

ALS Group, USA

Account # 140

USEPA Lab ID WA01276

NPDES ID #

Deb Callahan  
1317 South 13th Avenue  
Kelso WA 98626

Study # QTA

Open Date 01/18/2018

Study Type External PT

Close Date 01/30/2018

| NELAC #     | Component                  | Method Code             | Method Description | Reported Value | AV or Study Mean | Assigned Value | Acceptance Limits Low | Acceptance Limits High | Performance Evaluation | Analysis Date |
|-------------|----------------------------|-------------------------|--------------------|----------------|------------------|----------------|-----------------------|------------------------|------------------------|---------------|
| Part# 38294 | Lot# 110617                | PFOA - Water - PT - DOD |                    |                | 24 components    |                | Invoice# 168293       |                        | Units ug/L             |               |
| 6915        | PFBA (cas# 375-22-4)       | 8698                    | EPA 537 Modified   | 0.401          | 0.401            | .401           | .241                  | .561                   | ACCEPT.                | 01/26/2018    |
| 6914        | PFPeA (cas# 2706-90-3)     | 8698                    | EPA 537 Modified   | 0.440          | 0.450            | .45            | .27                   | .63                    | ACCEPT.                | 01/26/2018    |
| 6913        | PFHxA (cas# 307-24-4)      | 8698                    | EPA 537 Modified   | 0.431          | 0.412            | .412           | .247                  | .577                   | ACCEPT.                | 01/26/2018    |
| 6908        | PFHpA (cas# 375-85-9)      | 8698                    | EPA 537 Modified   | 0.311          | 0.341            | .341           | .205                  | .477                   | ACCEPT.                | 01/26/2018    |
| 6912        | PFOA (cas# 335-67-1)       | 8698                    | EPA 537 Modified   | 0.248          | 0.261            | .261           | .157                  | .365                   | ACCEPT.                | 01/26/2018    |
| 6906        | PFNA (cas# 375-95-1)       | 8698                    | EPA 537 Modified   | 0.357          | 0.331            | .331           | .199                  | .463                   | ACCEPT.                | 01/26/2018    |
| 6905        | PFDA (cas# 335-76-2)       | 8698                    | EPA 537 Modified   | 0.313          | 0.301            | .301           | .181                  | .421                   | ACCEPT.                | 01/26/2018    |
| 6904        | PfUnA (cas# 2058-94-8)     | 8698                    | EPA 537 Modified   | 0.218          | 0.240            | .24            | .144                  | .336                   | ACCEPT.                | 01/26/2018    |
| 6903        | PFDaA (cas# 307-55-1)      | 8698                    | EPA 537 Modified   | 0.261          | 0.271            | .271           | .163                  | .379                   | ACCEPT.                | 01/26/2018    |
| 9563        | PFTrDA (cas# 72629-94-8)   | 8698                    | EPA 537 Modified   | 0.352          | 0.391            | .391           | .235                  | .547                   | ACCEPT.                | 01/26/2018    |
| 6902        | PFTeDA (cas# 376-06-7)     | 8698                    | EPA 537 Modified   | 0.308          | 0.311            | .311           | .187                  | .435                   | ACCEPT.                | 01/26/2018    |
| 6917        | FOSA (cas# 754-91-6)       | 8698                    | EPA 537 Modified   | 0.165          | 0.170            | .17            | .102                  | .238                   | ACCEPT.                | 01/26/2018    |
| n/a         | N-MeFOSAA (cas# 2355-31-9) | 8698                    | EPA 537 Modified   | 0.434          | 0.440            | .44            | .264                  | .616                   | ACCEPT.                | 01/26/2018    |
| n/a         | N-EtFOSAA (cas# 2991-50-6) | 8698                    | EPA 537 Modified   | 0.428          | 0.480            | .48            | .288                  | .672                   | ACCEPT.                | 01/26/2018    |
| 6911        | L-PFBS (cas# 375-73-5)     | 8698                    | EPA 537 Modified   | 0.296          | 0.254            | .254           | .152                  | .356                   | ACCEPT.                | 01/26/2018    |
| 9467        | L-PFPeS                    |                         |                    |                | 0.394            | .394           | .236                  | .552                   | NOT REPORTED           |               |
| n/a         | br-PFHxS (cas# 3871-99-6)  | 8698                    | EPA 537 Modified   | 0.414          | 0.446            | .446           | .268                  | .624                   | ACCEPT.                | 01/26/2018    |
| 9470        | L-PFHpS (cas# 375-92-8)    | 8698                    | EPA 537 Modified   | 0.394          | 0.428            | .428           | .257                  | .599                   | ACCEPT.                | 01/26/2018    |
| 6909        | br-PFOS (cas# 1763-23-1)   | 8698                    | EPA 537 Modified   | 0.326          | 0.371            | .371           | .223                  | .519                   | ACCEPT.                | 01/26/2018    |
| n/a         | L-PFNS (cas# 98789-57-2)   |                         |                    |                | 0.413            | .413           | .248                  | .578                   | NOT REPORTED           |               |
| n/a         | L-PFDS (cas# 2806-15-7)    | 8698                    | EPA 537 Modified   | 0.359          | 0.270            | .27            | .162                  | .378                   | ACCEPT.                | 01/26/2018    |
| 9437        | 4:2 FTS                    | 8698                    | EPA 537 Modified   | 0.331          | 0.364            | .364           | .218                  | .51                    | ACCEPT.                | 01/26/2018    |
| 6457        | 6:2 FTS (cas# 27619-97-2)  | 8698                    | EPA 537 Modified   | 0.300          | 0.322            | .322           | .193                  | .451                   | ACCEPT.                | 01/26/2018    |
| 6461        | 8:2 FTS (cas# 39108-34-4)  | 8698                    | EPA 537 Modified   | 0.297          | 0.354            | .354           | .212                  | .496                   | ACCEPT.                | 01/26/2018    |

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Samples were prepared and scored according to the principles outlined in the "The TNI Standard EL-V3-2009" and the current Fields of Proficiency Testing Tables, FoPTs.

All components are formulated and verified under Absolutes' NELAC scope (ANAB Accreditation ISO 17025, 17043 (Cert.# AP-1543) , Guide 34-35) [as shown in blue font.](#)

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