.999648
 Calibration curve: -0.000192588 * x² + 1.79867 * x + 0.0797843
 Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
 Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	2.52	67.222	1557.144	0.540	0.3	2.3	NO	1.000	NO	bb
2	2 180130M2_3	Standard	0.500	2.52	120.004	1504.408	0.997	0.5	2.0	NO	1.000	NO	bb
3	3 180130M2_4	Standard	1.000	2.52	194.592	1373.188	1.771	0.9	-5.9	NO	1.000	NO	bb
4	4 180130M2_5	Standard	2.000	2.53	408.037	1405.841	3.628	2.0	-1.3	NO	1.000	NO	bb
5	5 180130M2_6	Standard	5.000	2.53	1040.156	1473.915	8.821	4.9	-2.7	NO	1.000	NO	bb
6	6 180130M2_7	Standard	10.000	2.53	2277.262	1524.539	18.672	10.3	3.5	NO	1.000	NO	bb
7	7 180130M2_8	Standard	50.000	2.52	11245.538	1550.796	90.643	50.6	1.2	NO	1.000	NO	bb
8	8 180130M2_9	Standard	100.000	2.53	22382.773	1524.122	183.571	103.2	3.2	NO	1.000	NO	bb
9	9 180130M2_10	Standard	250.000	2.52	48666.789	1426.854	426.347	243.3	-2.7	NO	1.000	NO	bb
10	10 180130M2_11	Standard	500.000	2.53	89676.133	1309.955	855.718	502.8	0.6	NO	1.000	NO	bb

Compound name: 4:2 FTS

Coefficient of Determination: R² = 0.998629
 Calibration curve: -0.00142534 * x² + 1.86892 * x + 0.00922081
 Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
 Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	2.92	56.679	1557.144	0.455	0.2	-4.6	NO	0.999	NO	MM
2	2 180130M2_3	Standard	0.500	2.92	96.315	1504.408	0.800	0.4	-15.3	NO	0.999	NO	bb
3	3 180130M2_4	Standard	1.000	2.93	230.535	1373.188	2.099	1.1	11.9	NO	0.999	NO	bb
4	4 180130M2_5	Standard	2.000	2.93	438.188	1405.841	3.896	2.1	4.2	NO	0.999	NO	bb
5	5 180130M2_6	Standard	5.000	2.93	1114.400	1473.915	9.451	5.1	1.4	NO	0.999	NO	bb
6	6 180130M2_7	Standard	10.000	2.93	2270.168	1524.539	18.614	10.0	0.3	NO	0.999	NO	bb
7	7 180130M2_8	Standard	50.000	2.93	11859.719	1550.796	95.594	53.3	6.6	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
 Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 4:2 FTS

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
8	8 180130M2_9	Standard	100.000	2.93	20043.510	1524.122	164.386	94.8	-5.2	NO	0.999	NO	bb
9	9 180130M2_10	Standard	250.000	2.93	43412.172	1426.854	380.314	251.9	0.7	NO	0.999	NO	bb
10	10 180130M2_11	Standard	500.000	2.93	82473.906	1309.955	786.992			NO	0.999	NO	bbXI

Compound name: PFHxA

Correlation coefficient: $r = 0.999536$, $r^2 = 0.999072$

Calibration curve: $1.59305 * x + 0.154027$

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	3.02	331.469	3444.513	0.481	0.2	-17.9	NO	0.999	NO	bb
2	2 180130M2_3	Standard	0.500	3.02	650.080	3804.890	0.854	0.4	-12.1	NO	0.999	NO	bb
3	3 180130M2_4	Standard	1.000	3.02	1395.178	3925.958	1.777	1.0	1.9	NO	0.999	NO	bb
4	4 180130M2_5	Standard	2.000	3.02	2678.964	3424.845	3.911	2.4	17.9	NO	0.999	NO	bb
5	5 180130M2_6	Standard	5.000	3.02	5585.022	3509.592	7.957	4.9	-2.0	NO	0.999	NO	bb
6	6 180130M2_7	Standard	10.000	3.02	12463.603	3506.838	17.770	11.1	10.6	NO	0.999	NO	bb
7	7 180130M2_8	Standard	50.000	3.02	61713.707	3857.463	79.993	50.1	0.2	NO	0.999	NO	bb
8	8 180130M2_9	Standard	100.000	3.02	134421.234	4084.247	164.561	103.2	3.2	NO	0.999	NO	bb
9	9 180130M2_10	Standard	250.000	3.02	282436.156	3610.123	391.172	245.5	-1.8	NO	0.999	NO	bb
10	10 180130M2_11	Standard	500.000	3.02	516166.313	3550.825	726.826	456.2	-8.8	NO	0.999	NO	bbX

Compound name: PFPeS

Correlation coefficient: $r = 0.999248$, $r^2 = 0.998497$

Calibration curve: $1.92186 * x + 0.239017$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	3.22	76.302	1557.144	0.613	0.2	-22.3	NO	0.998	NO	bb
2	2 180130M2_3	Standard	0.500	3.22	121.595	1504.408	1.010	0.4	-19.7	NO	0.998	NO	bb
3	3 180130M2_4	Standard	1.000	3.22	269.333	1373.188	2.452	1.2	15.1	NO	0.998	NO	bb
4	4 180130M2_5	Standard	2.000	3.22	490.172	1405.841	4.358	2.1	7.2	NO	0.998	NO	bb
5	5 180130M2_6	Standard	5.000	3.22	1168.320	1473.915	9.908	5.0	0.6	NO	0.998	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
 Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: PFPeS

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
6	180130M2_7	Standard	10.000	3.23	2708.861	1524.539	22.210	11.4	14.3	NO	0.998	NO	bb
7	180130M2_8	Standard	50.000	3.22	12544.337	1550.796	101.112	52.5	5.0	NO	0.998	NO	bb
8	180130M2_9	Standard	100.000	3.23	24011.297	1524.122	196.927	102.3	2.3	NO	0.998	NO	bb
9	180130M2_10	Standard	250.000	3.23	53459.953	1426.854	468.338	243.6	-2.6	NO	0.998	NO	bb
10	180130M2_11	Standard	500.000	3.23	92783.516	1309.955	885.369	460.6	-7.9	NO	0.998	NO	bbX

Compound name: PFHpA

Correlation coefficient: $r = 0.996911$, $r^2 = 0.993832$

Calibration curve: $1.17843 * x + 0.12989$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180130M2_2	Standard	0.250	3.64	276.059	8881.518	0.389	0.2	-12.2	NO	0.994	NO	bb
2	180130M2_3	Standard	0.500	3.63	578.274	9917.206	0.729	0.5	1.7	NO	0.994	NO	bb
3	180130M2_4	Standard	1.000	3.64	911.291	11092.101	1.027	0.8	-23.9	NO	0.994	NO	bb
4	180130M2_5	Standard	2.000	3.64	1904.880	8887.327	2.679	2.2	8.2	NO	0.994	NO	bb
5	180130M2_6	Standard	5.000	3.64	5238.723	10858.797	6.031	5.0	0.1	NO	0.994	NO	bb
6	180130M2_7	Standard	10.000	3.64	10266.113	10289.855	12.471	10.5	4.7	NO	0.994	NO	bb
7	180130M2_8	Standard	50.000	3.64	48742.094	9713.688	62.723	53.1	6.2	NO	0.994	NO	bb
8	180130M2_9	Standard	100.000	3.64	117605.617	10630.633	138.286	117.2	17.2	NO	0.994	NO	bb
9	180130M2_10	Standard	250.000	3.64	222412.031	9057.838	306.933	260.3	4.1	NO	0.994	NO	bb
10	180130M2_11	Standard	500.000	3.64	392791.625	8883.200	552.717	468.9	-6.2	NO	0.994	NO	bb

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Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time

Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: L-PFHxS

Correlation coefficient: $r = 0.998763$, $r^2 = 0.997528$

Calibration curve: $1.85703 * x + 0.0178379$

Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	3.79	38.095	1053.045	0.452	0.2	-6.4	NO	0.998	NO	MM
2	2 180130M2_3	Standard	0.500	3.79	56.207	903.095	0.778	0.4	-18.1	NO	0.998	NO	MM
3	3 180130M2_4	Standard	1.000	3.80	149.560	997.103	1.875	1.0	0.0	NO	0.998	NO	MM
4	4 180130M2_5	Standard	2.000	3.80	342.842	989.370	4.332	2.3	16.1	NO	0.998	NO	MM
5	5 180130M2_6	Standard	5.000	3.80	761.813	1029.990	9.245	5.0	-0.6	NO	0.998	NO	MM
6	6 180130M2_7	Standard	10.000	3.80	1705.721	963.713	22.124	11.9	19.0	NO	0.998	NO	MM
7	7 180130M2_8	Standard	50.000	3.79	8106.228	1168.792	86.695	46.7	-6.7	NO	0.998	NO	MM
8	8 180130M2_9	Standard	100.000	3.80	16188.136	1095.959	184.634	99.4	-0.6	NO	0.998	NO	MM
9	9 180130M2_10	Standard	250.000	3.79	35013.383	1005.605	435.228	234.4	-6.3	NO	0.998	NO	MM
10	10 180130M2_11	Standard	500.000	3.80	69247.547	900.761	960.959	517.5	3.5	NO	0.998	NO	MM

Compound name: 6:2 FTS

Coefficient of Determination: $R^2 = 0.998989$

Calibration curve: $-3.58558e-005 * x^2 + 0.231183 * x + 0.00652079$

Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	4.11	67.447	13083.550	0.064	0.3	0.2	NO	0.999	NO	bb
2	2 180130M2_3	Standard	0.500	4.11	150.687	12909.832	0.146	0.6	20.6	NO	0.999	NO	bb
3	3 180130M2_4	Standard	1.000	4.11	204.662	13755.024	0.186	0.8	-22.4	NO	0.999	NO	bb
4	4 180130M2_5	Standard	2.000	4.11	595.523	12662.505	0.588	2.5	25.8	NO	0.999	NO	bb
5	5 180130M2_6	Standard	5.000	4.11	1126.442	13917.645	1.012	4.4	-13.0	NO	0.999	NO	bb
6	6 180130M2_7	Standard	10.000	4.11	2534.244	13938.184	2.273	9.8	-1.8	NO	0.999	NO	bb
7	7 180130M2_8	Standard	50.000	4.11	13119.515	14519.339	11.295	49.2	-1.6	NO	0.999	NO	bb
8	8 180130M2_9	Standard	100.000	4.11	28912.900	15012.127	24.075	105.8	5.8	NO	0.999	NO	bb
9	9 180130M2_10	Standard	250.000	4.11	56401.480	13058.033	53.991	242.6	-2.9	NO	0.999	NO	bb
10	10 180130M2_11	Standard	500.000	4.11	104634.672	12203.416	107.178	502.8	0.6	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
 Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: L-PFOA

Coefficient of Determination: R² = 0.999566

Calibration curve: -0.000857391 * x² + 1.05615 * x + 0.0717082

Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	4.16	283.962	13083.550	0.271	0.2	-24.4	NO	1.000	NO	bb
2	2 180130M2_3	Standard	0.500	4.16	635.267	12909.832	0.615	0.5	2.9	NO	1.000	NO	bb
3	3 180130M2_4	Standard	1.000	4.17	1321.400	13755.024	1.201	1.1	7.0	NO	1.000	NO	bb
4	4 180130M2_5	Standard	2.000	4.17	2500.635	12662.505	2.469	2.3	13.7	NO	1.000	NO	bb
5	5 180130M2_6	Standard	5.000	4.16	5673.434	13917.645	5.096	4.8	-4.5	NO	1.000	NO	bb
6	6 180130M2_7	Standard	10.000	4.16	12457.271	13938.184	11.172	10.6	6.0	NO	1.000	NO	bb
7	7 180130M2_8	Standard	50.000	4.16	59362.699	14519.339	51.107	50.4	0.8	NO	1.000	NO	bb
8	8 180130M2_9	Standard	100.000	4.17	114676.961	15012.127	95.487	98.2	-1.8	NO	1.000	NO	bb
9	9 180130M2_10	Standard	250.000	4.16	220499.109	13058.033	211.076	250.9	0.4	NO	1.000	NO	bb
10	10 180130M2_11	Standard	500.000	4.16	484021.500	12203.416	495.785			NO	1.000	NO	bbXI

Compound name: PFHpS

Coefficient of Determination: R² = 0.998172

Calibration curve: -0.000111162 * x² + 1.01876 * x + -0.0937669

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	4.27	55.597	3303.503	0.210	0.3	19.4	NO	0.998	NO	MMX
2	2 180130M2_3	Standard	0.500	4.27	161.011	2799.563	0.719	0.8	59.6	YES	0.998	NO	bbX
3	3 180130M2_4	Standard	1.000	4.28	197.510	3313.572	0.745	0.8	-17.7	NO	0.998	NO	bb
4	4 180130M2_5	Standard	2.000	4.28	518.409	3118.645	2.078	2.1	6.6	NO	0.998	NO	bb
5	5 180130M2_6	Standard	5.000	4.28	1173.845	3222.721	4.553	4.6	-8.7	NO	0.998	NO	bb
6	6 180130M2_7	Standard	10.000	4.28	3051.811	3355.895	11.367	11.3	12.6	NO	0.998	NO	bb
7	7 180130M2_8	Standard	50.000	4.28	13264.415	3007.765	55.126	54.5	9.1	NO	0.998	NO	bb
8	8 180130M2_9	Standard	100.000	4.28	25959.848	3145.492	103.163	102.5	2.5	NO	0.998	NO	bb
9	9 180130M2_10	Standard	250.000	4.28	54278.594	2900.628	233.909	235.8	-5.7	NO	0.998	NO	bb
10	10 180130M2_11	Standard	500.000	4.28	105607.602	2708.485	487.392	506.5	1.3	NO	0.998	NO	bb

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Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time

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Compound name: PFNA

Coefficient of Determination: R² = 0.998285

Calibration curve: 3.72704e-005 * x² + 1.22337 * x + 0.164766

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	4.60	391.378	11924.658	0.410	0.2	-19.7	NO	0.998	NO	bb
2	2 180130M2_3	Standard	0.500	4.60	658.152	12590.917	0.653	0.4	-20.1	NO	0.998	NO	bb
3	3 180130M2_4	Standard	1.000	4.61	1541.535	13916.688	1.385	1.0	-0.3	NO	0.998	NO	bb
4	4 180130M2_5	Standard	2.000	4.61	2803.837	11553.559	3.034	2.3	17.2	NO	0.998	NO	bb
5	5 180130M2_6	Standard	5.000	4.61	6190.618	11286.473	6.856	5.5	9.4	NO	0.998	NO	bb
6	6 180130M2_7	Standard	10.000	4.61	14313.167	12654.078	14.139	11.4	14.2	NO	0.998	NO	bb
7	7 180130M2_8	Standard	50.000	4.60	62601.695	13283.173	58.911	47.9	-4.1	NO	0.998	NO	bb
8	8 180130M2_9	Standard	100.000	4.61	147308.750	13966.063	131.845	107.3	7.3	NO	0.998	NO	bb
9	9 180130M2_10	Standard	250.000	4.60	279544.344	11905.473	293.504	238.1	-4.8	NO	0.998	NO	bb
10	10 180130M2_11	Standard	500.000	4.61	470219.375	9374.423	626.998	504.6	0.9	NO	0.998	NO	bb

Compound name: PFOSA

Correlation coefficient: r = 0.997452, r² = 0.994909

Calibration curve: 1.09599 * x + -0.0345352

Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	4.66	87.580	3565.097	0.307	0.3	24.7	NO	0.995	NO	bb
2	2 180130M2_3	Standard	0.500	4.67	113.860	3407.638	0.418	0.4	-17.5	NO	0.995	NO	bb
3	3 180130M2_4	Standard	1.000	4.67	279.787	3539.375	0.988	0.9	-6.7	NO	0.995	NO	bb
4	4 180130M2_5	Standard	2.000	4.67	491.604	3497.803	1.757	1.6	-18.3	NO	0.995	NO	bb
5	5 180130M2_6	Standard	5.000	4.67	1455.735	3378.658	5.386	4.9	-1.1	NO	0.995	NO	bb
6	6 180130M2_7	Standard	10.000	4.67	3636.421	3567.036	12.743	11.7	16.6	NO	0.995	NO	bb
7	7 180130M2_8	Standard	50.000	4.66	15118.188	3558.686	53.103	48.5	-3.0	NO	0.995	NO	bb
8	8 180130M2_9	Standard	100.000	4.67	31501.756	3598.307	109.433	99.9	-0.1	NO	0.995	NO	bb
9	9 180130M2_10	Standard	250.000	4.67	66896.695	2758.122	303.180	276.7	10.7	NO	0.995	NO	bb
10	10 180130M2_11	Standard	500.000	4.67	122858.055	2957.394	519.283	473.8	-5.2	NO	0.995	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
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Compound name: L-PFOS

Coefficient of Determination: $R^2 = 0.999249$

Calibration curve: $-8.58479e-006 * x^2 + 1.08539 * x + -0.177739$

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	4.68	35.012	3303.503	0.132	0.3	14.3	NO	0.999	NO	MM
2	2 180130M2_3	Standard	0.500	4.69	85.749	2799.563	0.383	0.5	3.3	NO	0.999	NO	MM
3	3 180130M2_4	Standard	1.000	4.69	225.209	3313.572	0.850	0.9	-5.4	NO	0.999	NO	MM
4	4 180130M2_5	Standard	2.000	4.69	427.639	3118.645	1.714	1.7	-12.9	NO	0.999	NO	MM
5	5 180130M2_6	Standard	5.000	4.69	1205.209	3222.721	4.675	4.5	-10.6	NO	0.999	NO	MM
6	6 180130M2_7	Standard	10.000	4.69	3022.715	3355.895	11.259	10.5	5.4	NO	0.999	NO	MM
7	7 180130M2_8	Standard	50.000	4.69	13878.184	3007.765	57.676	53.3	6.7	NO	0.999	NO	MM
8	8 180130M2_9	Standard	100.000	4.69	27726.719	3145.492	110.184	101.8	1.8	NO	0.999	NO	MM
9	9 180130M2_10	Standard	250.000	4.69	60713.430	2900.628	261.639	241.7	-3.3	NO	0.999	NO	MM
10	10 180130M2_11	Standard	500.000	4.69	117899.492	2708.485	544.121	503.5	0.7	NO	0.999	NO	MM

Compound name: PFDA

Coefficient of Determination: $R^2 = 0.998012$

Calibration curve: $-0.000420231 * x^2 + 1.29941 * x + 0.0888209$

Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	4.98	282.483	10373.150	0.340	0.2	-22.6	NO	0.998	NO	bb
2	2 180130M2_3	Standard	0.500	4.98	679.340	11181.896	0.759	0.5	3.2	NO	0.998	NO	bb
3	3 180130M2_4	Standard	1.000	4.98	1513.492	11103.892	1.704	1.2	24.3	NO	0.998	NO	bb
4	4 180130M2_5	Standard	2.000	4.98	2667.157	11098.916	3.004	2.2	12.2	NO	0.998	NO	bb
5	5 180130M2_6	Standard	5.000	4.98	6734.641	13841.649	6.082	4.6	-7.6	NO	0.998	NO	bb
6	6 180130M2_7	Standard	10.000	4.98	12574.135	13395.807	11.733	9.0	-10.1	NO	0.998	NO	bb
7	7 180130M2_8	Standard	50.000	4.98	64611.910	13454.328	60.029	46.8	-6.3	NO	0.998	NO	bb
8	8 180130M2_9	Standard	100.000	4.98	139965.906	12731.192	137.424	109.6	9.6	NO	0.998	NO	bb
9	9 180130M2_10	Standard	250.000	4.98	262682.469	11335.476	289.669	241.8	-3.3	NO	0.998	NO	bb
10	10 180130M2_11	Standard	500.000	4.98	561688.938	12827.448	547.351	503.0	0.6	NO	0.998	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
 Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 8:2 FTS

Coefficient of Determination: $R^2 = 0.994120$

Calibration curve: $-0.00010241 * x^2 + 0.250291 * x + -0.0155588$

Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	4.94	52.953	13083.550	0.051	0.3	5.7	NO	0.994	NO	MM
2	2 180130M2_3	Standard	0.500	4.94	106.263	12909.832	0.103	0.5	-5.3	NO	0.994	NO	bb
3	3 180130M2_4	Standard	1.000	4.95	228.735	13755.024	0.208	0.9	-10.7	NO	0.994	NO	bb
4	4 180130M2_5	Standard	2.000	4.96	618.064	12662.505	0.610	2.5	25.1	NO	0.994	NO	bb
5	5 180130M2_6	Standard	5.000	4.95	1014.381	13917.645	0.911	3.7	-25.8	NO	0.994	NO	bb
6	6 180130M2_7	Standard	10.000	4.95	2724.675	13938.184	2.444	9.9	-1.4	NO	0.994	NO	bb
7	7 180130M2_8	Standard	50.000	4.95	11034.815	14519.339	9.500	38.6	-22.7	NO	0.994	NO	bb
8	8 180130M2_9	Standard	100.000	4.95	30446.711	15012.127	25.352	105.9	5.9	NO	0.994	NO	bb
9	9 180130M2_10	Standard	250.000	4.95	62080.234	13058.033	59.427	266.6	6.6	NO	0.994	NO	bb
10	10 180130M2_11	Standard	500.000	4.95	95574.258	12203.416	97.897	489.1	-2.2	NO	0.994	NO	bb

Compound name: PFNS

Coefficient of Determination: $R^2 = 0.998923$

Calibration curve: $-0.000173469 * x^2 + 0.881199 * x + 0.0764053$

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	5.04	76.733	3303.503	0.290	0.2	-2.9	NO	0.999	NO	MM
2	2 180130M2_3	Standard	0.500	5.04	110.619	2799.563	0.494	0.5	-5.2	NO	0.999	NO	MM
3	3 180130M2_4	Standard	1.000	5.04	245.261	3313.572	0.925	1.0	-3.7	NO	0.999	NO	MM
4	4 180130M2_5	Standard	2.000	5.05	456.775	3118.645	1.831	2.0	-0.4	NO	0.999	NO	MM
5	5 180130M2_6	Standard	5.000	5.05	1180.659	3222.721	4.579	5.1	2.3	NO	0.999	NO	MM
6	6 180130M2_7	Standard	10.000	5.05	2547.639	3355.895	9.489	10.7	7.0	NO	0.999	NO	MM
7	7 180130M2_8	Standard	50.000	5.05	10629.551	3007.765	44.175	50.5	1.1	NO	0.999	NO	bb
8	8 180130M2_9	Standard	100.000	5.05	22925.211	3145.492	91.103	105.5	5.5	NO	0.999	NO	MM
9	9 180130M2_10	Standard	250.000	5.05	46405.703	2900.628	199.981	238.0	-4.8	NO	0.999	NO	MM
10	10 180130M2_11	Standard	500.000	5.05	86909.063	2708.485	401.096	505.4	1.1	NO	0.999	NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
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Compound name: N-MeFOSAA

Coefficient of Determination: R² = 0.998886
 Calibration curve: $-0.000656005 * x^2 + 1.57527 * x + -0.0430991$
 Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
 Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	5.14	208.223	5651.358	0.461	0.3	27.9	NO	0.999	NO	bb
2	2 180130M2_3	Standard	0.500	5.13	281.203	5094.401	0.690	0.5	-6.9	NO	0.999	NO	bb
3	3 180130M2_4	Standard	1.000	5.14	612.965	5659.655	1.354	0.9	-11.3	NO	0.999	NO	bb
4	4 180130M2_5	Standard	2.000	5.14	1255.902	5256.864	2.986	1.9	-3.8	NO	0.999	NO	bb
5	5 180130M2_6	Standard	5.000	5.14	3001.708	5623.414	6.672	4.3	-14.6	NO	0.999	NO	bb
6	6 180130M2_7	Standard	10.000	5.14	7005.630	5524.531	15.851	10.1	1.3	NO	0.999	NO	bb
7	7 180130M2_8	Standard	50.000	5.14	33344.656	5612.226	74.268	48.1	-3.7	NO	0.999	NO	bb
8	8 180130M2_9	Standard	100.000	5.14	71311.117	6113.146	145.815	96.5	-3.5	NO	0.999	NO	bb
9	9 180130M2_10	Standard	250.000	5.14	150630.297	5111.627	368.352	262.6	5.0	NO	0.999	NO	bb
10	10 180130M2_11	Standard	500.000	5.14	254017.859	5145.271	617.115	493.0	-1.4	NO	0.999	NO	bb

Compound name: N-EtFOSAA

Coefficient of Determination: R² = 0.998912
 Calibration curve: $5.26453e-005 * x^2 + 1.09334 * x + 0.022349$
 Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
 Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	5.29	133.930	6094.616	0.275	0.2	-7.7	NO	0.999	NO	bb
2	2 180130M2_3	Standard	0.500	5.29	320.345	6234.195	0.642	0.6	13.4	NO	0.999	NO	bb
3	3 180130M2_4	Standard	1.000	5.30	429.622	6814.311	0.788	0.7	-30.0	NO	0.999	NO	bb
4	4 180130M2_5	Standard	2.000	5.29	1072.044	4971.428	2.696	2.4	22.2	NO	0.999	NO	MM
5	5 180130M2_6	Standard	5.000	5.30	2632.858	5897.333	5.581	5.1	1.7	NO	0.999	NO	bb
6	6 180130M2_7	Standard	10.000	5.29	5970.152	6240.996	11.958	10.9	9.1	NO	0.999	NO	bb
7	7 180130M2_8	Standard	50.000	5.29	29335.684	6520.371	56.239	51.3	2.6	NO	0.999	NO	bb
8	8 180130M2_9	Standard	100.000	5.29	53490.738	6313.640	105.903	96.4	-3.6	NO	0.999	NO	bb
9	9 180130M2_10	Standard	250.000	5.29	112534.500	5061.634	277.911	251.1	0.5	NO	0.999	NO	bb
10	10 180130M2_11	Standard	500.000	5.29	189063.281	4643.514	508.945	455.5	-8.9	NO	0.999	NO	bbX

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
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Compound name: PFUdA

Coefficient of Determination: R² = 0.999294

Calibration curve: $-0.000458526 * x^2 + 1.17709 * x + 0.0278308$

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	5.30	513.076	16376.577	0.392	0.3	23.6	NO	0.999	NO	bb
2	2 180130M2_3	Standard	0.500	5.31	801.007	14143.141	0.708	0.6	15.6	NO	0.999	NO	bb
3	3 180130M2_4	Standard	1.000	5.31	1303.505	14888.429	1.094	0.9	-9.4	NO	0.999	NO	bb
4	4 180130M2_5	Standard	2.000	5.31	2653.989	15103.803	2.196	1.8	-7.8	NO	0.999	NO	bb
5	5 180130M2_6	Standard	5.000	5.31	6411.717	14910.061	5.375	4.6	-9.0	NO	0.999	NO	bb
6	6 180130M2_7	Standard	10.000	5.31	11567.065	14939.002	9.679	8.2	-17.7	NO	0.999	NO	bb
7	7 180130M2_8	Standard	50.000	5.31	64903.789	13571.186	59.781	51.8	3.6	NO	0.999	NO	bb
8	8 180130M2_9	Standard	100.000	5.31	133786.313	14580.421	114.697	101.4	1.4	NO	0.999	NO	bb
9	9 180130M2_10	Standard	250.000	5.30	269359.000	12712.355	264.859	249.2	-0.3	NO	0.999	NO	bb
10	10 180130M2_11	Standard	500.000	5.31	501339.500	13224.735	473.865	499.9	-0.0	NO	0.999	NO	bb

