

## Memorandum

Date: May 6, 2022  
To: The Chemours Company FC, LLC  
From: Geosyntec Consultants of NC, PC  
Subject: Matrix Interference During PFAS Analysis via Method 537 Mod Max

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Geosyntec Consultants of NC, PC (Geosyntec) has prepared this memorandum for The Chemours Company FC, LLC (Chemours) to describe matrix interference observed during the analysis of 70 per- and polyfluoroalkyl substances (PFAS), including 22 Table 3+ PFAS, by the EPA Method 537 Modified Max (“537 Mod Max”; a modified and extended version of EPA Method 537) analytical method. During the analysis of a sample by a given analytical method, the sample matrix refers to all the components of the sample other than the compounds of interest that are being analyzed by the analytical method. The sample matrix can be very complex and can have a considerable effect on the quality of the results obtained, and such effects are called matrix interference. Matrix interference can result in a positive bias (matrix enhancement) or in a negative bias (matrix suppression) of the analytical results. The remainder of this memorandum is organized into the following sections:

- **Background:** Describing identification of matrix interference issues;
- **Scope and Methods:** Describing how the matrix interference issue was assessed;
- **Results:** Describing the results of the assessment;
- **Discussion:** Interpreting the results of the assessment; and
- **Recommendations:** Guidance for use of Method 537 Mod Max and reporting Method 537 Mod Max results.

### BACKGROUND

Matrix interference issues have previously been identified with the Table 3 analytical method that has been used to analyze samples associated with Chemours Fayetteville Works (the Site). These issues result in matrix enhancement of the diprotic Table 3+ PFAS (R-PSDA, R-EVE, and Hydrolyzed PSDA). The matrix enhancement could lead to overestimation of the concentrations of these three PFAS in environmental samples. Another method that is used to analyze some Table 3+ PFAS is the Table 6 method, which was found to reliably quantify PMPA and PEPA with a

lower reporting limit than the Table 3 method (2 nanograms per liter (ng/L) for Table 6; 10 and 20 ng/L, respectively, for Table 3). The Table 6 method was found to have matrix interference that leads to unreliable quantitation of MMF, DFSA, MTP and PFPrA (formerly known as PPF Acid). Note that R-PSDA, R-EVE, and Hydrolyzed PSDA are not on the Table 6 analyte list. It is currently necessary to submit samples for analyses using both the Table 3 and Table 6 methods to analyze a target analyte list of twenty Table 3+ PFAS to a reporting limit of 5 ng/L.

This study is a part of efforts to improve analytical methods available for Table 3+ PFAS by examining the matrix interference associated with analysis by 537 Mod Max. This method analyzes 22 Table 3+ PFAS and 48 other PFAS. (The two additional Table 3+ PFAS included over the Table 3+ method are MTP and PFPrA.) The 537 Mod Max method also has reporting limits for PMPA and PEPA equivalent to the Table 6 method (2 ng/L) and thus has the potential to remove the need for sample analysis by both the Table 3 method and the Table 6 method. This study seeks to examine potential matrix effects in the analysis of samples by the 537 Mod Max method.

## **SCOPE AND METHODS**

The study of matrix interferences in 537 Mod Max was conducted by commissioning a laboratory matrix interference study to systematically analyze the potential for matrix interference. Table 1 provides the full name, common name, and CAS number, if available, for the 22 Table 3+ PFAS compounds included in 537 Mod Max. The matrix interference study was commissioned at Eurofins TestAmerica-Sacramento (TestAmerica), using a Cape Fear River water sample and a groundwater sample as the matrices. The river water was collected from Bladen Bluffs (River Mile 84), while the groundwater was collected from groundwater well PZ-21R on the Site. Both waters were shipped to TestAmerica under chain-of-custody.

537 Mod Max uses two preparation methods to prepare samples for analysis depending on the concentration of the analytes. Low concentration (2 to 400 ng/L) samples are prepared using a Solid Phase Extraction (SPE) method which results in a 25-fold concentration of the analytes. High concentration (250 to 50,000 ng/L) samples are prepared using a Solvent Dilution/Direct Injection (SDI) method which dilutes the samples 5-fold prior to direct injection.

For the river water matrix, six parent samples were prepared: one unamended and five amended. The five amended river water samples were prepared by amending river water with 10, 50, 400, 5,000 and 50,000 ng/L of each of the 537 Mod Max PFAS. The five amended river water parent samples were prepared for analysis at four dilutions: undiluted (1x dilution), 2x dilution, 5x dilution, and 10x dilution. The unamended river water sample and the 10 ng/L and 50 ng/L amended samples (and their dilutions) were prepared for analysis by SPE. For the 400 ng/L

amended sample, two aliquots of each of the dilutions were analyzed with one prepared by SPE and one prepared by SDI. The 5,000 ng/L and 50,000 ng/L amended samples (and their dilutions) were prepared for analysis by SDI. Dilutions of 2.5x and 6.25x were also analyzed for the 400 ng/L amendment (prepared by SPE) and 100x for the 50,000 ng/L amendment (prepared by SDI). A matrix spike sample was prepared and run for each of the above samples and dilutions (with the matrix spike added following any required dilution). For the river water sample, a total of 28 samples and 28 matrix spikes were prepared (see table below).

River Water Amendment	Dilution	Sample Preparation Method	
		Solid Phase Extraction	Solvent Dilution Direct injection
Unamended	1x	yes	--
10 ppt	1x	yes	--
	2x	yes	--
	5x	yes	--
	10x	yes	--
50 ppt	1x	yes	--
	2x	yes	--
	5x	yes	--
	10x	yes	--
400 ppt	1x	yes	yes
	2x	yes	yes
	2.5x	yes	--
	5x	yes	yes
	6.25x	yes	--
	10x	yes	yes
5,000 ppt	1x	--	yes
	2x	--	yes
	5x	--	yes
	10x	--	yes
50,000 ppt	1x	--	yes
	2x	--	yes
	5x	--	yes
	10x	--	yes
	100x	--	yes

For the groundwater matrix, four parent samples were prepared: one unamended and three amended. The three amended groundwater samples were prepared by amending groundwater with 400 ng/L, 5,000 and 50,000 ng/L of each of the 537 Mod Max PFAS. The unamended groundwater sample was prepared for analysis using SPE. The 400 ng/L amended groundwater was prepared for analysis at four dilutions: undiluted (1x dilution), 2.5x dilution, 6.25x dilution, and 10x dilution, each of which were prepared using SPE. The 400 ng/L, 5,000 ng/L, and 50,000 ng/L amended groundwaters were each prepared at two dilutions: undiluted (1x dilution) and 5x dilution and prepared for analysis by SDI. The 50,000 ng/L amended groundwater was also diluted 100x and prepared for analysis by SDI. A matrix spike sample was also prepared for each of the above amendments and dilutions of groundwater with the matrix spike added following dilution. For the groundwater sample, a total of 12 samples and 12 matrix spikes were prepared (see table below).

Groundwater Amendment	Dilution	Sample Preparation Method	
		Solid Phase Extraction	Solvent Dilution Direct injection
Unamended	1x	yes	--
400 ppt	1x	yes	yes
	2.5x	yes	--
	5x	--	yes
	6.25x	yes	--
	10x	yes	--
5,000 ppt	1x	--	yes
	5x	--	yes
50,000 ppt	1x	--	yes
	5x	--	yes
	100x	--	yes

The matrix spike recoveries were examined to assess matrix interference (Table 2). Additionally, the measured concentrations in the samples were compared to expected concentrations (Table 3).

## RESULTS

The percent recovery of the matrix spikes for each of the samples in the study (Table 2) for each of the Table 3+ compounds in 537 Mod Max was plotted in Figures 1a to 1v. Only those samples where the measured concentration in the corresponding sample was at least four times the matrix spike concentration such that the matrix spike recovery can be accurately measured are plotted and discussed in the results. The ideal recovery of a compound in a matrix spike is 100%, with a range of 70-130% typically considered acceptable.

### Diprotic Table 3+ PFAS

For R-PSDA, Hydrolyzed PSDA and R-EVE, matrix spikes are over-recovered in samples prepared using SPE, which may concentrate matrix components, with higher recoveries observed in the less-diluted samples:

- For R-PSDA, the matrix spike recoveries for each dilution ranged from:
  - In the undiluted samples – 706 to 724% with SPE;
  - In the 2x diluted samples – 462 to 500% with SPE;
  - In the 5x diluted samples – 371 to 385% with SPE; and
  - In the 10x diluted samples – 205 to 239% with SPE.
  
- For R-EVE, the matrix spike recoveries for each dilution ranged from:
  - In the undiluted samples – 462 to 522% with SPE;
  - In the 2x diluted samples – 368 to 400% with SPE;
  - In the 5x diluted samples – 282 to 287% with SPE; and

- In the 10x diluted samples – 105 to 217% with SPE.
- For Hydrolyzed PSDA, the matrix spike recoveries for each dilution ranged from:
  - In the undiluted samples – 196 to 207% with SPE;
  - In the 2x diluted samples – 174 to 178% with SPE;
  - In the 5x diluted samples – 134 to 158% with SPE; and
  - In the 10x diluted samples – 96 to 156% with SPE.

The recoveries of R-PSDA, Hydrolyzed PSDA and R-EVE in samples prepared using SDI, which dilutes the sample matrix by at least 5-fold in the sample dilution step and does not concentrate any matrix components, were all acceptable and in the range from 70-130%. However, the SDI sample preparation results in analyte reporting limits of approximately 25 to 300 ng/L.

Similar results were obtained when the percent of the expected result that was obtained for the amended water samples with SPE, where R-PSDA, R-EVE, and Hydrolyzed PSDA were over-recovered (Figure 2a to 2v):

- For R-PSDA, the percent of the expected concentration that was measured with SPE ranged from:
  - In the undiluted samples – 473 to 516% with river water, 200% with groundwater;
  - In the 2x diluted samples – 373 to 492% with river water;
  - In the 2.5x diluted samples – 319% with river water, 133% with groundwater;
  - In the 5x diluted samples – 260 to 344% with river water;
  - In the 6.25x diluted samples – 319% with river water, 162% with groundwater; and
  - In the 10x diluted samples – 195 to 334% with river water, 114% with groundwater.
- For R-EVE, the percent of the expected concentration that was measured ranged from:
  - In the undiluted samples – 342 to 409% with river water, 190% with groundwater;
  - In the 2x diluted samples – 273 to 394% with river water;
  - In the 2.5x diluted samples – 246% with river water, 127% with groundwater;
  - In the 5x diluted samples – 233 to 252% with river water;
  - In the 6.25x diluted samples – 221% with river water, 175% with groundwater; and
  - In the 10x diluted samples – 194 to 228% with river water, 151% with groundwater.
- For Hydrolyzed PSDA, the percent of the expected concentration that was measured ranged from:

- In the undiluted samples – 166 to 202% with river water, 191% with groundwater;
- In the 2x diluted samples – 159 to 210% with river water;
- In the 2.5x diluted samples – 188% with river water, 167% with groundwater;
- In the 5x diluted samples – 124 to 156% with river water;
- In the 6.25x diluted samples – 148% with river water, 151% with groundwater;  
and
- In the 10x diluted samples – 124 to 154% with river water, 139% with groundwater.

The measured concentrations for R-PSDA, R-EVE, and Hydrolyzed PSDA in amended samples that were prepared using the SDI sample preparation were occasionally under-recovered relative to the expected concentrations. However, this under-recovery is likely due to overestimation of the concentration in the unamended samples due to the matrix effects observed with SPE extraction.

#### Other Table 3+ PFAS

For low concentrations of MTP extracted by SPE, the percent of the expected concentration that is measured is positively biased, but the bias increases with increasing dilution. This may be due to measurement uncertainty in these low concentrations. (The chromatograms are dropping into a valley between MTP and some other close eluting compound giving a peak, meaning the integration of MTP needs to be manually reviewed).

- For MTP, the percent of the expected concentration that was measured was:
  - 1400% for 10 ng/L amended river water diluted in 10x;
  - 530% for 10 ng/L amended river water diluted in 5x;
  - 210% for 10 ng/L amended river water diluted in 2x; and
  - 130% for 10 ng/L amended river water diluted in 1x.

For the remaining 19 Table 3+ PFAS analyzed by 537 Mod Max, all matrix spike recoveries were between 70 and 130%, with only a few exceptions. Thirteen out of 604 matrix spike recovery values were outside the 70-130% recovery criteria: 9 were between 50 and 150%, 1 was 49%, and 3 were between 150 and 161%. None of these exceedances are considered excessive or systematic.

The 537 Mod Max analytical method can report 48 PFAS in addition to the 22 Table 3+ PFAS. The results for these 48 PFAS are provided in Appendix A and will not be further discussed in this memo.

## **DISCUSSION**

For most Table 3+ PFAS and other PFAS, acceptable matrix spike recoveries and percentages of the expected concentration were obtained. Most compounds were found to have acceptable recoveries of matrix spikes in unamended and amended samples and measurement of the expected concentration in amended samples. The compounds for which issues were identified in the matrix recovery study are discussed further below.

Over-recovery was observed for R-PSDA, Hydrolyzed PSDA, R-EVE in terms of both matrix spike recovery and measuring a percentage of the expected concentration with sample amendment. These effects were greater with more concentrated sample matrix in the SPE sample preparation method and more pronounced with river water than groundwater. Over-recovery of these analytes was also found with the Table 3+ analytical method (Geosyntec 2020) and may be due to the diprotic nature of these compounds, although the cause is not fully understood.

MTP was over-recovered in low concentration (approximately 5 ng/L or less) samples. The chromatograms for these low concentration MTP samples show early, closely eluting compounds that may occasionally interfere with the integration of MTP. If the presence of this interference is apparent in chromatograms, data affected by it should be qualified.

## **RECOMMENDATIONS**

This matrix interference memo shows that the 537 Mod Max method provides acceptable results for Table 3+ analytes (with the exception of R-PSDA, Hydrolyzed PSDA and R-EVE, which continue to exhibit significant matrix interference issues and are discussed further below) along with the advantage of reporting limits that are lower for PMPA and PEPA (2 ng/L) than the Table 3+ method (10 ng/L and 20 ng/L, respectively). The 537 Mod Max method can be used in place of the Table 6 Method in obtaining reporting limits for PMPA and PEPA of 5 ng/L. Because it also provides quantification of 20 other Table 3+ PFAS to a reporting limit of 5 ng/L, the 537 Mod Max method can also be used in place of the combination of the Table 3+ method (analysis of 20 Table 3+ PFAS, but with PMPA and PEPA reporting limits above 5 ng/L) plus the Table 6 method (PMPA and PEPA reporting limits below 5 ng/L, but analysis of only 6 Table 3+ PFAS). .

PFPrA and MTP, two Table 3+ PFAS that are not on the Table 3+ method analyte list, have been incorporated into the 537 Mod Max method. PFPrA performed acceptably in this matrix interference study and so it appears that 537 Mod Max is the first method available that will enable accurate quantification of PFPrA in water samples. MTP shows occasional co-elution with an unidentified compound in river water and groundwater which may result in occasional over-

estimation of MTP concentration at very low concentrations (around 5 ng/L or less); these data would receive a data validation qualifier.

Over-recovery of the diprotic Table 3+ PFAS (R-PSDA, Hydrolyzed PSDA, and R-EVE) was observed with SPE sample preparation in the 537 Mod Max method. Thus, data generated with 537 Mod Max using SPE sample preparation, which is generally necessary for the required low reporting limits, should be considered likely overestimates for these compounds. Chemours will continue to explore alternative means of analyzing these 3 diprotic PFAS. If the summing of the 22 Table 3+ compounds in 537 Mod Max is to be performed, it should be done with and without the R-PSDA, Hydrolyzed PSDA, and R-EVE. The sum including these 3 compounds is likely to overestimate the true sum.

Geosyntec recommends that Chemours can use the 537 Mod Max method interchangeably with the Table 3+ method and the Table 6 method to quantitate Table 3+ PFAS in aqueous samples. The selection of the analytical method should be based on the data quality objectives associated with the samples (e.g., required analytes, required reporting limits).

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#### **Attachments**

Table 1: Names and CAS Numbers for Compounds in the Matrix Interference Study

Table 2: Matrix Spike Recoveries for Table 3+ PFAS

Table 3: Measured Versus Expected Concentrations for Table 3+ PFAS

Figure 1a to 1v: Matrix Spike Recoveries for Table 3+ PFAS

Figure 2a to 2v: Percent of Expected Concentration Measured in Amended Samples for Table 3+ PFAS

Appendix A: Matrix Interference During Method 537 Mod Max Analysis for Non-Table 3+ PFAS



**TABLE 1**  
**NAMES AND CAS NUMBERS FOR COMPOUNDS IN THE**  
**537MM MATRIX INTERFERENCE STUDY**  
**Chemours Fayetteville Works, North Carolina**

Abbreviation	Chemical Name	CASRN
EVE Acid	2,2,3,3-tetrafluoro-3-({1,1,1,2,3,3-hexafluoro-3-[(1,2,2-trifluoroethenyl)oxy]propan-2-yl}oxy)propionic acid	69087-46-3
HFPO-DA	Hexafluoropropylene oxide dimer acid	13252-13-6
Hydro-EVE Acid	2,2,3,3-tetrafluoro-3-({1,1,1,2,3,3-hexafluoro-3-[(1,2,2,2-tetrafluoroethyl)oxy]propan-2-yl}oxy)propionic acid	773804-62-9
Hydrolyzed PSDA	Acetic acid, 2-fluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2-tetrafluoro-2-sulfoethoxy)propoxy]-	2416366-19-1
Hydro-PS Acid	Ethanesulfonic acid, 2-[1-[difluoro(1,2,2,2-tetrafluoroethoxy)methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-	749836-20-2
MTP	3-Methoxy-2,2,3,3-tetrafluoropropanoic acid	93449-21-9
NVHOS	1,1,2,2,4,5,5,5-heptafluoro-3-oxapentanesulfonic acid	801209-99-4
PEPA	Perfluoro-2-ethoxypropionic acid	267239-61-2
PES	Perfluoro-2-ethoxyethanesulfonic acid	113507-82-7
PFECA B	Perfluoro-3,6-dioxaheptanoic acid	151772-58-6
PFECA-G	Perfluoro-4-isopropoxybutanoic acid	801212-59-9
PFMOAA	Perfluoro-2-methoxyacetic acid	674-13-5
PFO2HxA	Perfluoro-3,5-dioxaheptanoic acid	39492-88-1
PFO3OA	Perfluoro-3,5,7-trioxaoctanoic acid	39492-89-2
PFO4DA	Perfluoro-3,5,7,9-tetraoxadecanoic acid	39492-90-5
PFO5DA	Perfluoro-3,5,7,9,11-pentaoxadodecanoic acid	39492-91-6
PMPA	Perfluoro-2-methoxypropionic acid	13140-29-9
PFPrA (formerly known as PPF Acid)	Perfluoropropionic acid	422-64-0
PS Acid	Ethanesulfonic acid, 2-[1-[difluoro[(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-	29311-67-9
R-EVE	Pentanoic acid, 4-(2-carboxy-1,1,2,2-tetrafluoroethoxy)-2,2,3,3,4,5,5,5-octafluoro-	2416366-22-6
R-PSDA	Pentanoic acid, 2,2,3,3,4,5,5,5-octafluoro-4-(1,1,2,2-tetrafluoro-2-sulfoethoxy)-	2416366-18-0
R-PSDCA	Ethanesulfonic acid, 1,1,2,2-tetrafluoro-2-[1,2,2,3,3-pentafluoro-1-(trifluoromethyl)propoxy]-	2416366-21-5

*Notes:*

CASRN - Chemical Abstracts Service (CAS) Registry Number

537MM - USEPA Method 537Mod Max

**TABLE 2**  
**MATRIX SPIKE RECOVERIES FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
R-PSDA	SPE	River Water	0 ng/L	1x	6.9	39.8	288	706
R-PSDA	SPE	River Water	10 ng/L	1x	80	40	369	724
R-PSDA	SPE	River Water	10 ng/L	2x	63	80	463	500
R-PSDA	SPE	River Water	10 ng/L	5x	44	200	813	385
R-PSDA	SPE	River Water	10 ng/L	10x	33	400	854	205
R-PSDA	SPE	River Water	50 ng/L	1x	270	40	504	--
R-PSDA	SPE	River Water	50 ng/L	2x	280	80	650	462
R-PSDA	SPE	River Water	50 ng/L	5x	180	200	923	371
R-PSDA	SPE	River Water	50 ng/L	10x	190	400	1040	213
R-PSDA	SPE	River Water	400 ng/L	1x	2100	40	2170	--
R-PSDA	SPE	River Water	400 ng/L	2.5x	1300	100	1710	--
R-PSDA	SPE	River Water	400 ng/L	2x	1600	80	2000	--
R-PSDA	SPE	River Water	400 ng/L	5x	1400	200	1850	--
R-PSDA	SPE	River Water	400 ng/L	6.25x	1300	250	1970	--
R-PSDA	SPE	River Water	400 ng/L	10x	1100	400	2050	239
R-PSDA	SPE	Groundwater	0 ng/L	1x	1200	35.6	1360	--
R-PSDA	SPE	Groundwater	400 ng/L	1x	2100	40	2160	--
R-PSDA	SPE	Groundwater	400 ng/L	2.5x	1400	100	1520	--
R-PSDA	SPE	Groundwater	400 ng/L	6.25x	1700	250	2220	--
R-PSDA	SPE	Groundwater	400 ng/L	10x	1400	400	2190	209
R-PSDA	SDI	River Water	400 ng/L	1x	360	5000	4650	86
R-PSDA	SDI	River Water	400 ng/L	2x	340	10000	8910	86
R-PSDA	SDI	River Water	400 ng/L	5x	360	25000	21400	84
R-PSDA	SDI	River Water	400 ng/L	10x	<350	50000	42400	85
R-PSDA	SDI	River Water	5000 ng/L	1x	4800	5000	9890	102
R-PSDA	SDI	River Water	5000 ng/L	2x	4800	10000	12900	80
R-PSDA	SDI	River Water	5000 ng/L	5x	4100	25000	24300	81
R-PSDA	SDI	River Water	5000 ng/L	10x	4200	50000	48700	89
R-PSDA	SDI	River Water	50000 ng/L	1x	43000	5000	46100	--
R-PSDA	SDI	River Water	50000 ng/L	2x	50000	10000	45400	--
R-PSDA	SDI	River Water	50000 ng/L	5x	39000	25000	59700	84
R-PSDA	SDI	River Water	50000 ng/L	10x	35000	50000	82900	96
R-PSDA	SDI	River Water	50000 ng/L	100x	29000	500000	474000	89
R-PSDA	SDI	Groundwater	400 ng/L	1x	420	5000	3930	70
R-PSDA	SDI	Groundwater	400 ng/L	5x	360	25000	19400	76
R-PSDA	SDI	Groundwater	5000 ng/L	1x	4000	5000	8330	88
R-PSDA	SDI	Groundwater	5000 ng/L	5x	4000	25000	24100	80
R-PSDA	SDI	Groundwater	50000 ng/L	1x	62000	5000	51800	--
R-PSDA	SDI	Groundwater	50000 ng/L	5x	33000	25000	56800	95
R-PSDA	SDI	Groundwater	50000 ng/L	100x	33000	500000	427000	79
R-EVE	SPE	River Water	0 ng/L	1x	2.7	39.8	187	462
R-EVE	SPE	River Water	10 ng/L	1x	52	40	261	522
R-EVE	SPE	River Water	10 ng/L	2x	50	80	344	368
R-EVE	SPE	River Water	10 ng/L	5x	32	200	596	282
R-EVE	SPE	River Water	10 ng/L	10x	28	400	805	194
R-EVE	SPE	River Water	50 ng/L	1x	180	40	320	--
R-EVE	SPE	River Water	50 ng/L	2x	170	80	494	400
R-EVE	SPE	River Water	50 ng/L	5x	130	200	701	287
R-EVE	SPE	River Water	50 ng/L	10x	120	400	989	217
R-EVE	SPE	River Water	400 ng/L	1x	1400	40	1530	--
R-EVE	SPE	River Water	400 ng/L	2.5x	990	100	1150	--
R-EVE	SPE	River Water	400 ng/L	2x	1100	80	1380	--
R-EVE	SPE	River Water	400 ng/L	5x	940	200	1310	--
R-EVE	SPE	River Water	400 ng/L	6.25x	1100	250	1790	--
R-EVE	SPE	River Water	400 ng/L	10x	780	400	1480	176
R-EVE	SPE	Groundwater	0 ng/L	1x	230	35.6	322	--
R-EVE	SPE	Groundwater	400 ng/L	1x	1200	40	1330	--
R-EVE	SPE	Groundwater	400 ng/L	2.5x	800	100	1080	--
R-EVE	SPE	Groundwater	400 ng/L	6.25x	1100	250	1560	--
R-EVE	SPE	Groundwater	400 ng/L	10x	1100	400	1560	105
R-EVE	SDI	River Water	400 ng/L	1x	340	5000	5510	103
R-EVE	SDI	River Water	400 ng/L	2x	380	10000	10400	100
R-EVE	SDI	River Water	400 ng/L	5x	310	25000	25600	101
R-EVE	SDI	River Water	400 ng/L	10x	<390	50000	49000	98
R-EVE	SDI	River Water	5000 ng/L	1x	4800	5000	10600	116

**TABLE 2**  
**MATRIX SPIKE RECOVERIES FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
R-EVE	SDI	River Water	5000 ng/L	2x	4800	10000	13200	84
R-EVE	SDI	River Water	5000 ng/L	5x	4400	25000	27200	91
R-EVE	SDI	River Water	5000 ng/L	10x	4100	50000	58100	108
R-EVE	SDI	River Water	50000 ng/L	1x	39000	5000	46100	--
R-EVE	SDI	River Water	50000 ng/L	2x	48000	10000	52500	--
R-EVE	SDI	River Water	50000 ng/L	5x	38000	25000	60900	91
R-EVE	SDI	River Water	50000 ng/L	10x	35000	50000	83900	97
R-EVE	SDI	River Water	50000 ng/L	100x	34000	500000	503000	94
R-EVE	SDI	Groundwater	400 ng/L	1x	400	5000	4350	79
R-EVE	SDI	Groundwater	400 ng/L	5x	350	25000	20600	81
R-EVE	SDI	Groundwater	5000 ng/L	1x	3900	5000	8490	91
R-EVE	SDI	Groundwater	5000 ng/L	5x	4100	25000	25700	86
R-EVE	SDI	Groundwater	50000 ng/L	1x	53000	5000	50900	--
R-EVE	SDI	Groundwater	50000 ng/L	5x	35000	25000	54600	78
R-EVE	SDI	Groundwater	50000 ng/L	100x	34000	500000	472000	88
Hydrolyzed PSDA	SPE	River Water	0 ng/L	1x	4.5	39.8	82.5	196
Hydrolyzed PSDA	SPE	River Water	10 ng/L	1x	24	40	104	200
Hydrolyzed PSDA	SPE	River Water	10 ng/L	2x	23	80	162	174
Hydrolyzed PSDA	SPE	River Water	10 ng/L	5x	18	200	327	154
Hydrolyzed PSDA	SPE	River Water	10 ng/L	10x	18	400	562	136
Hydrolyzed PSDA	SPE	River Water	50 ng/L	1x	110	40	190	207
Hydrolyzed PSDA	SPE	River Water	50 ng/L	2x	92	80	234	178
Hydrolyzed PSDA	SPE	River Water	50 ng/L	5x	78	200	394	158
Hydrolyzed PSDA	SPE	River Water	50 ng/L	10x	84	400	662	145
Hydrolyzed PSDA	SPE	River Water	400 ng/L	1x	790	40	909	--
Hydrolyzed PSDA	SPE	River Water	400 ng/L	2.5x	760	100	1030	--
Hydrolyzed PSDA	SPE	River Water	400 ng/L	2x	850	80	957	--
Hydrolyzed PSDA	SPE	River Water	400 ng/L	5x	630	200	897	134
Hydrolyzed PSDA	SPE	River Water	400 ng/L	6.25x	600	250	1030	171
Hydrolyzed PSDA	SPE	River Water	400 ng/L	10x	560	400	1190	156
Hydrolyzed PSDA	SPE	Groundwater	0 ng/L	1x	25	35.6	96	199
Hydrolyzed PSDA	SPE	Groundwater	400 ng/L	1x	810	40	900	--
Hydrolyzed PSDA	SPE	Groundwater	400 ng/L	2.5x	710	100	722	--
Hydrolyzed PSDA	SPE	Groundwater	400 ng/L	6.25x	630	250	806	71
Hydrolyzed PSDA	SPE	Groundwater	400 ng/L	10x	770	400	1150	96
Hydrolyzed PSDA	SDI	River Water	400 ng/L	1x	370	5000	5250	98
Hydrolyzed PSDA	SDI	River Water	400 ng/L	2x	370	10000	10200	99
Hydrolyzed PSDA	SDI	River Water	400 ng/L	5x	370	25000	23300	92
Hydrolyzed PSDA	SDI	River Water	400 ng/L	10x	380	50000	47300	94
Hydrolyzed PSDA	SDI	River Water	5000 ng/L	1x	5400	5000	10700	106
Hydrolyzed PSDA	SDI	River Water	5000 ng/L	2x	5400	10000	14300	90
Hydrolyzed PSDA	SDI	River Water	5000 ng/L	5x	4800	25000	26900	89
Hydrolyzed PSDA	SDI	River Water	5000 ng/L	10x	4900	50000	56100	102
Hydrolyzed PSDA	SDI	River Water	50000 ng/L	1x	43000	5000	47500	--
Hydrolyzed PSDA	SDI	River Water	50000 ng/L	2x	56000	10000	50500	--
Hydrolyzed PSDA	SDI	River Water	50000 ng/L	5x	40000	25000	63100	93
Hydrolyzed PSDA	SDI	River Water	50000 ng/L	10x	37000	50000	84000	94
Hydrolyzed PSDA	SDI	River Water	50000 ng/L	100x	35000	500000	472000	87
Hydrolyzed PSDA	SDI	Groundwater	400 ng/L	1x	350	5000	4430	82
Hydrolyzed PSDA	SDI	Groundwater	400 ng/L	5x	350	25000	21500	85
Hydrolyzed PSDA	SDI	Groundwater	5000 ng/L	1x	4300	5000	9360	101
Hydrolyzed PSDA	SDI	Groundwater	5000 ng/L	5x	4600	25000	25800	85
Hydrolyzed PSDA	SDI	Groundwater	50000 ng/L	1x	65000	5000	57800	--
Hydrolyzed PSDA	SDI	Groundwater	50000 ng/L	5x	38000	25000	58800	85
Hydrolyzed PSDA	SDI	Groundwater	50000 ng/L	100x	39000	500000	458000	84
MTP	SPE	River Water	0 ng/L	1x	<2	39.8	35.7	90
MTP	SPE	River Water	10 ng/L	1x	13	40	40.7	70
MTP	SPE	River Water	10 ng/L	2x	21	80	87.8	84
MTP	SPE	River Water	10 ng/L	5x	53	200	257	102
MTP	SPE	River Water	10 ng/L	10x	140	400	477	84
MTP	SPE	River Water	50 ng/L	1x	43	40	71.2	71
MTP	SPE	River Water	50 ng/L	2x	52	80	127	94
MTP	SPE	River Water	50 ng/L	5x	110	200	268	79
MTP	SPE	River Water	50 ng/L	10x	98	400	467	92
MTP	SPE	River Water	400 ng/L	1x	220	40	222	--

**TABLE 2**  
**MATRIX SPIKE RECOVERIES FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
MTP	SPE	River Water	400 ng/L	2.5x	340	100	457	115
MTP	SPE	River Water	400 ng/L	2x	300	80	389	105
MTP	SPE	River Water	400 ng/L	5x	340	200	511	85
MTP	SPE	River Water	400 ng/L	6.25x	310	250	566	101
MTP	SPE	River Water	400 ng/L	10x	400	400	686	73
MTP	SPE	Groundwater	0 ng/L	1x	53	35.6	86	94
MTP	SPE	Groundwater	400 ng/L	1x	590	40	596	--
MTP	SPE	Groundwater	400 ng/L	2.5x	530	100	609	--
MTP	SPE	Groundwater	400 ng/L	6.25x	610	250	804	78
MTP	SPE	Groundwater	400 ng/L	10x	770	400	1060	71
MTP	SDI	River Water	400 ng/L	1x	330	5000	4630	86
MTP	SDI	River Water	400 ng/L	2x	280	10000	8480	82
MTP	SDI	River Water	400 ng/L	5x	300	25000	20100	79
MTP	SDI	River Water	400 ng/L	10x	300	50000	41000	81
MTP	SDI	River Water	5000 ng/L	1x	4100	5000	8420	87
MTP	SDI	River Water	5000 ng/L	2x	4400	10000	12500	80
MTP	SDI	River Water	5000 ng/L	5x	4200	25000	24800	83
MTP	SDI	River Water	5000 ng/L	10x	4100	50000	52900	98
MTP	SDI	River Water	50000 ng/L	1x	35000	5000	46900	--
MTP	SDI	River Water	50000 ng/L	2x	33000	10000	44500	113
MTP	SDI	River Water	50000 ng/L	5x	38000	25000	57500	79
MTP	SDI	River Water	50000 ng/L	10x	35000	50000	76700	84
MTP	SDI	River Water	50000 ng/L	100x	33000	500000	431000	80
MTP	SDI	Groundwater	400 ng/L	1x	260	5000	4490	85
MTP	SDI	Groundwater	400 ng/L	5x	270	25000	23900	94
MTP	SDI	Groundwater	5000 ng/L	1x	3500	5000	8850	106
MTP	SDI	Groundwater	5000 ng/L	5x	4200	25000	27200	92
MTP	SDI	Groundwater	50000 ng/L	1x	28000	5000	43800	--
MTP	SDI	Groundwater	50000 ng/L	5x	38000	25000	61800	96
MTP	SDI	Groundwater	50000 ng/L	100x	40000	500000	502000	92
EVE Acid	SPE	River Water	0 ng/L	1x	<2	39.8	32	80
EVE Acid	SPE	River Water	10 ng/L	1x	8.2	40	39.8	79
EVE Acid	SPE	River Water	10 ng/L	2x	8.3	80	70.4	78
EVE Acid	SPE	River Water	10 ng/L	5x	7.4	200	152	72
EVE Acid	SPE	River Water	10 ng/L	10x	7.4	400	326	80
EVE Acid	SPE	River Water	50 ng/L	1x	38	40	71.9	84
EVE Acid	SPE	River Water	50 ng/L	2x	41	80	102	77
EVE Acid	SPE	River Water	50 ng/L	5x	36	200	179	72
EVE Acid	SPE	River Water	50 ng/L	10x	39	400	329	72
EVE Acid	SPE	River Water	400 ng/L	1x	250	40	260	--
EVE Acid	SPE	River Water	400 ng/L	2.5x	240	100	323	80
EVE Acid	SPE	River Water	400 ng/L	2x	250	80	300	68
EVE Acid	SPE	River Water	400 ng/L	5x	300	200	488	93
EVE Acid	SPE	River Water	400 ng/L	6.25x	310	250	484	71
EVE Acid	SPE	River Water	400 ng/L	10x	280	400	610	82
EVE Acid	SPE	Groundwater	0 ng/L	1x	8.2	35.6	37.8	83
EVE Acid	SPE	Groundwater	400 ng/L	1x	320	40	338	--
EVE Acid	SPE	Groundwater	400 ng/L	2.5x	330	100	409	78
EVE Acid	SPE	Groundwater	400 ng/L	6.25x	300	250	504	83
EVE Acid	SPE	Groundwater	400 ng/L	10x	280	400	595	78
EVE Acid	SDI	River Water	400 ng/L	1x	340	5000	4660	86
EVE Acid	SDI	River Water	400 ng/L	2x	330	10000	9000	87
EVE Acid	SDI	River Water	400 ng/L	5x	340	25000	21700	85
EVE Acid	SDI	River Water	400 ng/L	10x	<500	50000	42500	85
EVE Acid	SDI	River Water	5000 ng/L	1x	4300	5000	8730	88
EVE Acid	SDI	River Water	5000 ng/L	2x	4400	10000	12700	83
EVE Acid	SDI	River Water	5000 ng/L	5x	4300	25000	26100	87
EVE Acid	SDI	River Water	5000 ng/L	10x	4400	50000	53800	99
EVE Acid	SDI	River Water	50000 ng/L	1x	38000	5000	37200	--
EVE Acid	SDI	River Water	50000 ng/L	2x	33000	10000	44500	118
EVE Acid	SDI	River Water	50000 ng/L	5x	33000	25000	56500	92
EVE Acid	SDI	River Water	50000 ng/L	10x	36000	50000	74900	78
EVE Acid	SDI	River Water	50000 ng/L	100x	31000	500000	433000	80
EVE Acid	SDI	Groundwater	400 ng/L	1x	340	5000	4660	86
EVE Acid	SDI	Groundwater	400 ng/L	5x	340	25000	23200	91