Compound name: PFDS

Coefficient of Determination: R² = 0.998560

Calibration curve: $-0.000101601 * x^2 + 0.27335 * x + -0.0126321$

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	5.35	96.284	16376.577	0.073	0.3	26.0	NO	0.999	NO	bb
2	2 180130M2_3	Standard	0.500	5.35	101.634	14143.141	0.090	0.4	-25.0	NO	0.999	NO	bb
3	3 180130M2_4	Standard	1.000	5.35	361.620	14888.429	0.304	1.2	15.7	NO	0.999	NO	bb
4	4 180130M2_5	Standard	2.000	5.36	607.828	15103.803	0.503	1.9	-5.6	NO	0.999	NO	bb
5	5 180130M2_6	Standard	5.000	5.36	1591.206	14910.061	1.334	4.9	-1.3	NO	0.999	NO	bb
6	6 180130M2_7	Standard	10.000	5.36	2949.842	14939.002	2.468	9.1	-8.9	NO	0.999	NO	bb
7	7 180130M2_8	Standard	50.000	5.36	14836.292	13571.186	13.665	51.0	2.0	NO	0.999	NO	bb
8	8 180130M2_9	Standard	100.000	5.36	28720.633	14580.421	24.623	93.4	-6.6	NO	0.999	NO	bb
9	9 180130M2_10	Standard	250.000	5.36	65810.180	12712.355	64.711	262.4	4.9	NO	0.999	NO	bb
10	10 180130M2_11	Standard	500.000	5.36	116599.281	13224.735	110.209	493.9	-1.2	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time

Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: PFDoA

Coefficient of Determination: $R^2 = 0.997610$

Calibration curve: $-0.000594455 * x^2 + 1.49079 * x + 0.049628$

Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	5.59	313.215	9896.215	0.396	0.2	-7.2	NO	0.998	NO	bb
2	2 180130M2_3	Standard	0.500	5.59	687.082	9179.814	0.936	0.6	18.9	NO	0.998	NO	bb
3	3 180130M2_4	Standard	1.000	5.60	1309.532	11021.308	1.485	1.0	-3.7	NO	0.998	NO	bb
4	4 180130M2_5	Standard	2.000	5.60	3337.135	12445.758	3.352	2.2	10.8	NO	0.998	NO	bb
5	5 180130M2_6	Standard	5.000	5.60	6438.053	12067.352	6.669	4.4	-11.0	NO	0.998	NO	bb
6	6 180130M2_7	Standard	10.000	5.59	13914.285	12514.131	13.899	9.3	-6.8	NO	0.998	NO	bb
7	7 180130M2_8	Standard	50.000	5.59	57706.848	10850.401	66.480	45.4	-9.2	NO	0.998	NO	bb
8	8 180130M2_9	Standard	100.000	5.59	141099.344	11191.926	157.591	110.5	10.5	NO	0.998	NO	bb
9	9 180130M2_10	Standard	250.000	5.59	282392.344	10785.471	327.283	243.1	-2.8	NO	0.998	NO	bb
10	10 180130M2_11	Standard	500.000	5.59	501426.281	10467.454	598.792	502.2	0.4	NO	0.998	NO	bb

Compound name: N-MeFOSA

Correlation coefficient: $r = 0.997510$, $r^2 = 0.995026$

Calibration curve: $0.967768 * x + 0.447867$

Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	1.250	5.70	160.330	16447.836	1.462	1.0	-16.2	NO	0.995	NO	bb
2	2 180130M2_3	Standard	2.500	5.71	327.477	16202.515	3.032	2.7	6.8	NO	0.995	NO	bb
3	3 180130M2_4	Standard	5.000	5.71	629.732	17642.555	5.354	5.1	1.4	NO	0.995	NO	bb
4	4 180130M2_5	Standard	10.000	5.71	1248.572	16327.131	11.471	11.4	13.9	NO	0.995	NO	bb
5	5 180130M2_6	Standard	25.000	5.71	2841.527	16733.125	25.472	25.9	3.4	NO	0.995	NO	bb
6	6 180130M2_7	Standard	50.000	5.71	6451.300	17104.477	56.576	58.0	16.0	NO	0.995	NO	bb
7	7 180130M2_8	Standard	250.000	5.71	31397.322	17488.910	269.291	277.8	11.1	NO	0.995	NO	bb
8	8 180130M2_9	Standard	500.000	5.71	61615.895	18006.723	513.274	529.9	6.0	NO	0.995	NO	bb
9	9 180130M2_10	Standard	1250.000	5.71	130970.477	17167.242	1144.364	1182.0	-5.4	NO	0.995	NO	bb
10	10 180130M2_11	Standard	2500.000	5.71	247164.484	17554.230	2112.008	2181.9	-12.7	NO	0.995	NO	bdX

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
 Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: PFTTrDA

Coefficient of Determination: R² = 0.998380

Calibration curve: 0.00116218 * x² + 3.72741 * x + 0.213622

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	5.84	506.435	4814.393	1.315	0.3	18.2	NO	0.998	NO	bbX
2	2 180130M2_3	Standard	0.500	5.84	847.558	4451.768	2.380	0.6	16.2	NO	0.998	NO	bb
3	3 180130M2_4	Standard	1.000	5.84	1567.660	4605.410	4.255	1.1	8.4	NO	0.998	NO	bb
4	4 180130M2_5	Standard	2.000	5.85	2448.959	5326.945	5.747	1.5	-25.8	NO	0.998	NO	bb
5	5 180130M2_6	Standard	5.000	5.85	6981.399	4987.994	17.496	4.6	-7.4	NO	0.998	NO	bb
6	6 180130M2_7	Standard	10.000	5.84	18375.619	5603.112	40.994	10.9	9.0	NO	0.998	NO	bb
7	7 180130M2_8	Standard	50.000	5.84	77382.305	5129.476	188.573	49.8	-0.5	NO	0.998	NO	bb
8	8 180130M2_9	Standard	100.000	5.84	155153.625	5040.080	384.800	100.1	0.1	NO	0.998	NO	bb
9	9 180130M2_10	Standard	250.000	5.84	250574.375	5446.927	575.036	147.4	-41.0	YES	0.998	NO	bbX
10	10 180130M2_11	Standard	500.000	5.84	511010.469	5008.250	1275.422	311.8	-37.6	YES	0.998	NO	bbX

Compound name: PFTeDA

Coefficient of Determination: R² = 0.998712

Calibration curve: -0.00135735 * x² + 2.29654 * x + 0.279781

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	6.06	325.508	4814.393	0.845	0.2	-1.5	NO	0.999	NO	bb
2	2 180130M2_3	Standard	0.500	6.06	414.491	4451.768	1.164	0.4	-23.0	NO	0.999	NO	bb
3	3 180130M2_4	Standard	1.000	6.06	1012.122	4605.410	2.747	1.1	7.5	NO	0.999	NO	bb
4	4 180130M2_5	Standard	2.000	6.06	2114.865	5326.945	4.963	2.0	2.1	NO	0.999	NO	bb
5	5 180130M2_6	Standard	5.000	6.07	4774.646	4987.994	11.965	5.1	2.1	NO	0.999	NO	bb
6	6 180130M2_7	Standard	10.000	6.06	11289.290	5603.112	25.185	10.9	9.2	NO	0.999	NO	bb
7	7 180130M2_8	Standard	50.000	6.06	47881.004	5129.476	116.681	52.3	4.6	NO	0.999	NO	bb
8	8 180130M2_9	Standard	100.000	6.06	89751.586	5040.080	222.595	103.1	3.1	NO	0.999	NO	bb
9	9 180130M2_10	Standard	250.000	6.06	203120.719	5446.927	466.136	235.7	-5.7	NO	0.999	NO	bb
10	10 180130M2_11	Standard	500.000	6.06	328198.250	5008.250	819.144	510.7	2.1	NO	0.999	NO	bb

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Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time

Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: N-EtFOSA

Coefficient of Determination: R² = 0.999373

Calibration curve: $-4.62743e-005 * x^2 + 0.907515 * x + 0.0608264$

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180130M2_2	Standard	1.250	6.12	194.223	26732.176	1.090	1.1	-9.3	NO	0.999	NO	bb
2	180130M2_3	Standard	2.500	6.13	383.935	25847.691	2.228	2.4	-4.5	NO	0.999	NO	bb
3	180130M2_4	Standard	5.000	6.13	805.617	25791.316	4.685	5.1	1.9	NO	0.999	NO	bb
4	180130M2_5	Standard	10.000	6.13	1585.093	26573.410	8.947	9.8	-2.0	NO	0.999	NO	bb
5	180130M2_6	Standard	25.000	6.13	3895.365	25316.451	23.080	25.4	1.6	NO	0.999	NO	bb
6	180130M2_7	Standard	50.000	6.13	8377.025	25481.031	49.313	54.4	8.8	NO	0.999	NO	bb
7	180130M2_8	Standard	250.000	6.13	41299.340	26351.174	235.090	262.5	5.0	NO	0.999	NO	bb
8	180130M2_9	Standard	500.000	6.13	79129.008	26572.170	446.684	505.1	1.0	NO	0.999	NO	bb
9	180130M2_10	Standard	1250.000	6.13	169427.813	24740.119	1027.245	1206.0	-3.5	NO	0.999	NO	bb
10	180130M2_11	Standard	2500.000	6.13	304852.156	22921.061	1995.013	2522.8	0.9	NO	0.999	NO	bb

Compound name: PFHxDA

Coefficient of Determination: R² = 0.999557

Calibration curve: $-0.0005817 * x^2 + 0.611008 * x + 0.0713706$

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180130M2_2	Standard	0.250	6.40	150.321	3669.718	0.205	0.2	-12.6	NO	1.000	NO	bb
2	180130M2_3	Standard	0.500	6.40	279.687	3465.723	0.404	0.5	8.8	NO	1.000	NO	bb
3	180130M2_4	Standard	1.000	6.41	508.604	4127.492	0.616	0.9	-10.8	NO	1.000	NO	bb
4	180130M2_5	Standard	2.000	6.41	1078.192	4006.979	1.345	2.1	4.5	NO	1.000	NO	bb
5	180130M2_6	Standard	5.000	6.41	2710.907	4192.145	3.233	5.2	4.0	NO	1.000	NO	bb
6	180130M2_7	Standard	10.000	6.41	4673.373	3563.170	6.558	10.7	7.3	NO	1.000	NO	bb
7	180130M2_8	Standard	50.000	6.40	22944.072	3902.427	29.397	50.4	0.8	NO	1.000	NO	bb
8	180130M2_9	Standard	100.000	6.40	46612.691	4303.081	54.162	97.6	-2.4	NO	1.000	NO	bb
9	180130M2_10	Standard	250.000	6.40	99023.617	4236.179	116.878	251.3	0.5	NO	1.000	NO	bb
10	180130M2_11	Standard	500.000	6.40	170139.297	4049.145	210.093			NO	1.000	NO	bbXI

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
 Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: PFODA

Coefficient of Determination: R² = 0.996012

Calibration curve: $-0.000908448 * x^2 + 0.81449 * x + 0.0357617$

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	0.250	6.64	158.263	3669.718	0.216	0.2	-11.6	NO	0.996	NO	bb
2	2 180130M2_3	Standard	0.500	6.64	338.998	3465.723	0.489	0.6	11.4	NO	0.996	NO	bb
3	3 180130M2_4	Standard	1.000	6.64	697.983	4127.492	0.846	1.0	-0.5	NO	0.996	NO	bb
4	4 180130M2_5	Standard	2.000	6.64	1245.379	4006.979	1.554	1.9	-6.6	NO	0.996	NO	bb
5	5 180130M2_6	Standard	5.000	6.64	3540.888	4192.145	4.223	5.2	3.4	NO	0.996	NO	bb
6	6 180130M2_7	Standard	10.000	6.64	7111.71E	3563.170	9.979	12.4	23.8	NO	0.996	NO	bb
7	7 180130M2_8	Standard	50.000	6.64	31255.189	3902.427	40.046	52.2	4.3	NO	0.996	NO	bb
8	8 180130M2_9	Standard	100.000	6.64	57852.383	4303.081	67.222	91.9	-8.1	NO	0.996	NO	bb
9	9 180130M2_10	Standard	250.000	6.64	125867.570	4236.179	148.563	254.7	1.9	NO	0.996	NO	bb
10	10 180130M2_11	Standard	500.000	6.64	234253.500	4049.145	289.263			NO	0.996	NO	bbXI

Compound name: N-MeFOSE

Correlation coefficient: r = 0.996418, r² = 0.992848

Calibration curve: $0.916664 * x + 0.283188$

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	1.250	6.30	163.462	20511.127	1.195	1.0	-20.4	NO	0.993	NO	bb
2	2 180130M2_3	Standard	2.500	6.30	420.015	25191.553	2.501	2.4	-3.2	NO	0.993	NO	bb
3	3 180130M2_4	Standard	5.000	6.30	787.427	25217.705	4.684	4.8	-4.0	NO	0.993	NO	bb
4	4 180130M2_5	Standard	10.000	6.30	1354.469	18800.625	10.807	11.5	14.8	NO	0.993	NO	bb
5	5 180130M2_6	Standard	25.000	6.30	3749.616	24643.811	22.823	24.6	-1.6	NO	0.993	NO	bb
6	6 180130M2_7	Standard	50.000	6.30	6708.870	21160.852	47.556	51.6	3.1	NO	0.993	NO	bd
7	7 180130M2_8	Standard	250.000	6.30	37693.520	25076.201	225.474	245.7	-1.7	NO	0.993	NO	bb
8	8 180130M2_9	Standard	500.000	6.30	85510.313	23019.229	557.210	607.6	21.5	NO	0.993	NO	bb
9	9 180130M2_10	Standard	1250.000	6.30	180450.969	25816.693	1048.455	1143.5	-8.5	NO	0.993	NO	bb
10	10 180130M2_11	Standard	2500.000	6.30	375097.469	24536.986	2293.053	2501.2	0.0	NO	0.993	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
 Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: N-EtFOSE

Correlation coefficient: $r = 0.996106$, $r^2 = 0.992228$

Calibration curve: $1.16767 * x + 0.0208375$

Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180130M2_2	Standard	1.250	6.45	218.313	19448.451	1.684	1.4	13.9	NO	0.992	NO	bb
2	180130M2_3	Standard	2.500	6.45	434.112	24035.443	2.709	2.3	-7.9	NO	0.992	NO	bb
3	180130M2_4	Standard	5.000	6.45	698.316	24472.643	4.280	3.6	-27.0	NO	0.992	NO	bb
4	180130M2_5	Standard	10.000	6.45	1828.057	18758.516	14.618	12.5	25.0	NO	0.992	NO	bb
5	180130M2_6	Standard	25.000	6.45	3869.933	20007.965	29.013	24.8	-0.7	NO	0.992	NO	bb
6	180130M2_7	Standard	50.000	6.45	8816.345	25158.520	52.565	45.0	-10.0	NO	0.992	NO	bb
7	180130M2_8	Standard	250.000	6.45	47240.699	21715.514	326.315	279.4	11.8	NO	0.992	NO	bb
8	180130M2_9	Standard	500.000	6.45	87762.852	23753.662	554.206	474.6	-5.1	NO	0.992	NO	bb
9	180130M2_10	Standard	1250.000	6.45	236022.172	20525.086	1724.881	1477.2	18.2	NO	0.992	NO	bbX
10	180130M2_11	Standard	2500.000	6.45	382955.969	21442.361	2678.968	2294.3	-8.2	NO	0.992	NO	bbX

Compound name: 13C3-PFBA

Response Factor: 0.841532

RRF SD: 0.0337006, Relative SD: 4.00468

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180130M2_2	Standard	12.500	1.29	6876.616	8210.687	10.469	12.4	-0.5	NO		NO	MM
2	180130M2_3	Standard	12.500	1.29	6670.910	8326.326	10.015	11.9	-4.8	NO		NO	MM
3	180130M2_4	Standard	12.500	1.29	6686.141	8545.569	9.780	11.6	-7.0	NO		NO	MM
4	180130M2_5	Standard	12.500	1.29	7453.242	8399.944	11.091	13.2	5.4	NO		NO	MM
5	180130M2_6	Standard	12.500	1.29	7296.654	8315.953	10.968	13.0	4.3	NO		NO	MM
6	180130M2_7	Standard	12.500	1.29	7576.361	8964.952	10.564	12.6	0.4	NO		NO	MM
7	180130M2_8	Standard	12.500	1.29	7914.732	9521.732	10.390	12.3	-1.2	NO		NO	MM
8	180130M2_9	Standard	12.500	1.29	8748.384	10081.110	10.847	12.9	3.1	NO		NO	bb
9	180130M2_10	Standard	12.500	1.29	7969.932	9700.431	10.270	12.2	-2.4	NO		NO	MM
10	180130M2_11	Standard	12.500	1.29	8561.667	9912.341	10.797	12.8	2.6	NO		NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
 Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 13C3-PFPeA

Response Factor: 0.870345

RRF SD: 0.0403566, Relative SD: 4.63686

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	12.500	2.24	11593.497	13011.596	11.138	12.8	2.4	NO		NO	bb
2	2 180130M2_3	Standard	12.500	2.24	11553.364	13195.139	10.945	12.6	0.6	NO		NO	bb
3	3 180130M2_4	Standard	12.500	2.24	12093.586	13969.374	10.822	12.4	-0.5	NO		NO	bb
4	4 180130M2_5	Standard	12.500	2.25	11420.756	13576.036	10.516	12.1	-3.3	NO		NO	bb
5	5 180130M2_6	Standard	12.500	2.25	11755.113	12245.354	12.000	13.8	10.3	NO		NO	bb
6	6 180130M2_7	Standard	12.500	2.25	12249.239	14139.857	10.829	12.4	-0.5	NO		NO	bb
7	7 180130M2_8	Standard	12.500	2.24	11794.470	14528.324	10.148	11.7	-6.7	NO		NO	bb
8	8 180130M2_9	Standard	12.500	2.25	12359.346	14090.640	10.964	12.6	0.8	NO		NO	bb
9	9 180130M2_10	Standard	12.500	2.25	11197.215	13488.114	10.377	11.9	-4.6	NO		NO	bb
10	10 180130M2_11	Standard	12.500	2.25	10759.299	12163.914	11.057	12.7	1.6	NO		NO	bb

Compound name: 13C3-PFBS

Response Factor: 0.109211

RRF SD: 0.00692146, Relative SD: 6.3377

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	12.500	2.53	1557.144	13011.596	1.496	13.7	9.6	NO		NO	bb
2	2 180130M2_3	Standard	12.500	2.52	1504.408	13195.139	1.425	13.0	4.4	NO		NO	bb
3	3 180130M2_4	Standard	12.500	2.53	1373.188	13969.374	1.229	11.3	-10.0	NO		NO	bb
4	4 180130M2_5	Standard	12.500	2.53	1405.841	13576.036	1.294	11.9	-5.2	NO		NO	bb
5	5 180130M2_6	Standard	12.500	2.52	1473.915	12245.354	1.505	13.8	10.2	NO		NO	bb
6	6 180130M2_7	Standard	12.500	2.52	1524.539	14139.857	1.348	12.3	-1.3	NO		NO	bb
7	7 180130M2_8	Standard	12.500	2.52	1550.796	14528.324	1.334	12.2	-2.3	NO		NO	bb
8	8 180130M2_9	Standard	12.500	2.52	1524.122	14090.640	1.352	12.4	-1.0	NO		NO	bb
9	9 180130M2_10	Standard	12.500	2.53	1426.854	13488.114	1.322	12.1	-3.1	NO		NO	bb
10	10 180130M2_11	Standard	12.500	2.53	1309.955	12163.914	1.346	12.3	-1.4	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time

Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 13C2-PFHxA

Response Factor: 0.683986

RRF SD: 0.0402348, Relative SD: 5.8824

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	5.000	3.02	3444.513	13011.596	3.309	4.8	-3.2	NO		NO	bb
2	2 180130M2_3	Standard	5.000	3.02	3804.890	13195.139	3.604	5.3	5.4	NO		NO	bb
3	3 180130M2_4	Standard	5.000	3.02	3925.958	13969.374	3.513	5.1	2.7	NO		NO	bb
4	4 180130M2_5	Standard	5.000	3.02	3424.845	13576.036	3.153	4.6	-7.8	NO		NO	bb
5	5 180130M2_6	Standard	5.000	3.02	3509.592	12245.354	3.583	5.2	4.8	NO		NO	bb
6	6 180130M2_7	Standard	5.000	3.02	3506.838	14139.857	3.100	4.5	-9.4	NO		NO	bb
7	7 180130M2_8	Standard	5.000	3.02	3857.463	14528.324	3.319	4.9	-3.0	NO		NO	bb
8	8 180130M2_9	Standard	5.000	3.02	4084.247	14090.640	3.623	5.3	5.9	NO		NO	bb
9	9 180130M2_10	Standard	5.000	3.02	3610.123	13488.114	3.346	4.9	-2.2	NO		NO	bb
10	10 180130M2_11	Standard	5.000	3.02	3550.825	12163.914	3.649	5.3	6.7	NO		NO	bb

Compound name: 13C4-PFHpA

Response Factor: 0.73222

RRF SD: 0.0705618, Relative SD: 9.6367

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	12.500	3.64	8881.518	13011.596	8.532	11.7	-6.8	NO		NO	bb
2	2 180130M2_3	Standard	12.500	3.64	9917.206	13195.139	9.395	12.8	2.6	NO		NO	bb
3	3 180130M2_4	Standard	12.500	3.64	11092.101	13969.374	9.925	13.6	8.4	NO		NO	bb
4	4 180130M2_5	Standard	12.500	3.64	8887.327	13576.036	8.183	11.2	-10.6	NO		NO	bb
5	5 180130M2_6	Standard	12.500	3.64	10858.797	12245.354	11.085	15.1	21.1	NO		NO	bb
6	6 180130M2_7	Standard	12.500	3.64	10289.855	14139.857	9.096	12.4	-0.6	NO		NO	bb
7	7 180130M2_8	Standard	12.500	3.64	9713.688	14528.324	8.358	11.4	-8.7	NO		NO	bb
8	8 180130M2_9	Standard	12.500	3.64	10630.633	14090.640	9.431	12.9	3.0	NO		NO	bb
9	9 180130M2_10	Standard	12.500	3.64	9057.838	13488.114	8.394	11.5	-8.3	NO		NO	bb
10	10 180130M2_11	Standard	12.500	3.64	8883.200	12163.914	9.129	12.5	-0.3	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
 Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 1802-PFHxS

Response Factor: 0.318489

RRF SD: 0.026213, Relative SD: 8.23042

Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180130M2_2	Standard	12.500	3.79	1053.045	3133.309	4.201	13.2	5.5	NO		NO	bb
2	180130M2_3	Standard	12.500	3.79	903.095	3317.915	3.402	10.7	-14.5	NO		NO	bb
3	180130M2_4	Standard	12.500	3.79	997.103	3208.628	3.884	12.2	-2.4	NO		NO	bb
4	180130M2_5	Standard	12.500	3.80	989.370	3366.284	3.674	11.5	-7.7	NO		NO	bb
5	180130M2_6	Standard	12.500	3.80	1029.990	2940.188	4.379	13.7	10.0	NO		NO	bb
6	180130M2_7	Standard	12.500	3.80	963.713	3305.314	3.645	11.4	-8.5	NO		NO	bb
7	180130M2_8	Standard	12.500	3.79	1168.792	3393.047	4.306	13.5	8.2	NO		NO	bb
8	180130M2_9	Standard	12.500	3.80	1095.959	3208.935	4.269	13.4	7.2	NO		NO	bb
9	180130M2_10	Standard	12.500	3.80	1005.605	3056.239	4.113	12.9	3.3	NO		NO	bb
10	180130M2_11	Standard	12.500	3.79	900.761	2859.102	3.938	12.4	-1.1	NO		NO	bb

Compound name: 13C2-6:2 FTS

Response Factor: 0.263169

RRF SD: 0.050723, Relative SD: 19.2739

Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)

Curve type: RF

not used.

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180130M2_2	Standard	12.500	4.11	3156.692	13162.293	2.998	11.4	-8.9	NO		NO	bb
2	180130M2_3	Standard	12.500	4.11	3107.359	13413.036	2.896	11.0	-12.0	NO		NO	bb
3	180130M2_4	Standard	12.500	4.11	3000.727	12444.263	3.014	11.5	-8.4	NO		NO	bb
4	180130M2_5	Standard	12.500	4.11	3251.060	10618.383	3.827	14.5	16.3	NO		NO	bb
5	180130M2_6	Standard	12.500	4.11	2980.632	10988.482	3.392	12.9	3.1	NO		NO	bb
6	180130M2_7	Standard	12.500	4.11	2653.478	13183.299	2.516	9.6	-23.5	NO		NO	bb
7	180130M2_8	Standard	12.500	4.11	4002.189	11411.057	4.384	16.7	33.3	NO		NO	bb
8	180130M2_9	Standard	12.500	4.11	4850.995	14180.067	4.276	16.2	30.0	NO		NO	bbX
9	180130M2_10	Standard	12.500	4.11	5655.589	12593.902	5.613	21.3	70.6	NO		NO	bbX
10	180130M2_11	Standard	12.500	4.11	8018.997	9719.872	10.313	39.2	213.5	NO		NO	bbX

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
 Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 13C2-PFOA

Response Factor: 1.12022

RRF SD: 0.11738, Relative SD: 10.4783

Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	12.500	4.16	13083.550	13162.293	12.425	11.1	-11.3	NO		NO	bb
2	2 180130M2_3	Standard	12.500	4.16	12909.832	13413.036	12.031	10.7	-14.1	NO		NO	bb
3	3 180130M2_4	Standard	12.500	4.16	13755.024	12444.263	13.817	12.3	-1.3	NO		NO	bb
4	4 180130M2_5	Standard	12.500	4.17	12662.505	10618.383	14.906	13.3	6.5	NO		NO	bb
5	5 180130M2_6	Standard	12.500	4.17	13917.645	10983.482	15.839	14.1	13.1	NO		NO	bb
6	6 180130M2_7	Standard	12.500	4.17	13938.184	13183.299	13.216	11.8	-5.6	NO		NO	bb
7	7 180130M2_8	Standard	12.500	4.16	14519.339	11411.057	15.905	14.2	13.6	NO		NO	bb
8	8 180130M2_9	Standard	12.500	4.16	15012.127	14180.067	13.233	11.8	-5.5	NO		NO	bb
9	9 180130M2_10	Standard	12.500	4.16	13058.033	12593.902	12.961	11.6	-7.4	NO		NO	bb
10	10 180130M2_11	Standard	12.500	4.16	12203.416	9719.872	15.694	14.0	12.1	NO		NO	bb

Compound name: 13C5-PFNA

Response Factor: 0.920666

RRF SD: 0.0784975, Relative SD: 8.52617

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	12.500	4.60	11924.658	13730.651	10.856	11.8	-5.7	NO		NO	bb
2	2 180130M2_3	Standard	12.500	4.60	12590.917	13491.499	11.666	12.7	1.4	NO		NO	bb
3	3 180130M2_4	Standard	12.500	4.61	13916.688	13218.265	13.160	14.3	14.4	NO		NO	bb
4	4 180130M2_5	Standard	12.500	4.61	11553.559	14457.424	9.989	10.9	-13.2	NO		NO	bb
5	5 180130M2_6	Standard	12.500	4.60	11286.473	13628.121	10.352	11.2	-10.0	NO		NO	bb
6	6 180130M2_7	Standard	12.500	4.60	12654.078	14589.838	10.842	11.8	-5.8	NO		NO	bb
7	7 180130M2_8	Standard	12.500	4.60	13283.173	13391.367	12.399	13.5	7.7	NO		NO	bb
8	8 180130M2_9	Standard	12.500	4.61	13966.063	14545.903	12.002	13.0	4.3	NO		NO	bb
9	9 180130M2_10	Standard	12.500	4.60	11905.473	12351.872	12.048	13.1	4.7	NO		NO	bb
10	10 180130M2_11	Standard	12.500	4.60	9374.423	9956.430	11.769	12.8	2.3	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
 Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 13C8-PFOSA

Response Factor: 0.244741

RRF SD: 0.0264031, Relative SD: 10.7882

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180130M2_2	Standard	12.500	4.66	3565.097	15755.338	2.828	11.6	-7.5	NO		NO	bb
2	2	180130M2_3	Standard	12.500	4.66	3407.638	15660.628	2.720	11.1	-11.1	NO		NO	bb
3	3	180130M2_4	Standard	12.500	4.67	3539.375	12675.027	3.491	14.3	14.1	NO		NO	bb
4	4	180130M2_5	Standard	12.500	4.67	3497.803	14189.852	3.081	12.6	0.7	NO		NO	bb
5	5	180130M2_6	Standard	12.500	4.67	3378.658	11842.846	3.566	14.6	16.6	NO		NO	bb
6	6	180130M2_7	Standard	12.500	4.67	3567.036	14412.081	3.094	12.6	1.1	NO		NO	bb
7	7	180130M2_8	Standard	12.500	4.66	3558.686	14198.612	3.133	12.8	2.4	NO		NO	bb
8	8	180130M2_9	Standard	12.500	4.67	3598.307	16312.248	2.757	11.3	-9.9	NO		NO	bb
9	9	180130M2_10	Standard	12.500	4.66	2758.122	13227.100	2.607	10.7	-14.8	NO		NO	bb
10	10	180130M2_11	Standard	12.500	4.66	2957.394	11149.031	3.316	13.5	8.4	NO		NO	bb

Compound name: 13C8-PFOS

Response Factor: 1.03353

RRF SD: 0.0998805, Relative SD: 9.66405

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180130M2_2	Standard	12.500	4.69	3303.503	3212.197	12.855	12.4	-0.5	NO		NO	bb
2	2	180130M2_3	Standard	12.500	4.69	2799.563	3362.358	10.408	10.1	-19.4	NO		NO	bb
3	3	180130M2_4	Standard	12.500	4.69	3313.572	3363.125	12.316	11.9	-4.7	NO		NO	bb
4	4	180130M2_5	Standard	12.500	4.69	3118.645	2718.791	14.338	13.9	11.0	NO		NO	bb
5	5	180130M2_6	Standard	12.500	4.69	3222.721	2720.529	14.807	14.3	14.6	NO		NO	bb
6	6	180130M2_7	Standard	12.500	4.69	3355.895	3128.131	13.410	13.0	3.8	NO		NO	bb
7	7	180130M2_8	Standard	12.500	4.69	3007.765	2802.440	13.416	13.0	3.8	NO		NO	bb
8	8	180130M2_9	Standard	12.500	4.69	3145.492	3275.906	12.002	11.6	-7.1	NO		NO	bb
9	9	180130M2_10	Standard	12.500	4.69	2900.628	2730.239	13.280	12.8	2.8	NO		NO	bb
10	10	180130M2_11	Standard	12.500	4.69	2708.485	2739.693	12.358	12.0	-4.3	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
 Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 13C2-PFDA

Response Factor: 1.07972
 RRF SD: 0.153332, Relative SD: 14.2011
 Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180130M2_2	Standard	12.500	4.98	10373.150	11681.606	11.100	10.3	-17.8	NO		NO	bb
2	180130M2_3	Standard	12.500	4.98	11181.896	11524.776	12.128	11.2	-10.1	NO		NO	bb
3	180130M2_4	Standard	12.500	4.98	11103.892	10147.010	13.679	12.7	1.4	NO		NO	bb
4	180130M2_5	Standard	12.500	4.98	11098.916	12501.062	11.098	10.3	-17.8	NO		NO	bb
5	180130M2_6	Standard	12.500	4.98	13841.649	11576.651	14.946	13.8	10.7	NO		NO	bb
6	180130M2_7	Standard	12.500	4.98	13395.807	11702.526	14.309	13.3	6.0	NO		NO	bb
7	180130M2_8	Standard	12.500	4.98	13454.328	11645.483	14.442	13.4	7.0	NO		NO	bb
8	180130M2_9	Standard	12.500	4.98	12731.192	12593.452	12.637	11.7	-6.4	NO		NO	bb
9	180130M2_10	Standard	12.500	4.98	11335.476	10707.824	13.233	12.3	-2.0	NO		NO	bb
10	180130M2_11	Standard	12.500	4.98	12827.448	9217.814	17.395	16.1	28.9	NO		NO	bb

Compound name: 13C2-8:2 FTS

Response Factor: 0.164841
 RRF SD: 0.0113088, Relative SD: 6.86043
 Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
 Curve type: RF

not used.

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180130M2_2	Standard	12.500	4.95	2169.507	13011.596	2.084	12.6	1.1	NO		NO	bb
2	180130M2_3	Standard	12.500	4.95	2044.149	13195.139	1.936	11.7	-6.0	NO		NO	bb
3	180130M2_4	Standard	12.500	4.95	2397.072	13969.374	2.145	13.0	4.1	NO		NO	bb
4	180130M2_5	Standard	12.500	4.95	2070.323	13576.036	1.906	11.6	-7.5	NO		NO	bb
5	180130M2_6	Standard	12.500	4.95	2248.008	12245.354	2.295	13.9	11.4	NO		NO	bb
6	180130M2_7	Standard	12.500	4.95	2193.182	14139.857	1.939	11.8	-5.9	NO		NO	bb
7	180130M2_8	Standard	12.500	4.95	2461.959	14528.324	2.118	12.9	2.8	NO		NO	bb
8	180130M2_9	Standard	12.500	4.95	3667.879	14090.640	3.254	19.7	57.9	NO		NO	bbX
9	180130M2_10	Standard	12.500	4.95	4299.694	13488.114	3.985	24.2	93.4	NO		NO	bbX
10	180130M2_11	Standard	12.500	4.95	5071.375	12163.914	5.211	31.6	152.9	NO		NO	bbX

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Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time

Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: d3-N-MeFOSAA

Response Factor: 0.397712

RRF SD: 0.048044, Relative SD: 12.0801

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180130M2_2	Standard	12.500	5.13	5651.358	15755.338	4.484	11.3	-9.8	NO		NO	bb
2	180130M2_3	Standard	12.500	5.13	5094.401	15660.628	4.066	10.2	-18.2	NO		NO	bb
3	180130M2_4	Standard	12.500	5.13	5659.655	12675.027	5.582	14.0	12.3	NO		NO	bb
4	180130M2_5	Standard	12.500	5.14	5256.864	14189.852	4.631	11.6	-6.9	NO		NO	bb
5	180130M2_6	Standard	12.500	5.13	5623.414	11842.846	5.935	14.9	19.4	NO		NO	bb
6	180130M2_7	Standard	12.500	5.13	5524.531	14412.081	4.792	12.0	-3.6	NO		NO	bb
7	180130M2_8	Standard	12.500	5.13	5612.226	14198.612	4.941	12.4	-0.6	NO		NO	bb
8	180130M2_9	Standard	12.500	5.13	6113.146	16312.248	4.684	11.8	-5.8	NO		NO	bb
9	180130M2_10	Standard	12.500	5.13	5111.627	13227.100	4.831	12.1	-2.8	NO		NO	bb
10	180130M2_11	Standard	12.500	5.13	5145.271	11149.031	5.769	14.5	16.0	NO		NO	bb

Compound name: d5-N-EtFOSAA

Response Factor: 0.424932

RRF SD: 0.0580241, Relative SD: 13.6549

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	180130M2_2	Standard	12.500	5.28	6094.616	15755.338	4.835	11.4	-9.0	NO		NO	MM
2	180130M2_3	Standard	12.500	5.29	6234.195	15660.628	4.976	11.7	-6.3	NO		NO	MM
3	180130M2_4	Standard	12.500	5.29	6814.311	12675.027	6.720	15.8	26.5	NO		NO	MM
4	180130M2_5	Standard	12.500	5.29	4971.428	14189.852	4.379	10.3	-17.6	NO		NO	MM
5	180130M2_6	Standard	12.500	5.29	5897.333	11842.846	6.225	14.6	17.2	NO		NO	bb
6	180130M2_7	Standard	12.500	5.29	6240.996	14412.081	5.413	12.7	1.9	NO		NO	bb
7	180130M2_8	Standard	12.500	5.29	6520.371	14198.612	5.740	13.5	8.1	NO		NO	bb
8	180130M2_9	Standard	12.500	5.29	6313.640	16312.248	4.838	11.4	-8.9	NO		NO	bb
9	180130M2_10	Standard	12.500	5.29	5061.634	13227.100	4.783	11.3	-9.9	NO		NO	bb
10	180130M2_11	Standard	12.500	5.29	4643.514	11149.031	5.206	12.3	-2.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
 Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 13C2-PFUdA

Response Factor: 1.0474

RRF SD: 0.125136, Relative SD: 11.9473

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	12.500	5.30	16376.577	15755.338	12.993	12.4	-0.8	NO		NO	bb
2	2 180130M2_3	Standard	12.500	5.30	14143.141	15660.628	11.289	10.8	-13.8	NO		NO	bb
3	3 180130M2_4	Standard	12.500	5.31	14888.429	12675.027	14.683	14.0	12.1	NO		NO	bb
4	4 180130M2_5	Standard	12.500	5.31	15103.803	14189.852	13.305	12.7	1.6	NO		NO	bb
5	5 180130M2_6	Standard	12.500	5.31	14910.061	11842.846	15.737	15.0	20.2	NO		NO	bb
6	6 180130M2_7	Standard	12.500	5.31	14939.002	14412.081	12.957	12.4	-1.0	NO		NO	bb
7	7 180130M2_8	Standard	12.500	5.31	13571.186	14198.612	11.948	11.4	-8.7	NO		NO	bb
8	8 180130M2_9	Standard	12.500	5.31	14580.421	16312.248	11.173	10.7	-14.7	NO		NO	bb
9	9 180130M2_10	Standard	12.500	5.31	12712.355	13227.100	12.014	11.5	-8.2	NO		NO	bb
10	10 180130M2_11	Standard	12.500	5.31	13224.735	11149.031	14.827	14.2	13.2	NO		NO	bb

Compound name: 13C2-PFDoA

Response Factor: 0.805274

RRF SD: 0.138303, Relative SD: 17.1746

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	12.500	5.59	9896.215	15755.338	7.851	9.8	-22.0	NO		NO	bb
2	2 180130M2_3	Standard	12.500	5.59	9179.814	15660.628	7.327	9.1	-27.2	NO		NO	bb
3	3 180130M2_4	Standard	12.500	5.59	11021.308	12675.027	10.869	13.5	8.0	NO		NO	bb
4	4 180130M2_5	Standard	12.500	5.59	12445.758	14189.852	10.964	13.6	8.9	NO		NO	bb
5	5 180130M2_6	Standard	12.500	5.59	12067.352	11842.846	12.737	15.8	26.5	NO		NO	bb
6	6 180130M2_7	Standard	12.500	5.60	12514.131	14412.081	10.854	13.5	7.8	NO		NO	bb
7	7 180130M2_8	Standard	12.500	5.60	10850.401	14198.612	9.552	11.9	-5.1	NO		NO	bb
8	8 180130M2_9	Standard	12.500	5.59	11191.926	16312.248	8.576	10.7	-14.8	NO		NO	bb
9	9 180130M2_10	Standard	12.500	5.59	10785.471	13227.100	10.193	12.7	1.3	NO		NO	bb
10	10 180130M2_11	Standard	12.500	5.59	10467.454	11149.031	11.736	14.6	16.6	NO		NO	bb

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time

Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: d3-N-MeFOSA

Response Factor: 0.103574

RRF SD: 0.0146509, Relative SD: 14.1454

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc.	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	150.000	5.74	16447.836	15755.338	13.049	126.0	-16.0	NO		NO	bb
2	2 180130M2_3	Standard	150.000	5.74	16202.515	15660.628	12.933	124.9	-16.8	NO		NO	bb
3	3 180130M2_4	Standard	150.000	5.74	17642.555	12675.027	17.399	168.0	12.0	NO		NO	bb
4	4 180130M2_5	Standard	150.000	5.74	16327.131	14189.852	14.383	138.9	-7.4	NO		NO	bb
5	5 180130M2_6	Standard	150.000	5.74	16733.125	11842.846	17.662	170.5	13.7	NO		NO	bb
6	6 180130M2_7	Standard	150.000	5.74	17104.477	14412.081	14.835	143.2	-4.5	NO		NO	bb
7	7 180130M2_8	Standard	150.000	5.74	17488.910	14198.612	15.397	148.7	-0.9	NO		NO	bb
8	8 180130M2_9	Standard	150.000	5.74	18006.723	16312.248	13.798	133.2	-11.2	NO		NO	bb
9	9 180130M2_10	Standard	150.000	5.74	17167.242	13227.100	16.224	156.6	4.4	NO		NO	bb
10	10 180130M2_11	Standard	150.000	5.74	17554.230	11149.031	19.681	190.0	26.7	NO		NO	bb

Compound name: 13C2-PFTeDA

Response Factor: 0.36698

RRF SD: 0.0540347, Relative SD: 14.7241

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc.	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	12.500	6.07	4814.393	15755.338	3.820	10.4	-16.7	NO		NO	bb
2	2 180130M2_3	Standard	12.500	6.07	4451.768	15660.628	3.553	9.7	-22.5	NO		NO	bb
3	3 180130M2_4	Standard	12.500	6.06	4605.410	12675.027	4.542	12.4	-1.0	NO		NO	bb
4	4 180130M2_5	Standard	12.500	6.06	5326.945	14189.852	4.693	12.8	2.3	NO		NO	bb
5	5 180130M2_6	Standard	12.500	6.06	4987.994	11842.846	5.265	14.3	14.8	NO		NO	bb
6	6 180130M2_7	Standard	12.500	6.06	5603.112	14412.081	4.860	13.2	5.9	NO		NO	bb
7	7 180130M2_8	Standard	12.500	6.07	5129.476	14198.612	4.516	12.3	-1.6	NO		NO	bb
8	8 180130M2_9	Standard	12.500	6.06	5040.080	16312.248	3.862	10.5	-15.8	NO		NO	bb
9	9 180130M2_10	Standard	12.500	6.07	5446.927	13227.100	5.148	14.0	12.2	NO		NO	bb
10	10 180130M2_11	Standard	12.500	6.06	5008.250	11149.031	5.615	15.3	22.4	NO		NO	bb

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time

Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: d5-N-ETFOSA

Response Factor: 0.154763

RRF SD: 0.014663, Relative SD: 9.47446

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	150.000	6.14	26732.176	15755.338	21.209	137.0	-8.6	NO		NO	bb
2	2 180130M2_3	Standard	150.000	6.14	25847.691	15660.628	20.631	133.3	-11.1	NO		NO	bb
3	3 180130M2_4	Standard	150.000	6.15	25791.316	12675.027	25.435	164.3	9.6	NO		NO	bb
4	4 180130M2_5	Standard	150.000	6.15	26573.410	14189.852	23.409	151.3	0.8	NO		NO	bb
5	5 180130M2_6	Standard	150.000	6.15	25316.451	11842.846	26.721	172.7	15.1	NO		NO	bb
6	6 180130M2_7	Standard	150.000	6.15	25481.031	14412.081	22.100	142.8	-4.8	NO		NO	bb
7	7 180130M2_8	Standard	150.000	6.15	26351.174	14198.612	23.199	149.9	-0.1	NO		NO	bb
8	8 180130M2_9	Standard	150.000	6.15	26572.170	16312.248	20.362	131.6	-12.3	NO		NO	bb
9	9 180130M2_10	Standard	150.000	6.15	24740.119	13227.100	23.380	151.1	0.7	NO		NO	bb
10	10 180130M2_11	Standard	150.000	6.15	22921.061	11149.031	25.698	166.1	10.7	NO		NO	bb

Compound name: 13C2-PFHxDA

Response Factor: 0.721387

RRF SD: 0.12471, Relative SD: 17.2875

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	5.000	6.40	3669.718	15755.338	2.911	4.0	-19.3	NO		NO	bb
2	2 180130M2_3	Standard	5.000	6.40	3465.723	15660.628	2.766	3.8	-23.3	NO		NO	bb
3	3 180130M2_4	Standard	5.000	6.41	4127.492	12675.027	4.070	5.6	12.9	NO		NO	bb
4	4 180130M2_5	Standard	5.000	6.41	4006.979	14189.852	3.530	4.9	-2.1	NO		NO	bb
5	5 180130M2_6	Standard	5.000	6.41	4192.145	11842.846	4.425	6.1	22.7	NO		NO	bb
6	6 180130M2_7	Standard	5.000	6.41	3563.170	14412.081	3.090	4.3	-14.3	NO		NO	bb
7	7 180130M2_8	Standard	5.000	6.40	3902.427	14198.612	3.436	4.8	-4.8	NO		NO	bb
8	8 180130M2_9	Standard	5.000	6.40	4303.081	16312.248	3.297	4.6	-8.6	NO		NO	bb
9	9 180130M2_10	Standard	5.000	6.40	4236.179	13227.100	4.003	5.5	11.0	NO		NO	bb
10	10 180130M2_11	Standard	5.000	6.40	4049.145	11149.031	4.540	6.3	25.9	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
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Compound name: d7-N-MeFOSE

Response Factor: 0.142533

RRF SD: 0.0276541, Relative SD: 19.4019

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	150.000	6.28	20511.127	15755.338	16.273	114.2	-23.9	NO		NO	bb
2	2 180130M2_3	Standard	150.000	6.28	25191.553	15660.628	20.107	141.1	-6.0	NO		NO	bb
3	3 180130M2_4	Standard	150.000	6.29	25217.705	12675.027	24.869	174.5	16.3	NO		NO	bb
4	4 180130M2_5	Standard	150.000	6.29	18800.625	14189.852	16.562	116.2	-22.5	NO		NO	bd
5	5 180130M2_6	Standard	150.000	6.30	24643.811	11842.846	26.011	182.5	21.7	NO		NO	bb
6	6 180130M2_7	Standard	150.000	6.29	21160.852	14412.081	18.353	128.8	-14.2	NO		NO	bb
7	7 180130M2_8	Standard	150.000	6.29	25076.201	14198.612	22.076	154.9	3.3	NO		NO	bb
8	8 180130M2_9	Standard	150.000	6.29	23019.229	16312.248	17.640	123.8	-17.5	NO		NO	bb
9	9 180130M2_10	Standard	150.000	6.29	25816.693	13227.100	24.398	171.2	14.1	NO		NO	bb
10	10 180130M2_11	Standard	150.000	6.28	24536.986	11149.031	27.510	193.0	28.7	NO		NO	bb

Compound name: d9-N-EtFOSE

Response Factor: 0.132647

RRF SD: 0.019358, Relative SD: 14.5937

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	150.000	6.44	19448.451	15755.338	15.430	116.3	-22.5	NO		NO	bb
2	2 180130M2_3	Standard	150.000	6.44	24035.443	15660.628	19.185	144.6	-3.6	NO		NO	bd
3	3 180130M2_4	Standard	150.000	6.44	24472.643	12675.027	24.135	181.9	21.3	NO		NO	bb
4	4 180130M2_5	Standard	150.000	6.44	18758.516	14189.852	16.525	124.6	-16.9	NO		NO	bb
5	5 180130M2_6	Standard	150.000	6.44	20007.965	11842.846	21.118	159.2	6.1	NO		NO	bb
6	6 180130M2_7	Standard	150.000	6.44	25158.520	14412.081	21.821	164.5	9.7	NO		NO	bb
7	7 180130M2_8	Standard	150.000	6.44	21715.514	14198.612	19.118	144.1	-3.9	NO		NO	bb
8	8 180130M2_9	Standard	150.000	6.44	23753.662	16312.248	18.202	137.2	-8.5	NO		NO	bb
9	9 180130M2_10	Standard	150.000	6.44	20525.086	13227.100	19.397	146.2	-2.5	NO		NO	bb
10	10 180130M2_11	Standard	150.000	6.44	21442.361	11149.031	24.041	181.2	20.8	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
 Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 13C4-PFBA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	12.500	1.28	8210.687	8210.687	12.500	12.5	0.0	NO		NO	MM
2	2 180130M2_3	Standard	12.500	1.28	8326.326	8326.326	12.500	12.5	0.0	NO		NO	MM
3	3 180130M2_4	Standard	12.500	1.28	8545.569	8545.569	12.500	12.5	0.0	NO		NO	MM
4	4 180130M2_5	Standard	12.500	1.29	8399.944	8399.944	12.500	12.5	0.0	NO		NO	MM
5	5 180130M2_6	Standard	12.500	1.28	8315.953	8315.953	12.500	12.5	0.0	NO		NO	MM
6	6 180130M2_7	Standard	12.500	1.29	8964.952	8964.952	12.500	12.5	0.0	NO		NO	bb
7	7 180130M2_8	Standard	12.500	1.29	9521.732	9521.732	12.500	12.5	0.0	NO		NO	MM
8	8 180130M2_9	Standard	12.500	1.29	10081.110	10081.110	12.500	12.5	0.0	NO		NO	bb
9	9 180130M2_10	Standard	12.500	1.29	9700.431	9700.431	12.500	12.5	0.0	NO		NO	db
10	10 180130M2_11	Standard	12.500	1.29	9912.341	9912.341	12.500	12.5	0.0	NO		NO	MM

Compound name: 13C5-PFHxA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	12.500	3.02	13011.596	13011.596	12.500	12.5	0.0	NO		NO	bb
2	2 180130M2_3	Standard	12.500	3.02	13195.139	13195.139	12.500	12.5	0.0	NO		NO	bb
3	3 180130M2_4	Standard	12.500	3.02	13969.374	13969.374	12.500	12.5	0.0	NO		NO	bb
4	4 180130M2_5	Standard	12.500	3.02	13576.036	13576.036	12.500	12.5	0.0	NO		NO	bb
5	5 180130M2_6	Standard	12.500	3.02	12245.354	12245.354	12.500	12.5	0.0	NO		NO	bb
6	6 180130M2_7	Standard	12.500	3.02	14139.857	14139.857	12.500	12.5	0.0	NO		NO	bb
7	7 180130M2_8	Standard	12.500	3.02	14528.324	14528.324	12.500	12.5	0.0	NO		NO	bb
8	8 180130M2_9	Standard	12.500	3.02	14090.640	14090.640	12.500	12.5	0.0	NO		NO	bb
9	9 180130M2_10	Standard	12.500	3.02	13488.114	13488.114	12.500	12.5	0.0	NO		NO	bb
10	10 180130M2_11	Standard	12.500	3.02	12163.914	12163.914	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
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Compound name: 13C3-PFHxS

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	12.500	3.79	3133.309	3133.309	12.500	12.5	0.0	NO		NO	bb
2	2 180130M2_3	Standard	12.500	3.79	3317.915	3317.915	12.500	12.5	0.0	NO		NO	bb
3	3 180130M2_4	Standard	12.500	3.79	3208.628	3208.628	12.500	12.5	0.0	NO		NO	bb
4	4 180130M2_5	Standard	12.500	3.80	3366.284	3366.284	12.500	12.5	0.0	NO		NO	bb
5	5 180130M2_6	Standard	12.500	3.80	2940.188	2940.188	12.500	12.5	0.0	NO		NO	bb
6	6 180130M2_7	Standard	12.500	3.80	3305.314	3305.314	12.500	12.5	0.0	NO		NO	bb
7	7 180130M2_8	Standard	12.500	3.79	3393.047	3393.047	12.500	12.5	0.0	NO		NO	bb
8	8 180130M2_9	Standard	12.500	3.80	3208.935	3208.935	12.500	12.5	0.0	NO		NO	bb
9	9 180130M2_10	Standard	12.500	3.79	3056.239	3056.239	12.500	12.5	0.0	NO		NO	bb
10	10 180130M2_11	Standard	12.500	3.80	2859.102	2859.102	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C8-PFOA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	12.500	4.16	13162.293	13162.293	12.500	12.5	0.0	NO		NO	bb
2	2 180130M2_3	Standard	12.500	4.16	13413.036	13413.036	12.500	12.5	0.0	NO		NO	bb
3	3 180130M2_4	Standard	12.500	4.16	12444.263	12444.263	12.500	12.5	0.0	NO		NO	bb
4	4 180130M2_5	Standard	12.500	4.17	10618.383	10618.383	12.500	12.5	0.0	NO		NO	bb
5	5 180130M2_6	Standard	12.500	4.17	10983.482	10983.482	12.500	12.5	0.0	NO		NO	bb
6	6 180130M2_7	Standard	12.500	4.17	13183.299	13183.299	12.500	12.5	0.0	NO		NO	bb
7	7 180130M2_8	Standard	12.500	4.16	11411.057	11411.057	12.500	12.5	0.0	NO		NO	bb
8	8 180130M2_9	Standard	12.500	4.16	14180.067	14180.067	12.500	12.5	0.0	NO		NO	bb
9	9 180130M2_10	Standard	12.500	4.16	12593.902	12593.902	12.500	12.5	0.0	NO		NO	bb
10	10 180130M2_11	Standard	12.500	4.17	9719.872	9719.872	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time

Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 13C9-PFNA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	12.500	4.60	13730.651	13730.651	12.500	12.5	0.0	NO		NO	bb
2	2 180130M2_3	Standard	12.500	4.60	13491.499	13491.499	12.500	12.5	0.0	NO		NO	bb
3	3 180130M2_4	Standard	12.500	4.60	13218.265	13218.265	12.500	12.5	0.0	NO		NO	bb
4	4 180130M2_5	Standard	12.500	4.61	14457.424	14457.424	12.500	12.5	0.0	NO		NO	bb
5	5 180130M2_6	Standard	12.500	4.60	13628.121	13628.121	12.500	12.5	0.0	NO		NO	bb
6	6 180130M2_7	Standard	12.500	4.60	14589.838	14589.838	12.500	12.5	0.0	NO		NO	bb
7	7 180130M2_8	Standard	12.500	4.60	13391.367	13391.367	12.500	12.5	0.0	NO		NO	bb
8	8 180130M2_9	Standard	12.500	4.61	14545.903	14545.903	12.500	12.5	0.0	NO		NO	bb
9	9 180130M2_10	Standard	12.500	4.60	12351.872	12351.872	12.500	12.5	0.0	NO		NO	bb
10	10 180130M2_11	Standard	12.500	4.60	9956.430	9956.430	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C4-PFOS

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	12.500	4.69	3212.197	3212.197	12.500	12.5	0.0	NO		NO	bb
2	2 180130M2_3	Standard	12.500	4.69	3362.358	3362.358	12.500	12.5	0.0	NO		NO	bb
3	3 180130M2_4	Standard	12.500	4.69	3363.125	3363.125	12.500	12.5	0.0	NO		NO	bb
4	4 180130M2_5	Standard	12.500	4.69	2718.791	2718.791	12.500	12.5	0.0	NO		NO	bb
5	5 180130M2_6	Standard	12.500	4.69	2720.529	2720.529	12.500	12.5	0.0	NO		NO	bb
6	6 180130M2_7	Standard	12.500	4.69	3128.131	3128.131	12.500	12.5	0.0	NO		NO	bb
7	7 180130M2_8	Standard	12.500	4.69	2802.440	2802.440	12.500	12.5	0.0	NO		NO	bb
8	8 180130M2_9	Standard	12.500	4.69	3275.906	3275.906	12.500	12.5	0.0	NO		NO	bb
9	9 180130M2_10	Standard	12.500	4.69	2730.239	2730.239	12.500	12.5	0.0	NO		NO	bb
10	10 180130M2_11	Standard	12.500	4.69	2739.693	2739.693	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time

Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 13C6-PFDA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	12.500	4.98	11681.606	11681.606	12.500	12.5	0.0	NO		NO	bb
2	2 180130M2_3	Standard	12.500	4.98	11524.776	11524.776	12.500	12.5	0.0	NO		NO	bb
3	3 180130M2_4	Standard	12.500	4.98	10147.010	10147.010	12.500	12.5	0.0	NO		NO	bb
4	4 180130M2_5	Standard	12.500	4.98	12501.062	12501.062	12.500	12.5	0.0	NO		NO	bb
5	5 180130M2_6	Standard	12.500	4.98	11576.651	11576.651	12.500	12.5	0.0	NO		NO	bb
6	6 180130M2_7	Standard	12.500	4.98	11702.526	11702.526	12.500	12.5	0.0	NO		NO	bb
7	7 180130M2_8	Standard	12.500	4.98	11645.483	11645.483	12.500	12.5	0.0	NO		NO	bb
8	8 180130M2_9	Standard	12.500	4.98	12593.452	12593.452	12.500	12.5	0.0	NO		NO	bb
9	9 180130M2_10	Standard	12.500	4.98	10707.824	10707.824	12.500	12.5	0.0	NO		NO	bb
10	10 180130M2_11	Standard	12.500	4.98	9217.814	9217.814	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C7-PFUdA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	12.500	5.30	15755.338	15755.338	12.500	12.5	0.0	NO		NO	bb
2	2 180130M2_3	Standard	12.500	5.30	15660.628	15660.628	12.500	12.5	0.0	NO		NO	bb
3	3 180130M2_4	Standard	12.500	5.30	12675.027	12675.027	12.500	12.5	0.0	NO		NO	bb
4	4 180130M2_5	Standard	12.500	5.31	14189.852	14189.852	12.500	12.5	0.0	NO		NO	bb
5	5 180130M2_6	Standard	12.500	5.31	11842.846	11842.846	12.500	12.5	0.0	NO		NO	bb
6	6 180130M2_7	Standard	12.500	5.31	14412.081	14412.081	12.500	12.5	0.0	NO		NO	bb
7	7 180130M2_8	Standard	12.500	5.31	14198.612	14198.612	12.500	12.5	0.0	NO		NO	bb
8	8 180130M2_9	Standard	12.500	5.31	16312.248	16312.248	12.500	12.5	0.0	NO		NO	bb
9	9 180130M2_10	Standard	12.500	5.30	13227.100	13227.100	12.500	12.5	0.0	NO		NO	bb
10	10 180130M2_11	Standard	12.500	5.30	11149.031	11149.031	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time

Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 13C2-4:2 FTS

Response Factor: 0.2749

RRF SD: 0.0536262, Relative SD: 19.5075

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 180130M2_2	Standard	12.500	2.93	3217.796	13011.596	3.091	11.2	-10.0	NO		NO	bb
2	2 180130M2_3	Standard	12.500	2.93	3239.996	13195.139	3.069	11.2	-10.7	NO		NO	bb
3	3 180130M2_4	Standard	12.500	2.93	3408.473	13969.374	3.050	11.1	-11.2	NO		NO	bb
4	4 180130M2_5	Standard	12.500	2.93	2957.988	13576.036	2.724	9.9	-20.7	NO		NO	bb
5	5 180130M2_6	Standard	12.500	2.93	3295.877	12245.354	3.364	12.2	-2.1	NO		NO	bb
6	6 180130M2_7	Standard	12.500	2.93	3567.222	14139.857	3.154	11.5	-8.2	NO		NO	bb
7	7 180130M2_8	Standard	12.500	2.93	4012.883	14528.324	3.453	12.6	0.5	NO		NO	bb
8	8 180130M2_9	Standard	12.500	2.93	4656.155	14090.640	4.131	15.0	20.2	NO		NO	bb
9	9 180130M2_10	Standard	12.500	2.93	5277.693	13488.114	4.891	17.8	42.3	NO		NO	bb
10	10 180130M2_11	Standard	12.500	2.93	7300.226	12163.914	7.502	27.3	118.3	NO		NO	bbX

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time

Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 08:59:53

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_2, Date: 30-Jan-2018, Time: 11:44:38, ID: ST180130M2-1 PFC CS-2 18A1904, Description: PFC CS-2 18A1904

#	Name	CoD	CoD Flag	%RSD
1	1 PFBA	0.9987	NO	
2	2 PFPeA	0.9997	NO	
3	3 PFBS	0.9996	NO	
4	4 4:2 FTS	0.9986	NO	
5	5 PFHxA	0.9991	NO	
6	6 PFPeS	0.9985	NO	
7	7 PFHpA	0.9938	NO	
8	8 L-PFHxS	0.9975	NO	
9	10 6:2 FTS	0.9990	NO	
10	11 L-PFOA	0.9996	NO	
11	13 PFHpS	0.9982	NO	
12	14 PFNA	0.9983	NO	
13	15 PFOSA	0.9949	NO	
14	16 L-PFOS	0.9992	NO	
15	18 PFDA	0.9980	NO	
16	19 8:2 FTS	0.9941	NO	
17	20 PFNS	0.9989	NO	
18	21 N-MeFOSAA	0.9989	NO	
19	22 N-EtFOSAA	0.9989	NO	
20	23 PFUdA	0.9993	NO	
21	24 PFDS	0.9986	NO	
22	25 PFDoA	0.9976	NO	
23	26 N-MeFOSA	0.9950	NO	
24	27 PFTTrDA	0.9984	NO	
25	28 PFTeDA	0.9987	NO	
26	29 N-EtFOSA	0.9994	NO	
27	30 PFHxDA	0.9996	NO	
28	31 PFODA	0.9960	NO	
29	32 N-MeFOSE	0.9928	NO	
30	33 N-EtFOSE	0.9922	NO	
31	34 13C3-PFBA		NO	4.005

Work Order 1701953

Dataset: Untitled

Last Altered: Wednesday, January 31, 2018 10:09:07 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:09:21 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 09:53:30
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180130M2_1	IPA	30-Jan-18	11:33:07
2	180130M2_2	ST180130M2-1 PFC CS-2 18A1904	30-Jan-18	11:44:38
3	180130M2_3	ST180130M2-2 PFC CS-1 18A1905	30-Jan-18	11:56:07
4	180130M2_4	ST180130M2-3 PFC CS0 18A1906	30-Jan-18	12:07:36
5	180130M2_5	ST180130M2-4 PFC CS1 18A1907	30-Jan-18	12:19:06
6	180130M2_6	ST180130M2-5 PFC CS2 18A1908	30-Jan-18	12:30:35
7	180130M2_7	ST180130M2-6 PFC CS3 18A1909	30-Jan-18	12:42:05
8	180130M2_8	ST180130M2-7 PFC CS4 18A1910	30-Jan-18	12:53:35
9	180130M2_9	ST180130M2-8 PFC CS5 18A1911	30-Jan-18	13:05:04
10	180130M2_10	ST180130M2-9 PFC CS6 18A2403	30-Jan-18	13:16:34
11	180130M2_11	ST180130M2-10 PFC CS7 18A2404	30-Jan-18	13:28:04
12	180130M2_12	IPA	30-Jan-18	13:39:34
13	180130M2_13	ICV180130M2-1 PFC ICV 18A1903	30-Jan-18	13:51:03
14	180130M2_14	IPA	30-Jan-18	14:02:33

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-13.qld

Ⓐ No SS available.

Last Altered: Wednesday, January 31, 2018 10:21:58 Pacific Standard Time

Printed: Wednesday, January 31, 2018 10:28:05 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 09:53:30

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

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Name: 180130M2_13, Date: 30-Jan-2018, Time: 13:51:03, ID: ICV180130M2-1 PFC ICV 18A1903, Description: PFC ICV 18A1903

#	Name	Trace	Area	IS Area	RRF	Divisor1	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	6.17e3	7.16e3	1.0000		1.29	1.29	10.8	9.289	92.9
2	2 PFPeA	263.1 > 218.9	9.33e3	1.18e4	1.0000		2.27	2.25	9.91	9.783	97.8
3	3 PFBS	299.0 > 79.7	1.91e3	1.52e3	1.0000		2.56	2.52	15.7	8.720	87.2
4	4 4:2 FTS	327.2>307.2	2.44e3	1.52e3	1.0000		2.93	2.93	20.1	10.83	108.3
5	5 PFHxA	313.2 > 268.9	1.29e4	4.05e3	1.0000		3.05	3.02	15.9	9.864	98.6
6	6 PFPeS	349.1>80.1	2.36e3	1.52e3	1.0000		3.23	3.23	19.4	9.994	99.9
7	7 PFHpA	363.0 > 318.9	1.06e4	1.03e4	1.0000		3.68	3.64	12.9	10.85	108.5
8	8 L-PFHxS	398.9 > 79.6	1.42e3	1.11e3	1.0000		3.80	3.80	15.9	8.576	85.8
9	10 6:2 FTS	427.1 > 407	2.60e3	1.42e4	1.0000		4.15	4.11	2.28	9.839	98.4
10	11 L-PFOA	413 > 368.7	1.12e4	1.42e4	1.0000		4.20	4.17	9.82	9.300	93.0
11	13 PFHpS	449 > 80.0	2.37e3	3.19e3	1.0000		4.30	4.28	9.30	9.228	92.3
12	14 PFNA	463.0 > 418.8	1.25e4	1.29e4	1.0000		4.65	4.61	12.2	9.799	98.0
13	15 PFOSA	498.1 > 77.8	3.04e3	3.14e3	1.0000		4.70	4.67	12.1	11.07	110.7
14	16 L-PFOS	499 > 79.9	2.50e3	3.19e3	1.0000		4.75	4.69	9.81	9.205	92.0
15	18 PFDA	513 > 468.8	1.32e4	1.21e4	1.0000		5.03	4.98	13.6	10.47	104.7
16	19 8:2 FTS	527 > 506.9	2.27e3	1.21e4	1.0000		5.00	4.95	2.35	9.494	94.9
17	20 PFNS	549.1>80.1		3.19e3							Ⓐ
18	21 N-MeFOSAA	570.1 > 419	6.65e3	6.01e3	1.0000		5.20	5.14	13.8	8.833	88.3
19	22 N-EtFOSAA	584.2 > 419	5.26e3	5.21e3	1.0000		5.30	5.29	12.6	11.51	115.1
20	23 PFUdA	563.0 > 518.9	1.26e4	1.24e4	1.0000		5.36	5.31	12.7	10.78	107.8
21	24 PFDS	598.8 > 80	2.94e3	1.24e4	1.0000		5.40	5.36	2.96	10.93	109.3
22	25 PFDaA	612.9 > 569.0	1.22e4	9.05e3	1.0000		5.65	5.59	16.9	11.37	113.7
23	26 N-MeFOSA	512.1 > 168.9		1.73e4	1.0000		5.70				Ⓐ
24	27 PFTrDA	662.9 > 618.9	1.16e4	4.31e3	1.0000		5.90	5.84	33.8	8.979	89.8
25	28 PFTeDA	712.9 > 668.8	7.46e3	4.31e3	1.0000		6.12	6.06	21.7	9.360	93.6
26	29 N-EtFOSA	526.1 > 168.9		2.66e4	1.0000		6.12				Ⓐ
27	30 PFHxDA	813.1 > 768.6		3.02e3	1.0000		6.46				
28	31 PFODA	913.1 > 868.8		3.02e3	1.0000		6.70				
29	32 N-MeFOSE	616.1 > 58.9		2.22e4	1.0000		6.31				
30	33 N-EtFOSE	630.1 > 58.9		1.85e4	1.0000		6.45				
31	Work Order 180130M2-13	216.1 > 171.8	7.16e3	8.08e3	0.842	1.0000	1.30	1.29	11.1	13.16	105.3

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Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-13.qld

Last Altered: Wednesday, January 31, 2018 10:21:58 Pacific Standard Time

Printed: Wednesday, January 31, 2018 10:28:05 Pacific Standard Time

Name: 180130M2_13, Date: 30-Jan-2018, Time: 13:51:03, ID: ICV180130M2-1 PFC ICV 18A1903, Description: PFC ICV 18A1903

	# Name	Trace	Area	IS Area	RRF	Divisor1	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35 13C3-PFPeA	266. > 221.8	1.18e4	1.50e4	0.870	1.0000	2.27	2.25	9.78	11.23	89.9
33	36 13C3-PFBS	302. > 98.8	1.52e3	1.50e4	0.109	1.0000	2.56	2.53	1.26	11.57	92.5
34	37 13C2-PFHxA	315 > 269.8	4.05e3	1.50e4	0.684	1.0000	3.05	3.02	3.37	4.922	98.4
35	38 13C4-PFHpA	367.2 > 321.8	1.03e4	1.50e4	0.732	1.0000	3.68	3.64	8.54	11.67	93.3
36	39 18O2-PFHxS	403.0 > 102.6	1.11e3	3.19e3	0.318	1.0000	3.80	3.80	4.35	13.67	109.4
37	40 13C2-6:2 FTS	429.1 > 408.9	3.29e3	1.27e4	0.263	1.0000	4.15	4.11	3.23	12.27	98.2
38	41 13C2-PFOA	414.9 > 369.7	1.42e4	1.27e4	1.120	1.0000	4.20	4.17	14.0	12.49	99.9
39	42 13C5-PFNA	468.2 > 422.9	1.29e4	1.45e4	0.921	1.0000	4.65	4.61	11.1	12.08	96.6
40	43 13C8-PFOA	506.1 > 77.7	3.14e3	1.35e4	0.245	1.0000	4.70	4.67	2.90	11.86	94.9
41	44 13C8-PFOS	507.0 > 79.9	3.19e3	3.20e3	1.034	1.0000	4.75	4.69	12.5	12.07	96.5
42	45 13C2-PFDA	515.1 > 469.9	1.21e4	1.10e4	1.080	1.0000	5.03	4.98	13.7	12.70	101.6
43	46 13C2-8:2 FTS	529.1 > 508.7	2.03e3	1.50e4	0.165	1.0000	5.00	4.95	1.68	10.22	81.7
44	47 d3-N-MeFOSAA	573.3 > 419	6.01e3	1.35e4	0.398	1.0000	5.20	5.13	5.55	13.96	111.7
45	48 d5-N-EtFOSAA	589.3 > 419	5.21e3	1.35e4	0.425	1.0000	5.30	5.29	4.81	11.32	90.6
46	49 13C2-PFUdA	565 > 519.8	1.24e4	1.35e4	1.047	1.0000	5.36	5.31	11.5	10.95	87.6
47	50 13C2-PFDoA	615.0 > 569.7	9.05e3	1.35e4	0.805	1.0000	5.65	5.59	8.35	10.37	83.0
48	51 d3-N-MeFOSA	515.2 > 168.9	1.73e4	1.35e4	0.104	1.0000	5.70	5.74	16.0	154.6	103.0
49	52 13C2-PFTeDA	714.8 > 669.6	4.31e3	1.35e4	0.367	1.0000	6.12	6.06	3.98	10.84	86.7
50	53 d5-N-ETFOSA	531.1 > 168.9	2.66e4	1.35e4	0.155	1.0000	6.25	6.15	24.6	158.9	106.0
51	54 13C2-PFHxDA	815 > 769.7	3.02e3	1.35e4	0.721	1.0000	6.46	6.41	2.79	3.868	77.4
52	55 d7-N-MeFOSE	623.1 > 58.9	2.22e4	1.35e4	0.143	1.0000	6.31	6.29	20.5	144.1	96.1
53	56 d9-N-EtFOSE	639.2 > 58.8	1.85e4	1.35e4	0.133	1.0000	6.12	6.44	17.1	128.7	85.8
54	57 13C4-PFBA	217. > 171.8	8.08e3	8.08e3	1.000	1.0000	1.30	1.29	12.5	12.50	100.0
55	58 13C5-PFHxA	318 > 272.9	1.50e4	1.50e4	1.000	1.0000	3.05	3.02	12.5	12.50	100.0
56	59 13C3-PFHxS	401.9 > 79.9	3.19e3	3.19e3	1.000	1.0000	3.80	3.79	12.5	12.50	100.0
57	60 13C8-PFOA	421.3 > 376	1.27e4	1.27e4	1.000	1.0000	4.20	4.16	12.5	12.50	100.0
58	61 13C9-PFNA	472.2 > 426.9	1.45e4	1.45e4	1.000	1.0000	4.65	4.61	12.5	12.50	100.0
59	62 13C4-PFOS	503 > 79.9	3.20e3	3.20e3	1.000	1.0000	4.60	4.69	12.5	12.50	100.0
60	63 13C6-PFDA	519.1 > 473.7	1.10e4	1.10e4	1.000	1.0000	5.03	4.98	12.5	12.50	100.0
61	64 13C7-PFUdA	570.1 > 524.8	1.35e4	1.35e4	1.000	1.0000	5.36	5.31	12.5	12.50	100.0
62	72 13C2-4:2 FTS	329.2>308.9	3.54e3	1.50e4	0.275	1.0000	2.93	2.93	2.95	10.72	85.7

Dataset: U:\Q4.PRO\results\180115M2\180115M2-26.qld

PFDoA
Ⓐ PFDS > 130%

CCV

Last Altered: Tuesday, January 16, 2018 10:44:16 Pacific Standard Time
Printed: Tuesday, January 16, 2018 10:44:51 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_011518.mdb 15 Jan 2018 11:38:30
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_01-15-18-FULL-OLD.cdb 16 Jan 2018 10:22:57

AC
1/16/18

JJA
01/16/2018

Name: 180115M2_26, Date: 16-Jan-2018, Time: 05:00:41, ID: ST180115M2-9 PFC CS3 17L2611, Description: PFC CS3 17L2611

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	1.36e4	1.21e4	1.0000		1.64	1.51	14.1	10.538	105.4
2	2 PFPeA	263.1 > 218.9	1.41e4	1.36e4	1.0000		2.60	2.47	13.0	11.239	112.4
3	3 PFBS	299.0 > 79.7	2.88e3	1.63e3	1.0000		2.87	2.74	22.1	11.505	115.0
4	4 PFHxA	313.2 > 268.9	1.64e4	4.24e3	1.0000		3.36	3.23	19.3	10.991	109.9
5	5 PFHpA	363.0 > 318.9	1.32e4	1.05e4	1.0000		4.00	3.85	15.7	10.511	105.1
6	6 L-PFHxS	398.9 > 79.6	2.36e3	1.18e3	1.0000		4.14	4.00	25.0	12.722	127.2
7	8 6:2 FTS	427.1 > 407	2.75e3	1.18e3	1.0000		4.46	4.31	29.1	10.162	101.6
8	9 L-PFOA	413 > 368.7	1.45e4	1.46e4	1.0000		4.50	4.37	12.5	10.804	108.0
9	11 PFHpS	449 > 80.0	3.63e3	1.46e4	1.0000		4.60	4.47	3.12	11.122	111.2
10	12 PFNA	463.0 > 418.8	1.65e4	1.18e4	1.0000		4.94	4.80	17.5	12.785	127.8
11	13 PFOSA	498.1 > 77.8	3.48e3	3.04e3	1.0000		5.00	4.86	14.3	11.905	119.0
12	14 L-PFOS	499 > 79.9	3.60e3	3.32e3	1.0000		5.02	4.88	13.6	12.148	121.5
13	16 PFDA	513 > 468.8	1.46e4	1.18e4	1.0000		5.31	5.17	15.5	10.744	107.4
14	17 8:2 FTS	527 > 506.9	2.71e3	1.18e4	1.0000		5.28	5.14	2.86	11.690	116.9
15	18 N-MeFOSAA	570.1 > 419	9.25e3	5.54e3	1.0000		5.45	5.32	20.9	12.719	127.2
16	19 N-EtFOSAA	584.2 > 419	6.27e3	5.85e3	1.0000		5.60	5.47	13.4	10.367	103.7
17	20 PFUDa	563.0 > 518.9	1.68e4	1.45e4	1.0000		5.62	5.49	14.4	11.421	114.2
18	21 PFDS	598.8 > 80	4.25e3	1.45e4	1.0000		5.67	5.53	3.65	10.812	108.1
19	22 PFDoA	612.9 > 569.0	1.65e4	1.04e4	1.0000		5.91	5.77	19.8	13.619	136.2
20	23 N-MeFOSA	512.1 > 168.9	9.60e3	2.38e4	1.0000		5.87	5.84	60.6	54.246	108.5
21	24 PFTrDA	662.9 > 618.9	2.08e4	1.04e4	1.0000		6.15	6.01	25.1	11.741	117.4
22	25 PFTeDA	712.9 > 668.8	1.53e4	5.64e3	1.0000		6.35	6.22	33.9	10.353	103.5
23	26 N-EtFOSA	526.1 > 168.9	1.30e4	3.45e4	1.0000		6.25	6.20	56.7	56.488	113.0
24	27 PFHxDA	813.1 > 768.6	6.51e3	3.41e3	1.0000		6.64	6.53	9.53	11.697	117.0
25	28 PFODA	913.1 > 868.8	7.22e3	3.41e3	1.0000		6.85	6.75	10.6	11.536	115.4
26	29 N-MeFOSE	616.1 > 58.9	1.38e4	3.32e4	1.0000		6.31	6.30	62.3	53.838	107.7
27	30 N-EtFOSE	630.1 > 58.9	1.67e4	3.42e4	1.0000		6.45	6.45	73.0	59.640	119.3
28	31 13C3-PFBA	216.1 > 171.8	1.21e4	1.55e4	1.0000	0.779	1.64	1.51	9.74	12.496	100.0
29	32 13C3-PFPeA	266. > 221.8	1.36e4	1.78e4	1.0000	0.797	2.60	2.47	9.56	11.993	95.9
30	33 13C3-PFBS	302. > 98.8	1.63e3	1.78e4	1.0000	0.095	2.87	2.74	1.15	12.066	96.5
31	34 13C2-PFHxA	315 > 269.8	4.24e3	1.78e4	1.0000	0.636	3.36	3.23	2.98	4.690	93.8

10-130

No samples affected

50-150

Dataset: U:\Q4.PRO\results\180115M2\180115M2-26.qld

Last Altered: Tuesday, January 16, 2018 10:44:16 Pacific Standard Time

Printed: Tuesday, January 16, 2018 10:44:51 Pacific Standard Time

Name: 180115M2_26, Date: 16-Jan-2018, Time: 05:00:41, ID: ST180115M2-9 PFC CS3 17L2611, Description: PFC CS3 17L2611

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35 13C4-PFHpA	367.2 > 321.8	1.05e4	1.78e4	1.0000	0.621	4.00	3.85	7.39	11.904	95.2
33	36 18O2-PFHxS	403.0 > 102.6	1.18e3	4.51e3	1.0000	0.336	4.14	4.00	3.27	9.742	77.9
34	37 13C2-6:2 FTS	429.1 > 408.9	3.09e3	1.33e4	1.0000	0.192	4.46	4.31	2.91	15.115	120.9
35	38 13C2-PFOA	414.9 > 369.7	1.46e4	1.33e4	1.0000	1.001	4.50	4.37	13.7	13.692	109.5
36	39 13C5-PFNA	468.2 > 422.9	1.18e4	1.40e4	1.0000	0.811	4.94	4.80	10.5	12.998	104.0
37	40 13C8-PFOA	506.1 > 77.7	3.04e3	1.63e4	1.0000	0.196	5.00	4.86	2.32	11.824	94.6
38	41 13C8-PFOS	507.0 > 79.9	3.32e3	3.96e3	1.0000	0.862	5.02	4.87	10.5	12.188	97.5
39	42 13C2-PFDA	515.1 > 469.9	1.18e4	1.08e4	1.0000	0.996	5.31	5.17	13.6	13.690	109.5
40	43 13C2-8:2 FTS	529.1 > 508.7	1.70e3	1.78e4	1.0000	0.103	5.28	5.14	1.20	11.640	93.1
41	44 d3-N-MeFOSAA	573.3 > 419	5.54e3	1.63e4	1.0000	0.340	5.45	5.31	4.24	12.466	99.7
42	45 d5-N-EiFOSAA	589.3 > 419	5.85e3	1.63e4	1.0000	0.377	5.60	5.47	4.48	11.877	95.0
43	46 13C2-PFUdA	565 > 519.8	1.45e4	1.63e4	1.0000	0.944	5.62	5.49	11.1	11.780	94.2
44	47 13C2-PFDoA	615.0 > 569.7	1.04e4	1.63e4	1.0000	0.726	5.91	5.77	7.93	10.916	87.3
45	48 d3-N-MeFOSA	515.2 > 168.9	2.38e4	1.63e4	1.0000	0.119	5.87	5.86	18.2	152.924	101.9
46	49 13C2-PFTeDA	714.8 > 669.6	5.64e3	1.63e4	1.0000	0.371	6.35	6.22	4.31	11.607	92.9
47	50 d5-N-ETFOSA	531.1 > 168.9	3.45e4	1.63e4	1.0000	0.174	6.25	6.21	26.4	152.100	101.4
48	51 13C2-PFHxDA	815 > 769.7	3.41e3	1.63e4	1.0000	0.559	6.64	6.53	2.61	4.667	93.3
49	52 d7-N-MeFOSE	623.1 > 58.9	3.32e4	1.63e4	1.0000	0.179	6.31	6.29	25.4	141.415	94.3
50	53 d9-N-EiFOSE	639.2 > 58.8	3.42e4	1.63e4	1.0000	0.160	6.45	6.44	26.2	163.978	109.3
51	54 13C4-PFBA	217. > 171.8	1.55e4	1.55e4	1.0000	1.000	1.64	1.51	12.5	12.500	100.0
52	55 13C5-PFHxA	318 > 272.9	1.78e4	1.78e4	1.0000	1.000	3.36	3.24	12.5	12.500	100.0
53	56 13C3-PFHxS	401.9 > 79.9	4.51e3	4.51e3	1.0000	1.000	4.14	4.00	12.5	12.500	100.0
54	57 13C8-PFOA	421.3 > 376	1.33e4	1.33e4	1.0000	1.000	4.50	4.36	12.5	12.500	100.0
55	58 13C9-PFNA	472.2 > 426.9	1.40e4	1.40e4	1.0000	1.000	4.94	4.80	12.5	12.500	100.0
56	59 13C4-PFOS	503 > 79.9	3.96e3	3.96e3	1.0000	1.000	5.02	4.87	12.5	12.500	100.0
57	60 13C6-PFDA	519.1 > 473.7	1.08e4	1.08e4	1.0000	1.000	5.31	5.17	12.5	12.500	100.0
58	61 13C7-PFUdA	570.1 > 524.8	1.63e4	1.63e4	1.0000	1.000	5.62	5.49	12.5	12.500	100.0

50-150
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Dataset: U:\Q4.PRO\results\180115M2\180115M2-43.qld

Last Altered: Tuesday, January 16, 2018 14:39:26 Pacific Standard Time

Printed: Tuesday, January 16, 2018 14:39:34 Pacific Standard Time

Ⓐ PFDDA, PFTTrDA > 130%

AC 1/16/18

Y.A. 01/16/2018

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_011518.mdb 15 Jan 2018 11:38:30

Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_01-15-18-FULL-OLD.cdb 16 Jan 2018 10:22:57

Name: 180115M2_43, Date: 16-Jan-2018, Time: 08:15:26, ID: ST180115M2-10 PFC CS3 17L2611, Description: PFC CS3 17L2611