**TABLE 2**  
**MATRIX SPIKE RECOVERIES FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
EVE Acid	SDI	Groundwater	5000 ng/L	1x	4600	5000	8320	75
EVE Acid	SDI	Groundwater	5000 ng/L	5x	3800	25000	24400	83
EVE Acid	SDI	Groundwater	50000 ng/L	1x	28000	5000	30100	--
EVE Acid	SDI	Groundwater	50000 ng/L	5x	35000	25000	54700	77
EVE Acid	SDI	Groundwater	50000 ng/L	100x	33000	500000	443000	82
HFPO-DA	SPE	River Water	0 ng/L	1x	9.3	36.9	50.7	112
HFPO-DA	SPE	River Water	10 ng/L	1x	19	37	65.6	127
HFPO-DA	SPE	River Water	10 ng/L	2x	20	74.1	103	111
HFPO-DA	SPE	River Water	10 ng/L	5x	19	185	233	115
HFPO-DA	SPE	River Water	10 ng/L	10x	17	370	446	116
HFPO-DA	SPE	River Water	50 ng/L	1x	68	37	112	119
HFPO-DA	SPE	River Water	50 ng/L	2x	66	74.1	146	108
HFPO-DA	SPE	River Water	50 ng/L	5x	62	185	263	109
HFPO-DA	SPE	River Water	50 ng/L	10x	63	370	512	121
HFPO-DA	SPE	River Water	400 ng/L	1x	460	37	472	--
HFPO-DA	SPE	River Water	400 ng/L	2.5x	440	92.6	563	--
HFPO-DA	SPE	River Water	400 ng/L	2x	440	74.1	545	--
HFPO-DA	SPE	River Water	400 ng/L	5x	440	185	666	120
HFPO-DA	SPE	River Water	400 ng/L	6.25x	450	231	731	121
HFPO-DA	SPE	River Water	400 ng/L	10x	430	370	890	126
HFPO-DA	SPE	Groundwater	0 ng/L	1x	2500	32.9	2760	--
HFPO-DA	SPE	Groundwater	400 ng/L	1x	3100	37	2900	--
HFPO-DA	SPE	Groundwater	400 ng/L	2.5x	3200	92.6	3360	--
HFPO-DA	SPE	Groundwater	400 ng/L	6.25x	3100	231	3430	--
HFPO-DA	SPE	Groundwater	400 ng/L	10x	3200	370	3430	--
HFPO-DA	SDI	River Water	400 ng/L	1x	440	4630	5520	110
HFPO-DA	SDI	River Water	400 ng/L	2x	410	9260	11100	115
HFPO-DA	SDI	River Water	400 ng/L	5x	<940	23100	26900	116
HFPO-DA	SDI	River Water	400 ng/L	10x	<1900	46300	51500	111
HFPO-DA	SDI	River Water	5000 ng/L	1x	5600	4630	10200	98
HFPO-DA	SDI	River Water	5000 ng/L	2x	5900	9260	15800	106
HFPO-DA	SDI	River Water	5000 ng/L	5x	5500	23100	31200	111
HFPO-DA	SDI	River Water	5000 ng/L	10x	5500	46300	64800	128
HFPO-DA	SDI	River Water	50000 ng/L	1x	46000	4630	51800	--
HFPO-DA	SDI	River Water	50000 ng/L	2x	46000	9260	57500	--
HFPO-DA	SDI	River Water	50000 ng/L	5x	43000	23100	74600	135
HFPO-DA	SDI	River Water	50000 ng/L	10x	44000	46300	93200	106
HFPO-DA	SDI	River Water	50000 ng/L	100x	44000	463000	578000	115
HFPO-DA	SDI	Groundwater	400 ng/L	1x	3200	4630	8220	108
HFPO-DA	SDI	Groundwater	400 ng/L	5x	3200	23100	28400	109
HFPO-DA	SDI	Groundwater	5000 ng/L	1x	8100	4630	13000	107
HFPO-DA	SDI	Groundwater	5000 ng/L	5x	8200	23100	32300	104
HFPO-DA	SDI	Groundwater	50000 ng/L	1x	51000	4630	55200	--
HFPO-DA	SDI	Groundwater	50000 ng/L	5x	49000	23100	76900	122
HFPO-DA	SDI	Groundwater	50000 ng/L	100x	48000	463000	555000	110
Hydro-EVE Acid	SPE	River Water	0 ng/L	1x	<2	39.8	44.7	112
Hydro-EVE Acid	SPE	River Water	10 ng/L	1x	12	40	54.7	106
Hydro-EVE Acid	SPE	River Water	10 ng/L	2x	12	80	94.2	103
Hydro-EVE Acid	SPE	River Water	10 ng/L	5x	9.9	200	219	105
Hydro-EVE Acid	SPE	River Water	10 ng/L	10x	9.8	400	458	112
Hydro-EVE Acid	SPE	River Water	50 ng/L	1x	58	40	98.6	102
Hydro-EVE Acid	SPE	River Water	50 ng/L	2x	52	80	138	107
Hydro-EVE Acid	SPE	River Water	50 ng/L	5x	52	200	282	115
Hydro-EVE Acid	SPE	River Water	50 ng/L	10x	52	400	485	108
Hydro-EVE Acid	SPE	River Water	400 ng/L	1x	420	40	434	--
Hydro-EVE Acid	SPE	River Water	400 ng/L	2.5x	430	100	479	--
Hydro-EVE Acid	SPE	River Water	400 ng/L	2x	390	80	549	--
Hydro-EVE Acid	SPE	River Water	400 ng/L	5x	380	200	641	128
Hydro-EVE Acid	SPE	River Water	400 ng/L	6.25x	400	250	693	115
Hydro-EVE Acid	SPE	River Water	400 ng/L	10x	410	400	858	112
Hydro-EVE Acid	SPE	Groundwater	0 ng/L	1x	40	35.6	74	95
Hydro-EVE Acid	SPE	Groundwater	400 ng/L	1x	480	40	493	--
Hydro-EVE Acid	SPE	Groundwater	400 ng/L	2.5x	480	100	572	--
Hydro-EVE Acid	SPE	Groundwater	400 ng/L	6.25x	440	250	740	119
Hydro-EVE Acid	SPE	Groundwater	400 ng/L	10x	470	400	879	101

**TABLE 2**  
**MATRIX SPIKE RECOVERIES FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
Hydro-EVE Acid	SDI	River Water	400 ng/L	1x	400	5000	5880	110
Hydro-EVE Acid	SDI	River Water	400 ng/L	2x	360	10000	10900	105
Hydro-EVE Acid	SDI	River Water	400 ng/L	5x	330	25000	25200	100
Hydro-EVE Acid	SDI	River Water	400 ng/L	10x	330	50000	51600	103
Hydro-EVE Acid	SDI	River Water	5000 ng/L	1x	5100	5000	10400	106
Hydro-EVE Acid	SDI	River Water	5000 ng/L	2x	5200	10000	14500	93
Hydro-EVE Acid	SDI	River Water	5000 ng/L	5x	5200	25000	31600	106
Hydro-EVE Acid	SDI	River Water	5000 ng/L	10x	4500	50000	64500	120
Hydro-EVE Acid	SDI	River Water	50000 ng/L	1x	45000	5000	52400	--
Hydro-EVE Acid	SDI	River Water	50000 ng/L	2x	44000	10000	55300	--
Hydro-EVE Acid	SDI	River Water	50000 ng/L	5x	42000	25000	69900	112
Hydro-EVE Acid	SDI	River Water	50000 ng/L	10x	46000	50000	87000	82
Hydro-EVE Acid	SDI	River Water	50000 ng/L	100x	41000	500000	547000	101
Hydro-EVE Acid	SDI	Groundwater	400 ng/L	1x	450	5000	5580	102
Hydro-EVE Acid	SDI	Groundwater	400 ng/L	5x	430	25000	26300	104
Hydro-EVE Acid	SDI	Groundwater	5000 ng/L	1x	4800	5000	10900	121
Hydro-EVE Acid	SDI	Groundwater	5000 ng/L	5x	4700	25000	32200	110
Hydro-EVE Acid	SDI	Groundwater	50000 ng/L	1x	44000	5000	48200	--
Hydro-EVE Acid	SDI	Groundwater	50000 ng/L	5x	44000	25000	70900	107
Hydro-EVE Acid	SDI	Groundwater	50000 ng/L	100x	45000	500000	590000	109
Hydro-PS Acid	SPE	River Water	0 ng/L	1x	<2	39.8	45	111
Hydro-PS Acid	SPE	River Water	10 ng/L	1x	12	40	53.8	103
Hydro-PS Acid	SPE	River Water	10 ng/L	2x	12	80	96.7	106
Hydro-PS Acid	SPE	River Water	10 ng/L	5x	10	200	221	105
Hydro-PS Acid	SPE	River Water	10 ng/L	10x	11	400	435	106
Hydro-PS Acid	SPE	River Water	50 ng/L	1x	58	40	107	123
Hydro-PS Acid	SPE	River Water	50 ng/L	2x	51	80	139	110
Hydro-PS Acid	SPE	River Water	50 ng/L	5x	48	200	277	115
Hydro-PS Acid	SPE	River Water	50 ng/L	10x	48	400	480	108
Hydro-PS Acid	SPE	River Water	400 ng/L	1x	440	40	407	--
Hydro-PS Acid	SPE	River Water	400 ng/L	2.5x	400	100	464	--
Hydro-PS Acid	SPE	River Water	400 ng/L	2x	390	80	541	--
Hydro-PS Acid	SPE	River Water	400 ng/L	5x	390	200	639	126
Hydro-PS Acid	SPE	River Water	400 ng/L	6.25x	380	250	672	118
Hydro-PS Acid	SPE	River Water	400 ng/L	10x	380	400	858	120
Hydro-PS Acid	SPE	Groundwater	0 ng/L	1x	220	35.6	243	--
Hydro-PS Acid	SPE	Groundwater	400 ng/L	1x	630	40	670	--
Hydro-PS Acid	SPE	Groundwater	400 ng/L	2.5x	670	100	750	--
Hydro-PS Acid	SPE	Groundwater	400 ng/L	6.25x	600	250	923	129
Hydro-PS Acid	SPE	Groundwater	400 ng/L	10x	620	400	1010	97
Hydro-PS Acid	SDI	River Water	400 ng/L	1x	350	5000	5540	104
Hydro-PS Acid	SDI	River Water	400 ng/L	2x	280	10000	9830	95
Hydro-PS Acid	SDI	River Water	400 ng/L	5x	<280	25000	25400	102
Hydro-PS Acid	SDI	River Water	400 ng/L	10x	<550	50000	50000	100
Hydro-PS Acid	SDI	River Water	5000 ng/L	1x	4400	5000	9550	102
Hydro-PS Acid	SDI	River Water	5000 ng/L	2x	4700	10000	13900	91
Hydro-PS Acid	SDI	River Water	5000 ng/L	5x	4700	25000	29000	97
Hydro-PS Acid	SDI	River Water	5000 ng/L	10x	4200	50000	60900	114
Hydro-PS Acid	SDI	River Water	50000 ng/L	1x	47000	5000	49800	--
Hydro-PS Acid	SDI	River Water	50000 ng/L	2x	43000	10000	53700	--
Hydro-PS Acid	SDI	River Water	50000 ng/L	5x	41000	25000	69900	116
Hydro-PS Acid	SDI	River Water	50000 ng/L	10x	42000	50000	85200	87
Hydro-PS Acid	SDI	River Water	50000 ng/L	100x	37000	500000	547000	102
Hydro-PS Acid	SDI	Groundwater	400 ng/L	1x	600	5000	5550	99
Hydro-PS Acid	SDI	Groundwater	400 ng/L	5x	550	25000	25100	98
Hydro-PS Acid	SDI	Groundwater	5000 ng/L	1x	4700	5000	10100	108
Hydro-PS Acid	SDI	Groundwater	5000 ng/L	5x	4100	25000	30400	105
Hydro-PS Acid	SDI	Groundwater	50000 ng/L	1x	42000	5000	48100	--
Hydro-PS Acid	SDI	Groundwater	50000 ng/L	5x	44000	25000	68000	97
Hydro-PS Acid	SDI	Groundwater	50000 ng/L	100x	44000	500000	594000	110
NVHOS	SPE	River Water	0 ng/L	1x	<3	39.8	41.6	98
NVHOS	SPE	River Water	10 ng/L	1x	12	40	65.5	133
NVHOS	SPE	River Water	10 ng/L	2x	9.9	80	90.2	100
NVHOS	SPE	River Water	10 ng/L	5x	8.8	200	181	86
NVHOS	SPE	River Water	10 ng/L	10x	<13	400	349	87

**TABLE 2**  
**MATRIX SPIKE RECOVERIES FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
NVHOS	SPE	River Water	50 ng/L	1x	52	40	92.5	102
NVHOS	SPE	River Water	50 ng/L	2x	36	80	115	99
NVHOS	SPE	River Water	50 ng/L	5x	37	200	205	84
NVHOS	SPE	River Water	50 ng/L	10x	44	400	414	93
NVHOS	SPE	River Water	400 ng/L	1x	390	40	458	--
NVHOS	SPE	River Water	400 ng/L	2.5x	410	100	617	--
NVHOS	SPE	River Water	400 ng/L	2x	430	80	523	--
NVHOS	SPE	River Water	400 ng/L	5x	280	200	471	97
NVHOS	SPE	River Water	400 ng/L	6.25x	430	250	696	106
NVHOS	SPE	River Water	400 ng/L	10x	280	400	673	97
NVHOS	SPE	Groundwater	0 ng/L	1x	43	35.6	72.5	82
NVHOS	SPE	Groundwater	400 ng/L	1x	460	40	537	--
NVHOS	SPE	Groundwater	400 ng/L	2.5x	350	100	431	86
NVHOS	SPE	Groundwater	400 ng/L	6.25x	360	250	537	70
NVHOS	SPE	Groundwater	400 ng/L	10x	310	400	617	77
NVHOS	SDI	River Water	400 ng/L	1x	260	5000	4020	75
NVHOS	SDI	River Water	400 ng/L	2x	<330	10000	9070	91
NVHOS	SDI	River Water	400 ng/L	5x	<810	25000	22300	89
NVHOS	SDI	River Water	400 ng/L	10x	<1600	50000	46600	93
NVHOS	SDI	River Water	5000 ng/L	1x	4300	5000	8950	94
NVHOS	SDI	River Water	5000 ng/L	2x	4600	10000	12400	78
NVHOS	SDI	River Water	5000 ng/L	5x	4000	25000	24000	80
NVHOS	SDI	River Water	5000 ng/L	10x	3800	50000	51000	94
NVHOS	SDI	River Water	50000 ng/L	1x	32000	5000	39000	--
NVHOS	SDI	River Water	50000 ng/L	2x	44000	10000	42200	--
NVHOS	SDI	River Water	50000 ng/L	5x	35000	25000	75100	161
NVHOS	SDI	River Water	50000 ng/L	10x	33000	50000	74100	82
NVHOS	SDI	River Water	50000 ng/L	100x	30000	500000	427000	79
NVHOS	SDI	Groundwater	400 ng/L	1x	330	5000	4580	85
NVHOS	SDI	Groundwater	400 ng/L	5x	<810	25000	21500	86
NVHOS	SDI	Groundwater	5000 ng/L	1x	4000	5000	8210	83
NVHOS	SDI	Groundwater	5000 ng/L	5x	3700	25000	26600	92
NVHOS	SDI	Groundwater	50000 ng/L	1x	43000	5000	48300	--
NVHOS	SDI	Groundwater	50000 ng/L	5x	31000	25000	52400	86
NVHOS	SDI	Groundwater	50000 ng/L	100x	36000	500000	475000	88
PEPA	SPE	River Water	0 ng/L	1x	2.9	39.8	46.6	110
PEPA	SPE	River Water	10 ng/L	1x	14	40	57.6	109
PEPA	SPE	River Water	10 ng/L	2x	13	80	102	111
PEPA	SPE	River Water	10 ng/L	5x	13	200	243	115
PEPA	SPE	River Water	10 ng/L	10x	12	400	434	105
PEPA	SPE	River Water	50 ng/L	1x	60	40	99.8	99
PEPA	SPE	River Water	50 ng/L	2x	57	80	140	103
PEPA	SPE	River Water	50 ng/L	5x	51	200	276	112
PEPA	SPE	River Water	50 ng/L	10x	51	400	501	113
PEPA	SPE	River Water	400 ng/L	1x	400	40	426	--
PEPA	SPE	River Water	400 ng/L	2.5x	390	100	549	156
PEPA	SPE	River Water	400 ng/L	2x	400	80	475	--
PEPA	SPE	River Water	400 ng/L	5x	420	200	623	102
PEPA	SPE	River Water	400 ng/L	6.25x	430	250	659	94
PEPA	SPE	River Water	400 ng/L	10x	380	400	851	117
PEPA	SPE	Groundwater	0 ng/L	1x	860	35.6	1010	--
PEPA	SPE	Groundwater	400 ng/L	1x	1400	40	1380	--
PEPA	SPE	Groundwater	400 ng/L	2.5x	1500	100	1500	--
PEPA	SPE	Groundwater	400 ng/L	6.25x	1300	250	1590	--
PEPA	SPE	Groundwater	400 ng/L	10x	1200	400	1600	93
PEPA	SDI	River Water	400 ng/L	1x	430	5000	5330	98
PEPA	SDI	River Water	400 ng/L	2x	400	10000	10600	102
PEPA	SDI	River Water	400 ng/L	5x	430	25000	28200	111
PEPA	SDI	River Water	400 ng/L	10x	<600	50000	49800	100
PEPA	SDI	River Water	5000 ng/L	1x	4900	5000	9860	99
PEPA	SDI	River Water	5000 ng/L	2x	5700	10000	15200	96
PEPA	SDI	River Water	5000 ng/L	5x	5400	25000	32400	108
PEPA	SDI	River Water	5000 ng/L	10x	5300	50000	64200	118
PEPA	SDI	River Water	50000 ng/L	1x	43000	5000	49200	--
PEPA	SDI	River Water	50000 ng/L	2x	47000	10000	56500	--

**TABLE 2**  
**MATRIX SPIKE RECOVERIES FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
PEPA	SDI	River Water	50000 ng/L	5x	41000	25000	66600	101
PEPA	SDI	River Water	50000 ng/L	10x	44000	50000	86300	84
PEPA	SDI	River Water	50000 ng/L	100x	36000	500000	574000	108
PEPA	SDI	Groundwater	400 ng/L	1x	1400	5000	6720	107
PEPA	SDI	Groundwater	400 ng/L	5x	1500	25000	30700	117
PEPA	SDI	Groundwater	5000 ng/L	1x	6600	5000	11700	102
PEPA	SDI	Groundwater	5000 ng/L	5x	6100	25000	31900	103
PEPA	SDI	Groundwater	50000 ng/L	1x	43000	5000	47700	--
PEPA	SDI	Groundwater	50000 ng/L	5x	47000	25000	69100	89
PEPA	SDI	Groundwater	50000 ng/L	100x	44000	500000	562000	104
PES	SPE	River Water	0 ng/L	1x	<2	32.8	41.5	126
PES	SPE	River Water	10 ng/L	1x	10	33	44.4	104
PES	SPE	River Water	10 ng/L	2x	9.9	65.9	79.6	106
PES	SPE	River Water	10 ng/L	5x	9.3	165	199	115
PES	SPE	River Water	10 ng/L	10x	8.8	330	393	116
PES	SPE	River Water	50 ng/L	1x	55	33	92.1	112
PES	SPE	River Water	50 ng/L	2x	55	65.9	132	116
PES	SPE	River Water	50 ng/L	5x	50	165	250	121
PES	SPE	River Water	50 ng/L	10x	52	330	394	104
PES	SPE	River Water	400 ng/L	1x	400	33	408	--
PES	SPE	River Water	400 ng/L	2.5x	380	82.4	483	--
PES	SPE	River Water	400 ng/L	2x	400	65.9	457	--
PES	SPE	River Water	400 ng/L	5x	410	165	603	117
PES	SPE	River Water	400 ng/L	6.25x	410	206	652	119
PES	SPE	River Water	400 ng/L	10x	410	330	792	117
PES	SPE	Groundwater	0 ng/L	1x	<2	29.3	34.7	118
PES	SPE	Groundwater	400 ng/L	1x	410	33	423	--
PES	SPE	Groundwater	400 ng/L	2.5x	440	82.4	473	--
PES	SPE	Groundwater	400 ng/L	6.25x	410	206	652	116
PES	SPE	Groundwater	400 ng/L	10x	400	330	790	118
PES	SDI	River Water	400 ng/L	1x	390	4120	4970	111
PES	SDI	River Water	400 ng/L	2x	400	8240	9640	112
PES	SDI	River Water	400 ng/L	5x	410	20600	24400	116
PES	SDI	River Water	400 ng/L	10x	430	41200	47200	114
PES	SDI	River Water	5000 ng/L	1x	4900	4120	9290	106
PES	SDI	River Water	5000 ng/L	2x	5000	8240	14900	120
PES	SDI	River Water	5000 ng/L	5x	5300	20600	28700	114
PES	SDI	River Water	5000 ng/L	10x	4900	41200	56800	126
PES	SDI	River Water	50000 ng/L	1x	45000	4120	45600	--
PES	SDI	River Water	50000 ng/L	2x	42000	8240	51600	--
PES	SDI	River Water	50000 ng/L	5x	42000	20600	62100	97
PES	SDI	River Water	50000 ng/L	10x	41000	41200	93100	127
PES	SDI	River Water	50000 ng/L	100x	41000	412000	490000	109
PES	SDI	Groundwater	400 ng/L	1x	400	4120	5070	113
PES	SDI	Groundwater	400 ng/L	5x	410	20600	22900	109
PES	SDI	Groundwater	5000 ng/L	1x	5300	4120	9600	104
PES	SDI	Groundwater	5000 ng/L	5x	4800	20600	28100	113
PES	SDI	Groundwater	50000 ng/L	1x	43000	4120	45000	--
PES	SDI	Groundwater	50000 ng/L	5x	44000	20600	61900	89
PES	SDI	Groundwater	50000 ng/L	100x	41000	412000	521000	116
PFECA-G	SPE	River Water	0 ng/L	1x	<2	39.8	33	83
PFECA-G	SPE	River Water	10 ng/L	1x	8.5	40	42	84
PFECA-G	SPE	River Water	10 ng/L	2x	8.5	80	70.1	77
PFECA-G	SPE	River Water	10 ng/L	5x	7.1	200	179	86
PFECA-G	SPE	River Water	10 ng/L	10x	7.9	400	348	85
PFECA-G	SPE	River Water	50 ng/L	1x	41	40	72.8	79
PFECA-G	SPE	River Water	50 ng/L	2x	45	80	107	78
PFECA-G	SPE	River Water	50 ng/L	5x	42	200	200	79
PFECA-G	SPE	River Water	50 ng/L	10x	42	400	362	80
PFECA-G	SPE	River Water	400 ng/L	1x	390	40	421	--
PFECA-G	SPE	River Water	400 ng/L	2.5x	430	100	497	--
PFECA-G	SPE	River Water	400 ng/L	2x	440	80	545	--
PFECA-G	SPE	River Water	400 ng/L	5x	300	200	445	74
PFECA-G	SPE	River Water	400 ng/L	6.25x	310	250	510	78
PFECA-G	SPE	River Water	400 ng/L	10x	320	400	694	93



**TABLE 2**  
**MATRIX SPIKE RECOVERIES FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
PFECA-G	SPE	Groundwater	0 ng/L	1x	<2	35.6	26.5	74
PFECA-G	SPE	Groundwater	400 ng/L	1x	470	40	485	--
PFECA-G	SPE	Groundwater	400 ng/L	2.5x	470	100	603	--
PFECA-G	SPE	Groundwater	400 ng/L	6.25x	400	250	529	54
PFECA-G	SPE	Groundwater	400 ng/L	10x	330	400	665	83
PFECA-G	SDI	River Water	400 ng/L	1x	350	5000	4570	84
PFECA-G	SDI	River Water	400 ng/L	2x	320	10000	8990	87
PFECA-G	SDI	River Water	400 ng/L	5x	270	25000	22300	88
PFECA-G	SDI	River Water	400 ng/L	10x	370	50000	38400	76
PFECA-G	SDI	River Water	5000 ng/L	1x	4500	5000	8410	77
PFECA-G	SDI	River Water	5000 ng/L	2x	4000	10000	12800	88
PFECA-G	SDI	River Water	5000 ng/L	5x	4300	25000	23500	77
PFECA-G	SDI	River Water	5000 ng/L	10x	3900	50000	50400	93
PFECA-G	SDI	River Water	50000 ng/L	1x	30000	5000	36400	--
PFECA-G	SDI	River Water	50000 ng/L	2x	47000	10000	41300	--
PFECA-G	SDI	River Water	50000 ng/L	5x	39000	25000	56600	71
PFECA-G	SDI	River Water	50000 ng/L	10x	34000	50000	75200	82
PFECA-G	SDI	River Water	50000 ng/L	100x	33000	500000	409000	75
PFECA-G	SDI	Groundwater	400 ng/L	1x	320	5000	4470	83
PFECA-G	SDI	Groundwater	400 ng/L	5x	370	25000	22100	87
PFECA-G	SDI	Groundwater	5000 ng/L	1x	4200	5000	8390	83
PFECA-G	SDI	Groundwater	5000 ng/L	5x	4300	25000	28300	96
PFECA-G	SDI	Groundwater	50000 ng/L	1x	39000	5000	45700	--
PFECA-G	SDI	Groundwater	50000 ng/L	5x	36000	25000	57800	87
PFECA-G	SDI	Groundwater	50000 ng/L	100x	36000	500000	450000	83
PFECA B	SPE	River Water	0 ng/L	1x	<2	36.9	43.3	117
PFECA B	SPE	River Water	10 ng/L	1x	9.4	37	51.4	113
PFECA B	SPE	River Water	10 ng/L	2x	12	74.1	88.6	104
PFECA B	SPE	River Water	10 ng/L	5x	10	185	243	125
PFECA B	SPE	River Water	10 ng/L	10x	8.9	370	402	106
PFECA B	SPE	River Water	50 ng/L	1x	60	37	99.1	105
PFECA B	SPE	River Water	50 ng/L	2x	52	74.1	152	135
PFECA B	SPE	River Water	50 ng/L	5x	58	185	250	104
PFECA B	SPE	River Water	50 ng/L	10x	59	370	520	125
PFECA B	SPE	River Water	400 ng/L	1x	450	37	454	--
PFECA B	SPE	River Water	400 ng/L	2.5x	450	92.6	594	--
PFECA B	SPE	River Water	400 ng/L	2x	440	74.1	592	--
PFECA B	SPE	River Water	400 ng/L	5x	410	185	607	104
PFECA B	SPE	River Water	400 ng/L	6.25x	510	231	739	98
PFECA B	SPE	River Water	400 ng/L	10x	450	370	899	121
PFECA B	SPE	Groundwater	0 ng/L	1x	<2	32.9	35.9	109
PFECA B	SPE	Groundwater	400 ng/L	1x	530	37	474	--
PFECA B	SPE	Groundwater	400 ng/L	2.5x	430	92.6	524	--
PFECA B	SPE	Groundwater	400 ng/L	6.25x	460	231	749	127
PFECA B	SPE	Groundwater	400 ng/L	10x	400	370	880	129
PFECA B	SDI	River Water	400 ng/L	1x	420	4630	5780	116
PFECA B	SDI	River Water	400 ng/L	2x	470	9260	11500	120
PFECA B	SDI	River Water	400 ng/L	5x	420	23100	28600	122
PFECA B	SDI	River Water	400 ng/L	10x	<780	46300	51300	111
PFECA B	SDI	River Water	5000 ng/L	1x	5700	4630	10200	97
PFECA B	SDI	River Water	5000 ng/L	2x	5500	9260	15700	110
PFECA B	SDI	River Water	5000 ng/L	5x	5900	23100	30000	104
PFECA B	SDI	River Water	5000 ng/L	10x	5600	46300	61600	121
PFECA B	SDI	River Water	50000 ng/L	1x	46000	4630	61300	--
PFECA B	SDI	River Water	50000 ng/L	2x	50000	9260	62700	--
PFECA B	SDI	River Water	50000 ng/L	5x	47000	23100	69400	98
PFECA B	SDI	River Water	50000 ng/L	10x	47000	46300	92800	99
PFECA B	SDI	River Water	50000 ng/L	100x	45000	463000	511000	101
PFECA B	SDI	Groundwater	400 ng/L	1x	450	4630	5290	105
PFECA B	SDI	Groundwater	400 ng/L	5x	480	23100	25900	110
PFECA B	SDI	Groundwater	5000 ng/L	1x	6200	4630	11100	106
PFECA B	SDI	Groundwater	5000 ng/L	5x	5100	23100	28600	101
PFECA B	SDI	Groundwater	50000 ng/L	1x	48000	4630	54200	--
PFECA B	SDI	Groundwater	50000 ng/L	5x	47000	23100	68200	93
PFECA B	SDI	Groundwater	50000 ng/L	100x	46000	463000	576000	114

**TABLE 2**  
**MATRIX SPIKE RECOVERIES FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
PFMOAA	SPE	River Water	0 ng/L	1x	22	39.8	67.1	112
PFMOAA	SPE	River Water	10 ng/L	1x	34	40	80.2	116
PFMOAA	SPE	River Water	10 ng/L	2x	34	80	116	103
PFMOAA	SPE	River Water	10 ng/L	5x	28	200	225	99
PFMOAA	SPE	River Water	10 ng/L	10x	26	400	411	96
PFMOAA	SPE	River Water	50 ng/L	1x	73	40	122	121
PFMOAA	SPE	River Water	50 ng/L	2x	69	80	156	108
PFMOAA	SPE	River Water	50 ng/L	5x	58	200	276	109
PFMOAA	SPE	River Water	50 ng/L	10x	68	400	494	107
PFMOAA	SPE	River Water	400 ng/L	1x	430	40	454	--
PFMOAA	SPE	River Water	400 ng/L	2.5x	410	100	543	--
PFMOAA	SPE	River Water	400 ng/L	2x	400	80	521	--
PFMOAA	SPE	River Water	400 ng/L	5x	390	200	626	116
PFMOAA	SPE	River Water	400 ng/L	6.25x	430	250	666	96
PFMOAA	SPE	River Water	400 ng/L	10x	360	400	749	98
PFMOAA	SPE	Groundwater	0 ng/L	1x	1200	35.6	1220	--
PFMOAA	SPE	Groundwater	400 ng/L	1x	1600	40	1640	--
PFMOAA	SPE	Groundwater	400 ng/L	2.5x	1500	100	1780	--
PFMOAA	SPE	Groundwater	400 ng/L	6.25x	1500	250	1700	--
PFMOAA	SPE	Groundwater	400 ng/L	10x	1400	400	1780	91
PFMOAA	SDI	River Water	400 ng/L	1x	310	5000	5030	94
PFMOAA	SDI	River Water	400 ng/L	2x	330	10000	10300	99
PFMOAA	SDI	River Water	400 ng/L	5x	350	25000	26300	104
PFMOAA	SDI	River Water	400 ng/L	10x	<510	50000	51900	104
PFMOAA	SDI	River Water	5000 ng/L	1x	4400	5000	9670	106
PFMOAA	SDI	River Water	5000 ng/L	2x	4400	10000	14400	100
PFMOAA	SDI	River Water	5000 ng/L	5x	4600	25000	27800	93
PFMOAA	SDI	River Water	5000 ng/L	10x	4100	50000	53800	99
PFMOAA	SDI	River Water	50000 ng/L	1x	41000	5000	44600	--
PFMOAA	SDI	River Water	50000 ng/L	2x	41000	10000	50800	--
PFMOAA	SDI	River Water	50000 ng/L	5x	35000	25000	61000	104
PFMOAA	SDI	River Water	50000 ng/L	10x	37000	50000	84900	96
PFMOAA	SDI	River Water	50000 ng/L	100x	30000	500000	482000	90
PFMOAA	SDI	Groundwater	400 ng/L	1x	1300	5000	6410	102
PFMOAA	SDI	Groundwater	400 ng/L	5x	1200	25000	23500	89
PFMOAA	SDI	Groundwater	5000 ng/L	1x	5100	5000	11100	119
PFMOAA	SDI	Groundwater	5000 ng/L	5x	4700	25000	26400	87
PFMOAA	SDI	Groundwater	50000 ng/L	1x	43000	5000	47500	--
PFMOAA	SDI	Groundwater	50000 ng/L	5x	41000	25000	61100	80
PFMOAA	SDI	Groundwater	50000 ng/L	100x	31000	500000	491000	92
PFO2HxA	SPE	River Water	0 ng/L	1x	8.5	39.8	49.1	102
PFO2HxA	SPE	River Water	10 ng/L	1x	17	40	54.7	95
PFO2HxA	SPE	River Water	10 ng/L	2x	19	80	98	98
PFO2HxA	SPE	River Water	10 ng/L	5x	17	200	222	102
PFO2HxA	SPE	River Water	10 ng/L	10x	18	400	401	96
PFO2HxA	SPE	River Water	50 ng/L	1x	52	40	96.3	110
PFO2HxA	SPE	River Water	50 ng/L	2x	55	80	129	92
PFO2HxA	SPE	River Water	50 ng/L	5x	57	200	243	93
PFO2HxA	SPE	River Water	50 ng/L	10x	50	400	472	106
PFO2HxA	SPE	River Water	400 ng/L	1x	410	40	441	--
PFO2HxA	SPE	River Water	400 ng/L	2.5x	420	100	587	--
PFO2HxA	SPE	River Water	400 ng/L	2x	400	80	550	--
PFO2HxA	SPE	River Water	400 ng/L	5x	370	200	590	108
PFO2HxA	SPE	River Water	400 ng/L	6.25x	380	250	555	72
PFO2HxA	SPE	River Water	400 ng/L	10x	350	400	739	98
PFO2HxA	SPE	Groundwater	0 ng/L	1x	3100	35.6	2830	--
PFO2HxA	SPE	Groundwater	400 ng/L	1x	3700	40	3400	--
PFO2HxA	SPE	Groundwater	400 ng/L	2.5x	4200	100	4130	--
PFO2HxA	SPE	Groundwater	400 ng/L	6.25x	3800	250	4010	--
PFO2HxA	SPE	Groundwater	400 ng/L	10x	2800	400	3110	--
PFO2HxA	SDI	River Water	400 ng/L	1x	380	5000	4950	91
PFO2HxA	SDI	River Water	400 ng/L	2x	360	10000	10900	106
PFO2HxA	SDI	River Water	400 ng/L	5x	390	25000	25700	101
PFO2HxA	SDI	River Water	400 ng/L	10x	<690	50000	47200	94
PFO2HxA	SDI	River Water	5000 ng/L	1x	4400	5000	8400	79