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	1.44e4	1.27e4	1.0000		1.64	1.50	14.2	10.640	106.4
2	2 PFPeA	263.1 > 218.9	1.51e4	1.54e4	1.0000		2.60	2.46	12.3	10.692	106.9
3	3 PFBS	299.0 > 79.7	3.18e3	1.70e3	1.0000		2.87	2.73	23.4	12.181	121.8
4	4 PFHxA	313.2 > 268.9	1.75e4	4.70e3	1.0000		3.36	3.23	18.6	10.593	105.9
5	5 PFHpA	363.0 > 318.9	1.39e4	1.13e4	1.0000		4.00	3.84	15.5	10.378	103.8
6	6 L-PFHxS	398.9 > 79.6	2.36e3	1.31e3	1.0000		4.14	3.99	22.6	11.417	114.2
7	8 6:2 FTS	427.1 > 407	3.19e3	1.31e3	1.0000		4.46	4.31	30.5	10.659	106.6
8	9 L-PFOA	413 > 368.7	1.68e4	1.43e4	1.0000		4.50	4.36	14.7	12.780	127.8
9	11 PFHpS	449 > 80.0	4.06e3	1.43e4	1.0000		4.60	4.46	3.54	12.717	127.2
10	12 PFNA	463.0 > 418.8	1.51e4	1.42e4	1.0000		4.94	4.79	13.3	9.738	97.4
11	13 PFOSA	498.1 > 77.8	3.51e3	3.08e3	1.0000		5.00	4.85	14.2	11.839	118.4
12	14 L-PFOS	499 > 79.9	4.02e3	3.92e3	1.0000		5.02	4.86	12.8	11.506	115.1
13	16 PFDA	513 > 468.8	1.92e4	1.33e4	1.0000		5.31	5.16	18.0	12.485	124.9
14	17 8:2 FTS	527 > 506.9	3.34e3	1.33e4	1.0000		5.28	5.12	3.14	12.973	129.7
15	18 N-MeFOSAA	570.1 > 419	8.87e3	6.29e3	1.0000		5.45	5.31	17.6	10.693	106.9
16	19 N-EtFOSAA	584.2 > 419	7.62e3	7.12e3	1.0000		5.60	5.46	13.4	10.364	103.6
17	20 PFUdA	563.0 > 518.9	1.59e4	1.34e4	1.0000		5.62	5.47	14.9	11.776	117.8
18	21 PFDS	598.8 > 80	4.41e3	1.34e4	1.0000		5.67	5.52	4.12	12.236	122.4
19	22 PFDaA	612.9 > 569.0	1.61e4	9.41e3	1.0000		5.91	5.76	21.4	14.664	146.6
20	23 N-MeFOSA	512.1 > 168.9	1.01e4	2.57e4	1.0000		5.87	5.84	59.2	52.995	106.0
21	24 PFTTrDA	662.9 > 618.9	2.42e4	9.41e3	1.0000		6.15	6.00	32.2	15.049	150.5
22	25 PFTeDA	712.9 > 668.8	1.31e4	5.42e3	1.0000		6.35	6.20	30.2	9.167	91.7
23	26 N-EtFOSA	526.1 > 168.9	1.35e4	3.68e4	1.0000		6.25	6.20	55.2	55.005	110.0
24	27 PFHxDA	813.1 > 768.6	6.45e3	3.45e3	1.0000		6.64	6.52	9.35	11.465	114.6
25	28 PFODA	913.1 > 868.8	6.89e3	3.45e3	1.0000		6.85	6.74	9.98	10.877	108.8
26	29 N-MeFOSE	616.1 > 58.9	1.33e4	3.74e4	1.0000		6.31	6.30	53.6	46.224	92.4
27	30 N-EtFOSE	630.1 > 58.9	1.91e4	3.82e4	1.0000		6.45	6.45	74.8	61.057	122.1
28	31 13C3-PFBA	216.1 > 171.8	1.27e4	1.64e4	1.0000	0.779	1.64	1.49	9.68	12.428	99.4
29	32 13C3-PFPeA	266. > 221.8	1.54e4	1.94e4	1.0000	0.797	2.60	2.46	9.91	12.435	99.5
30	33 13C3-PFBS	302. > 98.8	1.70e3	1.94e4	1.0000	0.095	2.87	2.72	1.09	11.516	92.1
31	34 13C2-PFHxA	315 > 269.8	4.70e3	1.94e4	1.0000	0.636	3.36	3.23	3.03	4.760	95.2

70-130

50-130

Dataset: U:\Q4.PRO\results\180115M2\180115M2-43.qld

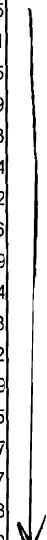
Last Altered: Tuesday, January 16, 2018 14:39:26 Pacific Standard Time

Printed: Tuesday, January 16, 2018 14:39:34 Pacific Standard Time

Name: 180115M2_43, Date: 16-Jan-2018, Time: 08:15:26, ID: ST180115M2-10 PFC CS3 17L2611, Description: PFC CS3 17L2611

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35 13C4-PFHpA	367.2 > 321.8	1.13e4	1.94e4	1.0000	0.621	4.00	3.84	7.26	11.698	93.6
33	36 18O2-PFHxS	403.0 > 102.6	1.31e3	4.50e3	1.0000	0.336	4.14	3.99	3.63	10.814	86.5
34	37 13C2-6.2 FTS	429.1 > 408.9	2.97e3	1.50e4	1.0000	0.192	4.46	4.30	2.48	12.885	103.1
35	38 13C2-PFOA	414.9 > 369.7	1.43e4	1.50e4	1.0000	1.001	4.50	4.36	12.0	11.940	95.5
36	39 13C5-PFNA	468.2 > 422.9	1.42e4	1.69e4	1.0000	0.811	4.94	4.79	10.5	12.993	103.9
37	40 13C8-PFOA	506.1 > 77.7	3.08e3	1.60e4	1.0000	0.196	5.00	4.85	2.41	12.288	98.3
38	41 13C8-PFOS	507.0 > 79.9	3.92e3	3.84e3	1.0000	0.862	5.02	4.86	12.8	14.802	118.4
39	42 13C2-PFDA	515.1 > 469.9	1.33e4	1.14e4	1.0000	0.996	5.31	5.16	14.6	14.646	117.2
40	43 13C2-8:2 FTS	529.1 > 508.7	2.03e3	1.94e4	1.0000	0.103	5.28	5.12	1.31	12.697	101.6
41	44 d3-N-MeFOSAA	573.3 > 419	6.29e3	1.60e4	1.0000	0.340	5.45	5.30	4.93	14.490	115.9
42	45 d5-N-EtFOSAA	589.3 > 419	7.12e3	1.60e4	1.0000	0.377	5.60	5.45	5.58	14.803	118.4
43	46 13C2-PFUdA	565 > 519.8	1.34e4	1.60e4	1.0000	0.944	5.62	5.47	10.5	11.106	88.8
44	47 13C2-PFDoA	615.0 > 569.7	9.41e3	1.60e4	1.0000	0.726	5.91	5.76	7.37	10.153	81.2
45	48 d3-N-MeFOSA	515.2 > 168.9	2.57e4	1.60e4	1.0000	0.119	5.87	5.86	20.1	169.324	112.9
46	49 13C2-PFTEdA	714.8 > 669.6	5.42e3	1.60e4	1.0000	0.371	6.35	6.20	4.25	11.434	91.5
47	50 d5-N-ETFOSA	531.1 > 168.9	3.68e4	1.60e4	1.0000	0.174	6.25	6.21	28.8	166.114	110.7
48	51 13C2-PFHxDA	815 > 769.7	3.45e3	1.60e4	1.0000	0.559	6.64	6.52	2.70	4.835	96.7
49	52 d7-N-MeFOSE	623.1 > 58.9	3.74e4	1.60e4	1.0000	0.179	6.31	6.29	29.3	163.157	108.8
50	53 d9-N-EtFOSE	639.2 > 58.8	3.82e4	1.60e4	1.0000	0.160	6.45	6.44	29.9	187.541	125.0
51	54 13C4-PFBA	217. > 171.8	1.64e4	1.64e4	1.0000	1.000	1.64	1.49	12.5	12.500	100.0
52	55 13C5-PFHxA	318 > 272.9	1.94e4	1.94e4	1.0000	1.000	3.36	3.22	12.5	12.500	100.0
53	56 13C3-PFHxS	401.9 > 79.9	4.50e3	4.50e3	1.0000	1.000	4.14	3.99	12.5	12.500	100.0
54	57 13C8-PFOA	421.3 > 376	1.50e4	1.50e4	1.0000	1.000	4.50	4.36	12.5	12.500	100.0
55	58 13C9-PFNA	472.2 > 426.9	1.69e4	1.69e4	1.0000	1.000	4.94	4.78	12.5	12.500	100.0
56	59 13C4-PFOS	503 > 79.9	3.84e3	3.84e3	1.0000	1.000	5.02	4.86	12.5	12.500	100.0
57	60 13C6-PFDA	519.1 > 473.7	1.14e4	1.14e4	1.0000	1.000	5.31	5.16	12.5	12.500	100.0
58	61 13C7-PFUdA	570.1 > 524.8	1.60e4	1.60e4	1.0000	1.000	5.62	5.47	12.5	12.500	100.0

50-150



Ⓐ 8:2 FTS, PFDOA 7:130%

Dataset: U:\Q4.PRO\results\180115M2\180115M2-60.qld

Last Altered: Tuesday, January 16, 2018 12:14:33 Pacific Standard Time
 Printed: Tuesday, January 16, 2018 12:14:40 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_011518.mdb 15 Jan 2018 11:38:30
 Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_01-15-18-FULL-OLD.cdb 16 Jan 2018 10:22:57

Name: 180115M2_60, Date: 16-Jan-2018, Time: 11:37:05, ID: ST180115M2-11 PFC CS0 17L2608, Description: PFC CS0 17L2608

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 1/16/18
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 01/16/2018

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	1.37e3	1.38e4	1.0000		1.64	1.50	1.24	0.954	95.4
2	2 PFPeA	263.1 > 218.9	1.38e3	1.56e4	1.0000		2.60	2.45	1.11	0.988	98.8
3	3 PFBS	299.0 > 79.7	2.92e2	1.88e3	1.0000		2.87	2.72	1.94	0.904	90.4
4	4 PFHxA	313.2 > 268.9	1.71e3	5.41e3	1.0000		3.36	3.22	1.58	0.893	89.3
5	5 PFHpA	363.0 > 318.9	1.42e3	1.21e4	1.0000		4.00	3.83	1.47	1.022	102.2
6	6 L-PFHxS	398.9 > 79.6	2.31e2	1.41e3	1.0000		4.14	3.97	2.05	0.958	95.8
7	8 6:2 FTS	427.1 > 407	2.64e2	1.41e3	1.0000		4.46	4.29	2.34	0.842	84.2
8	9 L-PFOA	413 > 368.7	1.86e3	1.75e4	1.0000		4.35	4.35	1.33	0.867	86.7
9	11 PFHpS	449 > 80.0	3.56e2	1.75e4	1.0000		4.60	4.45	0.254	0.956	95.6
10	12 PFNA	463.0 > 418.8	1.69e3	1.48e4	1.0000		4.94	4.77	1.43	1.076	107.6
11	13 PFOSA	498.1 > 77.8	3.50e2	3.25e3	1.0000		5.00	4.84	1.35	1.137	113.7
12	14 L-PFOS	499 > 79.9	3.42e2	4.08e3	1.0000		5.02	4.85	1.05	0.984	98.4
13	16 PFDA	513 > 468.8	1.58e3	1.26e4	1.0000		5.31	5.14	1.57	1.087	108.7
14	17 8:2 FTS	527 > 506.9	3.37e2	1.26e4	1.0000		5.28	5.11	0.334	1.379	137.9
15	18 N-MeFOSAA	570.1 > 419	8.53e2	5.94e3	1.0000		5.45	5.29	1.80	1.070	107.0
16	19 N-EtFOSAA	584.2 > 419	6.51e2	7.22e3	1.0000		5.60	5.44	1.13	0.914	91.4
17	20 PFUDa	563.0 > 518.9	1.42e3	1.76e4	1.0000		5.62	5.46	1.01	0.923	92.3
18	21 PFDS	598.8 > 80	4.79e2	1.76e4	1.0000		5.67	5.50	0.340	1.111	111.1
19	22 PFDoA	612.9 > 569.0	1.74e3	8.83e3	1.0000		5.91	5.74	2.47	1.550	155.0
20	23 N-MeFOSA	512.1 > 168.9	8.15e2	2.57e4	1.0000		5.87	5.84	4.76	4.351	87.0
21	24 PFTrDA	662.9 > 618.9	1.77e3	8.83e3	1.0000		6.15	5.98	2.51	1.143	114.3
22	25 PFTeDA	712.9 > 668.8	1.21e3	5.55e3	1.0000		6.35	6.19	2.74	0.870	87.0
23	26 N-EtFOSA	526.1 > 168.9	1.16e3	3.67e4	1.0000		6.25	6.19	4.73	4.867	97.3
24	27 PFHxDA	813.1 > 768.6	6.55e2	3.60e3	1.0000		6.64	6.51	0.909	0.972	97.2
25	28 PFODA	913.1 > 868.8	7.62e2	3.60e3	1.0000		6.85	6.73	1.06	1.123	112.3
26	29 N-MeFOSE	616.1 > 58.9	1.28e3	4.18e4	1.0000		6.31	6.29	4.60	4.392	87.8
27	30 N-EtFOSE	630.1 > 58.9	1.53e3	3.31e4	1.0000		6.45	6.44	6.91	5.633	112.7
28	31 13C3-PFBA	216.1 > 171.8	1.38e4	1.74e4	1.0000	0.779	1.64	1.49	9.94	12.755	102.0
29	32 13C3-PFPeA	266. > 221.8	1.56e4	1.96e4	1.0000	0.797	2.60	2.45	9.94	12.475	99.8
30	33 13C3-PFBS	302. > 98.8	1.88e3	1.96e4	1.0000	0.095	2.87	2.72	1.20	12.638	101.1
31	34 13C2-PFHxA	315 > 269.8	5.41e3	1.96e4	1.0000	0.636	3.36	3.22	3.45	5.417	108.3

70-130

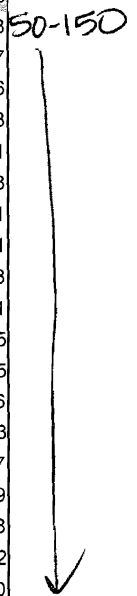
50-150

Dataset: U:\Q4.PRO\results\180115M2\180115M2-60.qld

Last Altered: Tuesday, January 16, 2018 12:14:33 Pacific Standard Time
 Printed: Tuesday, January 16, 2018 12:14:40 Pacific Standard Time

Name: 180115M2_60, Date: 16-Jan-2018, Time: 11:37:05, ID: ST180115M2-11 PFC CS0 17L2608, Description: PFC CS0 17L2608

#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35 13C4-PFHpA	367.2 > 321.8	1.21e4	1.96e4	1.0000	0.621	4.00	3.83	7.71	12.413	99.3
33	36 18O2-PFHxS	403.0 > 102.6	1.41e3	4.84e3	1.0000	0.336	4.14	3.98	3.64	10.843	86.7
34	37 13C2-6:2 FTS	429.1 > 408.9	3.49e3	1.80e4	1.0000	0.192	4.46	4.29	2.42	12.569	100.6
35	38 13C2-PFOA	414.9 > 369.7	1.75e4	1.80e4	1.0000	1.001	4.50	4.35	12.1	12.106	96.8
36	39 13C5-PFNA	468.2 > 422.9	1.48e4	1.79e4	1.0000	0.811	4.94	4.77	10.4	12.767	102.1
37	40 13C8-PFOA	506.1 > 77.7	3.25e3	1.63e4	1.0000	0.196	5.00	4.84	2.49	12.667	101.3
38	41 13C8-PFOS	507.0 > 79.9	4.08e3	5.14e3	1.0000	0.862	5.02	4.85	9.92	11.516	92.1
39	42 13C2-PFDA	515.1 > 469.9	1.26e4	1.18e4	1.0000	0.996	5.31	5.14	13.3	13.385	107.1
40	43 13C2-8:2 FTS	529.1 > 508.7	1.56e3	1.96e4	1.0000	0.103	5.28	5.11	0.995	9.660	77.3
41	44 d3-N-MeFOSAA	573.3 > 419	5.94e3	1.63e4	1.0000	0.340	5.45	5.28	4.55	13.387	107.1
42	45 d5-N-EiFOSAA	589.3 > 419	7.22e3	1.63e4	1.0000	0.377	5.60	5.44	5.53	14.682	117.5
43	46 13C2-PFUdA	565 > 519.8	1.76e4	1.63e4	1.0000	0.944	5.62	5.46	13.5	14.313	114.5
44	47 13C2-PFDoA	615.0 > 569.7	8.83e3	1.63e4	1.0000	0.726	5.91	5.74	6.77	9.323	74.6
45	48 d3-N-MeFOSA	515.2 > 168.9	2.57e4	1.63e4	1.0000	0.119	5.87	5.85	19.7	165.400	110.3
46	49 13C2-PFTeDA	714.8 > 669.6	5.55e3	1.63e4	1.0000	0.371	6.35	6.19	4.25	11.458	91.7
47	50 d5-N-ETFOSA	531.1 > 168.9	3.67e4	1.63e4	1.0000	0.174	6.25	6.21	28.1	161.901	107.9
48	51 13C2-PFHxDA	815 > 769.7	3.60e3	1.63e4	1.0000	0.559	6.64	6.51	2.76	4.939	98.8
49	52 d7-N-MeFOSE	623.1 > 58.9	4.18e4	1.63e4	1.0000	0.179	6.31	6.28	32.1	178.796	119.2
50	53 d9-N-EiFOSE	639.2 > 58.8	3.31e4	1.63e4	1.0000	0.160	6.45	6.43	25.4	158.989	106.0
51	54 13C4-PFBA	217. > 171.8	1.74e4	1.74e4	1.0000	1.000	1.64	1.49	12.5	12.500	100.0
52	55 13C5-PFHxA	318 > 272.9	1.96e4	1.96e4	1.0000	1.000	3.36	3.22	12.5	12.500	100.0
53	56 13C3-PFHxS	401.9 > 79.9	4.84e3	4.84e3	1.0000	1.000	4.14	3.98	12.5	12.500	100.0
54	57 13C8-PFOA	421.3 > 376	1.80e4	1.80e4	1.0000	1.000	4.50	4.34	12.5	12.500	100.0
55	58 13C9-PFNA	472.2 > 426.9	1.79e4	1.79e4	1.0000	1.000	4.94	4.77	12.5	12.500	100.0
56	59 13C4-PFOS	503 > 79.9	5.14e3	5.14e3	1.0000	1.000	5.02	4.85	12.5	12.500	100.0
57	60 13C6-PFDA	519.1 > 473.7	1.18e4	1.18e4	1.0000	1.000	5.31	5.14	12.5	12.500	100.0
58	61 13C7-PFUdA	570.1 > 524.8	1.63e4	1.63e4	1.0000	1.000	5.62	5.46	12.5	12.500	100.0

50-150


Dataset: U:\Q4.PRO\results\180115M2\180115M2-88.qld

Last Altered: Wednesday, January 17, 2018 09:19:11 Pacific Standard Time
 Printed: Wednesday, January 17, 2018 09:19:31 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_011518.mdb 16 Jan 2018 16:25:31
 Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_01-15-18-FULL-OLD.cdb 16 Jan 2018 10:22:57

P/16/18
✓ JPA
01/17/2018

Name: 180115M2_88, Date: 16-Jan-2018, Time: 17:18:06, ID: ST180115M2-13 PFC CS3 17L2611, Description: PFC CS3 17L2611

#	Name	Trace	Area	IS Area	RRF	Pred RT	RT	y Axis Resp	Conc.	%Rec	Recovery	Out
1	1 PFBA	213.0 > 168.8	1.31e4	1.14e4		1.64	1.44	14.3	10.7	106.8	NO	10/30
2	2 PFPeA	263.1 > 218.9	1.34e4	1.39e4		2.46	2.40	12.1	10.5	104.9	NO	
3	3 PFBS	299.0 > 79.7	3.07e3	1.69e3		2.87	2.68	22.7	11.8	118.2	NO	
4	4 PFHxA	313.2 > 268.9	1.57e4	4.38e3		3.36	3.17	17.9	10.2	101.8	NO	
5	5 PFHpA	363.0 > 318.9	1.31e4	1.08e4		4.00	3.79	15.3	10.2	102.4	NO	
6	6 L-PFHxS	398.9 > 79.6	2.27e3	1.24e3		3.94	3.94	22.9	11.6	115.9	NO	
7	8 6:2 FTS	427.1 > 407	2.91e3	1.24e3		4.46	4.25	29.3	10.2	102.3	NO	
8	9 L-PFOA	413 > 368.7	1.25e4	1.24e4		4.34	4.31	12.6	10.9	109.5	NO	
9	11 PFHpS	449 > 80.0	3.19e3	1.24e4		4.60	4.42	3.21	11.5	114.6	NO	
10	12 PFNA	463.0 > 418.8	1.29e4	1.22e4		4.94	4.74	13.1	9.64	96.4	NO	
11	13 PFOSA	498.1 > 77.8	3.42e3	3.38e3		5.00	4.80	12.6	10.5	105.1	NO	
12	14 L-PFOS	499 > 79.9	3.47e3	3.29e3		5.02	4.82	13.2	11.8	118.1	NO	
13	16 PFDA	513 > 468.8	1.57e4	1.21e4		5.31	5.11	16.3	11.3	112.9	NO	
14	17 8:2 FTS	527 > 506.9	2.08e3	1.21e4		5.28	5.08	2.15	8.53	85.3	NO	
15	18 N-MeFOSAA	570.1 > 419	8.56e3	5.04e3		5.45	5.26	21.2	13.0	129.6	NO	
16	19 N-EtFOSAA	584.2 > 419	7.42e3	6.45e3		5.60	5.42	14.4	11.1	111.4	NO	
17	20 PFUdA	563.0 > 518.9	1.58e4	1.30e4		5.62	5.43	15.2	12.0	120.3	NO	
18	21 PFDS	598.8 > 80	3.75e3	1.30e4		5.67	5.48	3.62	10.7	107.0	NO	
19	22 PFDoA	612.9 > 569.0	1.48e4	6.67e3		5.91	5.71	27.7	18.9	189.2	YES	
20	23 N-MeFOSA	512.1 > 168.9	1.04e4	2.53e4		5.87	5.80	61.7	55.3	110.5	NO	
21	24 PFTrDA	662.9 > 618.9	1.77e4	6.67e3		6.15	5.96	33.1	15.5	154.9	YES	
22	25 PFTeDA	12.9 > 668.8	7.69e3	4.55e3		6.35	6.17	21.1	6.33	63.3	YES	
23	26 N-EtFOSA	526.1 > 168.9	1.32e4	3.68e4		6.25	6.17	53.6	53.4	106.9	NO	
24	27 PFHxDA	813.1 > 768.6	5.34e3	2.67e3		6.64	6.49	10.0	12.3	122.9	NO	
25	28 PFODA	913.1 > 868.8	6.17e3	2.67e3		6.85	6.72	11.6	12.6	126.4	NO	
26	29 N-MeFOSE	616.1 > 58.9	1.64e4	3.73e4		6.31	6.30	65.9	57.0	114.0	NO	
27	30 N-EtFOSE	630.1 > 58.9	1.52e4	3.87e4		6.45	6.45	58.7	48.4	96.8	NO	
28	31 13C3-PFBA	216.1 > 171.8	1.14e4	1.53e4	0.779	1.64	1.44	9.32	12.0	95.7	NO	
29	32 13C3-PFPeA	266. > 221.8	1.39e4	1.68e4	0.797	2.60	2.40	10.4	13.0	104.0	NO	
30	33 13C3-PFBS	302. > 98.8	1.69e3	1.68e4	0.095	2.87	2.68	1.26	13.2	105.9	NO	
31	34 13C2-PFHxA	315 > 269.8	4.38e3	1.68e4	0.636	3.36	3.17	3.26	5.12	102.5	NO	

No sample results reported

50/50

Dataset: U:\Q4.PRO\results\180115M2\180115M2-88.qld

Last Altered: Wednesday, January 17, 2018 09:19:11 Pacific Standard Time
Printed: Wednesday, January 17, 2018 09:19:31 Pacific Standard Time

Name: 180115M2_88, Date: 16-Jan-2018, Time: 17:18:06, ID: ST180115M2-13 PFC CS3 17L2611, Description: PFC CS3 17L2611

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
32	35 13C4-PFHpA	367.2 > 321.8	1.08e4	1.68e4	0.621	4.00	3.79	8.01	12.9	103.3	NO
33	36 18O2-PFHxS	403.0 > 102.6	1.24e3	3.90e3	0.336	4.14	3.94	3.97	11.8	94.6	NO
34	37 13C2-6:2 FTS	429.1 > 408.9	2.43e3	1.46e4	0.192	4.46	4.25	2.08	10.8	86.3	NO
35	38 13C2-PFOA	414.9 > 369.7	1.24e4	1.46e4	1.001	4.50	4.31	10.6	10.6	84.8	NO
36	39 13C5-PFNA	468.2 > 422.9	1.22e4	1.43e4	0.811	4.94	4.74	10.7	13.2	105.7	NO
37	40 13C8-PFOSA	506.1 > 77.7	3.38e3	1.35e4	0.196	5.00	4.80	3.13	15.9	127.3	NO
38	41 13C8-PFOS	507.0 > 79.9	3.29e3	3.94e3	0.862	5.02	4.82	10.4	12.1	96.8	NO
39	42 13C2-PFDA	515.1 > 469.9	1.21e4	9.31e3	0.996	5.31	5.11	16.2	16.3	130.1	NO
40	43 13C2-8:2 FTS	529.1 > 508.7	1.10e3	1.68e4	0.103	5.28	5.08	0.818	7.94	63.5	NO
41	44 d3-N-MeFOSAA	573.3 > 419	5.04e3	1.35e4	0.340	5.45	5.26	4.66	13.7	109.6	NO
42	45 d5-N-EtFOSAA	589.3 > 419	6.45e3	1.35e4	0.377	5.60	5.41	5.96	15.8	126.6	NO
43	46 13C2-PFUdA	565 > 519.8	1.30e4	1.35e4	0.944	5.62	5.43	12.0	12.7	101.7	NO
44	47 13C2-PFDoA	615.0 > 569.7	6.67e3	1.35e4	0.726	5.91	5.71	6.17	8.50	68.0	NO
45	48 d3-N-MeFOSA	515.2 > 168.9	2.53e4	1.35e4	0.119	5.87	5.82	23.4	197	131.2	NO
46	49 13C2-PFTeDA	714.8 > 669.6	4.55e3	1.35e4	0.371	6.35	6.17	4.21	11.3	90.6	NO
47	50 d5-N-ETFOSA	531.1 > 168.9	3.68e4	1.35e4	0.174	6.25	6.19	34.1	196	130.8	NO
48	51 13C2-PFHxDA	815 > 769.7	2.67e3	1.35e4	0.559	6.64	6.49	2.47	4.41	88.3	NO
49	52 d7-N-MeFOSE	623.1 > 58.9	3.73e4	1.35e4	0.179	6.31	6.29	34.5	192	128.3	NO
50	53 d9-N-EtFOSE	639.2 > 58.8	3.87e4	1.35e4	0.160	6.45	6.44	35.8	224	149.5	NO
51	54 13C4-PFBA	217. > 171.8	1.53e4	1.53e4	1.000	1.64	1.43	12.5	12.5	100.0	NO
52	55 13C5-PFHxA	318 > 272.9	1.68e4	1.68e4	1.000	3.36	3.17	12.5	12.5	100.0	NO
53	56 13C3-PFHxS	401.9 > 79.9	3.90e3	3.90e3	1.000	4.14	3.94	12.5	12.5	100.0	NO
54	57 13C8-PFOA	421.3 > 376	1.46e4	1.46e4	1.000	4.50	4.31	12.5	12.5	100.0	NO
55	58 13C9-PFNA	472.2 > 426.9	1.43e4	1.43e4	1.000	4.94	4.74	12.5	12.5	100.0	NO
56	59 13C4-PFOS	503 > 79.9	3.94e3	3.94e3	1.000	5.02	4.82	12.5	12.5	100.0	NO
57	60 13C6-PFDA	519.1 > 473.7	9.31e3	9.31e3	1.000	5.31	5.11	12.5	12.5	100.0	NO
58	61 13C7-PFUdA	570.1 > 524.8	1.35e4	1.35e4	1.000	5.62	5.43	12.5	12.5	100.0	NO