**TABLE 2**  
**MATRIX SPIKE RECOVERIES FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
PFO2HxA	SDI	River Water	5000 ng/L	2x	4900	10000	14000	92
PFO2HxA	SDI	River Water	5000 ng/L	5x	4700	25000	27900	93
PFO2HxA	SDI	River Water	5000 ng/L	10x	4400	50000	56700	105
PFO2HxA	SDI	River Water	50000 ng/L	1x	39000	5000	43100	--
PFO2HxA	SDI	River Water	50000 ng/L	2x	47000	10000	45500	--
PFO2HxA	SDI	River Water	50000 ng/L	5x	32000	25000	58100	106
PFO2HxA	SDI	River Water	50000 ng/L	10x	36000	50000	77100	83
PFO2HxA	SDI	River Water	50000 ng/L	100x	33000	500000	515000	96
PFO2HxA	SDI	Groundwater	400 ng/L	1x	2900	5000	7850	100
PFO2HxA	SDI	Groundwater	400 ng/L	5x	3100	25000	26800	95
PFO2HxA	SDI	Groundwater	5000 ng/L	1x	7100	5000	11800	95
PFO2HxA	SDI	Groundwater	5000 ng/L	5x	6900	25000	30200	93
PFO2HxA	SDI	Groundwater	50000 ng/L	1x	46000	5000	46700	--
PFO2HxA	SDI	Groundwater	50000 ng/L	5x	36000	25000	56900	84
PFO2HxA	SDI	Groundwater	50000 ng/L	100x	41000	500000	503000	92
PFO3OA	SPE	River Water	0 ng/L	1x	<2	39.8	43.6	106
PFO3OA	SPE	River Water	10 ng/L	1x	12	40	50	94
PFO3OA	SPE	River Water	10 ng/L	2x	14	80	87.9	92
PFO3OA	SPE	River Water	10 ng/L	5x	10	200	231	111
PFO3OA	SPE	River Water	10 ng/L	10x	13	400	418	101
PFO3OA	SPE	River Water	50 ng/L	1x	62	40	93.1	79
PFO3OA	SPE	River Water	50 ng/L	2x	54	80	142	110
PFO3OA	SPE	River Water	50 ng/L	5x	58	200	263	103
PFO3OA	SPE	River Water	50 ng/L	10x	65	400	518	113
PFO3OA	SPE	River Water	400 ng/L	1x	510	40	524	--
PFO3OA	SPE	River Water	400 ng/L	2.5x	460	100	615	--
PFO3OA	SPE	River Water	400 ng/L	2x	500	80	688	--
PFO3OA	SPE	River Water	400 ng/L	5x	420	200	602	92
PFO3OA	SPE	River Water	400 ng/L	6.25x	410	250	667	103
PFO3OA	SPE	River Water	400 ng/L	10x	400	400	840	109
PFO3OA	SPE	Groundwater	0 ng/L	1x	460	35.6	585	--
PFO3OA	SPE	Groundwater	400 ng/L	1x	1000	40	1060	--
PFO3OA	SPE	Groundwater	400 ng/L	2.5x	1000	100	1070	--
PFO3OA	SPE	Groundwater	400 ng/L	6.25x	900	250	1150	101
PFO3OA	SPE	Groundwater	400 ng/L	10x	750	400	1090	86
PFO3OA	SDI	River Water	400 ng/L	1x	480	5000	5110	93
PFO3OA	SDI	River Water	400 ng/L	2x	370	10000	10200	98
PFO3OA	SDI	River Water	400 ng/L	5x	<560	25000	27100	109
PFO3OA	SDI	River Water	400 ng/L	10x	<1100	50000	51200	102
PFO3OA	SDI	River Water	5000 ng/L	1x	5700	5000	11000	105
PFO3OA	SDI	River Water	5000 ng/L	2x	5800	10000	14300	85
PFO3OA	SDI	River Water	5000 ng/L	5x	5300	25000	31000	103
PFO3OA	SDI	River Water	5000 ng/L	10x	5200	50000	62300	114
PFO3OA	SDI	River Water	50000 ng/L	1x	45000	5000	55100	--
PFO3OA	SDI	River Water	50000 ng/L	2x	58000	10000	61600	--
PFO3OA	SDI	River Water	50000 ng/L	5x	43000	25000	62100	78
PFO3OA	SDI	River Water	50000 ng/L	10x	43000	50000	96300	106
PFO3OA	SDI	River Water	50000 ng/L	100x	46000	500000	545000	100
PFO3OA	SDI	Groundwater	400 ng/L	1x	890	5000	5790	98
PFO3OA	SDI	Groundwater	400 ng/L	5x	830	25000	30400	118
PFO3OA	SDI	Groundwater	5000 ng/L	1x	5600	5000	11200	112
PFO3OA	SDI	Groundwater	5000 ng/L	5x	5800	25000	31400	102
PFO3OA	SDI	Groundwater	50000 ng/L	1x	54000	5000	55800	--
PFO3OA	SDI	Groundwater	50000 ng/L	5x	47000	25000	71900	99
PFO3OA	SDI	Groundwater	50000 ng/L	100x	43000	500000	579000	107
PFO4DA	SPE	River Water	0 ng/L	1x	<2	39.8	38.8	97
PFO4DA	SPE	River Water	10 ng/L	1x	10	40	50.2	100
PFO4DA	SPE	River Water	10 ng/L	2x	11	80	87.6	96
PFO4DA	SPE	River Water	10 ng/L	5x	9.9	200	209	100
PFO4DA	SPE	River Water	10 ng/L	10x	9.5	400	432	106
PFO4DA	SPE	River Water	50 ng/L	1x	54	40	94.3	101
PFO4DA	SPE	River Water	50 ng/L	2x	52	80	136	105
PFO4DA	SPE	River Water	50 ng/L	5x	51	200	271	110
PFO4DA	SPE	River Water	50 ng/L	10x	53	400	465	103
PFO4DA	SPE	River Water	400 ng/L	1x	430	40	491	--

**TABLE 2**  
**MATRIX SPIKE RECOVERIES FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
PFO4DA	SPE	River Water	400 ng/L	2.5x	460	100	489	--
PFO4DA	SPE	River Water	400 ng/L	2x	420	80	585	--
PFO4DA	SPE	River Water	400 ng/L	5x	410	200	640	115
PFO4DA	SPE	River Water	400 ng/L	6.25x	400	250	694	117
PFO4DA	SPE	River Water	400 ng/L	10x	410	400	882	117
PFO4DA	SPE	Groundwater	0 ng/L	1x	<2	35.6	32.2	91
PFO4DA	SPE	Groundwater	400 ng/L	1x	450	40	473	--
PFO4DA	SPE	Groundwater	400 ng/L	2.5x	420	100	500	--
PFO4DA	SPE	Groundwater	400 ng/L	6.25x	390	250	711	128
PFO4DA	SPE	Groundwater	400 ng/L	10x	400	400	853	113
PFO4DA	SDI	River Water	400 ng/L	1x	370	5000	5480	102
PFO4DA	SDI	River Water	400 ng/L	2x	400	10000	10100	97
PFO4DA	SDI	River Water	400 ng/L	5x	360	25000	25400	100
PFO4DA	SDI	River Water	400 ng/L	10x	<500	50000	48200	96
PFO4DA	SDI	River Water	5000 ng/L	1x	5100	5000	10400	108
PFO4DA	SDI	River Water	5000 ng/L	2x	5100	10000	13800	87
PFO4DA	SDI	River Water	5000 ng/L	5x	5200	25000	28500	93
PFO4DA	SDI	River Water	5000 ng/L	10x	4800	50000	61000	112
PFO4DA	SDI	River Water	50000 ng/L	1x	42000	5000	52200	--
PFO4DA	SDI	River Water	50000 ng/L	2x	46000	10000	55100	--
PFO4DA	SDI	River Water	50000 ng/L	5x	42000	25000	68000	102
PFO4DA	SDI	River Water	50000 ng/L	10x	42000	50000	87900	91
PFO4DA	SDI	River Water	50000 ng/L	100x	41000	500000	505000	93
PFO4DA	SDI	Groundwater	400 ng/L	1x	370	5000	5150	95
PFO4DA	SDI	Groundwater	400 ng/L	5x	390	25000	24300	96
PFO4DA	SDI	Groundwater	5000 ng/L	1x	5000	5000	11300	124
PFO4DA	SDI	Groundwater	5000 ng/L	5x	5600	25000	30100	98
PFO4DA	SDI	Groundwater	50000 ng/L	1x	47000	5000	51200	--
PFO4DA	SDI	Groundwater	50000 ng/L	5x	46000	25000	70000	96
PFO4DA	SDI	Groundwater	50000 ng/L	100x	48000	500000	549000	100
PFO5DA	SPE	River Water	0 ng/L	1x	<2	39.8	44.8	113
PFO5DA	SPE	River Water	10 ng/L	1x	11	40	60.7	124
PFO5DA	SPE	River Water	10 ng/L	2x	9.8	80	102	115
PFO5DA	SPE	River Water	10 ng/L	5x	12	200	237	113
PFO5DA	SPE	River Water	10 ng/L	10x	<10	400	511	128
PFO5DA	SPE	River Water	50 ng/L	1x	67	40	114	115
PFO5DA	SPE	River Water	50 ng/L	2x	53	80	168	144
PFO5DA	SPE	River Water	50 ng/L	5x	49	200	277	114
PFO5DA	SPE	River Water	50 ng/L	10x	53	400	538	121
PFO5DA	SPE	River Water	400 ng/L	1x	530	40	420	--
PFO5DA	SPE	River Water	400 ng/L	2.5x	420	100	422	--
PFO5DA	SPE	River Water	400 ng/L	2x	410	80	477	--
PFO5DA	SPE	River Water	400 ng/L	5x	490	200	688	98
PFO5DA	SPE	River Water	400 ng/L	6.25x	390	250	777	155
PFO5DA	SPE	River Water	400 ng/L	10x	420	400	898	119
PFO5DA	SPE	Groundwater	0 ng/L	1x	320	35.6	434	--
PFO5DA	SPE	Groundwater	400 ng/L	1x	920	40	862	--
PFO5DA	SPE	Groundwater	400 ng/L	2.5x	810	100	877	--
PFO5DA	SPE	Groundwater	400 ng/L	6.25x	760	250	1050	115
PFO5DA	SPE	Groundwater	400 ng/L	10x	780	400	1170	99
PFO5DA	SDI	River Water	400 ng/L	1x	420	5000	5110	94
PFO5DA	SDI	River Water	400 ng/L	2x	320	10000	11100	108
PFO5DA	SDI	River Water	400 ng/L	5x	<630	25000	26200	105
PFO5DA	SDI	River Water	400 ng/L	10x	<1300	50000	52200	104
PFO5DA	SDI	River Water	5000 ng/L	1x	4400	5000	10000	112
PFO5DA	SDI	River Water	5000 ng/L	2x	5900	10000	17400	115
PFO5DA	SDI	River Water	5000 ng/L	5x	4500	25000	35600	124
PFO5DA	SDI	River Water	5000 ng/L	10x	5300	50000	66900	123
PFO5DA	SDI	River Water	50000 ng/L	1x	49000	5000	57500	--
PFO5DA	SDI	River Water	50000 ng/L	2x	45000	10000	59100	--
PFO5DA	SDI	River Water	50000 ng/L	5x	42000	25000	74700	129
PFO5DA	SDI	River Water	50000 ng/L	10x	45000	50000	91000	92
PFO5DA	SDI	River Water	50000 ng/L	100x	36000	500000	618000	116
PFO5DA	SDI	Groundwater	400 ng/L	1x	720	5000	6320	112
PFO5DA	SDI	Groundwater	400 ng/L	5x	<630	25000	24100	97

**TABLE 2**  
**MATRIX SPIKE RECOVERIES FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
PFO5DA	SDI	Groundwater	5000 ng/L	1x	5100	5000	9220	82
PFO5DA	SDI	Groundwater	5000 ng/L	5x	4400	25000	32000	110
PFO5DA	SDI	Groundwater	50000 ng/L	1x	38000	5000	49800	--
PFO5DA	SDI	Groundwater	50000 ng/L	5x	48000	25000	79400	124
PFO5DA	SDI	Groundwater	50000 ng/L	100x	52000	500000	641000	118
PMPA	SPE	River Water	0 ng/L	1x	16	39.8	63.6	119
PMPA	SPE	River Water	10 ng/L	1x	27	40	78.2	127
PMPA	SPE	River Water	10 ng/L	2x	30	80	117	110
PMPA	SPE	River Water	10 ng/L	5x	25	200	250	112
PMPA	SPE	River Water	10 ng/L	10x	26	400	499	118
PMPA	SPE	River Water	50 ng/L	1x	71	40	122	126
PMPA	SPE	River Water	50 ng/L	2x	67	80	164	121
PMPA	SPE	River Water	50 ng/L	5x	62	200	281	110
PMPA	SPE	River Water	50 ng/L	10x	68	400	529	115
PMPA	SPE	River Water	400 ng/L	1x	410	40	450	--
PMPA	SPE	River Water	400 ng/L	2.5x	420	100	527	--
PMPA	SPE	River Water	400 ng/L	2x	410	80	502	--
PMPA	SPE	River Water	400 ng/L	5x	400	200	628	115
PMPA	SPE	River Water	400 ng/L	6.25x	410	250	718	124
PMPA	SPE	River Water	400 ng/L	10x	390	400	866	119
PMPA	SPE	Groundwater	0 ng/L	1x	2300	35.6	2240	--
PMPA	SPE	Groundwater	400 ng/L	1x	2500	40	2700	--
PMPA	SPE	Groundwater	400 ng/L	2.5x	2700	100	2870	--
PMPA	SPE	Groundwater	400 ng/L	6.25x	2500	250	2820	--
PMPA	SPE	Groundwater	400 ng/L	10x	2600	400	3070	--
PMPA	SDI	River Water	400 ng/L	1x	370	5000	6030	113
PMPA	SDI	River Water	400 ng/L	2x	390	10000	11900	116
PMPA	SDI	River Water	400 ng/L	5x	310	25000	28800	114
PMPA	SDI	River Water	400 ng/L	10x	460	50000	56800	113
PMPA	SDI	River Water	5000 ng/L	1x	4900	5000	10700	116
PMPA	SDI	River Water	5000 ng/L	2x	5500	10000	15700	102
PMPA	SDI	River Water	5000 ng/L	5x	5200	25000	31200	104
PMPA	SDI	River Water	5000 ng/L	10x	4900	50000	63900	118
PMPA	SDI	River Water	50000 ng/L	1x	42000	5000	49500	--
PMPA	SDI	River Water	50000 ng/L	2x	43000	10000	53300	--
PMPA	SDI	River Water	50000 ng/L	5x	42000	25000	67000	99
PMPA	SDI	River Water	50000 ng/L	10x	41000	50000	97300	112
PMPA	SDI	River Water	50000 ng/L	100x	42000	500000	586000	109
PMPA	SDI	Groundwater	400 ng/L	1x	2800	5000	8640	117
PMPA	SDI	Groundwater	400 ng/L	5x	2800	25000	32600	119
PMPA	SDI	Groundwater	5000 ng/L	1x	7500	5000	12600	101
PMPA	SDI	Groundwater	5000 ng/L	5x	7200	25000	35800	114
PMPA	SDI	Groundwater	50000 ng/L	1x	40000	5000	50100	--
PMPA	SDI	Groundwater	50000 ng/L	5x	47000	25000	74300	108
PMPA	SDI	Groundwater	50000 ng/L	100x	43000	500000	617000	115
PFPrA	SPE	River Water	0 ng/L	1x	18	35.8	70.3	147
PFPrA	SPE	River Water	10 ng/L	1x	31	35.9	83.5	147
PFPrA	SPE	River Water	10 ng/L	2x	28	71.9	117	125
PFPrA	SPE	River Water	10 ng/L	5x	21	180	225	114
PFPrA	SPE	River Water	10 ng/L	10x	18	359	412	110
PFPrA	SPE	River Water	50 ng/L	1x	56	35.9	95.1	110
PFPrA	SPE	River Water	50 ng/L	2x	71	71.9	163	128
PFPrA	SPE	River Water	50 ng/L	5x	59	180	260	112
PFPrA	SPE	River Water	50 ng/L	10x	59	359	470	114
PFPrA	SPE	River Water	400 ng/L	1x	380	35.9	423	--
PFPrA	SPE	River Water	400 ng/L	2.5x	400	89.8	513	--
PFPrA	SPE	River Water	400 ng/L	2x	380	71.9	459	--
PFPrA	SPE	River Water	400 ng/L	5x	420	180	640	125
PFPrA	SPE	River Water	400 ng/L	6.25x	410	225	672	115
PFPrA	SPE	River Water	400 ng/L	10x	400	359	791	110
PFPrA	SPE	Groundwater	0 ng/L	1x	1500	31.9	1570	--
PFPrA	SPE	Groundwater	400 ng/L	1x	2000	35.9	2040	--
PFPrA	SPE	Groundwater	400 ng/L	2.5x	2100	89.8	2070	--
PFPrA	SPE	Groundwater	400 ng/L	6.25x	2000	225	2290	--
PFPrA	SPE	Groundwater	400 ng/L	10x	1900	359	2350	--

**TABLE 2**  
**MATRIX SPIKE RECOVERIES FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
PFPrA	SDI	River Water	400 ng/L	1x	360	4490	5210	108
PFPrA	SDI	River Water	400 ng/L	2x	310	8980	9810	106
PFPrA	SDI	River Water	400 ng/L	5x	290	22500	24100	106
PFPrA	SDI	River Water	400 ng/L	10x	<440	44900	48300	107
PFPrA	SDI	River Water	5000 ng/L	1x	4800	4490	9790	110
PFPrA	SDI	River Water	5000 ng/L	2x	5200	8980	13800	96
PFPrA	SDI	River Water	5000 ng/L	5x	4800	22500	27400	100
PFPrA	SDI	River Water	5000 ng/L	10x	4300	44900	57800	119
PFPrA	SDI	River Water	50000 ng/L	1x	44000	4490	46600	--
PFPrA	SDI	River Water	50000 ng/L	2x	42000	8980	50200	--
PFPrA	SDI	River Water	50000 ng/L	5x	42000	22500	65100	102
PFPrA	SDI	River Water	50000 ng/L	10x	39000	44900	87300	107
PFPrA	SDI	River Water	50000 ng/L	100x	33000	449000	509000	106
PFPrA	SDI	Groundwater	400 ng/L	1x	1800	4490	6930	114
PFPrA	SDI	Groundwater	400 ng/L	5x	1700	22500	25400	106
PFPrA	SDI	Groundwater	5000 ng/L	1x	6000	4490	11400	119
PFPrA	SDI	Groundwater	5000 ng/L	5x	6000	22500	29900	107
PFPrA	SDI	Groundwater	50000 ng/L	1x	38000	4490	45100	--
PFPrA	SDI	Groundwater	50000 ng/L	5x	43000	22500	69000	116
PFPrA	SDI	Groundwater	50000 ng/L	100x	37000	449000	510000	105
PS Acid	SPE	River Water	0 ng/L	1x	<2	39.8	31.5	79
PS Acid	SPE	River Water	10 ng/L	1x	8.4	40	40.2	79
PS Acid	SPE	River Water	10 ng/L	2x	8.8	80	77.6	86
PS Acid	SPE	River Water	10 ng/L	5x	7.3	200	163	78
PS Acid	SPE	River Water	10 ng/L	10x	7.1	400	327	80
PS Acid	SPE	River Water	50 ng/L	1x	50	40	80.3	77
PS Acid	SPE	River Water	50 ng/L	2x	50	80	115	82
PS Acid	SPE	River Water	50 ng/L	5x	43	200	198	77
PS Acid	SPE	River Water	50 ng/L	10x	44	400	368	81
PS Acid	SPE	River Water	400 ng/L	1x	310	40	272	--
PS Acid	SPE	River Water	400 ng/L	2.5x	260	100	338	80
PS Acid	SPE	River Water	400 ng/L	2x	280	80	322	49
PS Acid	SPE	River Water	400 ng/L	5x	360	200	544	90
PS Acid	SPE	River Water	400 ng/L	6.25x	370	250	564	77
PS Acid	SPE	River Water	400 ng/L	10x	350	400	720	93
PS Acid	SPE	Groundwater	0 ng/L	1x	<2	35.6	34.7	93
PS Acid	SPE	Groundwater	400 ng/L	1x	380	40	377	--
PS Acid	SPE	Groundwater	400 ng/L	2.5x	380	100	482	104
PS Acid	SPE	Groundwater	400 ng/L	6.25x	350	250	560	82
PS Acid	SPE	Groundwater	400 ng/L	10x	330	400	635	77
PS Acid	SDI	River Water	400 ng/L	1x	360	5000	4770	88
PS Acid	SDI	River Water	400 ng/L	2x	340	10000	9190	89
PS Acid	SDI	River Water	400 ng/L	5x	370	25000	24200	95
PS Acid	SDI	River Water	400 ng/L	10x	<500	50000	46700	93
PS Acid	SDI	River Water	5000 ng/L	1x	4900	5000	9880	100
PS Acid	SDI	River Water	5000 ng/L	2x	5400	10000	14700	94
PS Acid	SDI	River Water	5000 ng/L	5x	5000	25000	27900	91
PS Acid	SDI	River Water	5000 ng/L	10x	5000	50000	53200	96
PS Acid	SDI	River Water	50000 ng/L	1x	47000	5000	47700	--
PS Acid	SDI	River Water	50000 ng/L	2x	37000	10000	49300	118
PS Acid	SDI	River Water	50000 ng/L	5x	43000	25000	64600	86
PS Acid	SDI	River Water	50000 ng/L	10x	43000	50000	88800	91
PS Acid	SDI	River Water	50000 ng/L	100x	42000	500000	477000	87
PS Acid	SDI	Groundwater	400 ng/L	1x	400	5000	4760	87
PS Acid	SDI	Groundwater	400 ng/L	5x	410	25000	24300	95
PS Acid	SDI	Groundwater	5000 ng/L	1x	5200	5000	9590	87
PS Acid	SDI	Groundwater	5000 ng/L	5x	4500	25000	26900	89
PS Acid	SDI	Groundwater	50000 ng/L	1x	31000	5000	34200	--
PS Acid	SDI	Groundwater	50000 ng/L	5x	45000	25000	65500	82
PS Acid	SDI	Groundwater	50000 ng/L	100x	39000	500000	493000	91
R-PSDCA	SPE	River Water	0 ng/L	1x	<3	39.8	33.9	85
R-PSDCA	SPE	River Water	10 ng/L	1x	7.6	40	44.7	93
R-PSDCA	SPE	River Water	10 ng/L	2x	9.1	80	73.5	81
R-PSDCA	SPE	River Water	10 ng/L	5x	7.3	200	164	78
R-PSDCA	SPE	River Water	10 ng/L	10x	<14	400	347	87

**TABLE 2**  
**MATRIX SPIKE RECOVERIES FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
R-PSDCA	SPE	River Water	50 ng/L	1x	45	40	92.2	118
R-PSDCA	SPE	River Water	50 ng/L	2x	38	80	124	107
R-PSDCA	SPE	River Water	50 ng/L	5x	38	200	215	89
R-PSDCA	SPE	River Water	50 ng/L	10x	32	400	378	87
R-PSDCA	SPE	River Water	400 ng/L	1x	420	40	497	--
R-PSDCA	SPE	River Water	400 ng/L	2.5x	450	100	438	--
R-PSDCA	SPE	River Water	400 ng/L	2x	430	80	579	--
R-PSDCA	SPE	River Water	400 ng/L	5x	330	200	577	123
R-PSDCA	SPE	River Water	400 ng/L	6.25x	300	250	571	109
R-PSDCA	SPE	River Water	400 ng/L	10x	310	400	737	106
R-PSDCA	SPE	Groundwater	0 ng/L	1x	<3	35.6	36.7	95
R-PSDCA	SPE	Groundwater	400 ng/L	1x	480	40	518	--
R-PSDCA	SPE	Groundwater	400 ng/L	2.5x	420	100	480	--
R-PSDCA	SPE	Groundwater	400 ng/L	6.25x	330	250	607	112
R-PSDCA	SPE	Groundwater	400 ng/L	10x	310	400	697	97
R-PSDCA	SDI	River Water	400 ng/L	1x	260	5000	4700	89
R-PSDCA	SDI	River Water	400 ng/L	2x	420	10000	8030	76
R-PSDCA	SDI	River Water	400 ng/L	5x	<880	25000	22900	91
R-PSDCA	SDI	River Water	400 ng/L	10x	<1800	50000	39300	79
R-PSDCA	SDI	River Water	5000 ng/L	1x	4300	5000	9860	111
R-PSDCA	SDI	River Water	5000 ng/L	2x	4000	10000	12400	84
R-PSDCA	SDI	River Water	5000 ng/L	5x	3900	25000	39000	141
R-PSDCA	SDI	River Water	5000 ng/L	10x	3800	50000	49800	92
R-PSDCA	SDI	River Water	50000 ng/L	1x	49000	5000	44300	--
R-PSDCA	SDI	River Water	50000 ng/L	2x	47000	10000	46600	--
R-PSDCA	SDI	River Water	50000 ng/L	5x	36000	25000	60700	99
R-PSDCA	SDI	River Water	50000 ng/L	10x	32000	50000	73400	83
R-PSDCA	SDI	River Water	50000 ng/L	100x	27000	500000	436000	82
R-PSDCA	SDI	Groundwater	400 ng/L	1x	370	5000	4270	78
R-PSDCA	SDI	Groundwater	400 ng/L	5x	<880	25000	20000	80
R-PSDCA	SDI	Groundwater	5000 ng/L	1x	4000	5000	9330	106
R-PSDCA	SDI	Groundwater	5000 ng/L	5x	5000	25000	30900	104
R-PSDCA	SDI	Groundwater	50000 ng/L	1x	42000	5000	46100	--
R-PSDCA	SDI	Groundwater	50000 ng/L	5x	37000	25000	64200	110
R-PSDCA	SDI	Groundwater	50000 ng/L	100x	30000	500000	475000	89

**TABLE 2**  
**MATRIX SPIKE RECOVERIES FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

*Notes:*

Sample analysis was by 537MM (EPA Method 537 Mod Max)

< - result is below reporting limit

-- - matrix spike addition was less than 0.25x the concentration of the sample; matrix spike recovery was not calculated

% - percent

ng/L - nanograms per liter

EVE Acid - 2,2,3,3-tetrafluoro-3-({1,1,1,2,3,3-hexafluoro-3-[(1,2,2-trifluoroethyl)oxy]propan-2-yl}oxy)propionic acid

HFPO-DA - Hexafluoropropylene oxide dimer acid

Hydro-PS Acid - Ethanesulfonic acid, 2-[1-[difluoro(1,2,2-tetrafluoroethoxy)methyl]-1,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-

Hydro-EVE Acid - 2,2,3,3-tetrafluoro-3-({1,1,1,2,3,3-hexafluoro-3-[(1,2,2-tetrafluoroethyl)oxy]propan-2-yl}oxy)propionic acid

Hydrolyzed PSDA - Acetic acid, 2-fluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2-tetrafluoro-2-sulfoethoxy)propoxy]-

MTP - 3-methoxy-2,2,3,3-tetrafluoropropanoic acid

NVHOS - 1,1,2,2,4,5,5,5-heptafluoro-3-oxapentanesulfonic acid; or 2-(1,2,2,2-ethoxy)tetrafluoroethanesulfonic acid; or 1-(1,1,2,2-tetrafluoro-2-sulfoethoxy)-1,2,2,2-tetrafluoroethane

PEPA - perfluoro-2-ethoxypropionic acid

PES - Perfluoro-2-ethoxyethanesulfonic acid

PFECA B - Perfluoro-3,6-dioxahexanoic acid

PFECA-G - Perfluoro-4-isopropoxybutanoic acid

PFMOAA - Perfluoro-2-methoxyacetic acid

PFO2HxA - Perfluoro-3,5-dioxahexanoic acid

PFO3OA - Perfluoro-3,5,7-trioxaoctanoic acid

PFO4DA - Perfluoro-3,5,7,9,11-pentaoxadodecanoic acid

PFO5DA - Perfluoro-3,5,7,9,11-pentaoxadodecanoic acid

PMPA - Perfluoro-2-methoxypropionic acid

PFPrA - Perfluoropropionic acid (formerly known as PPF Acid)

PS Acid - Ethanesulfonic acid, 2-[1-[difluoro[(1,2,2-trifluoroethyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-

R-PSDCA - Ethanesulfonic acid, 1,1,2,2-tetrafluoro-2-[1,2,2,3,3-pentafluoro-1-(trifluoromethyl)propoxy]-

R-PSDA - Pentanoic acid, 2,2,3,3,4,5,5,5-octafluoro-4-(1,1,2,2-tetrafluoro-2-sulfoethoxy)-

R-EVE - Pentanoic acid, 4-(2-carboxy-1,1,2,2-tetrafluoroethoxy)-2,2,3,3,4,5,5,5-octafluoro-

SDI - solvent dilution / direct injection

SPE - solid phase extraction



**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
R-PSDA	SPE	River Water	0 ng/L	1x	--	6.9 J	--
R-PSDA	SPE	River Water	10 ng/L	1x	16.9	80 J	473
R-PSDA	SPE	River Water	10 ng/L	2x	16.9	63 J	373
R-PSDA	SPE	River Water	10 ng/L	5x	16.9	44 J	260
R-PSDA	SPE	River Water	10 ng/L	10x	16.9	33 J	195
R-PSDA	SPE	River Water	50 ng/L	1x	56.9	270 J	475
R-PSDA	SPE	River Water	50 ng/L	2x	56.9	280 J	492
R-PSDA	SPE	River Water	50 ng/L	5x	56.9	180 J	316
R-PSDA	SPE	River Water	50 ng/L	10x	56.9	190 J	334
R-PSDA	SPE	River Water	400 ng/L	1x	406.9	2100 J	516
R-PSDA	SPE	River Water	400 ng/L	2.5x	406.9	1300 J	319
R-PSDA	SPE	River Water	400 ng/L	2x	406.9	1600 J	393
R-PSDA	SPE	River Water	400 ng/L	5x	406.9	1400 J	344
R-PSDA	SPE	River Water	400 ng/L	6.25x	406.9	1300 J	319
R-PSDA	SPE	River Water	400 ng/L	10x	406.9	1100 J	270
R-PSDA	SPE	Groundwater	0 ng/L	1x	--	650 J	--
R-PSDA	SPE	Groundwater	400 ng/L	1x	1050	2100 J	200
R-PSDA	SPE	Groundwater	400 ng/L	2.5x	1050	1400 J	133
R-PSDA	SPE	Groundwater	400 ng/L	6.25x	1050	1700 J	162
R-PSDA	SPE	Groundwater	400 ng/L	10x	1050	1200 J	114
R-PSDA	SDI	River Water	400 ng/L	1x	406.9	360	88
R-PSDA	SDI	River Water	400 ng/L	2x	406.9	340	84
R-PSDA	SDI	River Water	400 ng/L	5x	406.9	360	88
R-PSDA	SDI	River Water	400 ng/L	10x	406.9	<350	--
R-PSDA	SDI	River Water	5000 ng/L	1x	5006.9	4800	96
R-PSDA	SDI	River Water	5000 ng/L	2x	5006.9	4800	96
R-PSDA	SDI	River Water	5000 ng/L	5x	5006.9	4100	82
R-PSDA	SDI	River Water	5000 ng/L	10x	5006.9	4200	84
R-PSDA	SDI	River Water	50000 ng/L	1x	50006.9	49000	98
R-PSDA	SDI	River Water	50000 ng/L	2x	50006.9	50000	100
R-PSDA	SDI	River Water	50000 ng/L	5x	50006.9	39000	78
R-PSDA	SDI	River Water	50000 ng/L	10x	50006.9	35000	70
R-PSDA	SDI	River Water	50000 ng/L	100x	50006.9	29000	58
R-PSDA	SDI	Groundwater	400 ng/L	1x	1050	420	40
R-PSDA	SDI	Groundwater	400 ng/L	5x	1050	360	34
R-PSDA	SDI	Groundwater	5000 ng/L	1x	5650	4000	71
R-PSDA	SDI	Groundwater	5000 ng/L	5x	5650	4000	71
R-PSDA	SDI	Groundwater	50000 ng/L	1x	50650	62000	122
R-PSDA	SDI	Groundwater	50000 ng/L	5x	50650	33000	65
R-PSDA	SDI	Groundwater	50000 ng/L	100x	50650	33000	65

**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
R-EVE	SPE	River Water	0 ng/L	1x	--	2.7 J	--
R-EVE	SPE	River Water	10 ng/L	1x	12.7	52 J	409
R-EVE	SPE	River Water	10 ng/L	2x	12.7	50 J	394
R-EVE	SPE	River Water	10 ng/L	5x	12.7	32 J	252
R-EVE	SPE	River Water	10 ng/L	10x	12.7	28 J	220
R-EVE	SPE	River Water	50 ng/L	1x	52.7	180 J	342
R-EVE	SPE	River Water	50 ng/L	2x	52.7	170 J	323
R-EVE	SPE	River Water	50 ng/L	5x	52.7	130 J	247
R-EVE	SPE	River Water	50 ng/L	10x	52.7	120 J	228
R-EVE	SPE	River Water	400 ng/L	1x	402.7	1400 J	348
R-EVE	SPE	River Water	400 ng/L	2.5x	402.7	990 J	246
R-EVE	SPE	River Water	400 ng/L	2x	402.7	1100 J	273
R-EVE	SPE	River Water	400 ng/L	5x	402.7	940 J	233
R-EVE	SPE	River Water	400 ng/L	6.25x	402.7	890 J	221
R-EVE	SPE	River Water	400 ng/L	10x	402.7	780 J	194
R-EVE	SPE	Groundwater	0 ng/L	1x	--	230 J	--
R-EVE	SPE	Groundwater	400 ng/L	1x	630	1200 J	190
R-EVE	SPE	Groundwater	400 ng/L	2.5x	630	800 J	127
R-EVE	SPE	Groundwater	400 ng/L	6.25x	630	1100 J	175
R-EVE	SPE	Groundwater	400 ng/L	10x	630	950 J	151
R-EVE	SDI	River Water	400 ng/L	1x	402.7	340	84
R-EVE	SDI	River Water	400 ng/L	2x	402.7	380	94
R-EVE	SDI	River Water	400 ng/L	5x	402.7	310	77
R-EVE	SDI	River Water	400 ng/L	10x	402.7	<390	--
R-EVE	SDI	River Water	5000 ng/L	1x	5002.7	4800	96
R-EVE	SDI	River Water	5000 ng/L	2x	5002.7	4800	96
R-EVE	SDI	River Water	5000 ng/L	5x	5002.7	4400	88
R-EVE	SDI	River Water	5000 ng/L	10x	5002.7	4100	82
R-EVE	SDI	River Water	50000 ng/L	1x	50002.7	46000	92
R-EVE	SDI	River Water	50000 ng/L	2x	50002.7	48000	96
R-EVE	SDI	River Water	50000 ng/L	5x	50002.7	38000	76
R-EVE	SDI	River Water	50000 ng/L	10x	50002.7	35000	70
R-EVE	SDI	River Water	50000 ng/L	100x	50002.7	34000	68
R-EVE	SDI	Groundwater	400 ng/L	1x	630	400	63
R-EVE	SDI	Groundwater	400 ng/L	5x	630	350	56
R-EVE	SDI	Groundwater	5000 ng/L	1x	5230	3900	75
R-EVE	SDI	Groundwater	5000 ng/L	5x	5230	4100	78
R-EVE	SDI	Groundwater	50000 ng/L	1x	50230	53000	106
R-EVE	SDI	Groundwater	50000 ng/L	5x	50230	35000	70
R-EVE	SDI	Groundwater	50000 ng/L	100x	50230	34000	68

**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
Hydrolyzed PSDA	SPE	River Water	0 ng/L	1x	--	4.5 J	--
Hydrolyzed PSDA	SPE	River Water	10 ng/L	1x	14.5	24 J	166
Hydrolyzed PSDA	SPE	River Water	10 ng/L	2x	14.5	23 J	159
Hydrolyzed PSDA	SPE	River Water	10 ng/L	5x	14.5	18 J	124
Hydrolyzed PSDA	SPE	River Water	10 ng/L	10x	14.5	18 J	124
Hydrolyzed PSDA	SPE	River Water	50 ng/L	1x	54.5	110 J	202
Hydrolyzed PSDA	SPE	River Water	50 ng/L	2x	54.5	92 J	169
Hydrolyzed PSDA	SPE	River Water	50 ng/L	5x	54.5	78 J	143
Hydrolyzed PSDA	SPE	River Water	50 ng/L	10x	54.5	84 J	154
Hydrolyzed PSDA	SPE	River Water	400 ng/L	1x	404.5	790	195
Hydrolyzed PSDA	SPE	River Water	400 ng/L	2.5x	404.5	760	188
Hydrolyzed PSDA	SPE	River Water	400 ng/L	2x	404.5	850	210
Hydrolyzed PSDA	SPE	River Water	400 ng/L	5x	404.5	630 J	156
Hydrolyzed PSDA	SPE	River Water	400 ng/L	6.25x	404.5	600 J	148
Hydrolyzed PSDA	SPE	River Water	400 ng/L	10x	404.5	560 J	138
Hydrolyzed PSDA	SPE	Groundwater	0 ng/L	1x	--	25 J	--
Hydrolyzed PSDA	SPE	Groundwater	400 ng/L	1x	425	810 J	191
Hydrolyzed PSDA	SPE	Groundwater	400 ng/L	2.5x	425	710 J	167
Hydrolyzed PSDA	SPE	Groundwater	400 ng/L	6.25x	425	640 J	151
Hydrolyzed PSDA	SPE	Groundwater	400 ng/L	10x	425	590 J	139
Hydrolyzed PSDA	SDI	River Water	400 ng/L	1x	404.5	370	91
Hydrolyzed PSDA	SDI	River Water	400 ng/L	2x	404.5	370	91
Hydrolyzed PSDA	SDI	River Water	400 ng/L	5x	404.5	370	91
Hydrolyzed PSDA	SDI	River Water	400 ng/L	10x	404.5	380	94
Hydrolyzed PSDA	SDI	River Water	5000 ng/L	1x	5004.5	5400	108
Hydrolyzed PSDA	SDI	River Water	5000 ng/L	2x	5004.5	5400	108
Hydrolyzed PSDA	SDI	River Water	5000 ng/L	5x	5004.5	4800	96
Hydrolyzed PSDA	SDI	River Water	5000 ng/L	10x	5004.5	4900	98
Hydrolyzed PSDA	SDI	River Water	50000 ng/L	1x	50004.5	56000	112
Hydrolyzed PSDA	SDI	River Water	50000 ng/L	2x	50004.5	56000	112
Hydrolyzed PSDA	SDI	River Water	50000 ng/L	5x	50004.5	40000	80
Hydrolyzed PSDA	SDI	River Water	50000 ng/L	10x	50004.5	37000	74
Hydrolyzed PSDA	SDI	River Water	50000 ng/L	100x	50004.5	35000	70
Hydrolyzed PSDA	SDI	Groundwater	400 ng/L	1x	425	350	82
Hydrolyzed PSDA	SDI	Groundwater	400 ng/L	5x	425	350	82
Hydrolyzed PSDA	SDI	Groundwater	5000 ng/L	1x	5025	4300	86
Hydrolyzed PSDA	SDI	Groundwater	5000 ng/L	5x	5025	4600	92
Hydrolyzed PSDA	SDI	Groundwater	50000 ng/L	1x	50025	65000	130
Hydrolyzed PSDA	SDI	Groundwater	50000 ng/L	5x	50025	38000	76
Hydrolyzed PSDA	SDI	Groundwater	50000 ng/L	100x	50025	39000	78

**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
MTP	SPE	River Water	0 ng/L	1x	--	<2	--
MTP	SPE	River Water	10 ng/L	1x	10	13	130
MTP	SPE	River Water	10 ng/L	2x	10	21	210
MTP	SPE	River Water	10 ng/L	5x	10	53	530
MTP	SPE	River Water	10 ng/L	10x	10	140	1400
MTP	SPE	River Water	50 ng/L	1x	50	43	86
MTP	SPE	River Water	50 ng/L	2x	50	52	104
MTP	SPE	River Water	50 ng/L	5x	50	110	220
MTP	SPE	River Water	50 ng/L	10x	50	98	196
MTP	SPE	River Water	400 ng/L	1x	400	220	55
MTP	SPE	River Water	400 ng/L	2.5x	400	340	85
MTP	SPE	River Water	400 ng/L	2x	400	300	75
MTP	SPE	River Water	400 ng/L	5x	400	340	85
MTP	SPE	River Water	400 ng/L	6.25x	400	310	78
MTP	SPE	River Water	400 ng/L	10x	400	400	100
MTP	SPE	Groundwater	0 ng/L	1x	--	53	--
MTP	SPE	Groundwater	400 ng/L	1x	453	590	130
MTP	SPE	Groundwater	400 ng/L	2.5x	453	720	159
MTP	SPE	Groundwater	400 ng/L	6.25x	453	610	135
MTP	SPE	Groundwater	400 ng/L	10x	453	770	170
MTP	SDI	River Water	400 ng/L	1x	400	330	83
MTP	SDI	River Water	400 ng/L	2x	400	280	70
MTP	SDI	River Water	400 ng/L	5x	400	300	75
MTP	SDI	River Water	400 ng/L	10x	400	300	75
MTP	SDI	River Water	5000 ng/L	1x	5000	4100	82
MTP	SDI	River Water	5000 ng/L	2x	5000	4400	88
MTP	SDI	River Water	5000 ng/L	5x	5000	4200	84
MTP	SDI	River Water	5000 ng/L	10x	5000	4100	82
MTP	SDI	River Water	50000 ng/L	1x	50000	41000	82
MTP	SDI	River Water	50000 ng/L	2x	50000	33000	66
MTP	SDI	River Water	50000 ng/L	5x	50000	38000	76
MTP	SDI	River Water	50000 ng/L	10x	50000	35000	70
MTP	SDI	River Water	50000 ng/L	100x	50000	33000	66
MTP	SDI	Groundwater	400 ng/L	1x	453	260	57
MTP	SDI	Groundwater	400 ng/L	5x	453	270	60
MTP	SDI	Groundwater	5000 ng/L	1x	5053	3500	69
MTP	SDI	Groundwater	5000 ng/L	5x	5053	4200	83
MTP	SDI	Groundwater	50000 ng/L	1x	50053	28000	56
MTP	SDI	Groundwater	50000 ng/L	5x	50053	38000	76
MTP	SDI	Groundwater	50000 ng/L	100x	50053	40000	80

**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
EVE Acid	SPE	River Water	0 ng/L	1x	--	<2	--
EVE Acid	SPE	River Water	10 ng/L	1x	10	8.2	82
EVE Acid	SPE	River Water	10 ng/L	2x	10	8.3	83
EVE Acid	SPE	River Water	10 ng/L	5x	10	7.4	74
EVE Acid	SPE	River Water	10 ng/L	10x	10	7.4	74
EVE Acid	SPE	River Water	50 ng/L	1x	50	38	76
EVE Acid	SPE	River Water	50 ng/L	2x	50	41	82
EVE Acid	SPE	River Water	50 ng/L	5x	50	36	72
EVE Acid	SPE	River Water	50 ng/L	10x	50	39	78
EVE Acid	SPE	River Water	400 ng/L	1x	400	250	63
EVE Acid	SPE	River Water	400 ng/L	2.5x	400	240	60
EVE Acid	SPE	River Water	400 ng/L	2x	400	250 J	63
EVE Acid	SPE	River Water	400 ng/L	5x	400	300	75
EVE Acid	SPE	River Water	400 ng/L	6.25x	400	310	78
EVE Acid	SPE	River Water	400 ng/L	10x	400	280	70
EVE Acid	SPE	Groundwater	0 ng/L	1x	--	8.2	--
EVE Acid	SPE	Groundwater	400 ng/L	1x	408.2	320	78
EVE Acid	SPE	Groundwater	400 ng/L	2.5x	408.2	290	71
EVE Acid	SPE	Groundwater	400 ng/L	6.25x	408.2	300	73
EVE Acid	SPE	Groundwater	400 ng/L	10x	408.2	280	69
EVE Acid	SDI	River Water	400 ng/L	1x	400	340	85
EVE Acid	SDI	River Water	400 ng/L	2x	400	330	83
EVE Acid	SDI	River Water	400 ng/L	5x	400	340	85
EVE Acid	SDI	River Water	400 ng/L	10x	400	<500	--
EVE Acid	SDI	River Water	5000 ng/L	1x	5000	4300	86
EVE Acid	SDI	River Water	5000 ng/L	2x	5000	4400	88
EVE Acid	SDI	River Water	5000 ng/L	5x	5000	4300	86
EVE Acid	SDI	River Water	5000 ng/L	10x	5000	4400	88
EVE Acid	SDI	River Water	50000 ng/L	1x	50000	32000	64
EVE Acid	SDI	River Water	50000 ng/L	2x	50000	33000	66
EVE Acid	SDI	River Water	50000 ng/L	5x	50000	33000	66
EVE Acid	SDI	River Water	50000 ng/L	10x	50000	36000	72
EVE Acid	SDI	River Water	50000 ng/L	100x	50000	31000	62
EVE Acid	SDI	Groundwater	400 ng/L	1x	408.2	340	83
EVE Acid	SDI	Groundwater	400 ng/L	5x	408.2	340	83
EVE Acid	SDI	Groundwater	5000 ng/L	1x	5008.2	4600	92
EVE Acid	SDI	Groundwater	5000 ng/L	5x	5008.2	3800	76
EVE Acid	SDI	Groundwater	50000 ng/L	1x	50008.2	28000	56
EVE Acid	SDI	Groundwater	50000 ng/L	5x	50008.2	35000	70
EVE Acid	SDI	Groundwater	50000 ng/L	100x	50008.2	33000	66

**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
HFPO-DA	SPE	River Water	0 ng/L	1x	--	9.3	--
HFPO-DA	SPE	River Water	10 ng/L	1x	19.3	19	98
HFPO-DA	SPE	River Water	10 ng/L	2x	19.3	20	104
HFPO-DA	SPE	River Water	10 ng/L	5x	19.3	19	98
HFPO-DA	SPE	River Water	10 ng/L	10x	19.3	17	88
HFPO-DA	SPE	River Water	50 ng/L	1x	59.3	68	115
HFPO-DA	SPE	River Water	50 ng/L	2x	59.3	66	111
HFPO-DA	SPE	River Water	50 ng/L	5x	59.3	62	105
HFPO-DA	SPE	River Water	50 ng/L	10x	59.3	63	106
HFPO-DA	SPE	River Water	400 ng/L	1x	409.3	460	112
HFPO-DA	SPE	River Water	400 ng/L	2.5x	409.3	440	108
HFPO-DA	SPE	River Water	400 ng/L	2x	409.3	440	108
HFPO-DA	SPE	River Water	400 ng/L	5x	409.3	440	108
HFPO-DA	SPE	River Water	400 ng/L	6.25x	409.3	450	110
HFPO-DA	SPE	River Water	400 ng/L	10x	409.3	430	105
HFPO-DA	SPE	Groundwater	0 ng/L	1x	--	2500	--
HFPO-DA	SPE	Groundwater	400 ng/L	1x	2900	3100	107
HFPO-DA	SPE	Groundwater	400 ng/L	2.5x	2900	3200	110
HFPO-DA	SPE	Groundwater	400 ng/L	6.25x	2900	3100	107
HFPO-DA	SPE	Groundwater	400 ng/L	10x	2900	3200	110
HFPO-DA	SDI	River Water	400 ng/L	1x	409.3	440	108
HFPO-DA	SDI	River Water	400 ng/L	2x	409.3	410	100
HFPO-DA	SDI	River Water	400 ng/L	5x	409.3	<940	--
HFPO-DA	SDI	River Water	400 ng/L	10x	409.3	<1900	--
HFPO-DA	SDI	River Water	5000 ng/L	1x	5009.3	5600	112
HFPO-DA	SDI	River Water	5000 ng/L	2x	5009.3	5900	118
HFPO-DA	SDI	River Water	5000 ng/L	5x	5009.3	5500	110
HFPO-DA	SDI	River Water	5000 ng/L	10x	5009.3	5500	110
HFPO-DA	SDI	River Water	50000 ng/L	1x	50009.3	45000	90
HFPO-DA	SDI	River Water	50000 ng/L	2x	50009.3	46000	92
HFPO-DA	SDI	River Water	50000 ng/L	5x	50009.3	43000	86
HFPO-DA	SDI	River Water	50000 ng/L	10x	50009.3	44000	88
HFPO-DA	SDI	River Water	50000 ng/L	100x	50009.3	44000	88
HFPO-DA	SDI	Groundwater	400 ng/L	1x	2900	3200	110
HFPO-DA	SDI	Groundwater	400 ng/L	5x	2900	3200	110
HFPO-DA	SDI	Groundwater	5000 ng/L	1x	7500	8100	108
HFPO-DA	SDI	Groundwater	5000 ng/L	5x	7500	8200	109
HFPO-DA	SDI	Groundwater	50000 ng/L	1x	52500	51000	97
HFPO-DA	SDI	Groundwater	50000 ng/L	5x	52500	49000	93
HFPO-DA	SDI	Groundwater	50000 ng/L	100x	52500	48000	91

**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
Hydro-EVE Acid	SPE	River Water	0 ng/L	1x	--	<2	--
Hydro-EVE Acid	SPE	River Water	10 ng/L	1x	10	12	120
Hydro-EVE Acid	SPE	River Water	10 ng/L	2x	10	12	120
Hydro-EVE Acid	SPE	River Water	10 ng/L	5x	10	9.9	99
Hydro-EVE Acid	SPE	River Water	10 ng/L	10x	10	9.8	98
Hydro-EVE Acid	SPE	River Water	50 ng/L	1x	50	58	116
Hydro-EVE Acid	SPE	River Water	50 ng/L	2x	50	52	104
Hydro-EVE Acid	SPE	River Water	50 ng/L	5x	50	52	104
Hydro-EVE Acid	SPE	River Water	50 ng/L	10x	50	52	104
Hydro-EVE Acid	SPE	River Water	400 ng/L	1x	400	420	105
Hydro-EVE Acid	SPE	River Water	400 ng/L	2.5x	400	430	108
Hydro-EVE Acid	SPE	River Water	400 ng/L	2x	400	390	98
Hydro-EVE Acid	SPE	River Water	400 ng/L	5x	400	380	95
Hydro-EVE Acid	SPE	River Water	400 ng/L	6.25x	400	400	100
Hydro-EVE Acid	SPE	River Water	400 ng/L	10x	400	410	103
Hydro-EVE Acid	SPE	Groundwater	0 ng/L	1x	--	36	--
Hydro-EVE Acid	SPE	Groundwater	400 ng/L	1x	436	480	110
Hydro-EVE Acid	SPE	Groundwater	400 ng/L	2.5x	436	500	115
Hydro-EVE Acid	SPE	Groundwater	400 ng/L	6.25x	436	440	101
Hydro-EVE Acid	SPE	Groundwater	400 ng/L	10x	436	470	108
Hydro-EVE Acid	SDI	River Water	400 ng/L	1x	400	400	100
Hydro-EVE Acid	SDI	River Water	400 ng/L	2x	400	360	90
Hydro-EVE Acid	SDI	River Water	400 ng/L	5x	400	330	83
Hydro-EVE Acid	SDI	River Water	400 ng/L	10x	400	330	83
Hydro-EVE Acid	SDI	River Water	5000 ng/L	1x	5000	5100	102
Hydro-EVE Acid	SDI	River Water	5000 ng/L	2x	5000	5200	104
Hydro-EVE Acid	SDI	River Water	5000 ng/L	5x	5000	5200	104
Hydro-EVE Acid	SDI	River Water	5000 ng/L	10x	5000	4500	90
Hydro-EVE Acid	SDI	River Water	50000 ng/L	1x	50000	44000	88
Hydro-EVE Acid	SDI	River Water	50000 ng/L	2x	50000	44000	88
Hydro-EVE Acid	SDI	River Water	50000 ng/L	5x	50000	42000	84
Hydro-EVE Acid	SDI	River Water	50000 ng/L	10x	50000	46000	92
Hydro-EVE Acid	SDI	River Water	50000 ng/L	100x	50000	41000	82
Hydro-EVE Acid	SDI	Groundwater	400 ng/L	1x	436	450	103
Hydro-EVE Acid	SDI	Groundwater	400 ng/L	5x	436	430	99
Hydro-EVE Acid	SDI	Groundwater	5000 ng/L	1x	5036	4800	95
Hydro-EVE Acid	SDI	Groundwater	5000 ng/L	5x	5036	4700	93
Hydro-EVE Acid	SDI	Groundwater	50000 ng/L	1x	50036	44000	88
Hydro-EVE Acid	SDI	Groundwater	50000 ng/L	5x	50036	44000	88
Hydro-EVE Acid	SDI	Groundwater	50000 ng/L	100x	50036	45000	90

**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
Hydro-PS Acid	SPE	River Water	0 ng/L	1x	--	<2	--
Hydro-PS Acid	SPE	River Water	10 ng/L	1x	10	12	120
Hydro-PS Acid	SPE	River Water	10 ng/L	2x	10	12	120
Hydro-PS Acid	SPE	River Water	10 ng/L	5x	10	10	100
Hydro-PS Acid	SPE	River Water	10 ng/L	10x	10	11	110
Hydro-PS Acid	SPE	River Water	50 ng/L	1x	50	58	116
Hydro-PS Acid	SPE	River Water	50 ng/L	2x	50	51	102
Hydro-PS Acid	SPE	River Water	50 ng/L	5x	50	48	96
Hydro-PS Acid	SPE	River Water	50 ng/L	10x	50	48	96
Hydro-PS Acid	SPE	River Water	400 ng/L	1x	400	440	110
Hydro-PS Acid	SPE	River Water	400 ng/L	2.5x	400	400 J	100
Hydro-PS Acid	SPE	River Water	400 ng/L	2x	400	390	98
Hydro-PS Acid	SPE	River Water	400 ng/L	5x	400	390	98
Hydro-PS Acid	SPE	River Water	400 ng/L	6.25x	400	380	95
Hydro-PS Acid	SPE	River Water	400 ng/L	10x	400	380	95
Hydro-PS Acid	SPE	Groundwater	0 ng/L	1x	--	220	--
Hydro-PS Acid	SPE	Groundwater	400 ng/L	1x	620	630	102
Hydro-PS Acid	SPE	Groundwater	400 ng/L	2.5x	620	660	106
Hydro-PS Acid	SPE	Groundwater	400 ng/L	6.25x	620	600	97
Hydro-PS Acid	SPE	Groundwater	400 ng/L	10x	620	620	100
Hydro-PS Acid	SDI	River Water	400 ng/L	1x	400	350	88
Hydro-PS Acid	SDI	River Water	400 ng/L	2x	400	280	70
Hydro-PS Acid	SDI	River Water	400 ng/L	5x	400	<280	--
Hydro-PS Acid	SDI	River Water	400 ng/L	10x	400	<550	--
Hydro-PS Acid	SDI	River Water	5000 ng/L	1x	5000	4400	88
Hydro-PS Acid	SDI	River Water	5000 ng/L	2x	5000	4700	94
Hydro-PS Acid	SDI	River Water	5000 ng/L	5x	5000	4700	94
Hydro-PS Acid	SDI	River Water	5000 ng/L	10x	5000	4200	84
Hydro-PS Acid	SDI	River Water	50000 ng/L	1x	50000	45000	90
Hydro-PS Acid	SDI	River Water	50000 ng/L	2x	50000	43000	86
Hydro-PS Acid	SDI	River Water	50000 ng/L	5x	50000	41000	82
Hydro-PS Acid	SDI	River Water	50000 ng/L	10x	50000	42000	84
Hydro-PS Acid	SDI	River Water	50000 ng/L	100x	50000	37000	74
Hydro-PS Acid	SDI	Groundwater	400 ng/L	1x	620	600	97
Hydro-PS Acid	SDI	Groundwater	400 ng/L	5x	620	550	89
Hydro-PS Acid	SDI	Groundwater	5000 ng/L	1x	5220	4700	90
Hydro-PS Acid	SDI	Groundwater	5000 ng/L	5x	5220	4100	79
Hydro-PS Acid	SDI	Groundwater	50000 ng/L	1x	50220	42000	84
Hydro-PS Acid	SDI	Groundwater	50000 ng/L	5x	50220	44000	88
Hydro-PS Acid	SDI	Groundwater	50000 ng/L	100x	50220	44000	88



**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
NVHOS	SPE	River Water	0 ng/L	1x	--	<3	--
NVHOS	SPE	River Water	10 ng/L	1x	10	12 J	120
NVHOS	SPE	River Water	10 ng/L	2x	10	9.9 J	99
NVHOS	SPE	River Water	10 ng/L	5x	10	8.8 J	88
NVHOS	SPE	River Water	10 ng/L	10x	10	<13	--
NVHOS	SPE	River Water	50 ng/L	1x	50	52 J	104
NVHOS	SPE	River Water	50 ng/L	2x	50	36 J	72
NVHOS	SPE	River Water	50 ng/L	5x	50	37 J	74
NVHOS	SPE	River Water	50 ng/L	10x	50	44 J	88
NVHOS	SPE	River Water	400 ng/L	1x	400	390 J	98
NVHOS	SPE	River Water	400 ng/L	2.5x	400	410 J	103
NVHOS	SPE	River Water	400 ng/L	2x	400	430 J	108
NVHOS	SPE	River Water	400 ng/L	5x	400	280 J	70
NVHOS	SPE	River Water	400 ng/L	6.25x	400	300 J	75
NVHOS	SPE	River Water	400 ng/L	10x	400	280 J	70
NVHOS	SPE	Groundwater	0 ng/L	1x	--	43	--
NVHOS	SPE	Groundwater	400 ng/L	1x	443	460	104
NVHOS	SPE	Groundwater	400 ng/L	2.5x	443	480	108
NVHOS	SPE	Groundwater	400 ng/L	6.25x	443	360	81
NVHOS	SPE	Groundwater	400 ng/L	10x	443	310	70
NVHOS	SDI	River Water	400 ng/L	1x	400	260	65
NVHOS	SDI	River Water	400 ng/L	2x	400	<330	--
NVHOS	SDI	River Water	400 ng/L	5x	400	<810	--
NVHOS	SDI	River Water	400 ng/L	10x	400	<1600	--
NVHOS	SDI	River Water	5000 ng/L	1x	5000	4300	86
NVHOS	SDI	River Water	5000 ng/L	2x	5000	4600	92
NVHOS	SDI	River Water	5000 ng/L	5x	5000	4000	80
NVHOS	SDI	River Water	5000 ng/L	10x	5000	3800	76
NVHOS	SDI	River Water	50000 ng/L	1x	50000	49000	98
NVHOS	SDI	River Water	50000 ng/L	2x	50000	44000	88
NVHOS	SDI	River Water	50000 ng/L	5x	50000	35000 J	70
NVHOS	SDI	River Water	50000 ng/L	10x	50000	33000	66
NVHOS	SDI	River Water	50000 ng/L	100x	50000	30000	60
NVHOS	SDI	Groundwater	400 ng/L	1x	443	330	74
NVHOS	SDI	Groundwater	400 ng/L	5x	443	<810	--
NVHOS	SDI	Groundwater	5000 ng/L	1x	5043	4000	79
NVHOS	SDI	Groundwater	5000 ng/L	5x	5043	3700	73
NVHOS	SDI	Groundwater	50000 ng/L	1x	50043	43000	86
NVHOS	SDI	Groundwater	50000 ng/L	5x	50043	31000	62
NVHOS	SDI	Groundwater	50000 ng/L	100x	50043	36000	72

**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
PEPA	SPE	River Water	0 ng/L	1x	--	2.9	--
PEPA	SPE	River Water	10 ng/L	1x	12.9	14	109
PEPA	SPE	River Water	10 ng/L	2x	12.9	13	101
PEPA	SPE	River Water	10 ng/L	5x	12.9	13	101
PEPA	SPE	River Water	10 ng/L	10x	12.9	12	93
PEPA	SPE	River Water	50 ng/L	1x	52.9	60	113
PEPA	SPE	River Water	50 ng/L	2x	52.9	57	108
PEPA	SPE	River Water	50 ng/L	5x	52.9	51	96
PEPA	SPE	River Water	50 ng/L	10x	52.9	51	96
PEPA	SPE	River Water	400 ng/L	1x	402.9	400	99
PEPA	SPE	River Water	400 ng/L	2.5x	402.9	390 J	97
PEPA	SPE	River Water	400 ng/L	2x	402.9	400	99
PEPA	SPE	River Water	400 ng/L	5x	402.9	420	104
PEPA	SPE	River Water	400 ng/L	6.25x	402.9	430	107
PEPA	SPE	River Water	400 ng/L	10x	402.9	380	94
PEPA	SPE	Groundwater	0 ng/L	1x	--	860	--
PEPA	SPE	Groundwater	400 ng/L	1x	1260	1400	111
PEPA	SPE	Groundwater	400 ng/L	2.5x	1260	1500	119
PEPA	SPE	Groundwater	400 ng/L	6.25x	1260	1300	103
PEPA	SPE	Groundwater	400 ng/L	10x	1260	1200	95
PEPA	SDI	River Water	400 ng/L	1x	402.9	430	107
PEPA	SDI	River Water	400 ng/L	2x	402.9	400	99
PEPA	SDI	River Water	400 ng/L	5x	402.9	430	107
PEPA	SDI	River Water	400 ng/L	10x	402.9	<600	--
PEPA	SDI	River Water	5000 ng/L	1x	5002.9	4900	98
PEPA	SDI	River Water	5000 ng/L	2x	5002.9	5700	114
PEPA	SDI	River Water	5000 ng/L	5x	5002.9	5400	108
PEPA	SDI	River Water	5000 ng/L	10x	5002.9	5300	106
PEPA	SDI	River Water	50000 ng/L	1x	50002.9	46000	92
PEPA	SDI	River Water	50000 ng/L	2x	50002.9	47000	94
PEPA	SDI	River Water	50000 ng/L	5x	50002.9	41000	82
PEPA	SDI	River Water	50000 ng/L	10x	50002.9	44000	88
PEPA	SDI	River Water	50000 ng/L	100x	50002.9	36000	72
PEPA	SDI	Groundwater	400 ng/L	1x	1260	1400	111
PEPA	SDI	Groundwater	400 ng/L	5x	1260	1500	119
PEPA	SDI	Groundwater	5000 ng/L	1x	5860	6600	113
PEPA	SDI	Groundwater	5000 ng/L	5x	5860	6100	104
PEPA	SDI	Groundwater	50000 ng/L	1x	50860	43000	85
PEPA	SDI	Groundwater	50000 ng/L	5x	50860	47000	92
PEPA	SDI	Groundwater	50000 ng/L	100x	50860	44000	87

**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
PES	SPE	River Water	0 ng/L	1x	--	<2	--
PES	SPE	River Water	10 ng/L	1x	10	10	100
PES	SPE	River Water	10 ng/L	2x	10	9.9	99
PES	SPE	River Water	10 ng/L	5x	10	9.3	93
PES	SPE	River Water	10 ng/L	10x	10	8.8	88
PES	SPE	River Water	50 ng/L	1x	50	55	110
PES	SPE	River Water	50 ng/L	2x	50	55	110
PES	SPE	River Water	50 ng/L	5x	50	50	100
PES	SPE	River Water	50 ng/L	10x	50	52	104
PES	SPE	River Water	400 ng/L	1x	400	400	100
PES	SPE	River Water	400 ng/L	2.5x	400	380	95
PES	SPE	River Water	400 ng/L	2x	400	400	100
PES	SPE	River Water	400 ng/L	5x	400	410	103
PES	SPE	River Water	400 ng/L	6.25x	400	410	103
PES	SPE	River Water	400 ng/L	10x	400	410	103
PES	SPE	Groundwater	0 ng/L	1x	--	<2	--
PES	SPE	Groundwater	400 ng/L	1x	400	410	103
PES	SPE	Groundwater	400 ng/L	2.5x	400	370	93
PES	SPE	Groundwater	400 ng/L	6.25x	400	410	103
PES	SPE	Groundwater	400 ng/L	10x	400	400	100
PES	SDI	River Water	400 ng/L	1x	400	390	98
PES	SDI	River Water	400 ng/L	2x	400	400	100
PES	SDI	River Water	400 ng/L	5x	400	410	103
PES	SDI	River Water	400 ng/L	10x	400	430	108
PES	SDI	River Water	5000 ng/L	1x	5000	4900	98
PES	SDI	River Water	5000 ng/L	2x	5000	5000	100
PES	SDI	River Water	5000 ng/L	5x	5000	5300	106
PES	SDI	River Water	5000 ng/L	10x	5000	4900	98
PES	SDI	River Water	50000 ng/L	1x	50000	42000	84
PES	SDI	River Water	50000 ng/L	2x	50000	42000	84
PES	SDI	River Water	50000 ng/L	5x	50000	42000	84
PES	SDI	River Water	50000 ng/L	10x	50000	41000	82
PES	SDI	River Water	50000 ng/L	100x	50000	41000	82
PES	SDI	Groundwater	400 ng/L	1x	400	400	100
PES	SDI	Groundwater	400 ng/L	5x	400	410	103
PES	SDI	Groundwater	5000 ng/L	1x	5000	5300	106
PES	SDI	Groundwater	5000 ng/L	5x	5000	4800	96
PES	SDI	Groundwater	50000 ng/L	1x	50000	43000	86
PES	SDI	Groundwater	50000 ng/L	5x	50000	44000	88
PES	SDI	Groundwater	50000 ng/L	100x	50000	41000	82