50/50
↓

Dataset: U:\Q4.PRO\results\180115M2\180115M2-105.qld

Last Altered: Wednesday, January 17, 2018 09:20:16 Pacific Standard Time
Printed: Wednesday, January 17, 2018 09:20:31 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_011518.mdb 16 Jan 2018 21:06:29
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_01-15-18-FULL-OLD.cdb 16 Jan 2018 10:22:57

CP/16/18
JA
01/17/2018

Name: 180115M2_105, Date: 16-Jan-2018, Time: 20:32:42, ID: ST180115M2-14 PFC CS0 17L2608, Description: PFC CS0 17L2608

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
1	1 PFBA	213.0 > 168.8	1.49e3	1.41e4		1.64	1.44	1.32	1.01	101.2	NO
2	2 PFPeA	263.1 > 218.9	1.49e3	1.58e4		2.46	2.40	1.17	1.05	104.5	NO
3	3 PFBS	299.0 > 79.7	3.32e2	2.08e3		2.87	2.67	1.99	0.935	93.5	NO
4	4 PFHxA	313.2 > 268.9	1.85e3	4.93e3		3.36	3.16	1.88	1.06	106.0	NO
5	5 PFHpA	363.0 > 318.9	1.29e3	1.25e4		4.00	3.78	1.29	0.901	90.1	NO
6	6 L-PFHxS	398.9 > 79.6	2.14e2	1.49e3		3.94	3.93	1.80	0.836	83.6	NO
7	8 6:2 FTS	427.1 > 407	3.45e2	1.49e3		4.46	4.24	2.89	1.03	103.2	NO
8	9 L-PFOA	413 > 368.7	1.78e3	1.78e4		4.34	4.30	1.25	0.803	80.3	NO
9	11 PFHpS	449 > 80.0	3.46e2	1.78e4		4.60	4.41	0.243	0.919	91.9	NO
10	12 PFNA	463.0 > 418.8	1.42e3	1.39e4		4.94	4.73	1.28	0.965	96.5	NO
11	13 PFOSA	498.1 > 77.8	4.30e2	3.84e3		5.00	4.79	1.40	1.18	117.9	NO
12	14 L-PFOS	499 > 79.9	4.07e2	4.24e3		5.02	4.81	1.20	1.12	112.0	NO
13	16 PFDA	513 > 468.8	1.46e3	1.15e4		5.31	5.10	1.59	1.10	110.2	NO
14	17 8:2 FTS	527 > 506.9	2.41e2	1.15e4		5.28	5.07	0.263	1.12	111.9	NO
15	18 N-MeFOSAA	570.1 > 419	1.04e3	6.68e3		5.45	5.25	1.94	1.16	115.7	NO
16	19 N-EtFOSAA	584.2 > 419	6.69e2	7.48e3		5.60	5.41	1.12	0.907	90.7	NO
17	20 PFUdA	563.0 > 518.9	1.59e3	1.50e4		5.62	5.43	1.33	1.16	116.2	NO
18	21 PFDS	598.8 > 80	3.87e2	1.50e4		5.67	5.47	0.323	1.06	106.3	NO
19	22 PFDoA	612.9 > 569.0	1.76e3	9.48e3		5.91	5.70	2.32	1.45	144.7	YES
20	23 N-MeFOSA	512.1 > 168.9	9.93e2	2.76e4		5.87	5.79	5.40	4.92	98.4	NO
21	24 PFTrDA	662.9 > 618.9	1.90e3	9.48e3		6.15	5.95	2.51	1.15	114.6	NO
22	25 PFTeDA	712.9 > 668.8	1.13e3	6.26e3		6.35	6.17	2.25	0.732	73.2	NO
23	26 N-EtFOSA	526.1 > 168.9	1.27e3	4.18e4		6.25	6.17	4.56	4.70	93.9	NO
24	27 PFHxDA	813.1 > 768.6	7.62e2	3.33e3		6.64	6.48	1.14	1.26	126.0	NO
25	28 PFODA	913.1 > 868.8	6.80e2	3.33e3		6.85	6.71	1.02	1.08	108.2	NO
26	29 N-MeFOSE	616.1 > 58.9	1.50e3	3.93e4		6.31	6.29	5.73	5.34	106.8	NO
27	30 N-EtFOSE	630.1 > 58.9	1.67e3	4.38e4		6.45	6.45	5.72	4.61	92.3	NO
28	31 13C3-PFBA	216.1 > 171.8	1.41e4	1.82e4	0.779	1.64	1.44	9.68	12.4	99.4	NO
29	32 13C3-PFPeA	266. > 221.8	1.58e4	1.90e4	0.797	2.60	2.40	10.4	13.0	104.3	NO
30	33 13C3-PFBS	302. > 98.8	2.08e3	1.90e4	0.095	2.87	2.67	1.37	14.4	115.2	NO
31	34 13C2-PFHxA	315 > 269.8	4.93e3	1.90e4	0.636	3.36	3.16	3.24	5.09	101.8	NO

70-130

50-150

Dataset: U:\Q4.PRO\results\180115M2\180115M2-105.qld

Last Altered: Wednesday, January 17, 2018 09:20:16 Pacific Standard Time
 Printed: Wednesday, January 17, 2018 09:20:31 Pacific Standard Time

Name: 180115M2_105, Date: 16-Jan-2018, Time: 20:32:42, ID: ST180115M2-14 PFC CS0 17L2608, Description: PFC CS0 17L2608

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery	Out
32	35 13C4-PFHpA	367.2 > 321.8	1.25e4	1.90e4	0.621	4.00	3.78	8.23	13.3	106.1	NO	
33	36 18O2-PFHxS	403.0 > 102.6	1.49e3	4.67e3	0.336	4.14	3.93	3.99	11.9	95.1	NO	
34	37 13C2-6:2 FTS	429.1 > 408.9	3.29e3	1.83e4	0.192	4.46	4.24	2.24	11.7	93.2	NO	
35	38 13C2-PFOA	414.9 > 369.7	1.78e4	1.83e4	1.001	4.50	4.30	12.1	12.1	97.0	NO	
36	39 13C5-PFNA	468.2 > 422.9	1.39e4	1.92e4	0.811	4.94	4.73	9.06	11.2	89.3	NO	
37	40 13C8-PFOSA	506.1 > 77.7	3.84e3	1.56e4	0.196	5.00	4.79	3.08	15.7	125.4	NO	
38	41 13C8-PFOS	507.0 > 79.9	4.24e3	4.58e3	0.862	5.02	4.81	11.6	13.4	107.5	NO	
39	42 13C2-PFDA	515.1 > 469.9	1.15e4	1.13e4	0.996	5.31	5.10	12.6	12.7	101.5	NO	
40	43 13C2-8:2 FTS	529.1 > 508.7	1.54e3	1.90e4	0.103	5.28	5.07	1.01	9.83	78.7	NO	
41	44 d3-N-MeFOSAA	573.3 > 419	6.68e3	1.56e4	0.340	5.45	5.25	5.36	15.8	126.0	NO	
42	45 d5-N-EtFOSAA	589.3 > 419	7.48e3	1.56e4	0.377	5.60	5.40	5.99	15.9	127.2	NO	
43	46 13C2-PFUdA	565 > 519.8	1.50e4	1.56e4	0.944	5.62	5.43	12.0	12.7	101.6	NO	
44	47 13C2-PFDoA	615.0 > 569.7	9.48e3	1.56e4	0.726	5.91	5.71	7.59	10.5	83.7	NO	
45	48 d3-N-MeFOSA	515.2 > 168.9	2.76e4	1.56e4	0.119	5.87	5.82	22.1	186	123.8	NO	
46	49 13C2-PFTeDA	714.8 > 669.6	6.26e3	1.56e4	0.371	6.35	6.17	5.01	13.5	108.0	NO	
47	50 d5-N-ETFOSA	531.1 > 168.9	4.18e4	1.56e4	0.174	6.25	6.18	33.5	193	128.8	NO	
48	51 13C2-PFHxDA	815 > 769.7	3.33e3	1.56e4	0.559	6.64	6.48	2.67	4.78	95.5	NO	
49	52 d7-N-MeFOSE	623.1 > 58.9	3.93e4	1.56e4	0.179	6.31	6.28	31.5	176	117.2	NO	
50	53 d9-N-EtFOSE	639.2 > 58.8	4.38e4	1.56e4	0.160	6.45	6.44	35.1	220	146.6	NO	
51	54 13C4-PFBA	217. > 171.8	1.82e4	1.82e4	1.000	1.64	1.44	12.5	12.5	100.0	NO	
52	55 13C5-PFHxA	318 > 272.9	1.90e4	1.90e4	1.000	3.36	3.16	12.5	12.5	100.0	NO	
53	56 13C3-PFHxS	401.9 > 79.9	4.67e3	4.67e3	1.000	4.14	3.93	12.5	12.5	100.0	NO	
54	57 13C8-PFOA	421.3 > 376	1.83e4	1.83e4	1.000	4.50	4.30	12.5	12.5	100.0	NO	
55	58 13C9-PFNA	472.2 > 426.9	1.92e4	1.92e4	1.000	4.94	4.73	12.5	12.5	100.0	NO	
56	59 13C4-PFOS	503 > 79.9	4.58e3	4.58e3	1.000	5.02	4.81	12.5	12.5	100.0	NO	
57	60 13C6-PFDA	519.1 > 473.7	1.13e4	1.13e4	1.000	5.31	5.10	12.5	12.5	100.0	NO	
58	61 13C7-PFUdA	570.1 > 524.8	1.56e4	1.56e4	1.000	5.62	5.42	12.5	12.5	100.0	NO	

52-150

Dataset: U:\Q4.PRO\results\180115M2\180115M2-117.qld

Last Altered: Wednesday, January 17, 2018 09:25:05 Pacific Standard Time
Printed: Wednesday, January 17, 2018 09:25:33 Pacific Standard Time

Method: U:\Q4.pro\MethDB\PFAS_FULL_80C_011518.mdb 16 Jan 2018 21:06:29
Calibration: U:\Q4.pro\CurveDB\C18_VAL-PFAS_Q4_01-15-18-FULL-OLD.cdb 16 Jan 2018 10:22:57

Name: 180115M2_117, Date: 16-Jan-2018, Time: 22:50:04, ID: ST180115M2-15 PFC CS3 17L2611, Description: PFC CS3 17L2611

CP 1/16/18
v YA 01/17/2018

#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Recovery Out
1	1 PFBA	213.0 > 168.8	1.55e4	1.41e4		1.64	1.44	13.8	10.3	103.4	NO
2	2 PFPeA	263.1 > 218.9	1.58e4	1.56e4		2.46	2.40	12.7	11.0	109.9	NO
3	3 PFBS	299.0 > 79.7	3.53e3	1.99e3		2.87	2.67	22.2	11.5	115.5	NO
4	4 PFHxA	313.2 > 268.9	1.82e4	4.73e3		3.36	3.16	19.2	10.9	109.4	NO
5	5 PFHpA	363.0 > 318.9	1.48e4	1.17e4		4.00	3.78	15.8	10.6	105.8	NO
6	6 L-PFHxS	398.9 > 79.6	2.43e3	1.50e3		3.94	3.93	20.2	10.1	101.2	NO
7	8 6:2 FTS	427.1 > 407	3.05e3	1.50e3		4.46	4.24	25.4	8.84	88.4	NO
8	9 L-PFOA	413 > 368.7	1.66e4	1.72e4		4.34	4.30	12.0	10.4	104.2	NO
9	11 PFHpS	449 > 80.0	4.06e3	1.72e4		4.60	4.40	2.95	10.5	104.8	NO
10	12 PFNA	463.0 > 418.8	1.58e4	1.52e4		4.94	4.73	13.0	9.58	95.8	NO
11	13 PFOSA	498.1 > 77.8	4.15e3	3.97e3		5.00	4.79	13.1	10.9	108.7	NO
12	14 L-PFOS	499 > 79.9	4.10e3	4.71e3		5.02	4.80	10.9	9.76	97.6	NO
13	16 PFDA	513 > 468.8	1.85e4	1.43e4		5.31	5.10	16.2	11.2	112.2	NO
14	17 8:2 FTS	527 > 506.9	3.29e3	1.43e4		5.28	5.07	2.88	11.8	117.5	NO
15	18 N-MeFOSAA	570.1 > 419	1.06e4	7.05e3		5.45	5.25	18.7	11.4	113.8	NO
16	19 N-EiFOSAA	584.2 > 419	7.57e3	7.54e3		5.60	5.41	12.5	9.71	97.1	NO
17	20 PFUdA	563.0 > 518.9	1.84e4	1.72e4		5.62	5.42	13.4	10.5	105.3	NO
18	21 PFDS	598.8 > 80	4.52e3	1.72e4		5.67	5.47	3.29	9.73	97.3	NO
19	22 PFDoA	612.9 > 569.0	1.92e4	9.17e3		5.91	5.70	26.1	17.8	178.5	YES
20	23 N-MeFOSA	512.1 > 168.9	1.17e4	2.85e4		5.87	5.80	61.6	55.1	110.3	NO
21	24 PFTrDA	662.9 > 618.9	1.70e4	9.17e3		6.15	5.95	23.1	10.8	108.1	NO
22	25 PFTeDA	No sample results reported 712.9 > 668.8	9.98e3	5.60e3		6.35	6.16	22.3	6.67	66.7	YES
23	26 N-EiFOSA	526.1 > 168.9	1.53e4	4.25e4		6.25	6.17	53.9	53.8	107.5	NO
24	27 PFHxDA	813.1 > 768.6	7.28e3	3.37e3		6.64	6.48	10.8	13.3	133.1	YES
25	28 PFODA	913.1 > 868.8	7.60e3	3.37e3		6.85	6.71	11.3	12.3	123.2	NO
26	29 N-MeFOSE	616.1 > 58.9	1.97e4	4.88e4		6.31	6.30	60.5	52.3	104.6	NO
27	30 N-EiFOSE	630.1 > 58.9	1.84e4	4.26e4		6.45	6.45	64.6	53.0	106.1	NO
28	31 13C3-PFBA	216.1 > 171.8	1.41e4	1.83e4	0.779	1.64	1.44	9.58	12.3	98.4	NO
29	32 13C3-PFPeA	266. > 221.8	1.56e4	2.07e4	0.797	2.60	2.40	9.41	11.8	94.5	NO
30	33 13C3-PFBS	302. > 98.8	1.99e3	2.07e4	0.095	2.87	2.66	1.20	12.6	101.1	NO
31	34 13C2-PFHxA	315 > 269.8	4.73e3	2.07e4	0.636	3.36	3.16	2.85	4.49	89.7	NO

70-130

50-150

Dataset: U:\Q4.PRO\results\180115M2\180115M2-117.qld

Last Altered: Wednesday, January 17, 2018 09:25:05 Pacific Standard Time
Printed: Wednesday, January 17, 2018 09:25:33 Pacific Standard Time

Name: 180115M2_117, Date: 16-Jan-2018, Time: 22:50:04, ID: ST180115M2-15 PFC CS3 17L2611, Description: PFC CS3 17L2611

	# Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec.	Recovery	Out
32	35 13C4-PFHpA	367.2 > 321.8	1.17e4	2.07e4	0.621	4.00	3.78	7.09	11.4	91.4	NO	
33	36 18O2-PFHxS	403.0 > 102.6	1.50e3	4.70e3	0.336	4.14	3.93	3.99	11.9	95.0	NO	
34	37 13C2-6:2 FTS	429.1 > 408.9	3.06e3	1.95e4	0.192	4.46	4.24	1.96	10.2	81.5	NO	
35	38 13C2-PFOA	414.9 > 369.7	1.72e4	1.95e4	1.001	4.50	4.30	11.0	11.0	88.1	NO	
36	39 13C5-PFNA	468.2 > 422.9	1.52e4	1.63e4	0.811	4.94	4.72	11.6	14.3	114.8	NO	
37	40 13C8-PFOA	506.1 > 77.7	3.97e3	1.65e4	0.196	5.00	4.79	3.01	15.3	122.4	NO	
38	41 13C8-PFOS	507.0 > 79.9	4.71e3	4.34e3	0.862	5.02	4.81	13.6	15.8	126.0	NO	
39	42 13C2-PFDA	515.1 > 469.9	1.43e4	1.25e4	0.996	5.31	5.10	14.3	14.4	115.0	NO	
40	43 13C2-8:2 FTS	529.1 > 508.7	1.56e3	2.07e4	0.103	5.28	5.07	0.942	9.15	73.2	NO	
41	44 d3-N-MeFOSAA	573.3 > 419	7.05e3	1.65e4	0.340	5.45	5.25	5.35	15.7	125.8	NO	
42	45 d5-N-EtFOSAA	589.3 > 419	7.54e3	1.65e4	0.377	5.60	5.40	5.71	15.2	121.3	NO	
43	46 13C2-PFUdA	565 > 519.8	1.72e4	1.65e4	0.944	5.62	5.42	13.0	13.8	110.3	NO	
44	47 13C2-PFDoA	615.0 > 569.7	9.17e3	1.65e4	0.726	5.91	5.70	6.95	9.57	76.5	NO	
45	48 d3-N-MeFOSA	515.2 > 168.9	2.85e4	1.65e4	0.119	5.87	5.82	21.6	182	121.2	NO	
46	49 13C2-PFTeDA	714.8 > 669.6	5.60e3	1.65e4	0.371	6.35	6.16	4.25	11.4	91.5	NO	
47	50 d5-N-ETFOSA	531.1 > 168.9	4.25e4	1.65e4	0.174	6.25	6.19	32.2	186	123.7	NO	
48	51 13C2-PFHxDA	815 > 769.7	3.37e3	1.65e4	0.559	6.64	6.48	2.55	4.56	91.3	NO	
49	52 d7-N-MeFOSE	623.1 > 58.9	4.88e4	1.65e4	0.179	6.31	6.29	36.9	206	137.3	NO	
50	53 d9-N-EtFOSE	639.2 > 58.8	4.26e4	1.65e4	0.160	6.45	6.44	32.3	202	134.8	NO	
51	54 13C4-PFBA	217. > 171.8	1.83e4	1.83e4	1.000	1.64	1.43	12.5	12.5	100.0	NO	
52	55 13C5-PFHxA	318 > 272.9	2.07e4	2.07e4	1.000	3.36	3.16	12.5	12.5	100.0	NO	
53	56 13C3-PFHxS	401.9 > 79.9	4.70e3	4.70e3	1.000	4.14	3.92	12.5	12.5	100.0	NO	
54	57 13C8-PFOA	421.3 > 376	1.95e4	1.95e4	1.000	4.50	4.29	12.5	12.5	100.0	NO	
55	58 13C9-PFNA	472.2 > 426.9	1.63e4	1.63e4	1.000	4.94	4.72	12.5	12.5	100.0	NO	
56	59 13C4-PFOS	503 > 79.9	4.34e3	4.34e3	1.000	5.02	4.81	12.5	12.5	100.0	NO	
57	60 13C6-PFDA	519.1 > 473.7	1.25e4	1.25e4	1.000	5.31	5.10	12.5	12.5	100.0	NO	
58	61 13C7-PFUdA	570.1 > 524.8	1.65e4	1.65e4	1.000	5.62	5.42	12.5	12.5	100.0	NO	

Dataset: Untitled

Last Altered: Wednesday, January 17, 2018 11:36:15 Pacific Standard Time

Printed: Wednesday, January 17, 2018 11:47:39 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\FAS_FULL_80C_011518.mdb 16 Jan 2018 21:06:29

Calibration: 17 Jan 2018 11:36:15

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180115M2_1	ST180115M2-1 PFC CS-2 17L2606	16-Jan-18	00:14:07
2	180115M2_2	ST180115M2-2 PFC CS-1 17L2607	16-Jan-18	00:25:32
3	180115M2_3	ST180115M2-3 PFC CS0 17L2608	16-Jan-18	00:37:02
4	180115M2_4	ST180115M2-4 PFC CS1 17L2609	16-Jan-18	00:48:46
5	180115M2_5	ST180115M2-5 PFC CS2 17L2610	16-Jan-18	01:00:17
6	180115M2_6	ST180115M2-6 PFC CS3 17L2611	16-Jan-18	01:11:44
7	180115M2_7	ST180115M2-7 PFC CS4 17L1208	16-Jan-18	01:23:11
8	180115M2_8	ST180115M2-8 PFC CS5 17L2613	16-Jan-18	01:34:38
9	180115M2_9	IPA	16-Jan-18	01:46:05
10	180115M2_10	ICV180115M2-1 PFC ICV 17L1201	16-Jan-18	01:57:31
11	180115M2_11	IPA	16-Jan-18	02:08:58
12	180115M2_12	1701851-03 FT-PZ-455S-20171202 0.2638	16-Jan-18	02:20:26
13	180115M2_13	1701851-04 FT-PZ-455I-20171202 0.25637	16-Jan-18	02:31:52
14	180115M2_14	1701851-05 FT-PZ-453S-20171202 0.23285	16-Jan-18	02:43:19
15	180115M2_15	1701851-06 FT-PZ-453S-FRB-20171202 0.26159	16-Jan-18	02:54:46
16	180115M2_16	1701851-07 FT-PZ-456I-FRB-20171204 0.2536	16-Jan-18	03:06:13
17	180115M2_17	1701851-08 FT-PZ-456I-20171204 0.26041	16-Jan-18	03:17:39
18	180115M2_18	1701851-09 FT-PZ-456S-20171204 0.25898	16-Jan-18	03:29:06
19	180115M2_19	1701944-01 GW-PT-CHIN-254.5-260.5 0.11993	16-Jan-18	03:40:33
20	180115M2_20	1701944-02 GW-PT-CHIN-71-77 0.11916	16-Jan-18	03:52:00
21	180115M2_21	1701944-03 GW-PT-CHIN-178-184 0.11889	16-Jan-18	04:03:27
22	180115M2_22	1701944-04 GW-PT-CHIN-108-114 0.12008	16-Jan-18	04:14:54
23	180115M2_23	1701944-05 GW-PT-CHIN-57-63 0.11948	16-Jan-18	04:26:21
24	180115M2_24	1701944-06 FB-PT-Diwater 0.11902	16-Jan-18	04:37:48
25	180115M2_25	IPA	16-Jan-18	04:49:15
26	180115M2_26	ST180115M2-9 PFC CS3 17L2611	16-Jan-18	05:00:41
27	180115M2_27	IPA	16-Jan-18	05:12:08
28	180115M2_28	1701944-07 GW-PT-CHIN-254.5-260.5-Dup 0.1...	16-Jan-18	05:23:43
29	180115M2_29	1701944-08 GW-PT-CHIN-116-122 0.11949	16-Jan-18	05:35:10
30	180115M2_30	1701944-09 EB-PT-Waterlevel 0.10468	16-Jan-18	05:46:37
31	180115M2_31	1701944-10 EB-PT-grundfos 0.11733	16-Jan-18	05:58:04

Dataset: Untitled

Last Altered: Wednesday, January 17, 2018 11:36:15 Pacific Standard Time
 Printed: Wednesday, January 17, 2018 11:47:39 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq Date	Acq Time
32	180115M2_32	1701944-11 GW-PT-CHIN-170-176 0.11561	16-Jan-18	06:09:30
33	180115M2_33	1701944-12 GW-PT-CHIN-271.5-277.5 0.11931	16-Jan-18	06:20:58
34	180115M2_34	1701944-13 EB-PT-Packers 0.11813	16-Jan-18	06:32:24
35	180115M2_35	B7L0120-BS1 OPR 0.25	16-Jan-18	06:43:51
36	180115M2_36	B7L0120-BSD1 LCSD 0.25	16-Jan-18	06:55:18
37	180115M2_37	IPA	16-Jan-18	07:06:45
38	180115M2_38	B7L0120-BLK1 Method Blank 0.25	16-Jan-18	07:18:12
39	180115M2_39	1701886-01 YS22-EB01-120417 0.11748	16-Jan-18	07:29:39
40	180115M2_40	1701886-02 YS22-AQ-120517 0.11801	16-Jan-18	07:41:05
41	180115M2_41	1701886-03 YS22-GW18-1217 0.11927	16-Jan-18	07:52:32
42	180115M2_42	IPA	16-Jan-18	08:04:00
43	180115M2_43	ST180115M2-10 PFC CS3 17L2611	16-Jan-18	08:15:26
44	180115M2_44	IPA	16-Jan-18	08:26:53
45	180115M2_45	B7L0183-BS1 OPR 0.25	16-Jan-18	08:38:20
46	180115M2_46	B7L0183-BSD1 LCSD 0.25	16-Jan-18	08:49:46
47	180115M2_47	B7L0183-BLK1 Method Blank 0.25	16-Jan-18	09:01:13
48	180115M2_48	1701953-01 CV-Dup09-20171213 0.2568	16-Jan-18	09:12:40
49	180115M2_49	1701953-02 SA-MW127S-20171213 0.23624	16-Jan-18	09:24:07
50	180115M2_50	1701953-03 SA-MW126S-20171213 0.24287	16-Jan-18	09:42:12
51	180115M2_51	1701953-04 SA-MW126I-20171213 0.24106	16-Jan-18	09:53:46
52	180115M2_52	1701953-05 SA-MW127S-FRB-20171213 0.255...	16-Jan-18	10:05:14
53	180115M2_53	1701953-06 SA-Dup10-20171213 0.25769	16-Jan-18	10:16:50
54	180115M2_54	1701953-07 SA-PZ123S-20171213 0.24245	16-Jan-18	10:28:24
55	180115M2_55	1701953-08 SA-PZ123I-20171213 0.25702	16-Jan-18	10:39:51
56	180115M2_56	1701953-09 SA-PZ123II-20171213 0.25747	16-Jan-18	10:51:18
57	180115M2_57	1701953-10 SA-PZ118S-20171213 0.23505	16-Jan-18	11:02:44
58	180115M2_58	1701953-11 SA-PZ118I-20171213 0.24112	16-Jan-18	11:14:11
59	180115M2_59	IPA	16-Jan-18	11:25:38
60	180115M2_60	ST180115M2-11 PFC CS0 17L2608	16-Jan-18	11:37:05
61	180115M2_61	IPA	16-Jan-18	11:48:32
62	180115M2_62	1701905-03RE1@40X WINF1712061655JLB 0...	16-Jan-18	11:59:59
63	180115M2_63	1701852-01@20X IR03-MW034-C2-17D 0.26646	16-Jan-18	12:11:26
64	180115M2_64	1701852-02@20X IR03-MW018B-C1-17D 0.25...	16-Jan-18	12:22:53
65	180115M2_65	1701852-03@40X IR03-MW018A-C2-17D 0.26...	16-Jan-18	12:34:19