**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
PFECA-G	SPE	River Water	0 ng/L	1x	--	<2	--
PFECA-G	SPE	River Water	10 ng/L	1x	10	8.5	85
PFECA-G	SPE	River Water	10 ng/L	2x	10	8.5	85
PFECA-G	SPE	River Water	10 ng/L	5x	10	7.1	71
PFECA-G	SPE	River Water	10 ng/L	10x	10	7.9	79
PFECA-G	SPE	River Water	50 ng/L	1x	50	41	82
PFECA-G	SPE	River Water	50 ng/L	2x	50	45	90
PFECA-G	SPE	River Water	50 ng/L	5x	50	42	84
PFECA-G	SPE	River Water	50 ng/L	10x	50	42	84
PFECA-G	SPE	River Water	400 ng/L	1x	400	390	98
PFECA-G	SPE	River Water	400 ng/L	2.5x	400	430	108
PFECA-G	SPE	River Water	400 ng/L	2x	400	440	110
PFECA-G	SPE	River Water	400 ng/L	5x	400	300	75
PFECA-G	SPE	River Water	400 ng/L	6.25x	400	310	78
PFECA-G	SPE	River Water	400 ng/L	10x	400	320	80
PFECA-G	SPE	Groundwater	0 ng/L	1x	--	<2	--
PFECA-G	SPE	Groundwater	400 ng/L	1x	400	470	118
PFECA-G	SPE	Groundwater	400 ng/L	2.5x	400	470	118
PFECA-G	SPE	Groundwater	400 ng/L	6.25x	400	330 J	83
PFECA-G	SPE	Groundwater	400 ng/L	10x	400	330	83
PFECA-G	SDI	River Water	400 ng/L	1x	400	350	88
PFECA-G	SDI	River Water	400 ng/L	2x	400	320	80
PFECA-G	SDI	River Water	400 ng/L	5x	400	270	68
PFECA-G	SDI	River Water	400 ng/L	10x	400	370	93
PFECA-G	SDI	River Water	5000 ng/L	1x	5000	4500	90
PFECA-G	SDI	River Water	5000 ng/L	2x	5000	4000	80
PFECA-G	SDI	River Water	5000 ng/L	5x	5000	4300	86
PFECA-G	SDI	River Water	5000 ng/L	10x	5000	3900	78
PFECA-G	SDI	River Water	50000 ng/L	1x	50000	46000	92
PFECA-G	SDI	River Water	50000 ng/L	2x	50000	47000	94
PFECA-G	SDI	River Water	50000 ng/L	5x	50000	39000	78
PFECA-G	SDI	River Water	50000 ng/L	10x	50000	34000	68
PFECA-G	SDI	River Water	50000 ng/L	100x	50000	33000	66
PFECA-G	SDI	Groundwater	400 ng/L	1x	400	320	80
PFECA-G	SDI	Groundwater	400 ng/L	5x	400	370	93
PFECA-G	SDI	Groundwater	5000 ng/L	1x	5000	4200	84
PFECA-G	SDI	Groundwater	5000 ng/L	5x	5000	4300	86
PFECA-G	SDI	Groundwater	50000 ng/L	1x	50000	39000	78
PFECA-G	SDI	Groundwater	50000 ng/L	5x	50000	36000	72
PFECA-G	SDI	Groundwater	50000 ng/L	100x	50000	36000	72

**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
PFECA B	SPE	River Water	0 ng/L	1x	--	<2	--
PFECA B	SPE	River Water	10 ng/L	1x	10	9.4	94
PFECA B	SPE	River Water	10 ng/L	2x	10	12	120
PFECA B	SPE	River Water	10 ng/L	5x	10	10	100
PFECA B	SPE	River Water	10 ng/L	10x	10	8.9	89
PFECA B	SPE	River Water	50 ng/L	1x	50	60	120
PFECA B	SPE	River Water	50 ng/L	2x	50	52 J	104
PFECA B	SPE	River Water	50 ng/L	5x	50	58	116
PFECA B	SPE	River Water	50 ng/L	10x	50	59	118
PFECA B	SPE	River Water	400 ng/L	1x	400	450	113
PFECA B	SPE	River Water	400 ng/L	2.5x	400	450	113
PFECA B	SPE	River Water	400 ng/L	2x	400	440	110
PFECA B	SPE	River Water	400 ng/L	5x	400	410	103
PFECA B	SPE	River Water	400 ng/L	6.25x	400	450	113
PFECA B	SPE	River Water	400 ng/L	10x	400	450	113
PFECA B	SPE	Groundwater	0 ng/L	1x	--	<2	--
PFECA B	SPE	Groundwater	400 ng/L	1x	400	530	133
PFECA B	SPE	Groundwater	400 ng/L	2.5x	400	430	108
PFECA B	SPE	Groundwater	400 ng/L	6.25x	400	460	115
PFECA B	SPE	Groundwater	400 ng/L	10x	400	400	100
PFECA B	SDI	River Water	400 ng/L	1x	400	420	105
PFECA B	SDI	River Water	400 ng/L	2x	400	470	118
PFECA B	SDI	River Water	400 ng/L	5x	400	420	105
PFECA B	SDI	River Water	400 ng/L	10x	400	<780	--
PFECA B	SDI	River Water	5000 ng/L	1x	5000	5700	114
PFECA B	SDI	River Water	5000 ng/L	2x	5000	5500	110
PFECA B	SDI	River Water	5000 ng/L	5x	5000	5900	118
PFECA B	SDI	River Water	5000 ng/L	10x	5000	5600	112
PFECA B	SDI	River Water	50000 ng/L	1x	50000	50000	100
PFECA B	SDI	River Water	50000 ng/L	2x	50000	50000	100
PFECA B	SDI	River Water	50000 ng/L	5x	50000	47000	94
PFECA B	SDI	River Water	50000 ng/L	10x	50000	47000	94
PFECA B	SDI	River Water	50000 ng/L	100x	50000	45000	90
PFECA B	SDI	Groundwater	400 ng/L	1x	400	450	113
PFECA B	SDI	Groundwater	400 ng/L	5x	400	480	120
PFECA B	SDI	Groundwater	5000 ng/L	1x	5000	6200	124
PFECA B	SDI	Groundwater	5000 ng/L	5x	5000	5100	102
PFECA B	SDI	Groundwater	50000 ng/L	1x	50000	48000	96
PFECA B	SDI	Groundwater	50000 ng/L	5x	50000	47000	94
PFECA B	SDI	Groundwater	50000 ng/L	100x	50000	46000	92

**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
PFMOAA	SPE	River Water	0 ng/L	1x	--	22	--
PFMOAA	SPE	River Water	10 ng/L	1x	32	34	106
PFMOAA	SPE	River Water	10 ng/L	2x	32	34	106
PFMOAA	SPE	River Water	10 ng/L	5x	32	28	88
PFMOAA	SPE	River Water	10 ng/L	10x	32	26	81
PFMOAA	SPE	River Water	50 ng/L	1x	72	73	101
PFMOAA	SPE	River Water	50 ng/L	2x	72	69	96
PFMOAA	SPE	River Water	50 ng/L	5x	72	58	81
PFMOAA	SPE	River Water	50 ng/L	10x	72	68	94
PFMOAA	SPE	River Water	400 ng/L	1x	422	430	102
PFMOAA	SPE	River Water	400 ng/L	2.5x	422	410	97
PFMOAA	SPE	River Water	400 ng/L	2x	422	400	95
PFMOAA	SPE	River Water	400 ng/L	5x	422	390	92
PFMOAA	SPE	River Water	400 ng/L	6.25x	422	430	102
PFMOAA	SPE	River Water	400 ng/L	10x	422	360	85
PFMOAA	SPE	Groundwater	0 ng/L	1x	--	1200	--
PFMOAA	SPE	Groundwater	400 ng/L	1x	1600	1600	100
PFMOAA	SPE	Groundwater	400 ng/L	2.5x	1600	1500	94
PFMOAA	SPE	Groundwater	400 ng/L	6.25x	1600	1500	94
PFMOAA	SPE	Groundwater	400 ng/L	10x	1600	1400	88
PFMOAA	SDI	River Water	400 ng/L	1x	422	310	73
PFMOAA	SDI	River Water	400 ng/L	2x	422	330	78
PFMOAA	SDI	River Water	400 ng/L	5x	422	350	83
PFMOAA	SDI	River Water	400 ng/L	10x	422	<510	--
PFMOAA	SDI	River Water	5000 ng/L	1x	5022	4400	88
PFMOAA	SDI	River Water	5000 ng/L	2x	5022	4400	88
PFMOAA	SDI	River Water	5000 ng/L	5x	5022	4600	92
PFMOAA	SDI	River Water	5000 ng/L	10x	5022	4100	82
PFMOAA	SDI	River Water	50000 ng/L	1x	50022	44000	88
PFMOAA	SDI	River Water	50000 ng/L	2x	50022	41000	82
PFMOAA	SDI	River Water	50000 ng/L	5x	50022	35000	70
PFMOAA	SDI	River Water	50000 ng/L	10x	50022	37000	74
PFMOAA	SDI	River Water	50000 ng/L	100x	50022	30000	60
PFMOAA	SDI	Groundwater	400 ng/L	1x	1600	1300	81
PFMOAA	SDI	Groundwater	400 ng/L	5x	1600	1200	75
PFMOAA	SDI	Groundwater	5000 ng/L	1x	6200	5100	82
PFMOAA	SDI	Groundwater	5000 ng/L	5x	6200	4700	76
PFMOAA	SDI	Groundwater	50000 ng/L	1x	51200	43000	84
PFMOAA	SDI	Groundwater	50000 ng/L	5x	51200	41000	80
PFMOAA	SDI	Groundwater	50000 ng/L	100x	51200	31000	61

**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
PFO2HxA	SPE	River Water	0 ng/L	1x	--	8.5	--
PFO2HxA	SPE	River Water	10 ng/L	1x	18.5	17	92
PFO2HxA	SPE	River Water	10 ng/L	2x	18.5	19	103
PFO2HxA	SPE	River Water	10 ng/L	5x	18.5	17	92
PFO2HxA	SPE	River Water	10 ng/L	10x	18.5	18	97
PFO2HxA	SPE	River Water	50 ng/L	1x	58.5	52	89
PFO2HxA	SPE	River Water	50 ng/L	2x	58.5	55	94
PFO2HxA	SPE	River Water	50 ng/L	5x	58.5	57	97
PFO2HxA	SPE	River Water	50 ng/L	10x	58.5	50	85
PFO2HxA	SPE	River Water	400 ng/L	1x	408.5	410	100
PFO2HxA	SPE	River Water	400 ng/L	2.5x	408.5	420	103
PFO2HxA	SPE	River Water	400 ng/L	2x	408.5	400	98
PFO2HxA	SPE	River Water	400 ng/L	5x	408.5	370	91
PFO2HxA	SPE	River Water	400 ng/L	6.25x	408.5	380	93
PFO2HxA	SPE	River Water	400 ng/L	10x	408.5	350	86
PFO2HxA	SPE	Groundwater	0 ng/L	1x	--	3100	--
PFO2HxA	SPE	Groundwater	400 ng/L	1x	3500	3700	106
PFO2HxA	SPE	Groundwater	400 ng/L	2.5x	3500	4200	120
PFO2HxA	SPE	Groundwater	400 ng/L	6.25x	3500	3800	109
PFO2HxA	SPE	Groundwater	400 ng/L	10x	3500	2800	80
PFO2HxA	SDI	River Water	400 ng/L	1x	408.5	380	93
PFO2HxA	SDI	River Water	400 ng/L	2x	408.5	360	88
PFO2HxA	SDI	River Water	400 ng/L	5x	408.5	390	95
PFO2HxA	SDI	River Water	400 ng/L	10x	408.5	<690	--
PFO2HxA	SDI	River Water	5000 ng/L	1x	5008.5	4400	88
PFO2HxA	SDI	River Water	5000 ng/L	2x	5008.5	4900	98
PFO2HxA	SDI	River Water	5000 ng/L	5x	5008.5	4700	94
PFO2HxA	SDI	River Water	5000 ng/L	10x	5008.5	4400	88
PFO2HxA	SDI	River Water	50000 ng/L	1x	50008.5	49000	98
PFO2HxA	SDI	River Water	50000 ng/L	2x	50008.5	47000	94
PFO2HxA	SDI	River Water	50000 ng/L	5x	50008.5	32000	64
PFO2HxA	SDI	River Water	50000 ng/L	10x	50008.5	36000	72
PFO2HxA	SDI	River Water	50000 ng/L	100x	50008.5	33000	66
PFO2HxA	SDI	Groundwater	400 ng/L	1x	3500	2900	83
PFO2HxA	SDI	Groundwater	400 ng/L	5x	3500	3100	89
PFO2HxA	SDI	Groundwater	5000 ng/L	1x	8100	7100	88
PFO2HxA	SDI	Groundwater	5000 ng/L	5x	8100	6900	85
PFO2HxA	SDI	Groundwater	50000 ng/L	1x	53100	46000	87
PFO2HxA	SDI	Groundwater	50000 ng/L	5x	53100	36000	68
PFO2HxA	SDI	Groundwater	50000 ng/L	100x	53100	41000	77

**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
PFO3OA	SPE	River Water	0 ng/L	1x	--	<2	--
PFO3OA	SPE	River Water	10 ng/L	1x	10	12	120
PFO3OA	SPE	River Water	10 ng/L	2x	10	14	140
PFO3OA	SPE	River Water	10 ng/L	5x	10	10	100
PFO3OA	SPE	River Water	10 ng/L	10x	10	13	130
PFO3OA	SPE	River Water	50 ng/L	1x	50	62	124
PFO3OA	SPE	River Water	50 ng/L	2x	50	54	108
PFO3OA	SPE	River Water	50 ng/L	5x	50	58	116
PFO3OA	SPE	River Water	50 ng/L	10x	50	65	130
PFO3OA	SPE	River Water	400 ng/L	1x	400	510	128
PFO3OA	SPE	River Water	400 ng/L	2.5x	400	460	115
PFO3OA	SPE	River Water	400 ng/L	2x	400	500	125
PFO3OA	SPE	River Water	400 ng/L	5x	400	420	105
PFO3OA	SPE	River Water	400 ng/L	6.25x	400	410	103
PFO3OA	SPE	River Water	400 ng/L	10x	400	400	100
PFO3OA	SPE	Groundwater	0 ng/L	1x	--	460	--
PFO3OA	SPE	Groundwater	400 ng/L	1x	860	1000	116
PFO3OA	SPE	Groundwater	400 ng/L	2.5x	860	1000	116
PFO3OA	SPE	Groundwater	400 ng/L	6.25x	860	900	105
PFO3OA	SPE	Groundwater	400 ng/L	10x	860	750	87
PFO3OA	SDI	River Water	400 ng/L	1x	400	480	120
PFO3OA	SDI	River Water	400 ng/L	2x	400	370	93
PFO3OA	SDI	River Water	400 ng/L	5x	400	<560	--
PFO3OA	SDI	River Water	400 ng/L	10x	400	<1100	--
PFO3OA	SDI	River Water	5000 ng/L	1x	5000	5700	114
PFO3OA	SDI	River Water	5000 ng/L	2x	5000	5800	116
PFO3OA	SDI	River Water	5000 ng/L	5x	5000	5300	106
PFO3OA	SDI	River Water	5000 ng/L	10x	5000	5200	104
PFO3OA	SDI	River Water	50000 ng/L	1x	50000	54000	108
PFO3OA	SDI	River Water	50000 ng/L	2x	50000	58000	116
PFO3OA	SDI	River Water	50000 ng/L	5x	50000	43000	86
PFO3OA	SDI	River Water	50000 ng/L	10x	50000	43000	86
PFO3OA	SDI	River Water	50000 ng/L	100x	50000	46000	92
PFO3OA	SDI	Groundwater	400 ng/L	1x	860	890	103
PFO3OA	SDI	Groundwater	400 ng/L	5x	860	830	97
PFO3OA	SDI	Groundwater	5000 ng/L	1x	5460	5600	103
PFO3OA	SDI	Groundwater	5000 ng/L	5x	5460	5800	106
PFO3OA	SDI	Groundwater	50000 ng/L	1x	50460	54000	107
PFO3OA	SDI	Groundwater	50000 ng/L	5x	50460	47000	93
PFO3OA	SDI	Groundwater	50000 ng/L	100x	50460	43000	85



**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
PFO4DA	SPE	River Water	0 ng/L	1x	--	<2	--
PFO4DA	SPE	River Water	10 ng/L	1x	10	10	100
PFO4DA	SPE	River Water	10 ng/L	2x	10	11	110
PFO4DA	SPE	River Water	10 ng/L	5x	10	9.9	99
PFO4DA	SPE	River Water	10 ng/L	10x	10	9.5	95
PFO4DA	SPE	River Water	50 ng/L	1x	50	54	108
PFO4DA	SPE	River Water	50 ng/L	2x	50	52	104
PFO4DA	SPE	River Water	50 ng/L	5x	50	51	102
PFO4DA	SPE	River Water	50 ng/L	10x	50	53	106
PFO4DA	SPE	River Water	400 ng/L	1x	400	430	108
PFO4DA	SPE	River Water	400 ng/L	2.5x	400	460	115
PFO4DA	SPE	River Water	400 ng/L	2x	400	420	105
PFO4DA	SPE	River Water	400 ng/L	5x	400	410	103
PFO4DA	SPE	River Water	400 ng/L	6.25x	400	400	100
PFO4DA	SPE	River Water	400 ng/L	10x	400	410	103
PFO4DA	SPE	Groundwater	0 ng/L	1x	--	<2	--
PFO4DA	SPE	Groundwater	400 ng/L	1x	400	450	113
PFO4DA	SPE	Groundwater	400 ng/L	2.5x	400	490	123
PFO4DA	SPE	Groundwater	400 ng/L	6.25x	400	390	98
PFO4DA	SPE	Groundwater	400 ng/L	10x	400	400	100
PFO4DA	SDI	River Water	400 ng/L	1x	400	370	93
PFO4DA	SDI	River Water	400 ng/L	2x	400	400	100
PFO4DA	SDI	River Water	400 ng/L	5x	400	360	90
PFO4DA	SDI	River Water	400 ng/L	10x	400	<500	--
PFO4DA	SDI	River Water	5000 ng/L	1x	5000	5100	102
PFO4DA	SDI	River Water	5000 ng/L	2x	5000	5100	102
PFO4DA	SDI	River Water	5000 ng/L	5x	5000	5200	104
PFO4DA	SDI	River Water	5000 ng/L	10x	5000	4800	96
PFO4DA	SDI	River Water	50000 ng/L	1x	50000	46000	92
PFO4DA	SDI	River Water	50000 ng/L	2x	50000	46000	92
PFO4DA	SDI	River Water	50000 ng/L	5x	50000	42000	84
PFO4DA	SDI	River Water	50000 ng/L	10x	50000	42000	84
PFO4DA	SDI	River Water	50000 ng/L	100x	50000	41000	82
PFO4DA	SDI	Groundwater	400 ng/L	1x	400	370	93
PFO4DA	SDI	Groundwater	400 ng/L	5x	400	390	98
PFO4DA	SDI	Groundwater	5000 ng/L	1x	5000	5000	100
PFO4DA	SDI	Groundwater	5000 ng/L	5x	5000	5600	112
PFO4DA	SDI	Groundwater	50000 ng/L	1x	50000	47000	94
PFO4DA	SDI	Groundwater	50000 ng/L	5x	50000	46000	92
PFO4DA	SDI	Groundwater	50000 ng/L	100x	50000	48000	96

**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
PFO5DA	SPE	River Water	0 ng/L	1x	--	<2	--
PFO5DA	SPE	River Water	10 ng/L	1x	10	11 J	110
PFO5DA	SPE	River Water	10 ng/L	2x	10	9.8 J	98
PFO5DA	SPE	River Water	10 ng/L	5x	10	12 J	120
PFO5DA	SPE	River Water	10 ng/L	10x	10	<10	--
PFO5DA	SPE	River Water	50 ng/L	1x	50	67 J	134
PFO5DA	SPE	River Water	50 ng/L	2x	50	53 J	106
PFO5DA	SPE	River Water	50 ng/L	5x	50	49 J	98
PFO5DA	SPE	River Water	50 ng/L	10x	50	53 J	106
PFO5DA	SPE	River Water	400 ng/L	1x	400	530 J	133
PFO5DA	SPE	River Water	400 ng/L	2.5x	400	420 J	105
PFO5DA	SPE	River Water	400 ng/L	2x	400	410 J	103
PFO5DA	SPE	River Water	400 ng/L	5x	400	490 J	123
PFO5DA	SPE	River Water	400 ng/L	6.25x	400	390 J	98
PFO5DA	SPE	River Water	400 ng/L	10x	400	460 J	115
PFO5DA	SPE	Groundwater	0 ng/L	1x	--	320	--
PFO5DA	SPE	Groundwater	400 ng/L	1x	720	920	128
PFO5DA	SPE	Groundwater	400 ng/L	2.5x	720	680	94
PFO5DA	SPE	Groundwater	400 ng/L	6.25x	720	760	106
PFO5DA	SPE	Groundwater	400 ng/L	10x	720	780	108
PFO5DA	SDI	River Water	400 ng/L	1x	400	420	105
PFO5DA	SDI	River Water	400 ng/L	2x	400	320	80
PFO5DA	SDI	River Water	400 ng/L	5x	400	<630	--
PFO5DA	SDI	River Water	400 ng/L	10x	400	<1300	--
PFO5DA	SDI	River Water	5000 ng/L	1x	5000	4400	88
PFO5DA	SDI	River Water	5000 ng/L	2x	5000	5900	118
PFO5DA	SDI	River Water	5000 ng/L	5x	5000	4500	90
PFO5DA	SDI	River Water	5000 ng/L	10x	5000	5300	106
PFO5DA	SDI	River Water	50000 ng/L	1x	50000	35000	70
PFO5DA	SDI	River Water	50000 ng/L	2x	50000	45000	90
PFO5DA	SDI	River Water	50000 ng/L	5x	50000	42000	84
PFO5DA	SDI	River Water	50000 ng/L	10x	50000	45000	90
PFO5DA	SDI	River Water	50000 ng/L	100x	50000	36000	72
PFO5DA	SDI	Groundwater	400 ng/L	1x	720	720	100
PFO5DA	SDI	Groundwater	400 ng/L	5x	720	<630	--
PFO5DA	SDI	Groundwater	5000 ng/L	1x	5320	5100	96
PFO5DA	SDI	Groundwater	5000 ng/L	5x	5320	4400	83
PFO5DA	SDI	Groundwater	50000 ng/L	1x	50320	38000	76
PFO5DA	SDI	Groundwater	50000 ng/L	5x	50320	48000	95
PFO5DA	SDI	Groundwater	50000 ng/L	100x	50320	52000	103

**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
PMPA	SPE	River Water	0 ng/L	1x	--	16	--
PMPA	SPE	River Water	10 ng/L	1x	26	27	104
PMPA	SPE	River Water	10 ng/L	2x	26	30	115
PMPA	SPE	River Water	10 ng/L	5x	26	25	96
PMPA	SPE	River Water	10 ng/L	10x	26	26	100
PMPA	SPE	River Water	50 ng/L	1x	66	71	108
PMPA	SPE	River Water	50 ng/L	2x	66	67	102
PMPA	SPE	River Water	50 ng/L	5x	66	62	94
PMPA	SPE	River Water	50 ng/L	10x	66	68	103
PMPA	SPE	River Water	400 ng/L	1x	416	410	99
PMPA	SPE	River Water	400 ng/L	2.5x	416	420	101
PMPA	SPE	River Water	400 ng/L	2x	416	410	99
PMPA	SPE	River Water	400 ng/L	5x	416	400	96
PMPA	SPE	River Water	400 ng/L	6.25x	416	410	99
PMPA	SPE	River Water	400 ng/L	10x	416	390	94
PMPA	SPE	Groundwater	0 ng/L	1x	--	2300	--
PMPA	SPE	Groundwater	400 ng/L	1x	2700	2500	93
PMPA	SPE	Groundwater	400 ng/L	2.5x	2700	2700	100
PMPA	SPE	Groundwater	400 ng/L	6.25x	2700	2500	93
PMPA	SPE	Groundwater	400 ng/L	10x	2700	2600	96
PMPA	SDI	River Water	400 ng/L	1x	416	370	89
PMPA	SDI	River Water	400 ng/L	2x	416	390	94
PMPA	SDI	River Water	400 ng/L	5x	416	310	75
PMPA	SDI	River Water	400 ng/L	10x	416	460	111
PMPA	SDI	River Water	5000 ng/L	1x	5016	4900	98
PMPA	SDI	River Water	5000 ng/L	2x	5016	5500	110
PMPA	SDI	River Water	5000 ng/L	5x	5016	5200	104
PMPA	SDI	River Water	5000 ng/L	10x	5016	4900	98
PMPA	SDI	River Water	50000 ng/L	1x	50016	44000	88
PMPA	SDI	River Water	50000 ng/L	2x	50016	43000	86
PMPA	SDI	River Water	50000 ng/L	5x	50016	42000	84
PMPA	SDI	River Water	50000 ng/L	10x	50016	41000	82
PMPA	SDI	River Water	50000 ng/L	100x	50016	42000	84
PMPA	SDI	Groundwater	400 ng/L	1x	2700	2800	104
PMPA	SDI	Groundwater	400 ng/L	5x	2700	2800	104
PMPA	SDI	Groundwater	5000 ng/L	1x	7300	7500	103
PMPA	SDI	Groundwater	5000 ng/L	5x	7300	7200	99
PMPA	SDI	Groundwater	50000 ng/L	1x	52300	40000	76
PMPA	SDI	Groundwater	50000 ng/L	5x	52300	47000	90
PMPA	SDI	Groundwater	50000 ng/L	100x	52300	43000	82

**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
PFPrA	SPE	River Water	0 ng/L	1x	--	18 J	--
PFPrA	SPE	River Water	10 ng/L	1x	28	31 J	111
PFPrA	SPE	River Water	10 ng/L	2x	28	28	100
PFPrA	SPE	River Water	10 ng/L	5x	28	21	75
PFPrA	SPE	River Water	10 ng/L	10x	28	18	64
PFPrA	SPE	River Water	50 ng/L	1x	68	56	82
PFPrA	SPE	River Water	50 ng/L	2x	68	71	104
PFPrA	SPE	River Water	50 ng/L	5x	68	59	87
PFPrA	SPE	River Water	50 ng/L	10x	68	59	87
PFPrA	SPE	River Water	400 ng/L	1x	418	380	91
PFPrA	SPE	River Water	400 ng/L	2.5x	418	400	96
PFPrA	SPE	River Water	400 ng/L	2x	418	380	91
PFPrA	SPE	River Water	400 ng/L	5x	418	420	100
PFPrA	SPE	River Water	400 ng/L	6.25x	418	410	98
PFPrA	SPE	River Water	400 ng/L	10x	418	400	96
PFPrA	SPE	Groundwater	0 ng/L	1x	--	1500	--
PFPrA	SPE	Groundwater	400 ng/L	1x	1900	2000	105
PFPrA	SPE	Groundwater	400 ng/L	2.5x	1900	2100	111
PFPrA	SPE	Groundwater	400 ng/L	6.25x	1900	2000	105
PFPrA	SPE	Groundwater	400 ng/L	10x	1900	1900	100
PFPrA	SDI	River Water	400 ng/L	1x	418	360	86
PFPrA	SDI	River Water	400 ng/L	2x	418	310	74
PFPrA	SDI	River Water	400 ng/L	5x	418	290	69
PFPrA	SDI	River Water	400 ng/L	10x	418	<440	--
PFPrA	SDI	River Water	5000 ng/L	1x	5018	4800	96
PFPrA	SDI	River Water	5000 ng/L	2x	5018	5200	104
PFPrA	SDI	River Water	5000 ng/L	5x	5018	4800	96
PFPrA	SDI	River Water	5000 ng/L	10x	5018	4300	86
PFPrA	SDI	River Water	50000 ng/L	1x	50018	43000	86
PFPrA	SDI	River Water	50000 ng/L	2x	50018	42000	84
PFPrA	SDI	River Water	50000 ng/L	5x	50018	42000	84
PFPrA	SDI	River Water	50000 ng/L	10x	50018	39000	78
PFPrA	SDI	River Water	50000 ng/L	100x	50018	33000	66
PFPrA	SDI	Groundwater	400 ng/L	1x	1900	1800	95
PFPrA	SDI	Groundwater	400 ng/L	5x	1900	1700	89
PFPrA	SDI	Groundwater	5000 ng/L	1x	6500	6000	92
PFPrA	SDI	Groundwater	5000 ng/L	5x	6500	6000	92
PFPrA	SDI	Groundwater	50000 ng/L	1x	51500	38000	74
PFPrA	SDI	Groundwater	50000 ng/L	5x	51500	43000	83
PFPrA	SDI	Groundwater	50000 ng/L	100x	51500	37000	72

**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
PS Acid	SPE	River Water	0 ng/L	1x	--	<2	--
PS Acid	SPE	River Water	10 ng/L	1x	10	8.4	84
PS Acid	SPE	River Water	10 ng/L	2x	10	8.8	88
PS Acid	SPE	River Water	10 ng/L	5x	10	7.3	73
PS Acid	SPE	River Water	10 ng/L	10x	10	7.1	71
PS Acid	SPE	River Water	50 ng/L	1x	50	50	100
PS Acid	SPE	River Water	50 ng/L	2x	50	50	100
PS Acid	SPE	River Water	50 ng/L	5x	50	43	86
PS Acid	SPE	River Water	50 ng/L	10x	50	44	88
PS Acid	SPE	River Water	400 ng/L	1x	400	310	78
PS Acid	SPE	River Water	400 ng/L	2.5x	400	260	65
PS Acid	SPE	River Water	400 ng/L	2x	400	280 J	70
PS Acid	SPE	River Water	400 ng/L	5x	400	360	90
PS Acid	SPE	River Water	400 ng/L	6.25x	400	370	93
PS Acid	SPE	River Water	400 ng/L	10x	400	350	88
PS Acid	SPE	Groundwater	0 ng/L	1x	--	<2	--
PS Acid	SPE	Groundwater	400 ng/L	1x	400	380	95
PS Acid	SPE	Groundwater	400 ng/L	2.5x	400	330	83
PS Acid	SPE	Groundwater	400 ng/L	6.25x	400	350	88
PS Acid	SPE	Groundwater	400 ng/L	10x	400	330	83
PS Acid	SDI	River Water	400 ng/L	1x	400	360	90
PS Acid	SDI	River Water	400 ng/L	2x	400	340	85
PS Acid	SDI	River Water	400 ng/L	5x	400	370	93
PS Acid	SDI	River Water	400 ng/L	10x	400	<500	--
PS Acid	SDI	River Water	5000 ng/L	1x	5000	4900	98
PS Acid	SDI	River Water	5000 ng/L	2x	5000	5400	108
PS Acid	SDI	River Water	5000 ng/L	5x	5000	5000	100
PS Acid	SDI	River Water	5000 ng/L	10x	5000	5000	100
PS Acid	SDI	River Water	50000 ng/L	1x	50000	37000	74
PS Acid	SDI	River Water	50000 ng/L	2x	50000	37000	74
PS Acid	SDI	River Water	50000 ng/L	5x	50000	43000	86
PS Acid	SDI	River Water	50000 ng/L	10x	50000	43000	86
PS Acid	SDI	River Water	50000 ng/L	100x	50000	42000	84
PS Acid	SDI	Groundwater	400 ng/L	1x	400	400	100
PS Acid	SDI	Groundwater	400 ng/L	5x	400	410	103
PS Acid	SDI	Groundwater	5000 ng/L	1x	5000	5200	104
PS Acid	SDI	Groundwater	5000 ng/L	5x	5000	4500	90
PS Acid	SDI	Groundwater	50000 ng/L	1x	50000	31000	62
PS Acid	SDI	Groundwater	50000 ng/L	5x	50000	45000	90
PS Acid	SDI	Groundwater	50000 ng/L	100x	50000	39000	78

**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
R-PSDCA	SPE	River Water	0 ng/L	1x	--	<3	--
R-PSDCA	SPE	River Water	10 ng/L	1x	10	7.6 J	76
R-PSDCA	SPE	River Water	10 ng/L	2x	10	9.1 J	91
R-PSDCA	SPE	River Water	10 ng/L	5x	10	7.3 J	73
R-PSDCA	SPE	River Water	10 ng/L	10x	10	<14	--
R-PSDCA	SPE	River Water	50 ng/L	1x	50	45 J	90
R-PSDCA	SPE	River Water	50 ng/L	2x	50	38 J	76
R-PSDCA	SPE	River Water	50 ng/L	5x	50	38 J	76
R-PSDCA	SPE	River Water	50 ng/L	10x	50	32 J	64
R-PSDCA	SPE	River Water	400 ng/L	1x	400	420 J	105
R-PSDCA	SPE	River Water	400 ng/L	2.5x	400	450 J	113
R-PSDCA	SPE	River Water	400 ng/L	2x	400	430 J	108
R-PSDCA	SPE	River Water	400 ng/L	5x	400	330 J	83
R-PSDCA	SPE	River Water	400 ng/L	6.25x	400	300 J	75
R-PSDCA	SPE	River Water	400 ng/L	10x	400	310 J	78
R-PSDCA	SPE	Groundwater	0 ng/L	1x	--	<3	--
R-PSDCA	SPE	Groundwater	400 ng/L	1x	400	480	120
R-PSDCA	SPE	Groundwater	400 ng/L	2.5x	400	480	120
R-PSDCA	SPE	Groundwater	400 ng/L	6.25x	400	330	83
R-PSDCA	SPE	Groundwater	400 ng/L	10x	400	310	78
R-PSDCA	SDI	River Water	400 ng/L	1x	400	260	65
R-PSDCA	SDI	River Water	400 ng/L	2x	400	420	105
R-PSDCA	SDI	River Water	400 ng/L	5x	400	<880	--
R-PSDCA	SDI	River Water	400 ng/L	10x	400	<1800	--
R-PSDCA	SDI	River Water	5000 ng/L	1x	5000	4300	86
R-PSDCA	SDI	River Water	5000 ng/L	2x	5000	4000	80
R-PSDCA	SDI	River Water	5000 ng/L	5x	5000	3900 J	78
R-PSDCA	SDI	River Water	5000 ng/L	10x	5000	3800	76
R-PSDCA	SDI	River Water	50000 ng/L	1x	50000	46000	92
R-PSDCA	SDI	River Water	50000 ng/L	2x	50000	47000	94
R-PSDCA	SDI	River Water	50000 ng/L	5x	50000	36000	72
R-PSDCA	SDI	River Water	50000 ng/L	10x	50000	32000	64
R-PSDCA	SDI	River Water	50000 ng/L	100x	50000	27000	54
R-PSDCA	SDI	Groundwater	400 ng/L	1x	400	370	93
R-PSDCA	SDI	Groundwater	400 ng/L	5x	400	<880	--
R-PSDCA	SDI	Groundwater	5000 ng/L	1x	5000	4000	80
R-PSDCA	SDI	Groundwater	5000 ng/L	5x	5000	5000	100
R-PSDCA	SDI	Groundwater	50000 ng/L	1x	50000	42000	84
R-PSDCA	SDI	Groundwater	50000 ng/L	5x	50000	37000	74
R-PSDCA	SDI	Groundwater	50000 ng/L	100x	50000	30000	60

**TABLE 3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

*Notes:*

- < - result is below reporting limit
- - percent of expected not calculated for samples without amendment or where the measured concentration was below the reporting limit.
- % - percent
- ng/L - nanograms per liter

EVE Acid - 2,2,3,3-tetrafluoro-3-({1,1,1,2,3,3,3-hexafluoro-3-[(1,2,2-trifluoroethenyl)oxy]propan-2-yl}oxy)propionic acid

HFPO-DA - Hexafluoropropylene oxide dimer acid

Hydro-PS Acid - Ethanesulfonic acid, 2-[1-[difluoro(1,2,2,2-tetrafluoroethoxy)methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-

Hydro-EVE Acid - 2,2,3,3-tetrafluoro-3-({1,1,1,2,3,3,3-hexafluoro-3-[(1,2,2,2-tetrafluoroethyl)oxy]propan-2-yl}oxy)propionic acid

Hydrolyzed PSDA - Acetic acid, 2-fluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2-tetrafluoro-2-sulfoethoxy)propoxy]-

MTP - 3-methoxy-2,2,3,3-tetrafluoropropanoic acid

NVHOS - 1,1,2,2,4,5,5,5-heptafluoro-3-oxapentanesulfonic acid

PEPA - perfluoro-2-ethoxypropionic acid

PES - Perfluoro-2-ethoxyethanesulfonic acid

PFECA B - Perfluoro-3,6-dioxahexanoic acid

PFECA-G - Perfluoro-4-isopropoxybutanoic acid

PFMOAA - Perfluoro-2-methoxyacetic acid

PFO2HxA - Perfluoro-3,5-dioxahexanoic acid

PFO3OA - Perfluoro-3,5,7-trioxaoctanoic acid

PFO4DA - Perfluoro-3,5,7,9,11-pentaoxadodecanoic acid

PFO5DA - Perfluoro-3,5,7,9,11-pentaoxadodecanoic acid

PMPA - Perfluoro-2-methoxypropionic acid

PFPrA - Perfluoropropionic acid (formerly known as PPF Acid)

PS Acid - Ethanesulfonic acid, 2-[1-[difluoro[(1,2,2-trifluoroethenyl)oxy]methyl]-1,2,2,2-tetrafluoroethoxy]-1,1,2,2-tetrafluoro-

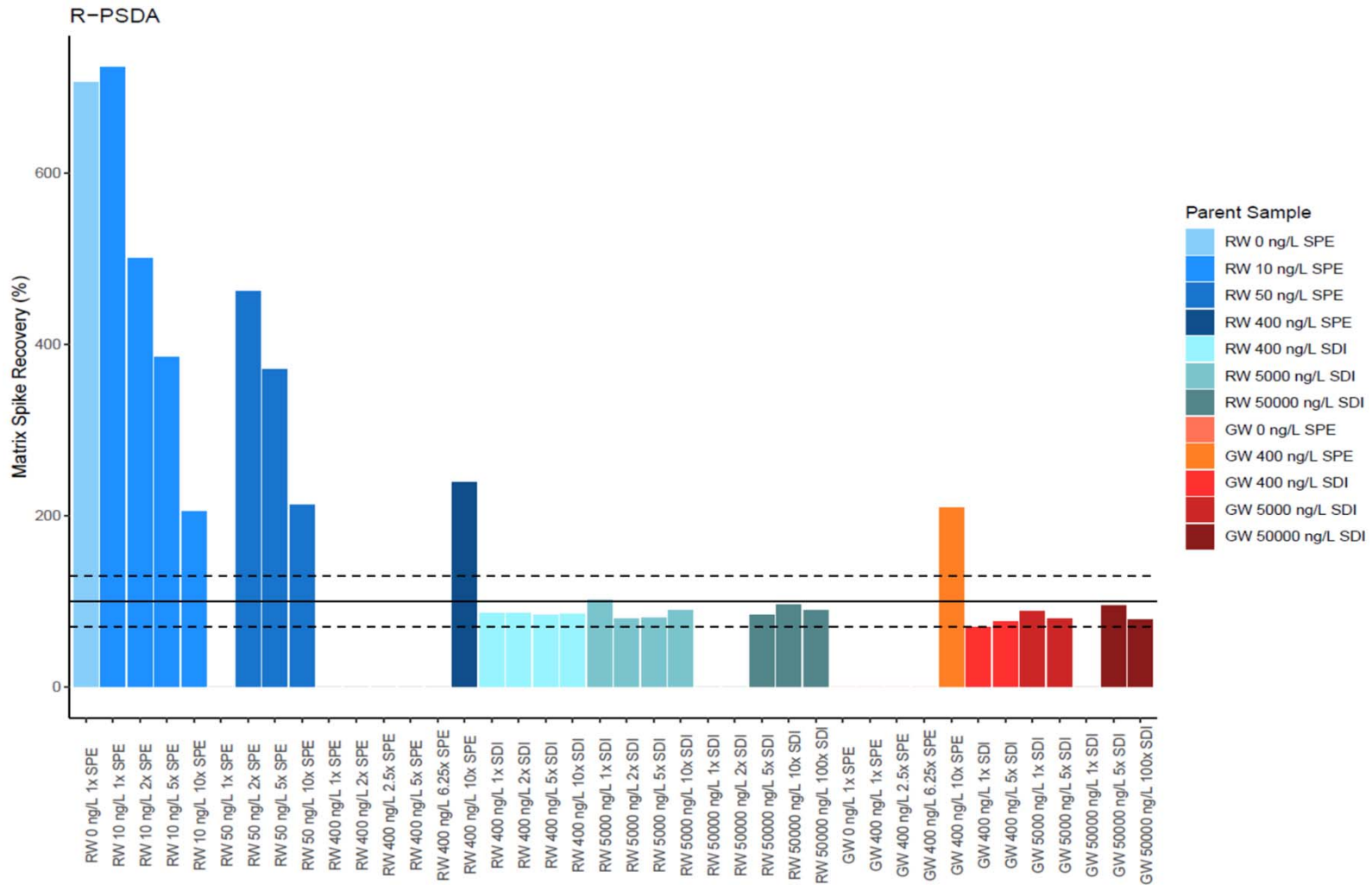
R-PSDCA - Ethanesulfonic acid, 1,1,2,2-tetrafluoro-2-[1,2,2,3,3-pentafluoro-1-(trifluoromethyl)propoxy]-

R-PSDA - Pentanoic acid, 2,2,3,3,4,5,5,5-octafluoro-4-(1,1,2,2-tetrafluoro-2-sulfoethoxy)-

R-EVE - Pentanoic acid, 4-(2-carboxy-1,1,2,2-tetrafluoroethoxy)-2,2,3,3,4,5,5,5-octafluoro-

SDI - solvent dilution / direct injection

SPE - solid phase extraction



**Notes:**

SPE - Solid Phase Extraction

SDI - Sample dilution direct injection

ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R

RW - River Water from Cape Fear River

Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

———— Ideal recovery of matrix spikes (100%)

- - - - - 70% & 130% recovery of matrix spikes

**Matrix Spike Recoveries of R-PSDA in 537 Mod Max  
Matrix Interference Study**

Chemours Fayetteville Works, North Carolina

**Geosyntec**  
consultants

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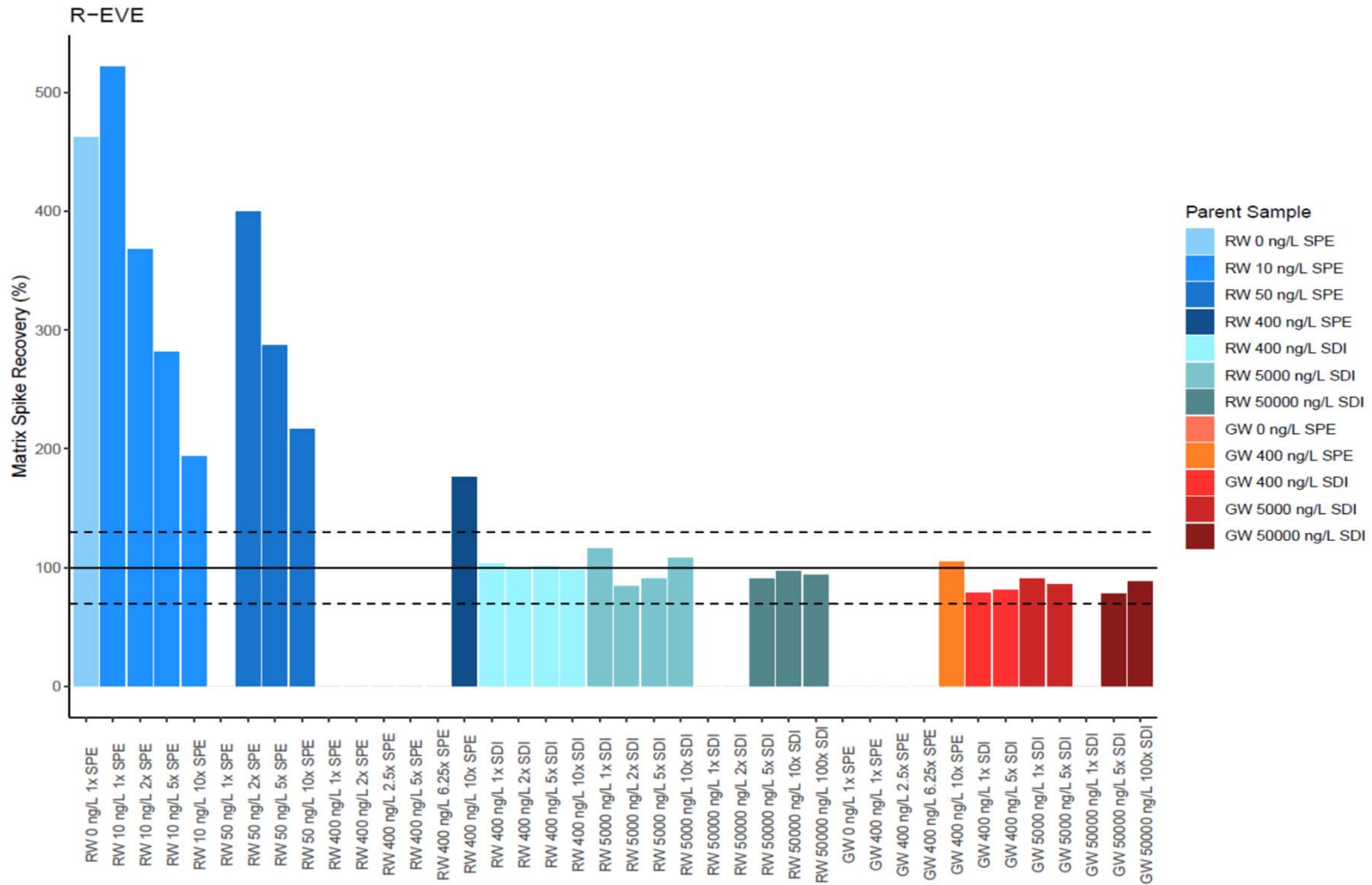
Figure

**1a**

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**Notes:**

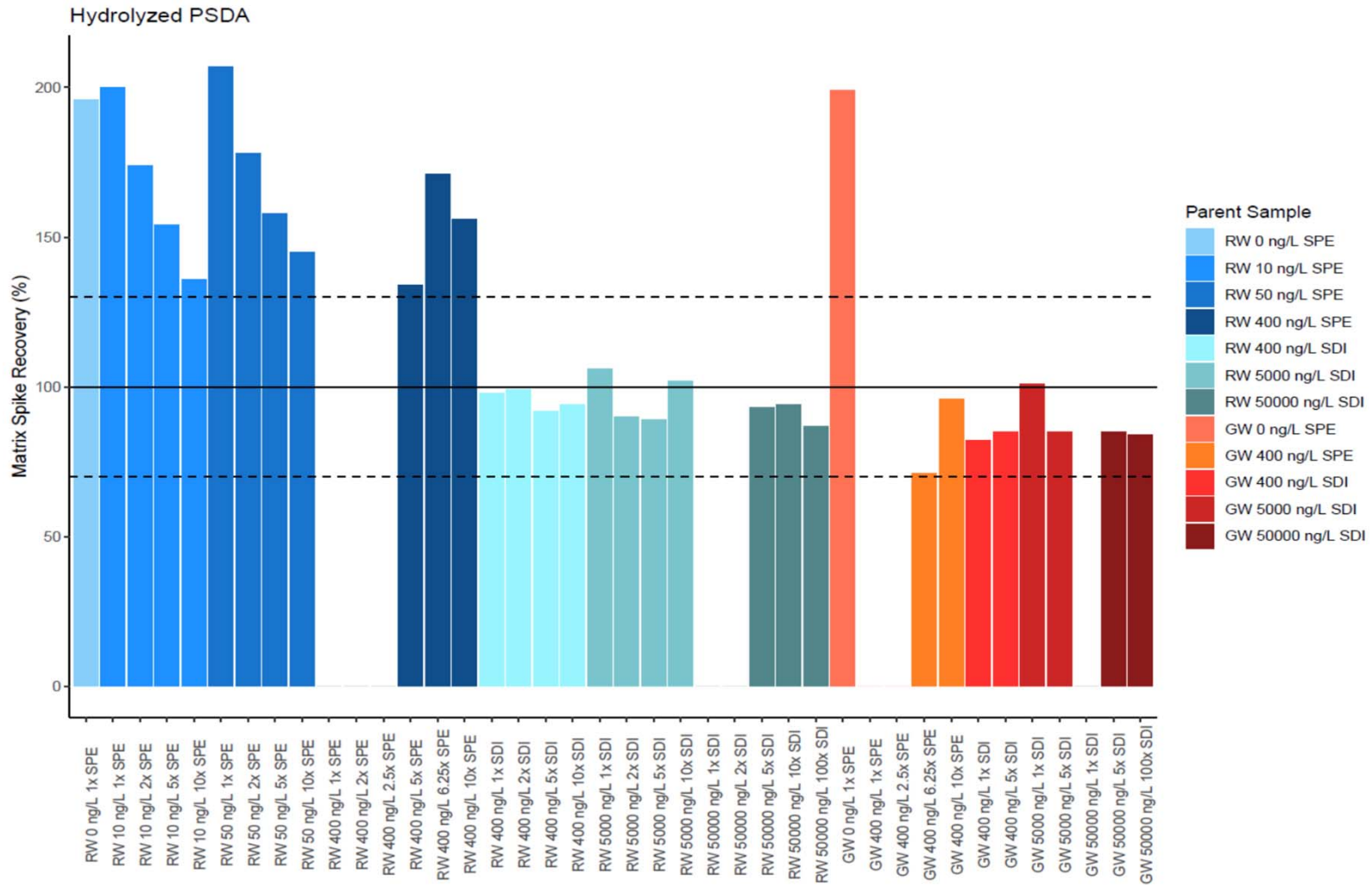
SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

- Ideal recovery of matrix spikes (100%)
- - - - - 70% & 130% recovery of matrix spikes

<b>Matrix Spike Recoveries of R-EVE in 537 Mod Max</b> <b>Matrix Interference Study</b> Chemours Fayetteville Works, North Carolina	
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<b>Figure 1b</b>	



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

- Ideal recovery of matrix spikes (100%)
- - - - - 70% & 130% recovery of matrix spikes

**Matrix Spike Recoveries of Hydrolyzed PSDA in 537 Mod  
 Max Matrix Interference Study**  
 Chemours Fayetteville Works, North Carolina

**Geosyntec**  
 consultants

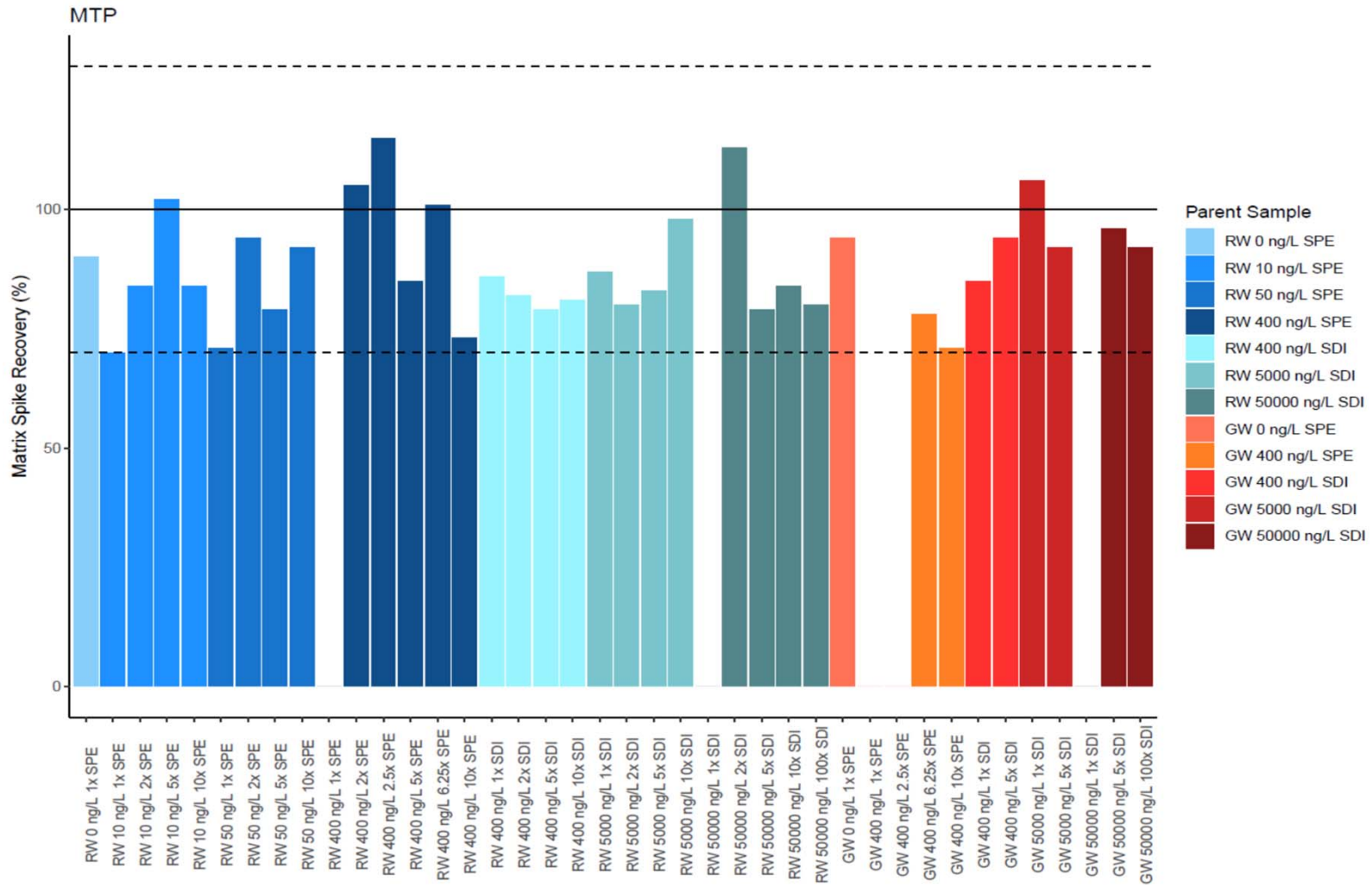
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May 2022

Figure

**1c**



**Notes:**

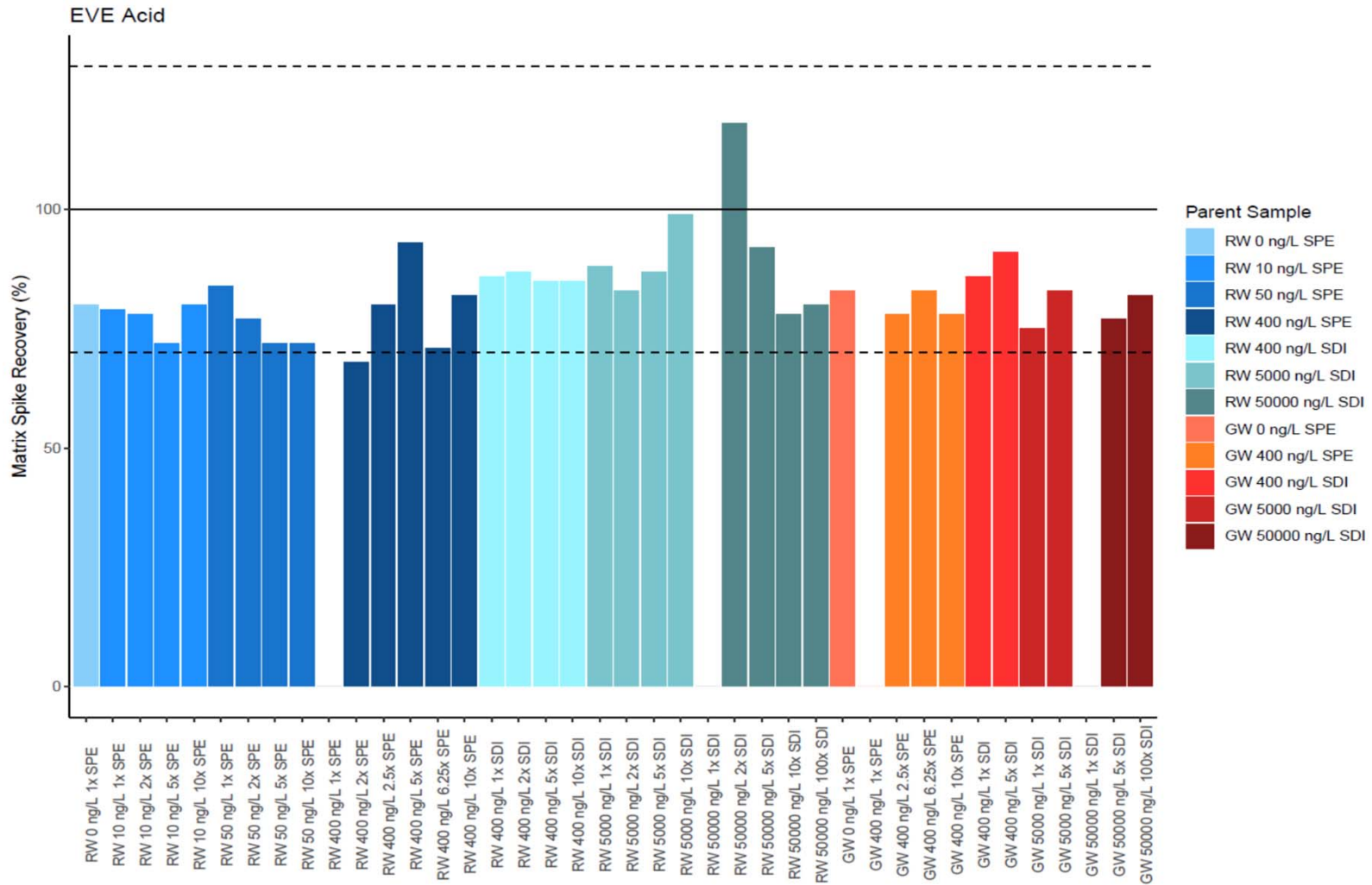
SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

- Ideal recovery of matrix spikes (100%)
- - - - - 70% & 130% recovery of matrix spikes

<b>Matrix Spike Recoveries of MTP in 537 Mod Max Matrix Interference Study</b> Chemours Fayetteville Works, North Carolina	
Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295	
Raleigh	May 2022
<b>Figure 1d</b>	



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

- Ideal recovery of matrix spikes (100%)
- - - - - 70% & 130% recovery of matrix spikes

**Matrix Spike Recoveries of EVE Acid in 537 Mod Max Matrix Interference Study**  
 Chemours Fayetteville Works, North Carolina

**Geosyntec**  
 consultants

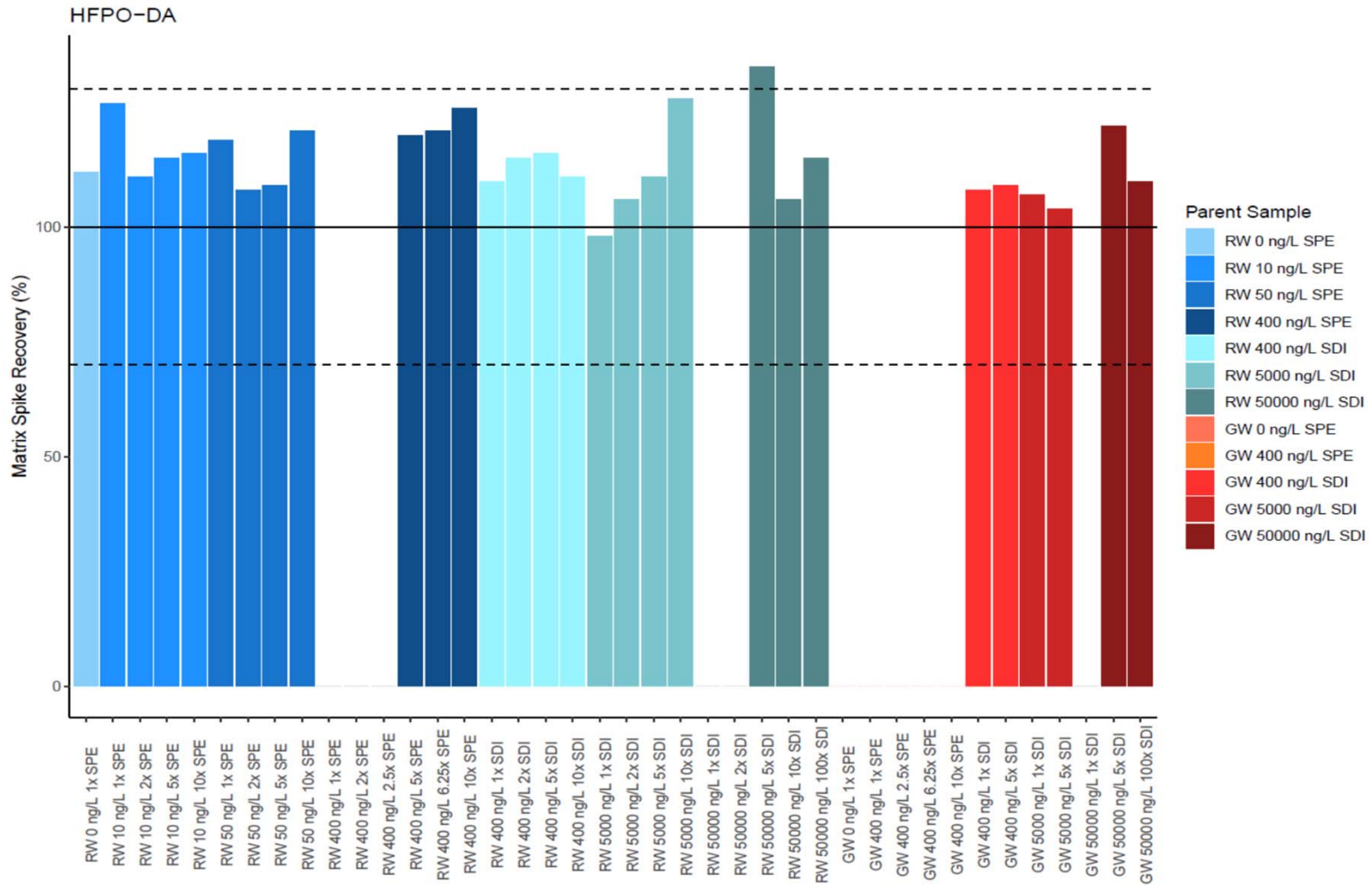
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May 2022

Figure

1e



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

- Ideal recovery of matrix spikes (100%)
- - - - - 70% & 130% recovery of matrix spikes

**Matrix Spike Recoveries of HFPO-DA in 537 Mod Max  
 Matrix Interference Study**  
 Chemours Fayetteville Works, North Carolina

**Geosyntec**  
 consultants

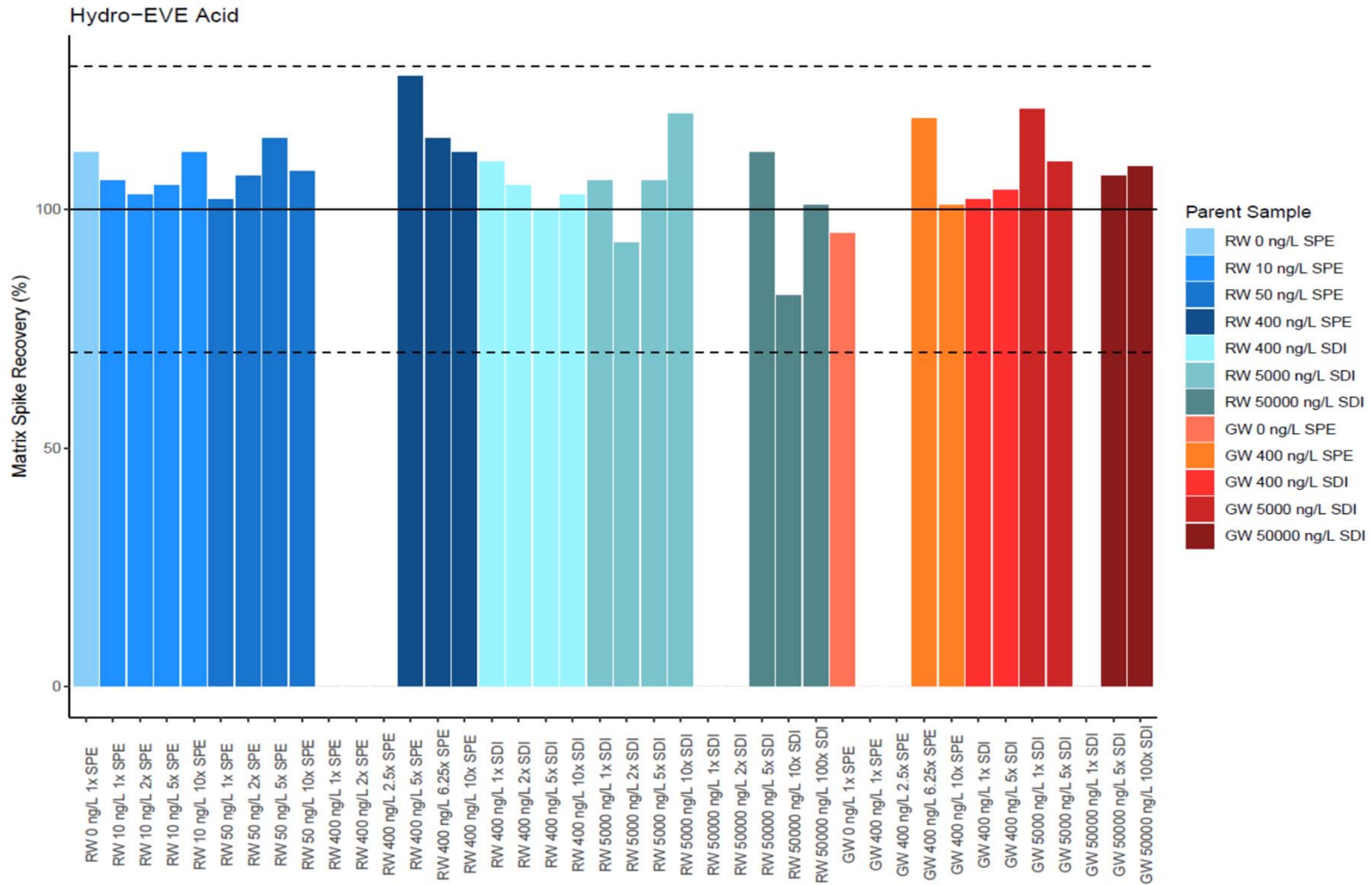
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Figure

1f



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

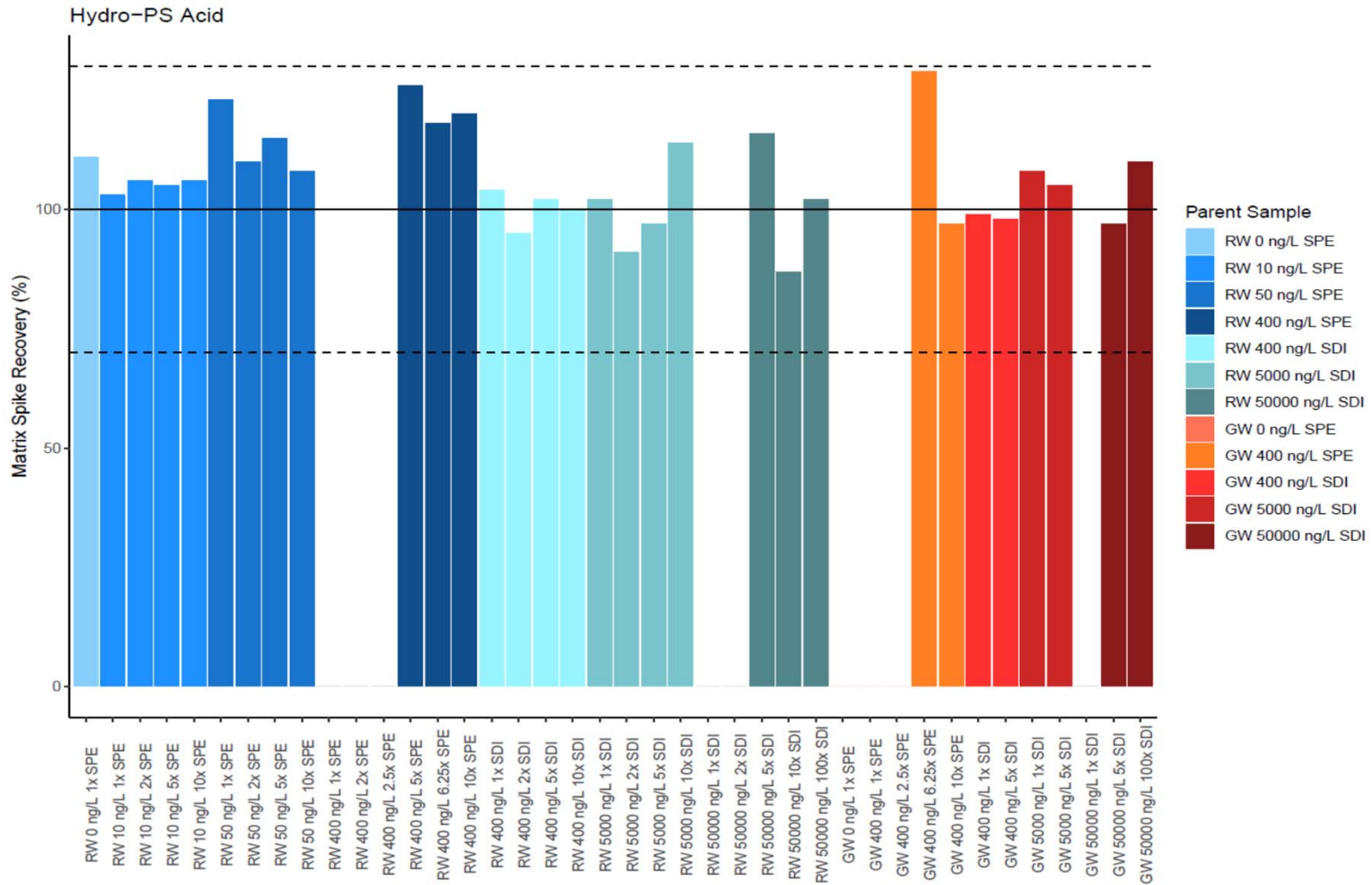
GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