Dataset: Untitled

Last Altered: Wednesday, January 17, 2018 11:36:15 Pacific Standard Time
 Printed: Wednesday, January 17, 2018 11:47:39 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
66	180115M2_66	1701852-03@20X IR03-MW018A-C2-17D 0.26...	16-Jan-18	12:45:47
67	180115M2_67	IPA	16-Jan-18	12:57:13
68	180115M2_68	1701852-02 IR03-MW018B-C1-17D 0.25583	16-Jan-18	13:08:40
69	180115M2_69	IPA	16-Jan-18	13:20:07
70	180115M2_70	1701840-05 YS22-GW10-1217 0.11512	16-Jan-18	13:31:34
71	180115M2_71	IPA	16-Jan-18	13:43:01
72	180115M2_72	ST180115M2-12 PFC CS3 17L2611	16-Jan-18	13:54:28
73	180115M2_73	IPA	16-Jan-18	14:05:55
74	180115M2_74	B7L0208-BS1 OPR 0.25	16-Jan-18	14:17:32
75	180115M2_75	B7L0208-BLK1 Method Blank 0.25	16-Jan-18	14:29:05
76	180115M2_76	1701820-01RE1 WR1711281315MK 0.25712	16-Jan-18	15:00:31
77	180115M2_77	1701820-02RE1 WR1711281330MK 0.24648	16-Jan-18	15:12:02
78	180115M2_78	1701820-03RE1 WR1711281345MK 0.25579	16-Jan-18	15:23:29
79	180115M2_79	1701820-04RE1 WT1711281420MK 0.26647	16-Jan-18	15:34:56
80	180115M2_80	1701820-05RE1 WT1711281440MK 0.25752	16-Jan-18	15:46:23
81	180115M2_81	1701820-06RE1 FB1711281445MK 0.2552	16-Jan-18	15:57:50
82	180115M2_82	1701820-07RE1 WT1711281535MK 0.25433	16-Jan-18	16:09:17
83	180115M2_83	1701820-08RE1 WR1711281555MK 0.26231	16-Jan-18	16:20:43
84	180115M2_84	1701820-09RE1 WR1711290820MK 0.24977	16-Jan-18	16:32:11
85	180115M2_85	1701820-10RE1 WT1711290835MK 0.26178	16-Jan-18	16:43:37
86	180115M2_86	1701820-11RE1 WT1711290845MK 0.26795	16-Jan-18	16:55:04
87	180115M2_87	IPA	16-Jan-18	17:06:34
88	180115M2_88	ST180115M2-13 PFC CS3 17L2611	16-Jan-18	17:18:06
89	180115M2_89	IPA	16-Jan-18	17:29:33
90	180115M2_90	1701820-12RE1 WT1711290910MK 0.2463	16-Jan-18	17:41:00
91	180115M2_91	1701820-13RE1 WT1711290925MK 0.2633	16-Jan-18	17:52:26
92	180115M2_92	1701820-14RE1 WR1711290940MK 0.2514	16-Jan-18	18:03:53
93	180115M2_93	1701820-15RE1 WR1711290950MK 0.25988	16-Jan-18	18:15:20
94	180115M2_94	B7L0183-BS1 OPR 0.25	16-Jan-18	18:26:47
95	180115M2_95	B7L0183-BSD1 LCSD 0.25	16-Jan-18	18:38:14
96	180115M2_96	B7L0183-BLK1 Method Blank 0.25	16-Jan-18	18:49:41
97	180115M2_97	1701953-01@5X CV-Dup09-20171213 0.2568	16-Jan-18	19:01:07
98	180115M2_98	1701953-03@5X SA-MW126S-20171213 0.242...	16-Jan-18	19:12:35
99	180115M2_99	1701953-08@5X SA-PZ1231-20171213 0.25702	16-Jan-18	19:24:01

Dataset: Untitled

Last Altered: Wednesday, January 17, 2018 11:36:15 Pacific Standard Time

Printed: Wednesday, January 17, 2018 11:47:39 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
100	180115M2_100	1701953-09@5X SA-PZ123I1-20171213 0.25747	16-Jan-18	19:35:28
101	180115M2_101	1701953-10@5X SA-PZ118S-20171213 0.23505	16-Jan-18	19:46:55
102	180115M2_102	1701953-01 CV-Dup09-20171213 0.2568	16-Jan-18	19:58:22
103	180115M2_103	1701953-02 SA-MW127S-20171213 0.23624	16-Jan-18	20:09:49
104	180115M2_104	IPA	16-Jan-18	20:21:16
105	180115M2_105	ST180115M2-14 PFC CS0 17L2608	16-Jan-18	20:32:42
106	180115M2_106	IPA	16-Jan-18	20:44:08
107	180115M2_107	1701953-03 SA-MW126S-20171213 0.24287	16-Jan-18	20:55:35
108	180115M2_108	1701953-04 SA-MW126I-20171213 0.24106	16-Jan-18	21:07:02
109	180115M2_109	1701953-06 SA-Dup10-20171213 0.25769	16-Jan-18	21:18:29
110	180115M2_110	1701953-07 SA-PZ123S-20171213 0.24245	16-Jan-18	21:29:55
111	180115M2_111	1701953-08 SA-PZ123I-20171213 0.25702	16-Jan-18	21:41:23
112	180115M2_112	1701953-09 SA-PZ123I1-20171213 0.25747	16-Jan-18	21:52:49
113	180115M2_113	1701953-10 SA-PZ118S-20171213 0.23505	16-Jan-18	22:04:16
114	180115M2_114	1701953-11 SA-PZ118I-20171213 0.24112	16-Jan-18	22:15:43
115	180115M2_115	IPA	16-Jan-18	22:27:10
116	180115M2_116	1701905-04RE1 WR1712070930JNR 0.25	16-Jan-18	22:38:37
117	180115M2_117	ST180115M2-15 PFC CS3 17L2611	16-Jan-18	22:50:04
118	180115M2_118	IPA	16-Jan-18	23:01:30

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-60.qld

Last Altered: Wednesday, January 31, 2018 11:07:35 Pacific Standard Time

Printed: Wednesday, January 31, 2018 11:07:41 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 09:53:30

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_60, Date: 30-Jan-2018, Time: 22:50:01, ID: ST180130M2-12 PFC CS0 18A1906, Description: PFC CS0 18A1906

AC
1/31/18

JA
01/31/2018

#	Name	Trace	Area	IS Area	RRF	Divisor1	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	7.15e2	8.58e3	1.0000		1.29	1.32	1.04	0.9322	93.2
2	2 PFPeA	263.1 > 218.9	1.21e3	1.47e4	1.0000		2.27	2.27	1.03	0.9784	97.8
3	3 PFBS	299.0 > 79.7	2.74e2	1.91e3	1.0000		2.56	2.55	1.80	0.9550	95.5
4	4 4:2 FTS	327.2 > 307.2	2.36e2	1.91e3	1.0000		2.93	2.95	1.55	0.8236	82.4
5	5 PFHxA	313.2 > 268.9	1.44e3	4.06e3	1.0000		3.05	3.04	1.77	1.014	101.4
6	6 PFPeS	349.1 > 80.1	2.58e2	1.91e3	1.0000		3.23	3.25	1.69	0.7542	75.4
7	7 PFHpA	363.0 > 318.9	1.26e3	1.14e4	1.0000		3.68	3.66	1.38	1.063	106.3
8	8 L-PFHxS	398.9 > 79.6	2.30e2	1.35e3	1.0000		3.80	3.81	2.13	1.137	113.7
9	10 6:2 FTS	427.1 > 407	4.11e2	1.80e4	1.0000		4.15	4.13	0.286	1.208	120.8
10	11 L-PFOA	413 > 368.7	1.50e3	1.80e4	1.0000		4.20	4.18	1.04	0.9209	92.1
11	13 PFHpS	449 > 80.0	3.02e2	3.86e3	1.0000		4.30	4.29	0.980	1.054	105.4
12	14 PFNA	463.0 > 418.8	1.52e3	1.52e4	1.0000		4.65	4.62	1.25	0.8878	88.8
13	15 PFOSA	498.1 > 77.8	3.50e2	3.88e3	1.0000		4.70	4.69	1.13	1.062	106.2
14	16 L-PFOS	499 > 79.9	3.39e2	3.86e3	1.0000		4.75	4.70	1.10	1.175	117.5
15	18 PFDA	513 > 468.8	1.84e3	1.58e4	1.0000		5.03	4.99	1.45	1.048	104.8
16	19 8:2 FTS	527 > 506.9	2.31e2	1.58e4	1.0000		5.00	4.97	0.182	0.7901	79.0
17	20 PFNS	549.1 > 80.1	3.10e2	3.86e3	1.0000		5.05	5.06	1.01	1.055	105.5
18	21 N-MeFOSAA	570.1 > 419	6.42e2	6.17e3	1.0000		5.20	5.15	1.30	0.8545	85.4
19	22 N-EtFOSAA	584.2 > 419	5.01e2	7.58e3	1.0000		5.30	5.30	0.826	0.7351	73.5
20	23 PFUDA	563.0 > 518.9	1.31e3	1.92e4	1.0000		5.36	5.32	0.854	0.7022	70.2
21	24 PFDS	598.8 > 80	3.53e2	1.92e4	1.0000		5.40	5.37	0.229	0.8847	88.5
22	25 PFDaA	612.9 > 569.0	1.84e3	1.43e4	1.0000		5.65	5.60	1.61	1.045	104.5
23	26 N-MeFOSA	512.1 > 168.9	7.70e2	1.95e4	1.0000		5.70	5.74	5.91	5.646	112.9
24	27 PFTiDA	662.9 > 618.9	1.74e3	5.40e3	1.0000		5.90	5.85	4.04	1.026	102.6
25	28 PFTeDA	712.9 > 668.8	9.36e2	5.40e3	1.0000		6.12	6.07	2.17	0.8220	82.2
26	29 N-EtFOSA	526.1 > 168.9	9.68e2	3.05e4	1.0000		6.12	6.15	4.76	5.181	103.6
27	30 PFHxDA	813.1 > 768.6	5.33e2	3.45e3	1.0000		6.46	6.41	0.773	1.149	114.9
28	31 PFODA	913.1 > 868.8	7.43e2	3.45e3	1.0000		6.70	6.64	1.08	1.282	128.2
29	32 N-MeFOSE	616.1 > 58.9	8.62e2	2.72e4	1.0000		6.31	6.30	4.76	4.881	97.6
30	33 N-EtFOSE	630.1 > 58.9	1.12e3	2.28e4	1.0000		6.45	6.45	7.35	6.274	125.5
31	Work Order 170123	216.1 > 171.8	8.58e3	9.88e3	0.842	1.0000	1.30	1.31	10.9	12.90	103.2

70-130

50-150

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-60.qld

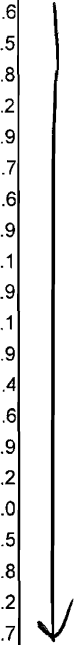
Last Altered: Wednesday, January 31, 2018 11:07:35 Pacific Standard Time

Printed: Wednesday, January 31, 2018 11:07:41 Pacific Standard Time

Name: 180130M2_60, Date: 30-Jan-2018, Time: 22:50:01, ID: ST180130M2-12 PFC CS0 18A1906, Description: PFC CS0 18A1906

#	Name	Trace	Area	IS Area	RRF	Divisor1	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35 13C3-PFPeA	266. > 221.8	1.47e4	1.52e4	0.870	1.0000	2.27	2.27	12.1	13.88	111.1
33	36 13C3-PFBS	302. > 98.8	1.91e3	1.52e4	0.109	1.0000	2.56	2.55	1.56	14.33	114.6
34	37 13C2-PFHxA	315 > 269.8	4.06e3	1.52e4	0.684	1.0000	3.05	3.04	3.33	4.875	97.5
35	38 13C4-PFHpA	367.2 > 321.8	1.14e4	1.52e4	0.732	1.0000	3.68	3.66	9.32	12.72	101.8
36	39 18O2-PFHxS	403.0 > 102.6	1.35e3	3.89e3	0.318	1.0000	3.80	3.81	4.35	13.65	109.2
37	40 13C2-6.2 FTS	429.1 > 408.9	3.68e3	1.39e4	0.263	1.0000	4.15	4.13	3.32	12.61	100.9
38	41 13C2-PFOA	414.9 > 369.7	1.80e4	1.39e4	1.120	1.0000	4.20	4.18	16.2	14.46	115.7
39	42 13C5-PFNA	468.2 > 422.9	1.52e4	1.43e4	0.921	1.0000	4.65	4.62	13.3	14.45	115.6
40	43 13C8-PFOA	506.1 > 77.7	3.88e3	1.62e4	0.245	1.0000	4.70	4.69	3.00	12.24	97.9
41	44 13C8-PFOS	507.0 > 79.9	3.86e3	4.10e3	1.034	1.0000	4.75	4.70	11.8	11.39	91.1
42	45 13C2-PFDA	515.1 > 469.9	1.58e4	1.44e4	1.080	1.0000	5.03	4.99	13.7	12.73	101.9
43	46 13C2-8.2 FTS	529.1 > 508.7	1.96e3	1.52e4	0.165	1.0000	5.00	4.96	1.61	9.762	78.1
44	47 d3-N-MeFOSAA	573.3 > 419	6.17e3	1.62e4	0.398	1.0000	5.20	5.15	4.77	11.98	95.9
45	48 d5-N-EtFOSAA	589.3 > 419	7.58e3	1.62e4	0.425	1.0000	5.30	5.30	5.86	13.80	110.4
46	49 13C2-PFUdA	565 > 519.8	1.92e4	1.62e4	1.047	1.0000	5.36	5.32	14.9	14.20	113.6
47	50 13C2-PFDoA	615.0 > 569.7	1.43e4	1.62e4	0.805	1.0000	5.65	5.60	11.1	13.74	109.9
48	51 d3-N-MeFOSA	515.2 > 168.9	1.95e4	1.62e4	0.104	1.0000	5.70	5.76	15.1	145.8	97.2
49	52 13C2-PFTeDA	714.8 > 669.6	5.40e3	1.62e4	0.367	1.0000	6.12	6.07	4.17	11.37	91.0
50	53 d5-N-EtFOSA	531.1 > 168.9	3.05e4	1.62e4	0.155	1.0000	6.25	6.16	23.6	152.3	101.5
51	54 13C2-PFHxDA	815 > 769.7	3.45e3	1.62e4	0.721	1.0000	6.46	6.41	2.66	3.692	73.8
52	55 d7-N-MeFOSE	623.1 > 58.9	2.72e4	1.62e4	0.143	1.0000	6.31	6.29	21.0	147.3	98.2
53	56 d9-N-EtFOSE	639.2 > 58.8	2.28e4	1.62e4	0.133	1.0000	6.12	6.44	17.7	133.1	88.7
54	57 13C4-PFBA	217. > 171.8	9.88e3	9.88e3	1.000	1.0000	1.30	1.31	12.5	12.50	100.0
55	58 13C5-PFHxA	318 > 272.9	1.52e4	1.52e4	1.000	1.0000	3.05	3.04	12.5	12.50	100.0
56	59 13C3-PFHxS	401.9 > 79.9	3.89e3	3.89e3	1.000	1.0000	3.80	3.81	12.5	12.50	100.0
57	60 13C8-PFOA	421.3 > 376	1.39e4	1.39e4	1.000	1.0000	4.20	4.18	12.5	12.50	100.0
58	61 13C9-PFNA	472.2 > 426.9	1.43e4	1.43e4	1.000	1.0000	4.65	4.62	12.5	12.50	100.0
59	62 13C4-PFOS	503 > 79.9	4.10e3	4.10e3	1.000	1.0000	4.60	4.70	12.5	12.50	100.0
60	63 13C6-PFDA	519.1 > 473.7	1.44e4	1.44e4	1.000	1.0000	5.03	4.99	12.5	12.50	100.0
61	64 13C7-PFUdA	570.1 > 524.8	1.62e4	1.62e4	1.000	1.0000	5.36	5.32	12.5	12.50	100.0
62	72 13C2-4.2 FTS	329.2>308.9	3.86e3	1.52e4	0.275	1.0000	2.93	2.95	3.17	11.54	92.3

50-150



50-150

Dataset: Untitled

Last Altered: Wednesday, January 31, 2018 12:54:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 12:54:34 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 09:53:30
Calibration: F:\Projects\PFAS.PRO\CurveDB\IC18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180130M2_1	IPA	30-Jan-18	11:33:07
2	180130M2_2	ST180130M2-1 PFC CS-2 18A1904	30-Jan-18	11:44:38
3	180130M2_3	ST180130M2-2 PFC CS-1 18A1905	30-Jan-18	11:56:07
4	180130M2_4	ST180130M2-3 PFC CS0 18A1906	30-Jan-18	12:07:36
5	180130M2_5	ST180130M2-4 PFC CS1 18A1907	30-Jan-18	12:19:06
6	180130M2_6	ST180130M2-5 PFC CS2 18A1908	30-Jan-18	12:30:35
7	180130M2_7	ST180130M2-6 PFC CS3 18A1909	30-Jan-18	12:42:05
8	180130M2_8	ST180130M2-7 PFC CS4 18A1910	30-Jan-18	12:53:35
9	180130M2_9	ST180130M2-8 PFC CS5 18A1911	30-Jan-18	13:05:04
10	180130M2_10	ST180130M2-9 PFC CS6 18A2403	30-Jan-18	13:16:34
11	180130M2_11	ST180130M2-10 PFC CS7 18A2404	30-Jan-18	13:28:04
12	180130M2_12	IPA	30-Jan-18	13:39:34
13	180130M2_13	ICV180130M2-1 PFC ICV 18A1903	30-Jan-18	13:51:03
14	180130M2_14	IPA	30-Jan-18	14:02:33
15	180130M2_15	1800188-02 REEPDW133FRB 0.11579	30-Jan-18	14:14:05
16	180130M2_16	1800204-03 REEPDW137 0.11904	30-Jan-18	14:25:29
17	180130M2_17	1800204-07 REEPDW513 0.11719	30-Jan-18	14:36:56
18	180130M2_18	B8A0173-BLK1 Method Blank 0.125	30-Jan-18	14:48:23
19	180130M2_19	B8A0173-BS1 OPR 0.125	30-Jan-18	14:59:50
20	180130M2_20	B8A0173-BS2 OPR 0.125	30-Jan-18	15:11:16
21	180130M2_21	B8A0173-BS3 OPR 0.125	30-Jan-18	15:22:44
22	180130M2_22	B8A0173-BS4 OPR 0.125	30-Jan-18	15:34:10
23	180130M2_23	B8A0070-BS1 OPR 0.25	30-Jan-18	15:45:37
24	180130M2_24	B8A0070-BLK1 Method Blank 0.25	30-Jan-18	15:57:07
25	180130M2_25	1800010-01 PFAS Ground Water_Surface Wate...	30-Jan-18	16:08:37
26	180130M2_26	IPA	30-Jan-18	16:20:04
27	180130M2_27	B8A0054-BS1 OPR 1	30-Jan-18	16:31:30
28	180130M2_28	B8A0054-BLK1 Method Blank 1	30-Jan-18	16:42:57
29	180130M2_29	1800011-01 PFAS in Soil Lot#122917C2 1	30-Jan-18	16:54:27
30	180130M2_30	B8A0115-MS1 Matrix Spike 0.25673	30-Jan-18	17:05:57
31	180130M2_31	B8A0115-MSD1@10X Matrix Spike Dup 0.25042	30-Jan-18	17:17:24

Dataset: Untitled

Last Altered: Wednesday, January 31, 2018 12:54:14 Pacific Standard Time
 Printed: Wednesday, January 31, 2018 12:54:34 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	180130M2_32	1800121-02 EB01-20180115 0.25066	30-Jan-18	17:28:54
33	180130M2_33	1800121-04 IRSite5-GW-05W06-20180115 0.2...	30-Jan-18	17:40:22
34	180130M2_34	1800121-06 IRSite5-GW-05W01-20180115 0.2...	30-Jan-18	17:51:52
35	180130M2_35	1800121-07 IRSite5-GW-05W03-20180115 0.2...	30-Jan-18	18:03:22
36	180130M2_36	1800121-08 UXOSite14-GW-DPW79A-2018011...	30-Jan-18	18:14:48
37	180130M2_37	1800121-09 UXOSite14-GW-DPW78A-2018011...	30-Jan-18	18:26:15
38	180130M2_38	1800121-10 UXOSite14-GW-DPW77A-2018011...	30-Jan-18	18:37:42
39	180130M2_39	IPA	30-Jan-18	18:49:09
40	180130M2_40	ST180130M2-11 PFC CS3 18A1909	30-Jan-18	19:00:38
41	180130M2_41	IPA	30-Jan-18	19:12:08
42	180130M2_42	1800121-11 IRSite1-GW-01W48A -20180115 0....	30-Jan-18	19:23:37
43	180130M2_43	1800121-12 IRSite1-GW-01W49A- 20180115 0....	30-Jan-18	19:35:04
44	180130M2_44	1800121-13 IRSite1-GW-01W13A- 20180115 0....	30-Jan-18	19:46:34
45	180130M2_45	1800121-14 DUP01-20180115 0.26578	30-Jan-18	19:58:03
46	180130M2_46	1800132-14 PITTS-EB-011118-1400 0.12081	30-Jan-18	20:09:34
47	180130M2_47	B8A0140-BS1 OPR 0.25	30-Jan-18	20:21:00
48	180130M2_48	B8A0140-BSD1 LCSD 0.25	30-Jan-18	20:32:30
49	180130M2_49	B8A0140-BLK1 Method Blank 0.25	30-Jan-18	20:44:00
50	180130M2_50	1800127-01 EB02-20180116 0.27074	30-Jan-18	20:55:29
51	180130M2_51	1800127-02 IRSite1-GW-01W53A-20180116 0....	30-Jan-18	21:06:58
52	180130M2_52	1800127-03 IRSite1-GW-MW80A-20180116 0.2...	30-Jan-18	21:18:25
53	180130M2_53	1800127-04 IRSite1-GW-01W28B-20180116 0....	30-Jan-18	21:29:51
54	180130M2_54	1800127-05 IRSite1-GW-01W38AR-20180116 ...	30-Jan-18	21:41:18
55	180130M2_55	1800127-06 IRSite1-GW-MW86A-20180116 0.2...	30-Jan-18	21:52:45
56	180130M2_56	1800127-07 IRSite1-GW-MW85A-20180116 0.2...	30-Jan-18	22:04:12
57	180130M2_57	1800127-08 DUP02-20180116 0.25425	30-Jan-18	22:15:39
58	180130M2_58	1800127-09 IRSite1-GW-MW82A-20180116 0.2...	30-Jan-18	22:27:06
59	180130M2_59	IPA	30-Jan-18	22:38:33
60	180130M2_60	ST180130M2-12 PFC CS0 18A1906	30-Jan-18	22:50:01
61	180130M2_61	IPA	30-Jan-18	23:01:30
62	180130M2_62	1800139-01 LH-TAP 0.27467	30-Jan-18	23:13:00
63	180130M2_63	1800139-02 LH-RAW 0.27394	30-Jan-18	23:24:27
64	180130M2_64	1701953-01@10X CV-Dup09-20171213 0.2568	30-Jan-18	23:35:57
65	180130M2_65	1701953-10@10X SA-PZ118S-20171213 0.235...	30-Jan-18	23:47:26

Dataset: Untitled

Last Altered: Wednesday, January 31, 2018 12:54:14 Pacific Standard Time

Printed: Wednesday, January 31, 2018 12:54:34 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
66	180130M2_66	IPA	30-Jan-18	23:58:55
67	180130M2_67	B7L0136-BLK1 Method Blank 0.0075	31-Jan-18	00:10:22
68	180130M2_68	B7L0136-BS1 OPR 0.0075	31-Jan-18	00:21:50
69	180130M2_69	B7L0136-BS2 OPR 0.0075	31-Jan-18	00:33:19
70	180130M2_70	B7L0136-BS3 OPR 0.0075	31-Jan-18	00:44:49
71	180130M2_71	B7L0136-BS4 OPR 0.0075	31-Jan-18	00:56:18
72	180130M2_72	B7L0140-BS1 OPR 0.0075	31-Jan-18	01:07:47
73	180130M2_73	B7L0140-BSD1 LCSD 0.0075	31-Jan-18	01:19:13
74	180130M2_74	B7L0140-BLK1 Method Blank 0.0075	31-Jan-18	01:30:42
75	180130M2_75	1701882-02RE1 WI-A06-6-I-01-1217-TOP 0.0075	31-Jan-18	01:42:11
76	180130M2_76	1701882-04RE1 WI-A06-EB01-120517-TOP 0....	31-Jan-18	01:53:42
77	180130M2_77	1701882-06RE1 WI-A06-EB02-120517-TOP 0....	31-Jan-18	02:05:12
78	180130M2_78	1701882-08RE1 WI-A06-EFF01-1217-TOP 0.0...	31-Jan-18	02:16:41
79	180130M2_79	1701882-10RE1 WI-A06-EFF01P-1217-TOP 0....	31-Jan-18	02:28:08
80	180130M2_80	1701882-12RE1 WI-A06-INF01-1217-TOP 0.00...	31-Jan-18	02:39:37
81	180130M2_81	1701882-14RE1 WI-A06-P-4-1217-TOP 0.0075	31-Jan-18	02:51:06
82	180130M2_82	1701882-16RE1 WI-A06-6-I-03-1217-TOP 0.0075	31-Jan-18	03:02:33
83	180130M2_83	IPA	31-Jan-18	03:14:03
84	180130M2_84	ST180130M2-13 PFC CS3 18A1909	31-Jan-18	03:25:32
85	180130M2_85	IPA	31-Jan-18	03:37:02
86	180130M2_86	B8A0165-BS1 OPR 0.25	31-Jan-18	03:48:35
87	180130M2_87	B8A0165-BSD1 LCSD 0.25	31-Jan-18	03:59:59
88	180130M2_88	B8A0165-BLK1 Method Blank 0.25	31-Jan-18	04:11:26
89	180130M2_89	1800186-01 REEPDW132 0.12041	31-Jan-18	04:22:53
90	180130M2_90	1800186-02 REEPDW133 0.12113	31-Jan-18	04:34:22
91	180130M2_91	1800186-03 REEPDW134 0.12099	31-Jan-18	04:45:52
92	180130M2_92	1800196-01 GW1519180119RAP 0.26117	31-Jan-18	04:57:21
93	180130M2_93	1800196-02 GW2529180119RAP 0.26519	31-Jan-18	05:08:48
94	180130M2_94	1800196-03 GW3539180119RAP 0.26249	31-Jan-18	05:20:17
95	180130M2_95	1800207-01 SPLP Solution #1	31-Jan-18	05:31:47
96	180130M2_96	1800207-02 SPLP Solution #2	31-Jan-18	05:43:14
97	180130M2_97	1800207-03 TCLP Solution #1 0.12117	31-Jan-18	05:54:41
98	180130M2_98	1800207-04 TCLP Solution #2 0.12163	31-Jan-18	06:06:08
99	180130M2_99	IPA	31-Jan-18	06:17:37