- Ideal recovery of matrix spikes (100%)
- - - - - 70% & 130% recovery of matrix spikes

**Matrix Spike Recoveries of Hydro-EVE Acid in 537 Mod**  
**Max Matrix Interference Study**  
 Chemours Fayetteville Works, North Carolina

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	Raleigh	



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

- Ideal recovery of matrix spikes (100%)
- - - - - 70% & 130% recovery of matrix spikes

**Matrix Spike Recoveries of Hydro-PS Acid in 537 Mod  
 Max Matrix Interference Study**  
 Chemours Fayetteville Works, North Carolina

**Geosyntec**  
 consultants

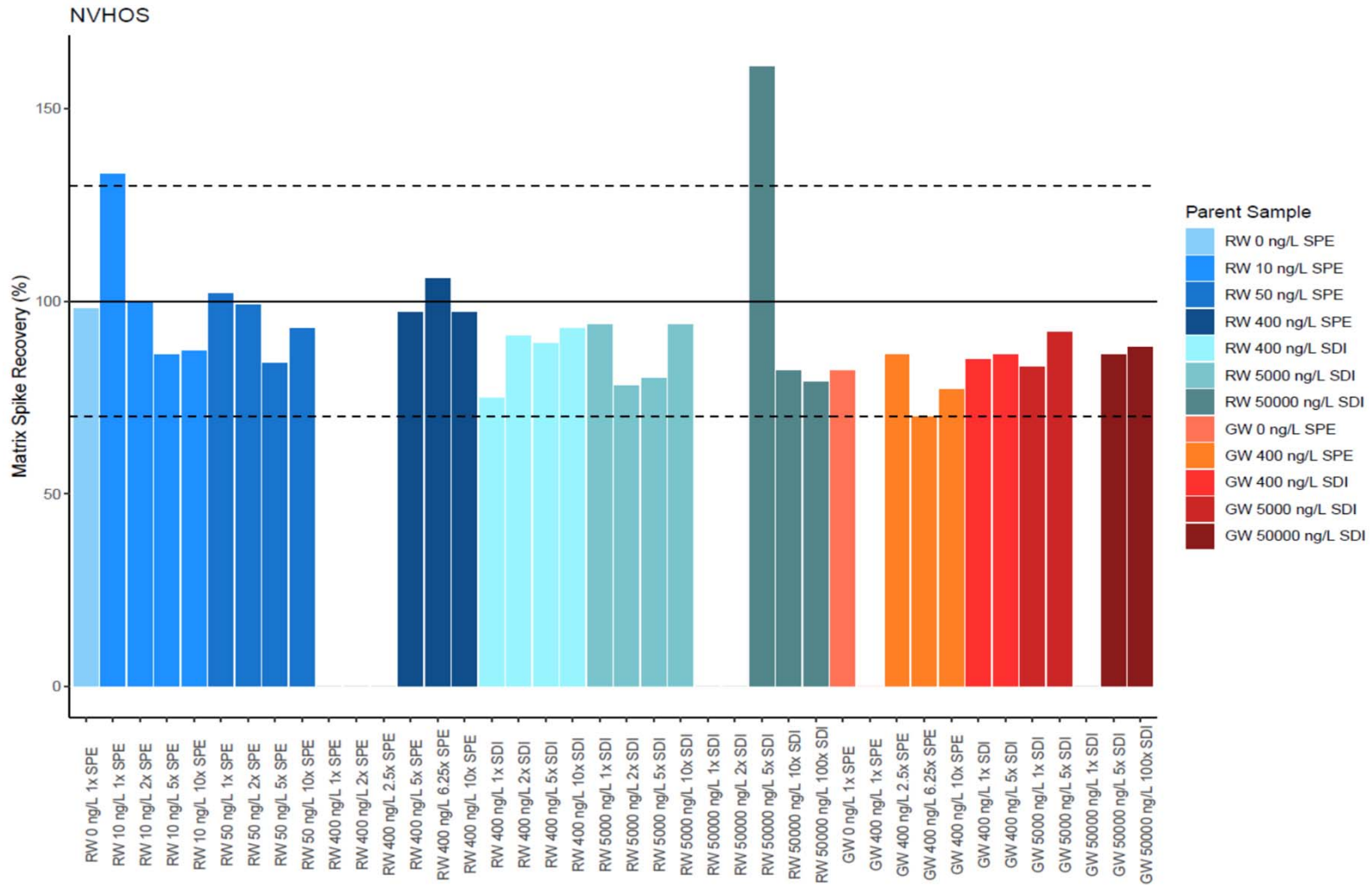
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May 2022

Figure

1h



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

- Ideal recovery of matrix spikes (100%)
- - - - - 70% & 130% recovery of matrix spikes

**Matrix Spike Recoveries of NVHOS in 537 Mod Max  
 Matrix Interference Study**

Chemours Fayetteville Works, North Carolina

**Geosyntec**  
 consultants

Geosyntec Consultants of NC, P.C.  
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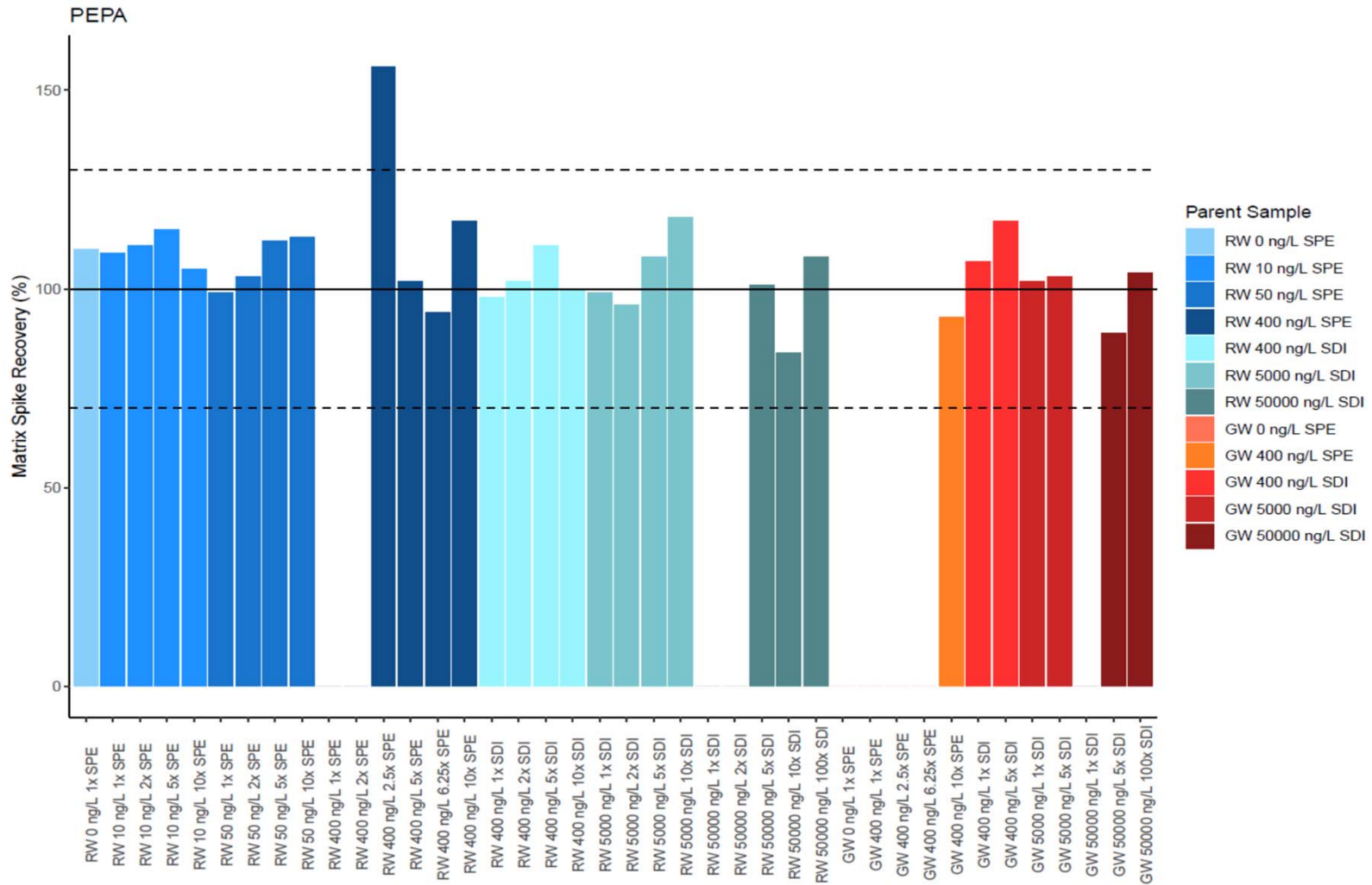
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May 2022

Figure

1i





**Notes:**

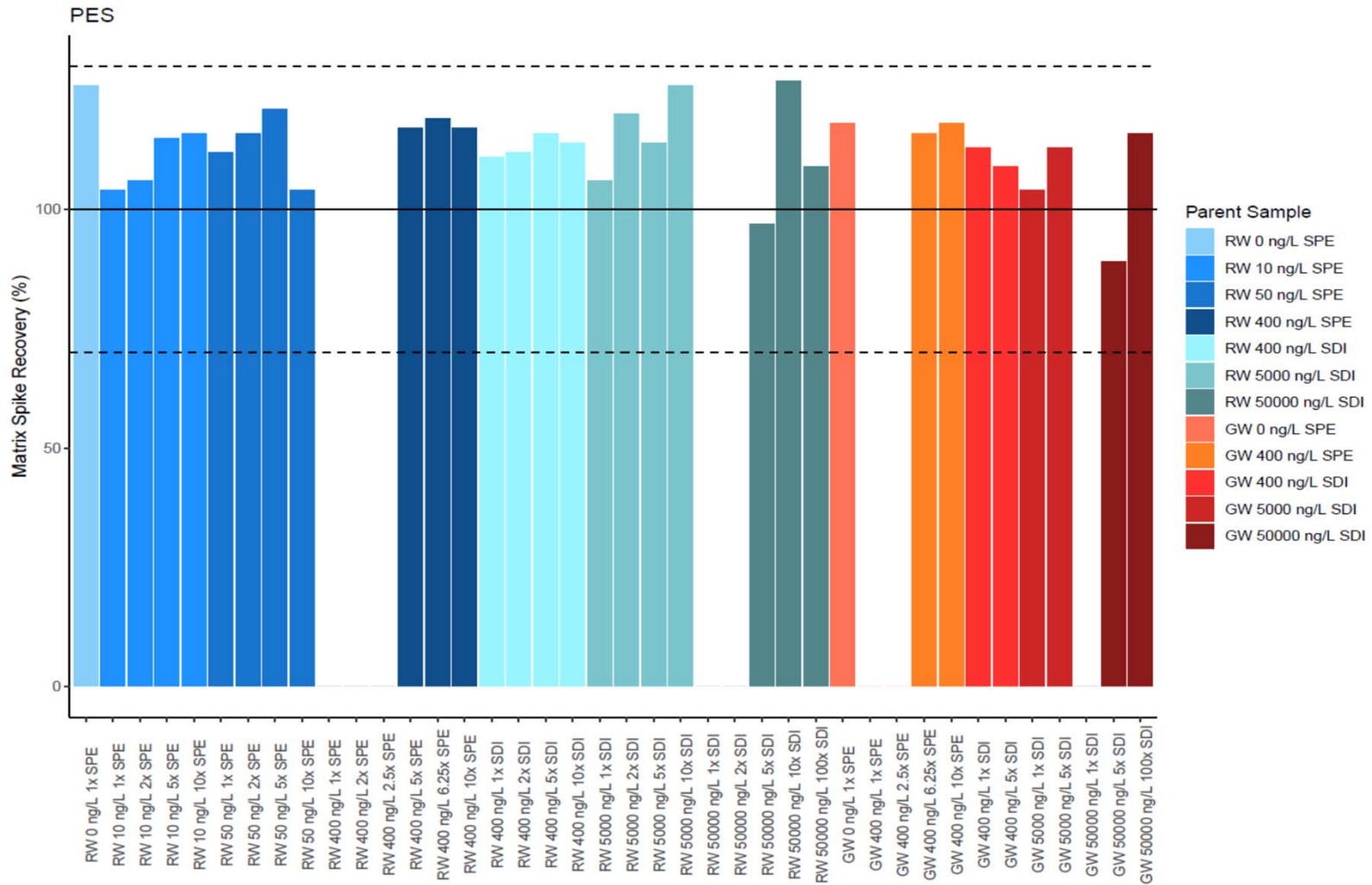
SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

- Ideal recovery of matrix spikes (100%)
- - - - - 70% & 130% recovery of matrix spikes

<b>Matrix Spike Recoveries of PEPA in 537 Mod Max Matrix Interference Study</b> Chemours Fayetteville Works, North Carolina	
Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295	
Raleigh	May 2022
<b>Figure 1j</b>	



**Notes:**

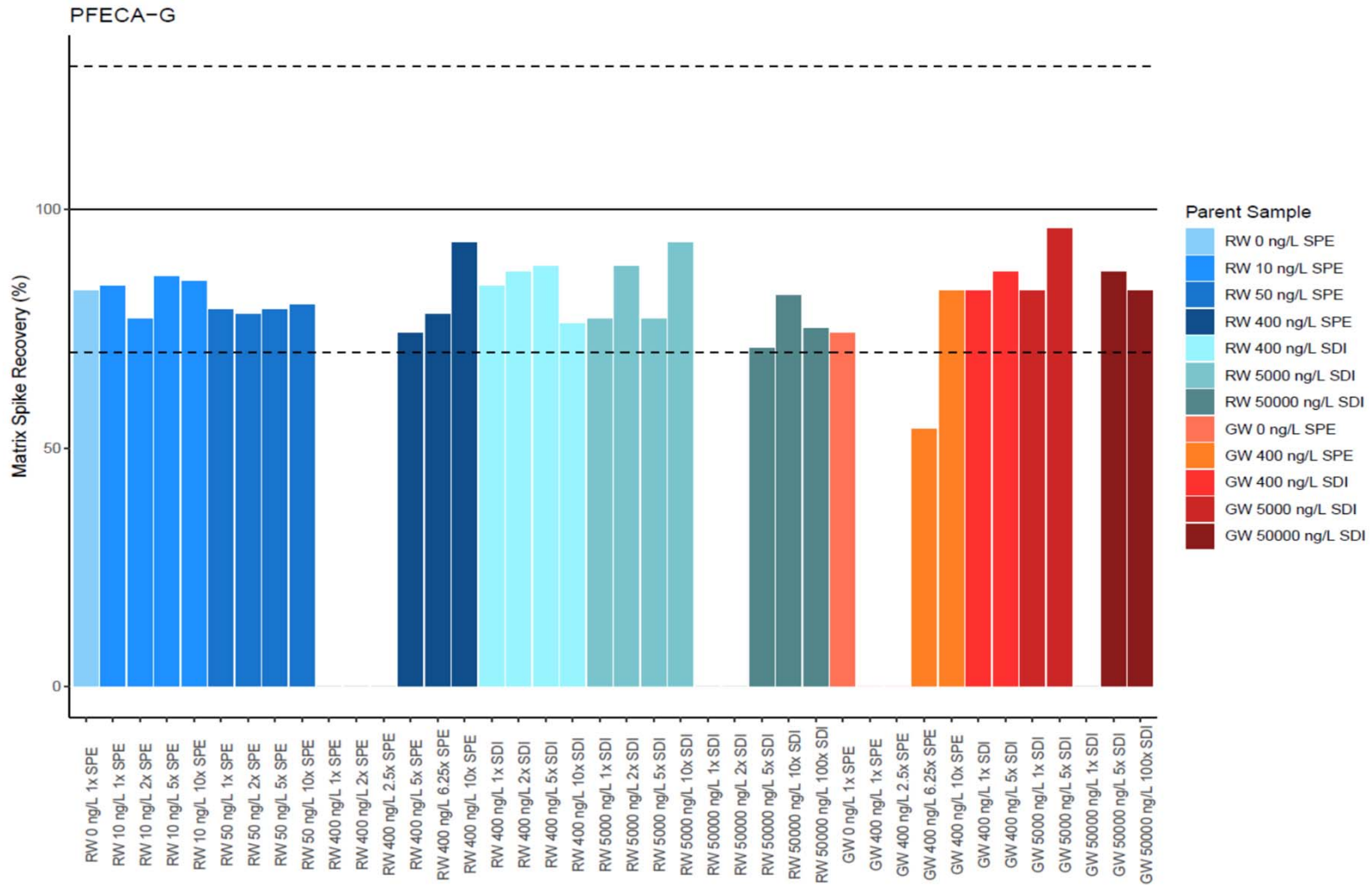
SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

- Ideal recovery of matrix spikes (100%)
- - - - - 70% & 130% recovery of matrix spikes

<b>Matrix Spike Recoveries of PES in 537 Mod Max Matrix Interference Study</b> Chemours Fayetteville Works, North Carolina	
Geosyntec Consultants of NC, P.C. NC License No.: C 3500 and C 295	
Raleigh	May 2022
<b>Figure 1k</b>	



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

- Ideal recovery of matrix spikes (100%)
- - - - - 70% & 130% recovery of matrix spikes

**Matrix Spike Recoveries of PFECA-G in 537 Mod Max  
 Matrix Interference Study**  
 Chemours Fayetteville Works, North Carolina

**Geosyntec**  
 consultants

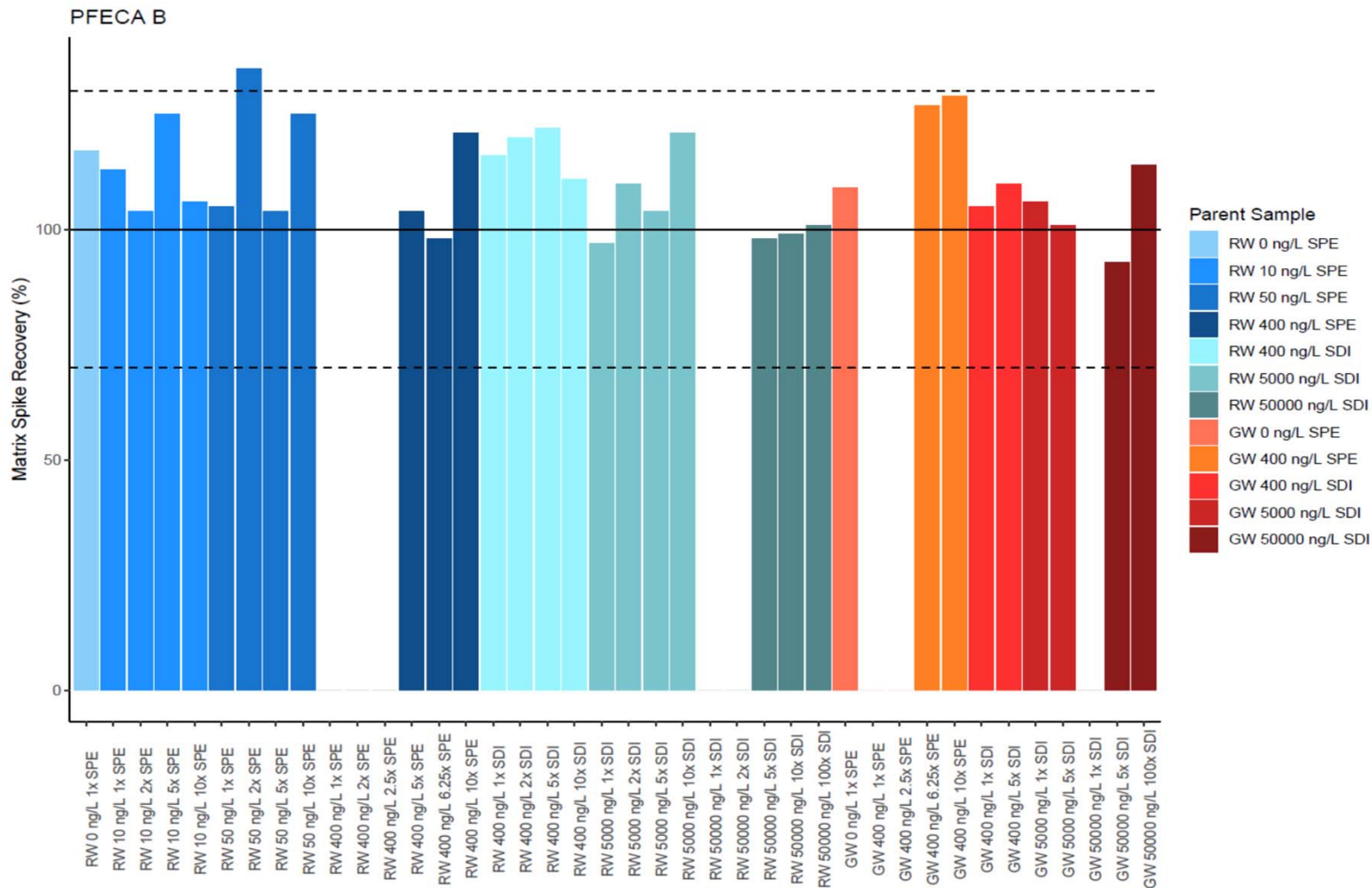
Geosyntec Consultants of NC, P.C.  
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Raleigh

May 2022

Figure

11



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

- Ideal recovery of matrix spikes (100%)
- - - - - 70% & 130% recovery of matrix spikes

**Matrix Spike Recoveries of PFECA B in 537 Mod Max Matrix Interference Study**  
 Chemours Fayetteville Works, North Carolina

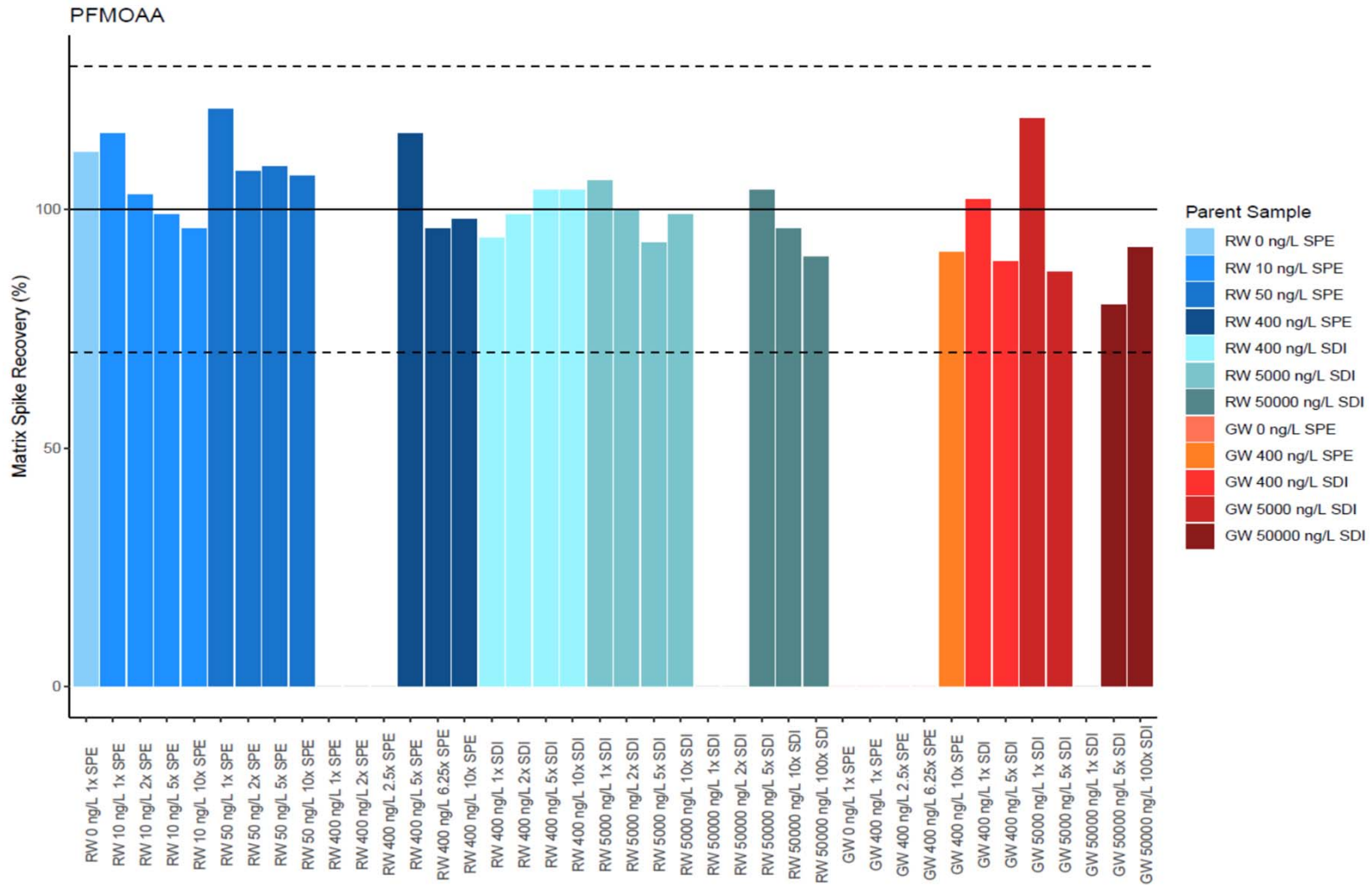
**Geosyntec**  
 consultants

Geosyntec Consultants of NC, P.C.  
 NC License No.: C 3500 and C 295

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May 2022

Figure  
 1m



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

- Ideal recovery of matrix spikes (100%)
- - - - - 70% & 130% recovery of matrix spikes

**Matrix Spike Recoveries of PFMOOA in 537 Mod Max  
 Matrix Interference Study**  
 Chemours Fayetteville Works, North Carolina

**Geosyntec**  
 consultants

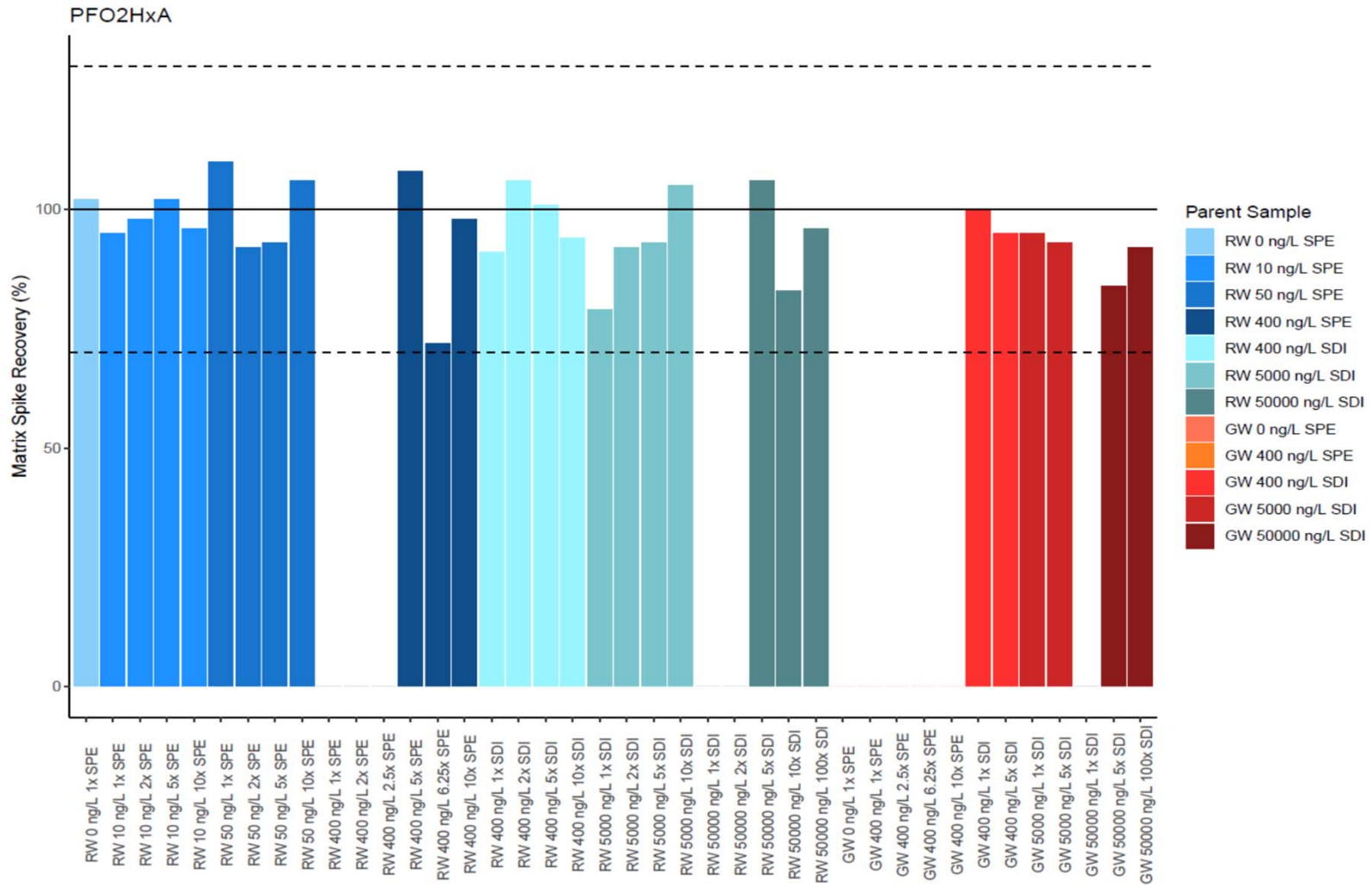
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May 2022

Figure

1n



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

- Ideal recovery of matrix spikes (100%)
- - - - - 70% & 130% recovery of matrix spikes

**Matrix Spike Recoveries of PFO2HxA in 537 Mod Max  
 Matrix Interference Study**  
 Chemours Fayetteville Works, North Carolina

**Geosyntec**  
 consultants

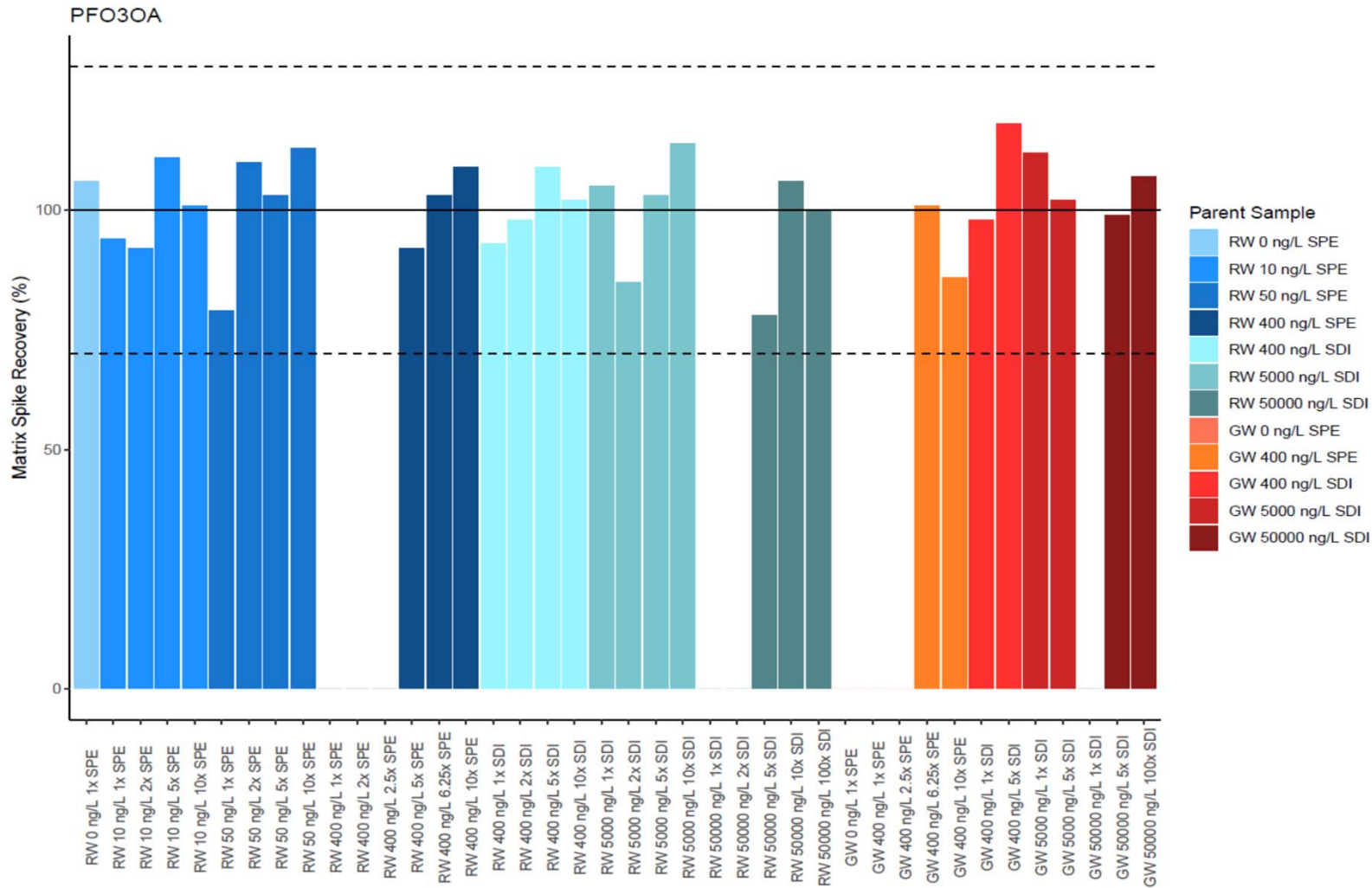
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May 2022