Dataset: Untitled

Last Altered: Wednesday, January 31, 2018 12:54:14 Pacific Standard Time
 Printed: Wednesday, January 31, 2018 12:54:34 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
100	180130M2_100	ST180130M2-14 PFC CS3 18A1909	31-Jan-18	06:29:06
101	180130M2_101	IPA	31-Jan-18	06:40:36
102	180130M2_102	B8A0119-BS1 OPR 1	31-Jan-18	06:52:05
103	180130M2_103	B8A0119-BLK1 Method Blank 1	31-Jan-18	07:03:32
104	180130M2_104	B8A0119-MS1 Matrix Spike 1.23	31-Jan-18	07:14:59
105	180130M2_105	B8A0119-MSD1 Matrix Spike Dup 1.13	31-Jan-18	07:26:25
106	180130M2_106	1800098-01 MINNE-09-SB01-010818-00-02 1.16	31-Jan-18	07:37:52
107	180130M2_107	1800098-02 MINNE-09-SB01-010818-16-18 1.17	31-Jan-18	07:49:22
108	180130M2_108	1800098-03 MINNE-09-SB03-010818-01-02 1.21	31-Jan-18	08:00:51
109	180130M2_109	1800098-04 MINNE-09-SB03-010818-15-17 1.13	31-Jan-18	08:12:21
110	180130M2_110	1800098-05 MINNE-10-SB01-010818-00-02 1.3	31-Jan-18	08:23:50
111	180130M2_111	1800098-06 MINNE-10-SB01-010818-09-11 1.13	31-Jan-18	08:35:17
112	180130M2_112	1800098-07 MINNE-10-SB03-010818-00-02 1.29	31-Jan-18	08:46:43
113	180130M2_113	1800098-08 MINNE-10-SB03-010818-15-16 1.22	31-Jan-18	08:58:11
114	180130M2_114	1800098-09 MINNE-10-SB04-010818-01-02 1.16	31-Jan-18	09:09:38
115	180130M2_115	1800098-11 MINNE-SO-DUP01-010818 1.18	31-Jan-18	09:21:06
116	180130M2_116	IPA	31-Jan-18	09:32:33
117	180130M2_117	ST180130M2-15 PFC CS0 18A1906	31-Jan-18	09:44:03
118	180130M2_118	IPA	31-Jan-18	09:55:31
119	180130M2_119	1800098-12 MINNE-SO-DUP02-010818 1.13	31-Jan-18	10:07:01
120	180130M2_120	1800099-01 MINNE-08-SB03-010818-01-02 1.16	31-Jan-18	10:20:17
121	180130M2_121	1800099-02 MINNE-08-SB03-010818-15-17 1.17	31-Jan-18	10:31:40
122	180130M2_122	1800099-03 MINNE-10-SB02-010918-00-02 1.11	31-Jan-18	10:43:07
123	180130M2_123	1800099-04 MINNE-10-SB02-010918-15-17 1.15	31-Jan-18	10:54:34
124	180130M2_124	1800099-05 MINNE-10-SB04-010818-16-18 1.18	31-Jan-18	11:06:01
125	180130M2_125	IPA	31-Jan-18	11:17:30
126	180130M2_126	B8A0148-BS1 OPR 1	31-Jan-18	11:28:58
127	180130M2_127	B8A0148-BLK1 Method Blank 1	31-Jan-18	11:40:29
128	180130M2_128	1800193-01 CANGPFOS20180122 1.11	31-Jan-18	11:51:57
129	180130M2_129	IPA	31-Jan-18	12:03:26
130	180130M2_130	ST180130M2-16 PFC CS3 18A1909	31-Jan-18	12:14:57
131	180130M2_131	IPA	31-Jan-18	12:26:23

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-84.qld

Last Altered: Wednesday, January 31, 2018 11:09:39 Pacific Standard Time

Printed: Wednesday, January 31, 2018 11:11:02 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 09:53:30

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_84, Date: 31-Jan-2018, Time: 03:25:32, ID: ST180130M2-13 PFC CS3 18A1909, Description: PFC CS3 18A1909

AC
1/31/18

v JA
01/31/2018

	# Name	Trace	Area	IS Area	RRF	Divisor1	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	9.17e3	9.11e3	1.0000		1.29	1.32	12.6	10.84	108.4
2	2 PFPeA	263.1 > 218.9	1.35e4	1.55e4	1.0000		2.27	2.28	10.9	10.74	107.4
3	3 PFBS	299.0 > 79.7	3.15e3	2.10e3	1.0000		2.56	2.55	18.8	10.42	104.2
4	4 4:2 FTS	327.2>307.2	2.82e3	2.10e3	1.0000		2.93	2.96	16.8	9.068	90.7
5	5 PFHxA	313.2 > 268.9	1.75e4	5.20e3	1.0000		3.05	3.05	16.8	10.44	104.4
6	6 PFPeS	349.1>80.1	3.52e3	2.10e3	1.0000		3.23	3.25	21.0	10.81	108.1
7	7 PFHpA	363.0 > 318.9	1.35e4	1.38e4	1.0000		3.68	3.67	12.3	10.30	103.0
8	8 L-PFHxS	398.9 > 79.6	2.14e3	1.31e3	1.0000		3.80	3.82	20.5	11.04	110.4
9	10 6:2 FTS	427.1 > 407	3.15e3	1.72e4	1.0000		4.15	4.13	2.29	9.891	98.9
10	11 L-PFOA	413 > 368.7	1.60e4	1.72e4	1.0000		4.20	4.19	11.6	11.05	110.5
11	13 PFHpS	449 > 80.0	3.69e3	3.54e3	1.0000		4.30	4.30	13.0	12.90	129.0
12	14 PFNA	463.0 > 418.8	1.48e4	1.50e4	1.0000		4.65	4.62	12.4	9.992	99.9
13	15 PFOSA	498.1 > 77.8	3.71e3	4.07e3	1.0000		4.70	4.69	11.4	10.42	104.2
14	16 L-PFOS	499 > 79.9	3.57e3	3.54e3	1.0000		4.75	4.71	12.6	11.78	117.8
15	18 PFDA	513 > 468.8	1.66e4	1.53e4	1.0000		5.03	5.00	13.5	10.36	103.6
16	19 8:2 FTS	527 > 506.9	3.61e3	1.53e4	1.0000		5.00	4.97	2.95	11.91	119.1
17	20 PFNS	549.1>80.1	3.05e3	3.54e3	1.0000		5.05	5.06	10.8	12.16	121.6
18	21 N-MeFOSAA	570.1 > 419	9.24e3	7.13e3	1.0000		5.20	5.16	16.2	10.35	103.5
19	22 N-EiFOSAA	584.2 > 419	7.05e3	7.81e3	1.0000		5.30	5.31	11.3	10.30	103.0
20	23 PFUdA	563.0 > 518.9	1.58e4	1.82e4	1.0000		5.36	5.32	10.8	9.216	92.2
21	24 PFDS	598.8 > 80	3.98e3	1.82e4	1.0000		5.40	5.37	2.74	10.10	101.0
22	25 PFDoA	612.9 > 569.0	1.89e4	1.76e4	1.0000		5.65	5.61	13.4	8.982	89.8
23	26 N-MeFOSA	512.1 > 168.9	7.83e3	2.07e4	1.0000		5.70	5.75	56.7	58.15	116.3
24	27 PFTrDA	662.9 > 618.9	2.23e4	6.58e3	1.0000		5.90	5.86	42.4	11.27	112.7
25	28 PFTeDA	712.9 > 668.8	1.14e4	6.58e3	1.0000		6.12	6.08	21.7	9.393	93.9
26	29 N-EiFOSA	526.1 > 168.9	1.01e4	3.12e4	1.0000		6.12	6.15	48.5	53.48	107.0
27	30 PFHxDA	813.1 > 768.6	6.28e3	4.80e3	1.0000		6.46	6.41	6.54	10.70	107.0
28	31 PFODA	913.1 > 868.8	8.68e3	4.80e3	1.0000		6.70	6.64	9.05	11.21	112.1
29	32 N-MeFOSE	616.1 > 58.9	1.00e4	2.52e4	1.0000		6.31	6.30	59.6	64.74	129.5
30	33 N-EiFOSE	630.1 > 58.9	1.18e4	2.97e4	1.0000		6.45	6.45	59.4	50.84	101.7
31	Work Order 180130M2-84	216.1 > 171.8	9.11e3	1.03e4	0.842	1.0000	1.30	1.33	11.0	13.12	105.8

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Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-84.qld

Last Altered: Wednesday, January 31, 2018 11:09:39 Pacific Standard Time

Printed: Wednesday, January 31, 2018 11:11:02 Pacific Standard Time

Name: 180130M2_84, Date: 31-Jan-2018, Time: 03:25:32, ID: ST180130M2-13 PFC CS3 18A1909, Description: PFC CS3 18A1909

	# Name	Trace	Area	IS Area	RRF	Divisor1	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35 13C3-PFPeA	266. > 221.8	1.55e4	1.85e4	0.870	1.0000	2.27	2.28	10.5	12.04	96.4
33	36 13C3-PFBS	302. > 98.8	2.10e3	1.85e4	0.109	1.0000	2.56	2.55	1.42	13.00	104.0
34	37 13C2-PFHxA	315 > 269.8	5.20e3	1.85e4	0.684	1.0000	3.05	3.05	3.52	5.150	103.0
35	38 13C4-PFHpA	367.2 > 321.8	1.38e4	1.85e4	0.732	1.0000	3.68	3.67	9.35	12.77	102.2
36	39 18O2-PFHxS	403.0 > 102.6	1.31e3	4.41e3	0.318	1.0000	3.80	3.82	3.70	11.61	92.9
37	40 13C2-6:2 FTS	429.1 > 408.9	3.79e3	1.50e4	0.263	1.0000	4.15	4.13	3.16	12.02	96.2
38	41 13C2-PFOA	414.9 > 369.7	1.72e4	1.50e4	1.120	1.0000	4.20	4.19	14.4	12.81	102.5
39	42 13C5-PFNA	468.2 > 422.9	1.50e4	1.73e4	0.921	1.0000	4.65	4.62	10.8	11.78	94.3
40	43 13C8-PFOA	506.1 > 77.7	4.07e3	2.00e4	0.245	1.0000	4.70	4.69	2.55	10.41	83.2
41	44 13C8-PFOS	507.0 > 79.9	3.54e3	3.88e3	1.034	1.0000	4.75	4.71	11.4	11.02	88.2
42	45 13C2-PFDA	515.1 > 469.9	1.53e4	1.42e4	1.080	1.0000	5.03	5.00	13.5	12.46	99.7
43	46 13C2-8:2 FTS	529.1 > 508.7	3.01e3	1.85e4	0.165	1.0000	5.00	4.97	2.04	12.36	98.9
44	47 d3-N-MeFOSAA	573.3 > 419	7.13e3	2.00e4	0.398	1.0000	5.20	5.15	4.46	11.21	89.7
45	48 d5-N-EtFOSAA	589.3 > 419	7.81e3	2.00e4	0.425	1.0000	5.30	5.31	4.88	11.49	91.9
46	49 13C2-PFUdA	565 > 519.8	1.82e4	2.00e4	1.047	1.0000	5.36	5.33	11.4	10.86	86.9
47	50 13C2-PFDoA	615.0 > 569.7	1.76e4	2.00e4	0.805	1.0000	5.65	5.61	11.0	13.68	109.4
48	51 d3-N-MeFOSA	515.2 > 168.9	2.07e4	2.00e4	0.104	1.0000	5.70	5.78	12.9	125.0	83.3
49	52 13C2-PFTeDA	714.8 > 669.6	6.58e3	2.00e4	0.367	1.0000	6.12	6.08	4.12	11.21	89.7
50	53 d5-N-ETFOSA	531.1 > 168.9	3.12e4	2.00e4	0.155	1.0000	6.25	6.17	19.5	126.2	84.2
51	54 13C2-PFHxDA	815 > 769.7	4.80e3	2.00e4	0.721	1.0000	6.46	6.41	3.00	4.158	83.2
52	55 d7-N-MeFOSE	623.1 > 58.9	2.52e4	2.00e4	0.143	1.0000	6.31	6.29	15.8	110.5	73.7
53	56 d9-N-EtFOSE	639.2 > 58.8	2.97e4	2.00e4	0.133	1.0000	6.12	6.44	18.6	140.2	93.4
54	57 13C4-PFBA	217. > 171.8	1.03e4	1.03e4	1.000	1.0000	1.30	1.32	12.5	12.50	100.0
55	58 13C5-PFHxA	318 > 272.9	1.85e4	1.85e4	1.000	1.0000	3.05	3.05	12.5	12.50	100.0
56	59 13C3-PFHxS	401.9 > 79.9	4.41e3	4.41e3	1.000	1.0000	3.80	3.82	12.5	12.50	100.0
57	60 13C8-PFOA	421.3 > 376	1.50e4	1.50e4	1.000	1.0000	4.20	4.19	12.5	12.50	100.0
58	61 13C9-PFNA	472.2 > 426.9	1.73e4	1.73e4	1.000	1.0000	4.65	4.62	12.5	12.50	100.0
59	62 13C4-PFOS	503 > 79.9	3.88e3	3.88e3	1.000	1.0000	4.60	4.71	12.5	12.50	100.0
60	63 13C6-PFDA	519.1 > 473.7	1.42e4	1.42e4	1.000	1.0000	5.03	5.00	12.5	12.50	100.0
61	64 13C7-PFUdA	570.1 > 524.8	2.00e4	2.00e4	1.000	1.0000	5.36	5.33	12.5	12.50	100.0
62	72 13C2-4:2 FTS	329.2>308.9	4.12e3	1.85e4	0.275	1.0000	2.93	2.96	2.79	10.15	81.2

50-150
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Dataset: Untitled

Last Altered: Wednesday, January 31, 2018 12:54:14 Pacific Standard Time

Printed: Wednesday, January 31, 2018 12:54:34 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 09:53:30
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180130M2_1	IPA	30-Jan-18	11:33:07
2	180130M2_2	ST180130M2-1 PFC CS-2 18A1904	30-Jan-18	11:44:38
3	180130M2_3	ST180130M2-2 PFC CS-1 18A1905	30-Jan-18	11:56:07
4	180130M2_4	ST180130M2-3 PFC CS0 18A1906	30-Jan-18	12:07:36
5	180130M2_5	ST180130M2-4 PFC CS1 18A1907	30-Jan-18	12:19:06
6	180130M2_6	ST180130M2-5 PFC CS2 18A1908	30-Jan-18	12:30:35
7	180130M2_7	ST180130M2-6 PFC CS3 18A1909	30-Jan-18	12:42:05
8	180130M2_8	ST180130M2-7 PFC CS4 18A1910	30-Jan-18	12:53:35
9	180130M2_9	ST180130M2-8 PFC CS5 18A1911	30-Jan-18	13:05:04
10	180130M2_10	ST180130M2-9 PFC CS6 18A2403	30-Jan-18	13:16:34
11	180130M2_11	ST180130M2-10 PFC CS7 18A2404	30-Jan-18	13:28:04
12	180130M2_12	IPA	30-Jan-18	13:39:34
13	180130M2_13	ICV180130M2-1 PFC ICV 18A1903	30-Jan-18	13:51:03
14	180130M2_14	IPA	30-Jan-18	14:02:33
15	180130M2_15	1800188-02 REEPDW133FRB 0.11579	30-Jan-18	14:14:05
16	180130M2_16	1800204-03 REEPDW137 0.11904	30-Jan-18	14:25:29
17	180130M2_17	1800204-07 REEPDW513 0.11719	30-Jan-18	14:36:56
18	180130M2_18	B8A0173-BLK1 Method Blank 0.125	30-Jan-18	14:48:23
19	180130M2_19	B8A0173-BS1 OPR 0.125	30-Jan-18	14:59:50
20	180130M2_20	B8A0173-BS2 OPR 0.125	30-Jan-18	15:11:16
21	180130M2_21	B8A0173-BS3 OPR 0.125	30-Jan-18	15:22:44
22	180130M2_22	B8A0173-BS4 OPR 0.125	30-Jan-18	15:34:10
23	180130M2_23	B8A0070-BS1 OPR 0.25	30-Jan-18	15:45:37
24	180130M2_24	B8A0070-BLK1 Method Blank 0.25	30-Jan-18	15:57:07
25	180130M2_25	1800010-01 PFAS Ground Water_Surface Wate...	30-Jan-18	16:08:37
26	180130M2_26	IPA	30-Jan-18	16:20:04
27	180130M2_27	B8A0054-BS1 OPR 1	30-Jan-18	16:31:30
28	180130M2_28	B8A0054-BLK1 Method Blank 1	30-Jan-18	16:42:57
29	180130M2_29	1800011-01 PFAS in Soil Lot#122917C2 1	30-Jan-18	16:54:27
30	180130M2_30	B8A0115-MS1 Matrix Spike 0.25673	30-Jan-18	17:05:57
31	180130M2_31	B8A0115-MSD1@10X Matrix Spike Dup 0.25042	30-Jan-18	17:17:24

Dataset: Untitled

Last Altered: Wednesday, January 31, 2018 12:54:14 Pacific Standard Time

Printed: Wednesday, January 31, 2018 12:54:34 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	180130M2_32	1800121-02 EB01-20180115 0.25066	30-Jan-18	17:28:54
33	180130M2_33	1800121-04 IRSite5-GW-05W06-20180115 0.2...	30-Jan-18	17:40:22
34	180130M2_34	1800121-06 IRSite5-GW-05W01-20180115 0.2...	30-Jan-18	17:51:52
35	180130M2_35	1800121-07 IRSite5-GW-05W03-20180115 0.2...	30-Jan-18	18:03:22
36	180130M2_36	1800121-08 UXOSite14-GW-DPW79A-2018011...	30-Jan-18	18:14:48
37	180130M2_37	1800121-09 UXOSite14-GW-DPW78A-2018011...	30-Jan-18	18:26:15
38	180130M2_38	1800121-10 UXOSite14-GW-DPW77A-2018011...	30-Jan-18	18:37:42
39	180130M2_39	IPA	30-Jan-18	18:49:09
40	180130M2_40	ST180130M2-11 PFC CS3 18A1909	30-Jan-18	19:00:38
41	180130M2_41	IPA	30-Jan-18	19:12:08
42	180130M2_42	1800121-11 IRSite1-GW-01W48A -20180115 0....	30-Jan-18	19:23:37
43	180130M2_43	1800121-12 IRSite1-GW-01W49A- 20180115 0....	30-Jan-18	19:35:04
44	180130M2_44	1800121-13 IRSite1-GW-01W13A- 20180115 0....	30-Jan-18	19:46:34
45	180130M2_45	1800121-14 DUP01-20180115 0.26578	30-Jan-18	19:58:03
46	180130M2_46	1800132-14 PITTS-EB-011118-1400 0.12081	30-Jan-18	20:09:34
47	180130M2_47	B8A0140-BS1 OPR 0.25	30-Jan-18	20:21:00
48	180130M2_48	B8A0140-BSD1 LCSD 0.25	30-Jan-18	20:32:30
49	180130M2_49	B8A0140-BLK1 Method Blank 0.25	30-Jan-18	20:44:00
50	180130M2_50	1800127-01 EB02-20180116 0.27074	30-Jan-18	20:55:29
51	180130M2_51	1800127-02 IRSite1-GW-01W53A-20180116 0....	30-Jan-18	21:06:58
52	180130M2_52	1800127-03 IRSite1-GW-MW80A-20180116 0.2...	30-Jan-18	21:18:25
53	180130M2_53	1800127-04 IRSite1-GW-01W28B-20180116 0....	30-Jan-18	21:29:51
54	180130M2_54	1800127-05 IRSite1-GW-01W38AR-20180116 ...	30-Jan-18	21:41:18
55	180130M2_55	1800127-06 IRSite1-GW-MW86A-20180116 0.2...	30-Jan-18	21:52:45
56	180130M2_56	1800127-07 IRSite1-GW-MW85A-20180116 0.2...	30-Jan-18	22:04:12
57	180130M2_57	1800127-08 DUP02-20180116 0.25425	30-Jan-18	22:15:39
58	180130M2_58	1800127-09 IRSite1-GW-MW82A-20180116 0.2...	30-Jan-18	22:27:06
59	180130M2_59	IPA	30-Jan-18	22:38:33
60	180130M2_60	ST180130M2-12 PFC CS0 18A1906	30-Jan-18	22:50:01
61	180130M2_61	IPA	30-Jan-18	23:01:30
62	180130M2_62	1800139-01 LH-TAP 0.27467	30-Jan-18	23:13:00
63	180130M2_63	1800139-02 LH-RAW 0.27394	30-Jan-18	23:24:27
64	180130M2_64	1701953-01@10X CV-Dup09-20171213 0.2568	30-Jan-18	23:35:57
65	180130M2_65	1701953-10@10X SA-PZ118S-20171213 0.235...	30-Jan-18	23:47:26

Dataset: Untitled

Last Altered: Wednesday, January 31, 2018 12:54:14 Pacific Standard Time

Printed: Wednesday, January 31, 2018 12:54:34 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
66	180130M2_66	IPA	30-Jan-18	23:58:55
67	180130M2_67	B7L0136-BLK1 Method Blank 0.0075	31-Jan-18	00:10:22
68	180130M2_68	B7L0136-BS1 OPR 0.0075	31-Jan-18	00:21:50
69	180130M2_69	B7L0136-BS2 OPR 0.0075	31-Jan-18	00:33:19
70	180130M2_70	B7L0136-BS3 OPR 0.0075	31-Jan-18	00:44:49
71	180130M2_71	B7L0136-BS4 OPR 0.0075	31-Jan-18	00:56:18
72	180130M2_72	B7L0140-BS1 OPR 0.0075	31-Jan-18	01:07:47
73	180130M2_73	B7L0140-BSD1 LCSD 0.0075	31-Jan-18	01:19:13
74	180130M2_74	B7L0140-BLK1 Method Blank 0.0075	31-Jan-18	01:30:42
75	180130M2_75	1701882-02RE1 WI-A06-6-I-01-1217-TOP 0.0075	31-Jan-18	01:42:11
76	180130M2_76	1701882-04RE1 WI-A06-EB01-120517-TOP 0....	31-Jan-18	01:53:42
77	180130M2_77	1701882-06RE1 WI-A06-EB02-120517-TOP 0....	31-Jan-18	02:05:12
78	180130M2_78	1701882-08RE1 WI-A06-EFF01-1217-TOP 0.0...	31-Jan-18	02:16:41
79	180130M2_79	1701882-10RE1 WI-A06-EFF01P-1217-TOP 0....	31-Jan-18	02:28:08
80	180130M2_80	1701882-12RE1 WI-A06-INF01-1217-TOP 0.00...	31-Jan-18	02:39:37
81	180130M2_81	1701882-14RE1 WI-A06-P-4-1217-TOP 0.0075	31-Jan-18	02:51:06
82	180130M2_82	1701882-16RE1 WI-A06-6-I-03-1217-TOP 0.0075	31-Jan-18	03:02:33
83	180130M2_83	IPA	31-Jan-18	03:14:03
84	180130M2_84	ST180130M2-13 PFC CS3 18A1909	31-Jan-18	03:25:32
85	180130M2_85	IPA	31-Jan-18	03:37:02
86	180130M2_86	B8A0165-BS1 OPR 0.25	31-Jan-18	03:48:35
87	180130M2_87	B8A0165-BSD1 LCSD 0.25	31-Jan-18	03:59:59
88	180130M2_88	B8A0165-BLK1 Method Blank 0.25	31-Jan-18	04:11:26
89	180130M2_89	1800186-01 REEPDW132 0.12041	31-Jan-18	04:22:53
90	180130M2_90	1800186-02 REEPDW133 0.12113	31-Jan-18	04:34:22
91	180130M2_91	1800186-03 REEPDW134 0.12099	31-Jan-18	04:45:52
92	180130M2_92	1800196-01 GW1519180119RAP 0.26117	31-Jan-18	04:57:21
93	180130M2_93	1800196-02 GW2529180119RAP 0.26519	31-Jan-18	05:08:48
94	180130M2_94	1800196-03 GW3539180119RAP 0.26249	31-Jan-18	05:20:17
95	180130M2_95	1800207-01 SPLP Solution #1	31-Jan-18	05:31:47
96	180130M2_96	1800207-02 SPLP Solution #2	31-Jan-18	05:43:14
97	180130M2_97	1800207-03 TCLP Solution #1 0.12117	31-Jan-18	05:54:41
98	180130M2_98	1800207-04 TCLP Solution #2 0.12163	31-Jan-18	06:06:08
99	180130M2_99	IPA	31-Jan-18	06:17:37

Dataset: Untitled

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Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
100	180130M2_100	ST180130M2-14 PFC CS3 18A1909	31-Jan-18	06:29:06
101	180130M2_101	IPA	31-Jan-18	06:40:36
102	180130M2_102	B8A0119-BS1 OPR 1	31-Jan-18	06:52:05
103	180130M2_103	B8A0119-BLK1 Method Blank 1	31-Jan-18	07:03:32
104	180130M2_104	B8A0119-MS1 Matrix Spike 1.23	31-Jan-18	07:14:59
105	180130M2_105	B8A0119-MSD1 Matrix Spike Dup 1.13	31-Jan-18	07:26:25
106	180130M2_106	1800098-01 MINNE-09-SB01-010818-00-02 1.16	31-Jan-18	07:37:52
107	180130M2_107	1800098-02 MINNE-09-SB01-010818-16-18 1.17	31-Jan-18	07:49:22
108	180130M2_108	1800098-03 MINNE-09-SB03-010818-01-02 1.21	31-Jan-18	08:00:51
109	180130M2_109	1800098-04 MINNE-09-SB03-010818-15-17 1.13	31-Jan-18	08:12:21
110	180130M2_110	1800098-05 MINNE-10-SB01-010818-00-02 1.3	31-Jan-18	08:23:50
111	180130M2_111	1800098-06 MINNE-10-SB01-010818-09-11 1.13	31-Jan-18	08:35:17
112	180130M2_112	1800098-07 MINNE-10-SB03-010818-00-02 1.29	31-Jan-18	08:46:43
113	180130M2_113	1800098-08 MINNE-10-SB03-010818-15-16 1.22	31-Jan-18	08:58:11
114	180130M2_114	1800098-09 MINNE-10-SB04-010818-01-02 1.16	31-Jan-18	09:09:38
115	180130M2_115	1800098-11 MINNE-SO-DUP01-010818 1.18	31-Jan-18	09:21:06
116	180130M2_116	IPA	31-Jan-18	09:32:33
117	180130M2_117	ST180130M2-15 PFC CS0 18A1906	31-Jan-18	09:44:03
118	180130M2_118	IPA	31-Jan-18	09:55:31
119	180130M2_119	1800098-12 MINNE-SO-DUP02-010818 1.13	31-Jan-18	10:07:01
120	180130M2_120	1800099-01 MINNE-08-SB03-010818-01-02 1.16	31-Jan-18	10:20:17
121	180130M2_121	1800099-02 MINNE-08-SB03-010818-15-17 1.17	31-Jan-18	10:31:40
122	180130M2_122	1800099-03 MINNE-10-SB02-010918-00-02 1.11	31-Jan-18	10:43:07
123	180130M2_123	1800099-04 MINNE-10-SB02-010918-15-17 1.15	31-Jan-18	10:54:34
124	180130M2_124	1800099-05 MINNE-10-SB04-010818-16-18 1.18	31-Jan-18	11:06:01
125	180130M2_125	IPA	31-Jan-18	11:17:30
126	180130M2_126	B8A0148-BS1 OPR 1	31-Jan-18	11:28:58
127	180130M2_127	B8A0148-BLK1 Method Blank 1	31-Jan-18	11:40:29
128	180130M2_128	1800193-01 CANGPFOS20180122 1.11	31-Jan-18	11:51:57
129	180130M2_129	IPA	31-Jan-18	12:03:26
130	180130M2_130	ST180130M2-16 PFC CS3 18A1909	31-Jan-18	12:14:57
131	180130M2_131	IPA	31-Jan-18	12:26:23

Calverton
SDG 1701953

Sample Identification SA-MW126S-20171213

Compound PERFLUORODECANOIC ACID (PFDA)

Sample volume (L) 0.243

Internal standard concentration 1.25

Concentration using quadratic/calibration curve

Area*(IS concentration/IS area) 3.692171
 $1660*(1.25/5620)$

Curve

Calibration curve (y)= $0.0014094*x^2+1.42444*x+0.0195565$

pg 418 of data package

$0.0014094*x^2+1.42444*x+0.0195565=3.692171$

$0.0014094*x^2+1.42444*x-3.6726145=0$

a= 0.0014094

b= 1.42444

c= -3.6726145

$D=1.42444^2-4*-0.0014194*-3.6726145$ 2.049734

SQRT D 1.431689228

$x=-(-1.42444+1.431689228)/(2*-0.0014094)$ 2.5717425

PFDA result Conc = x/wt 10.5833 ng/L

result reported 10.6 ng/L