Figure

10



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

- Ideal recovery of matrix spikes (100%)
- - - - - 70% & 130% recovery of matrix spikes

**Matrix Spike Recoveries of PFO3OA in 537 Mod Max Matrix Interference Study**  
 Chemours Fayetteville Works, North Carolina

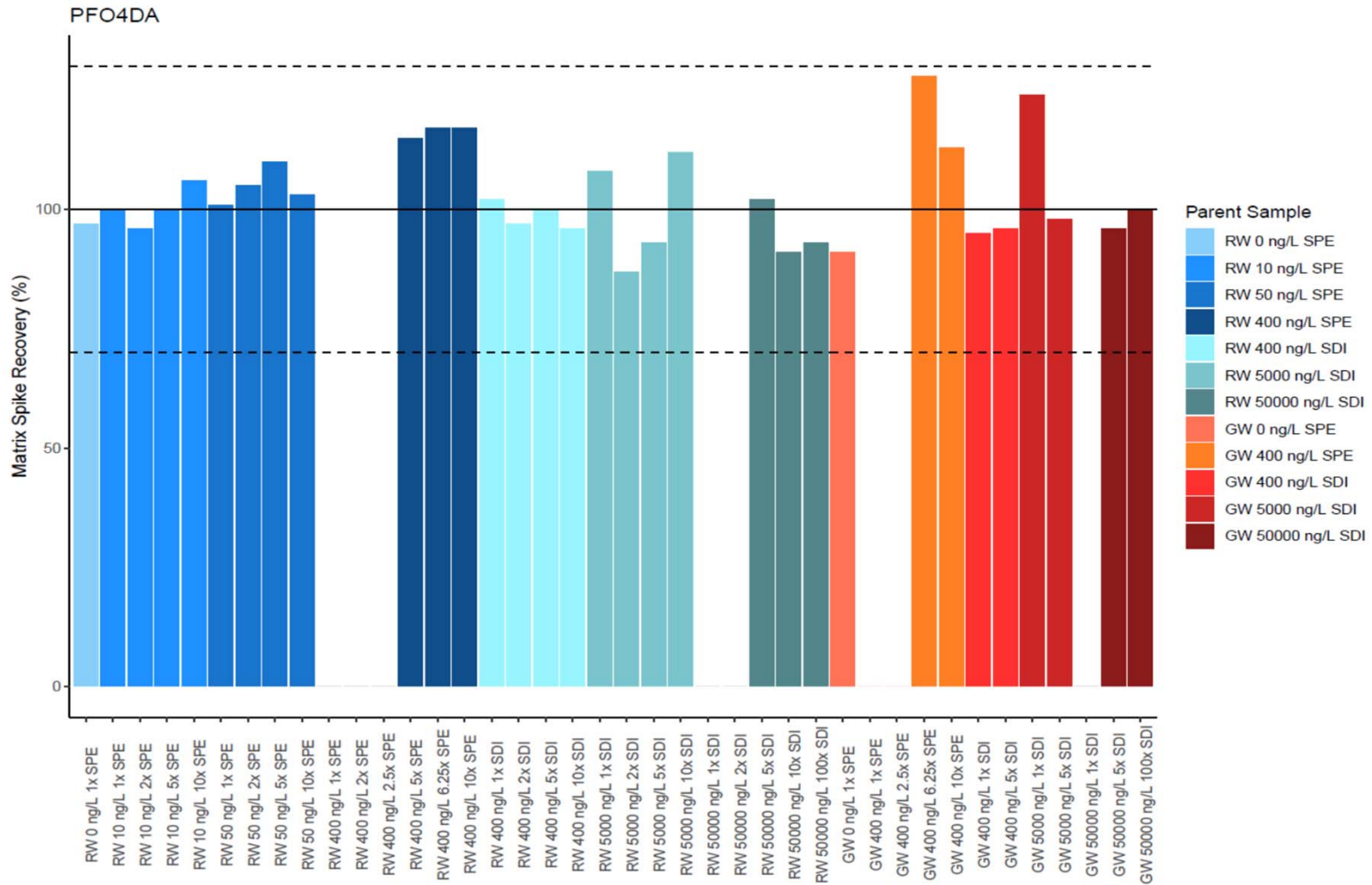
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Figure  
 1p



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

- Ideal recovery of matrix spikes (100%)
- - - - - 70% & 130% recovery of matrix spikes

**Matrix Spike Recoveries of PFO4DA in 537 Mod Max Matrix Interference Study**  
 Chemours Fayetteville Works, North Carolina

**Geosyntec**  
 consultants

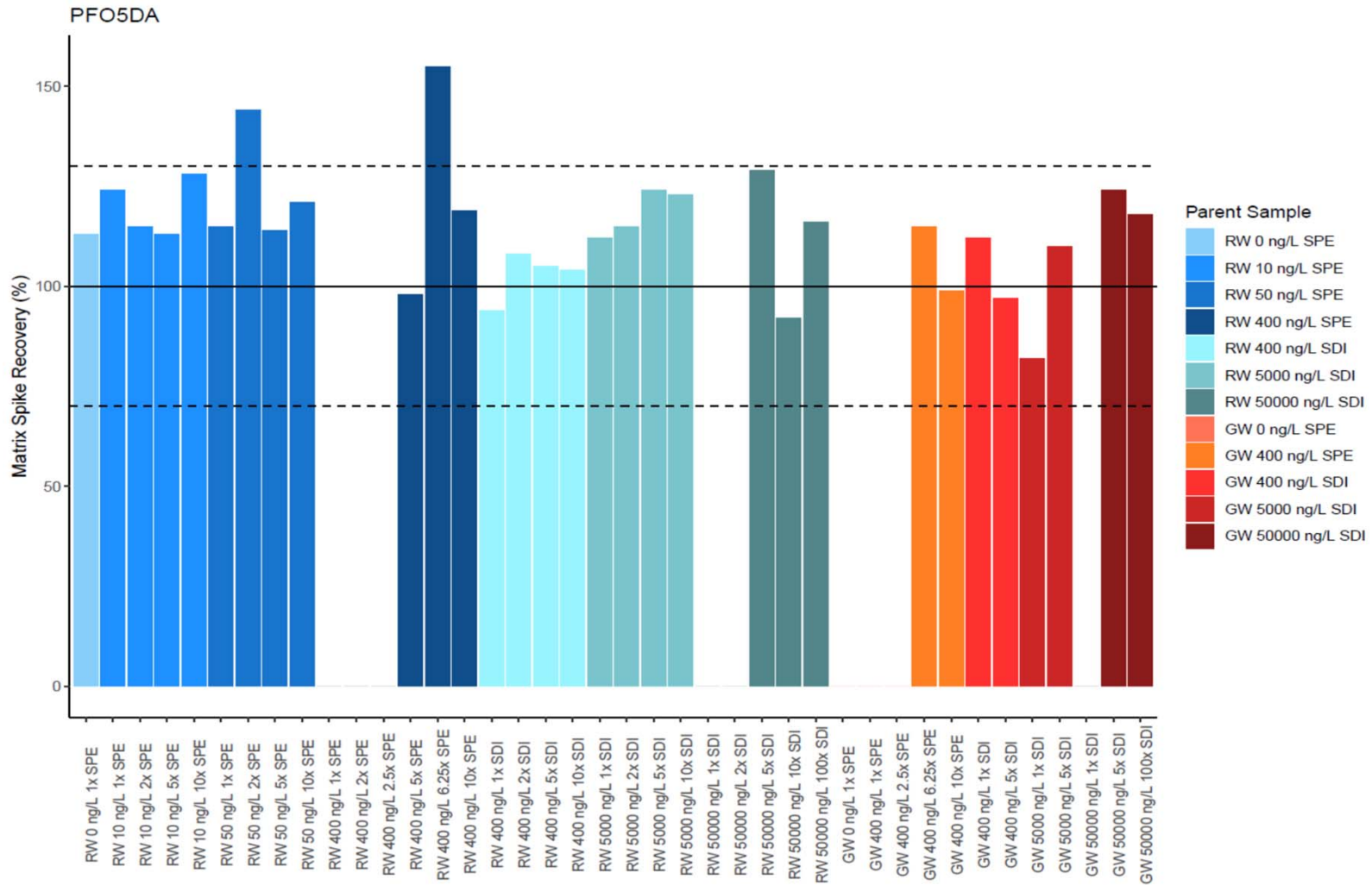
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May 2022

Figure  
 1q





**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

- Ideal recovery of matrix spikes (100%)
- - - - - 70% & 130% recovery of matrix spikes

**Matrix Spike Recoveries of PFO5DA in 537 Mod Max  
 Matrix Interference Study**  
 Chemours Fayetteville Works, North Carolina

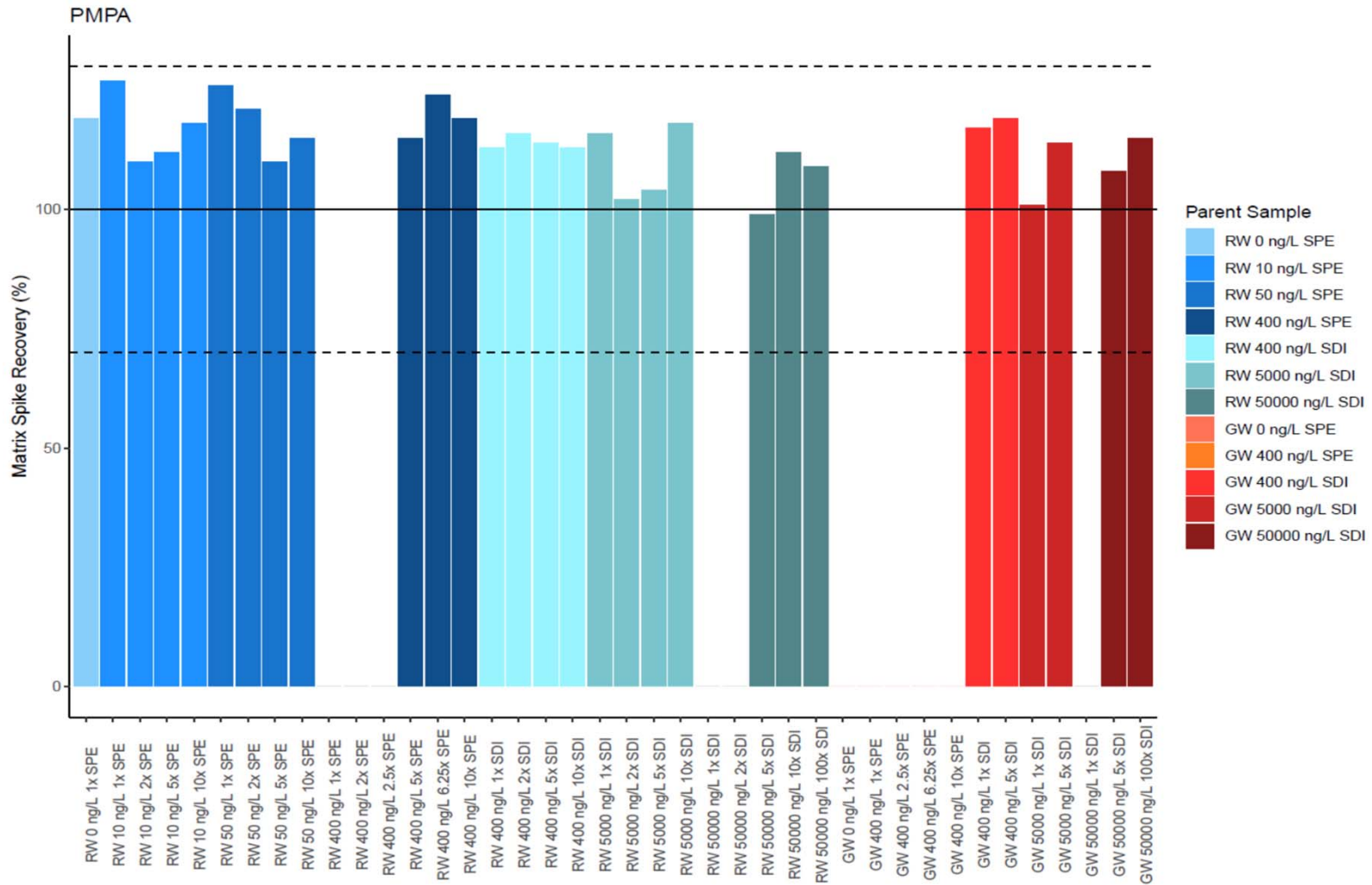
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Figure  
**1r**



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

- Ideal recovery of matrix spikes (100%)
- - - - - 70% & 130% recovery of matrix spikes

**Matrix Spike Recoveries of PMPA in 537 Mod Max Matrix Interference Study**

Chemours Fayetteville Works, North Carolina

**Geosyntec**  
 consultants

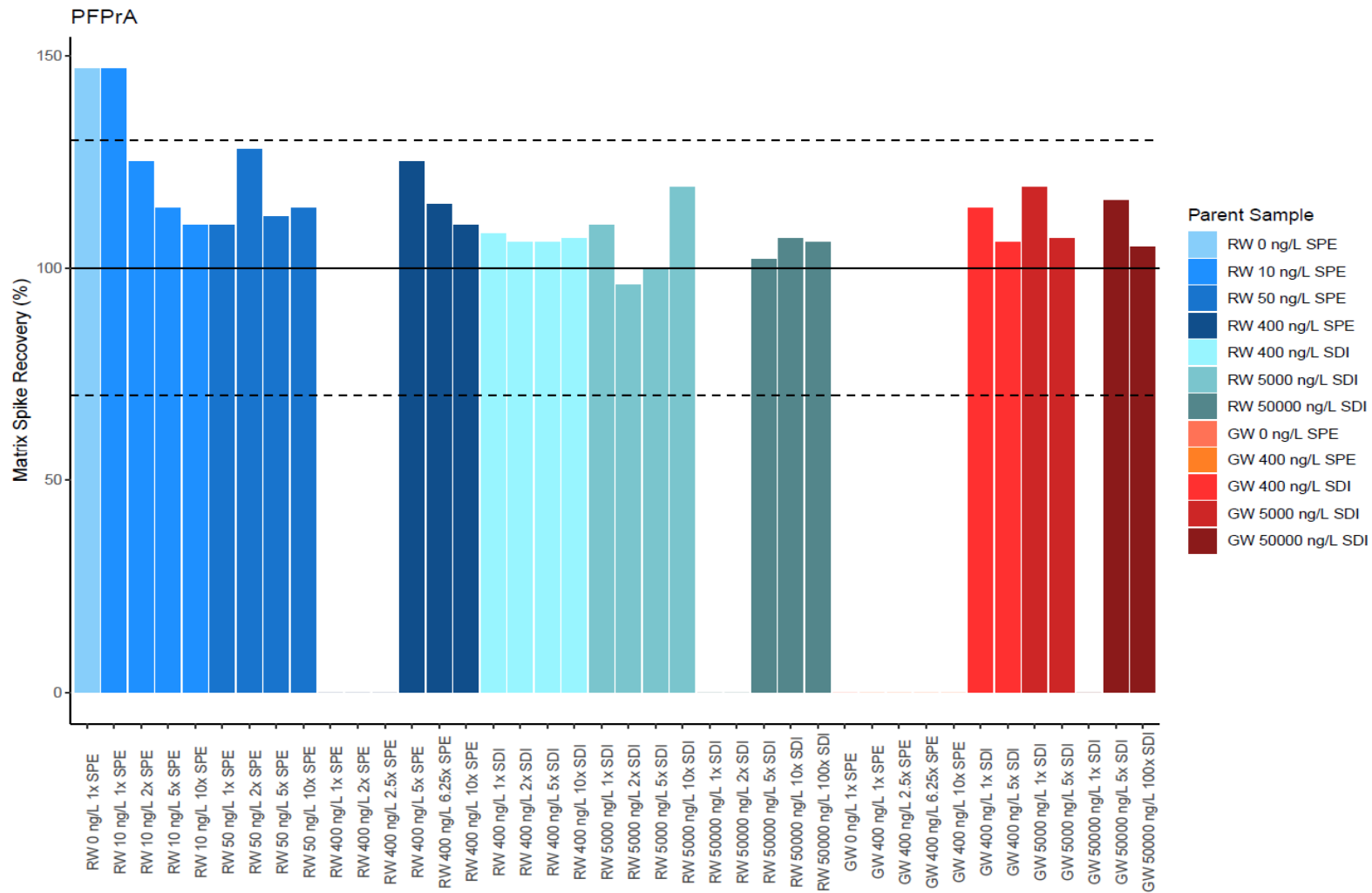
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May 2022

Figure

1s



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

1. PFPPrA is formerly known as PPF Acid.

———— Ideal recovery of matrix spikes (100%)

----- 50% & 150% recovery of matrix spikes

**Matrix Spike Recoveries of PFPPrA<sup>1</sup> in 537 Mod Max  
 Matrix Interference Study**  
 Chemours Fayetteville Works, North Carolina

**Geosyntec**  
 consultants

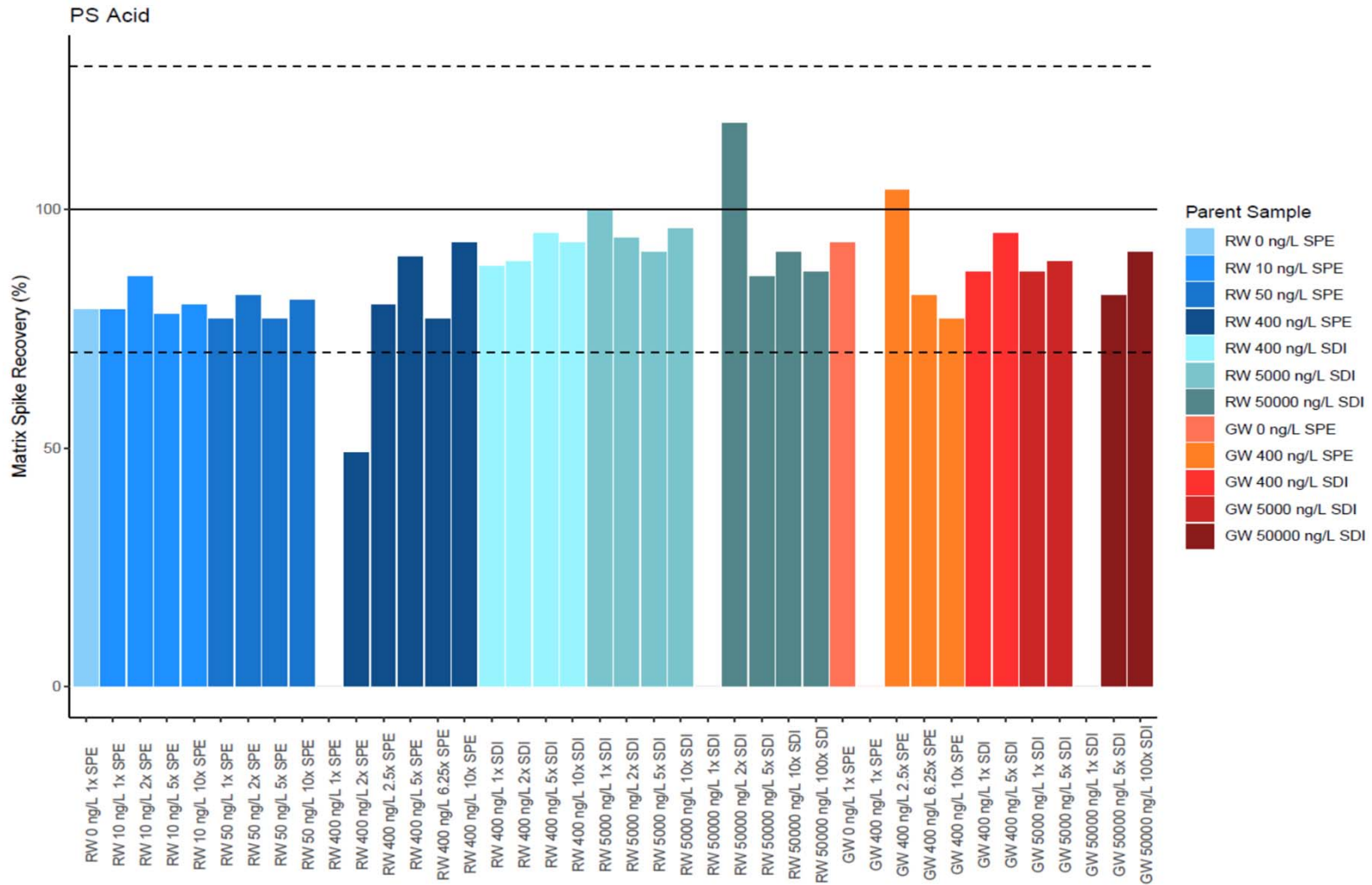
Geosyntec Consultants of NC, P.C.  
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May 2022

Figure

1t



**Notes:**

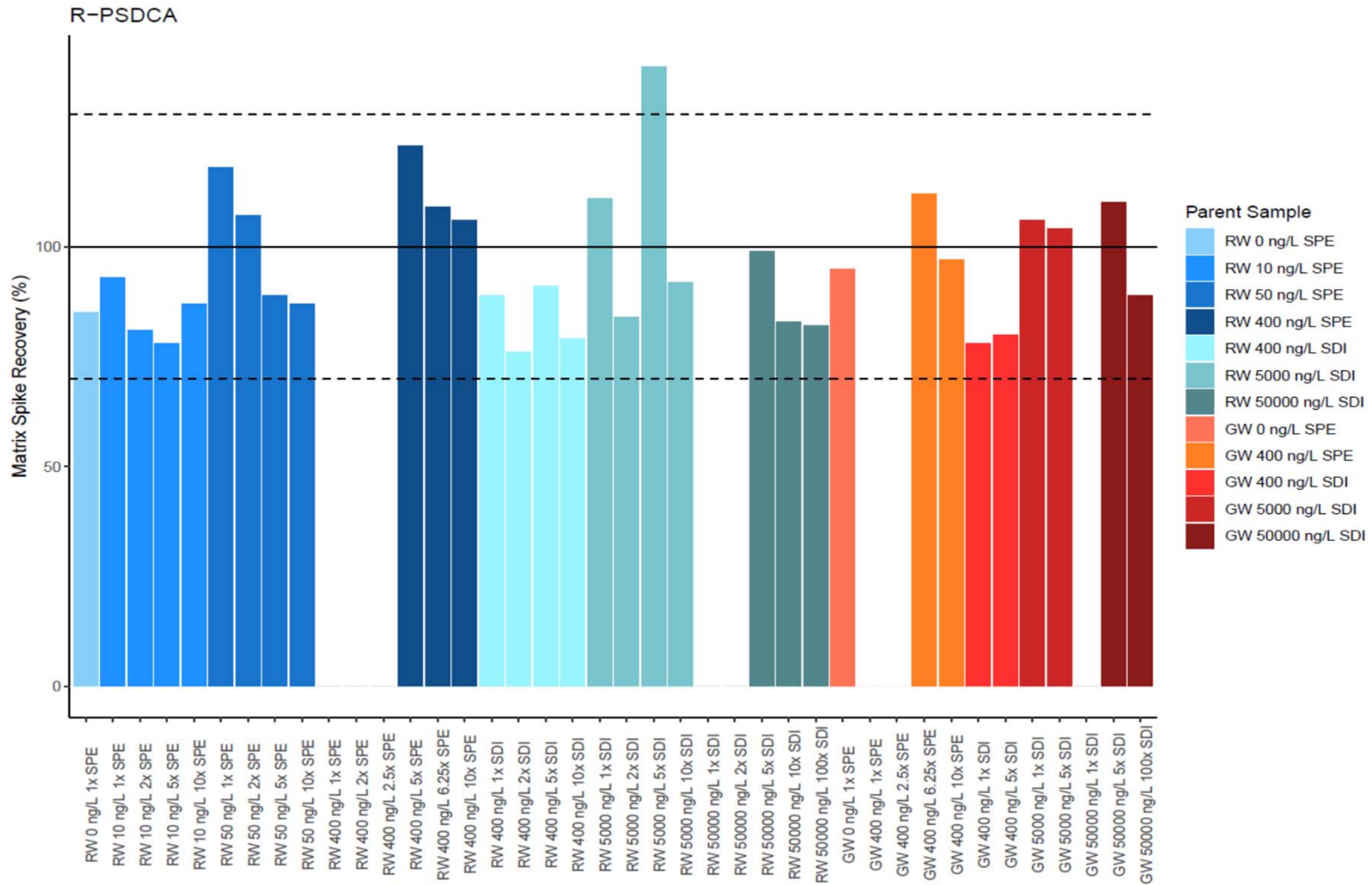
SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

- Ideal recovery of matrix spikes (100%)
- - - - - 70% & 130% recovery of matrix spikes

<p><b>Matrix Spike Recoveries of PS Acid in 537 Mod Max                  Matrix Interference Study</b></p> <p>Chemours Fayetteville Works, North Carolina</p>	
<p><b>Geosyntec</b><sup>▷</sup>                  consultants</p> <p>Geosyntec Consultants of NC, P.C.                  NC License No.: C 3500 and C 295</p>	
Raleigh	May 2022
<p>Figure  <b>1u</b></p>	



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the matrix spike addition was less than 1/4 of the sample concentration.

- Ideal recovery of matrix spikes (100%)
- - - - - 70% & 130% recovery of matrix spikes

**Matrix Spike Recoveries of R-PSDCA in 537 Mod Max  
 Matrix Interference Study**  
 Chemours Fayetteville Works, North Carolina

**Geosyntec**  
 consultants

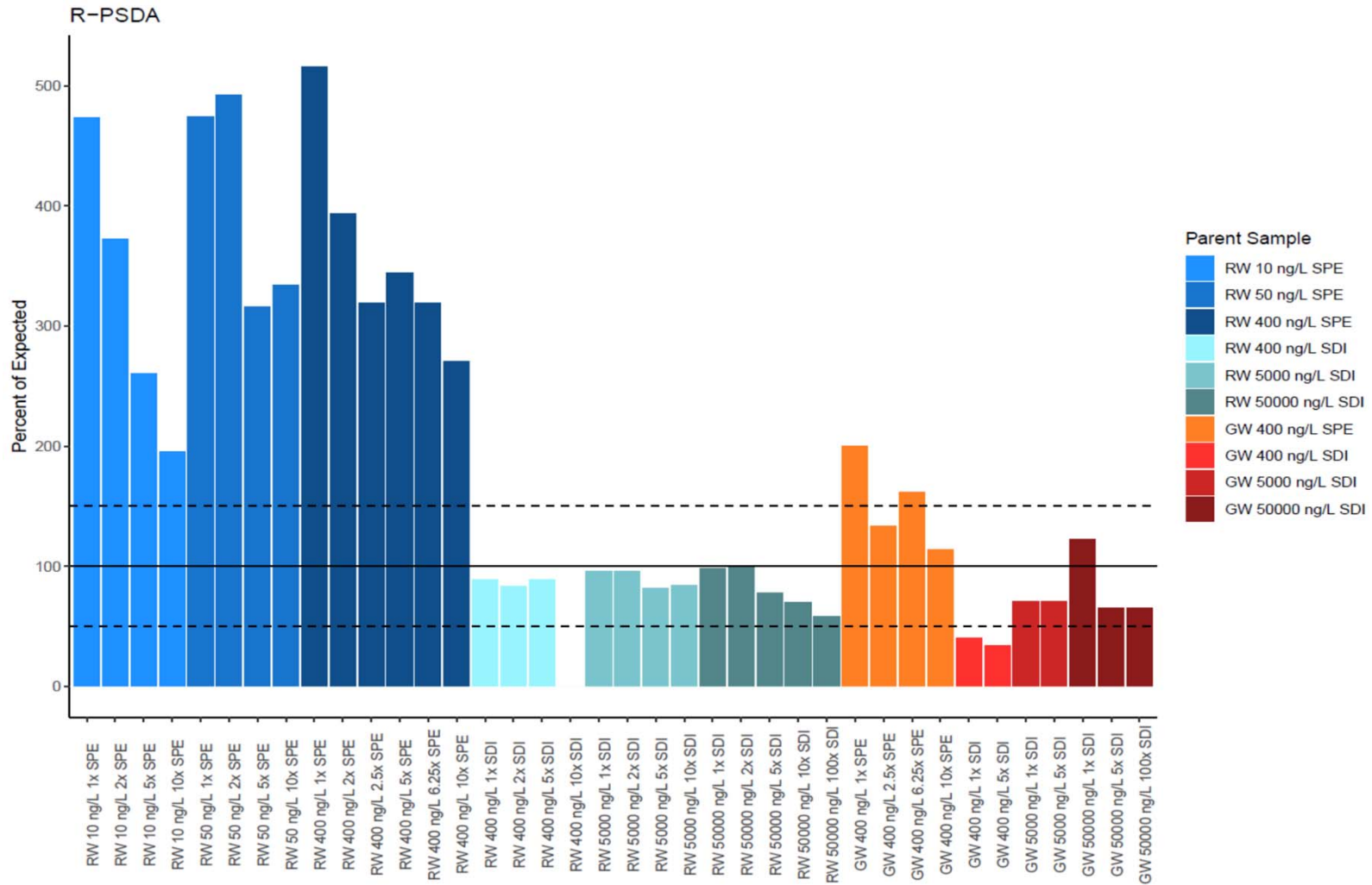
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Raleigh

May 2022

Figure

1v



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

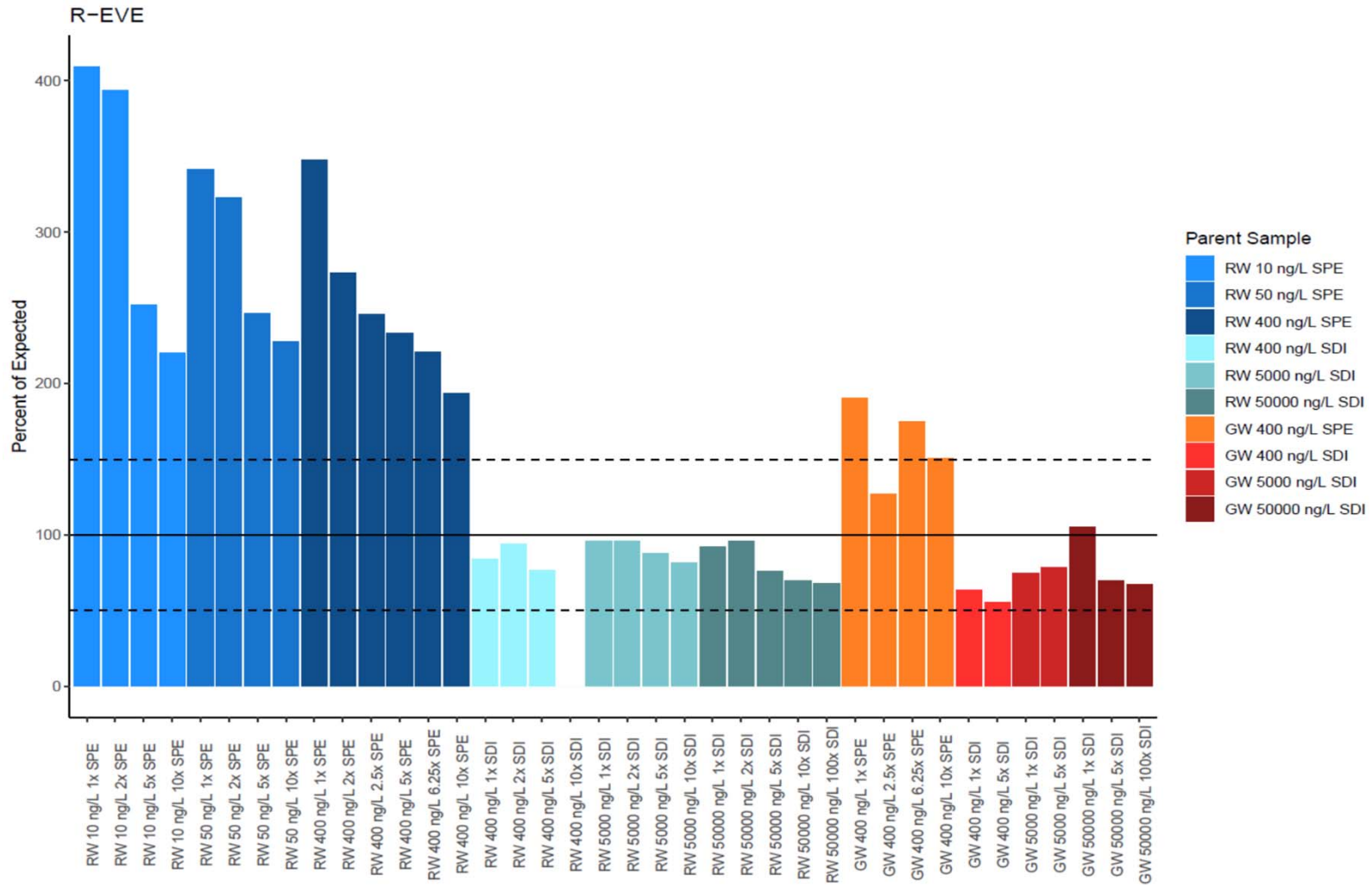
GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the measured concentration was below the reporting limit.

- Ideal recovery of matrix spikes (100%)
- - - - - 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of R-PSDA Measured in Amended Samples in 537 Mod Max Matrix Interference Study**  
 Chemours Fayetteville Works, North Carolina

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	Raleigh	



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the measured concentration was below the reporting limit.

- Ideal recovery of matrix spikes (100%)
- - - - - 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of R-EVE Measured in Amended Samples in 537 Mod Max Matrix Interference Study**  
 Chemours Fayetteville Works, North Carolina

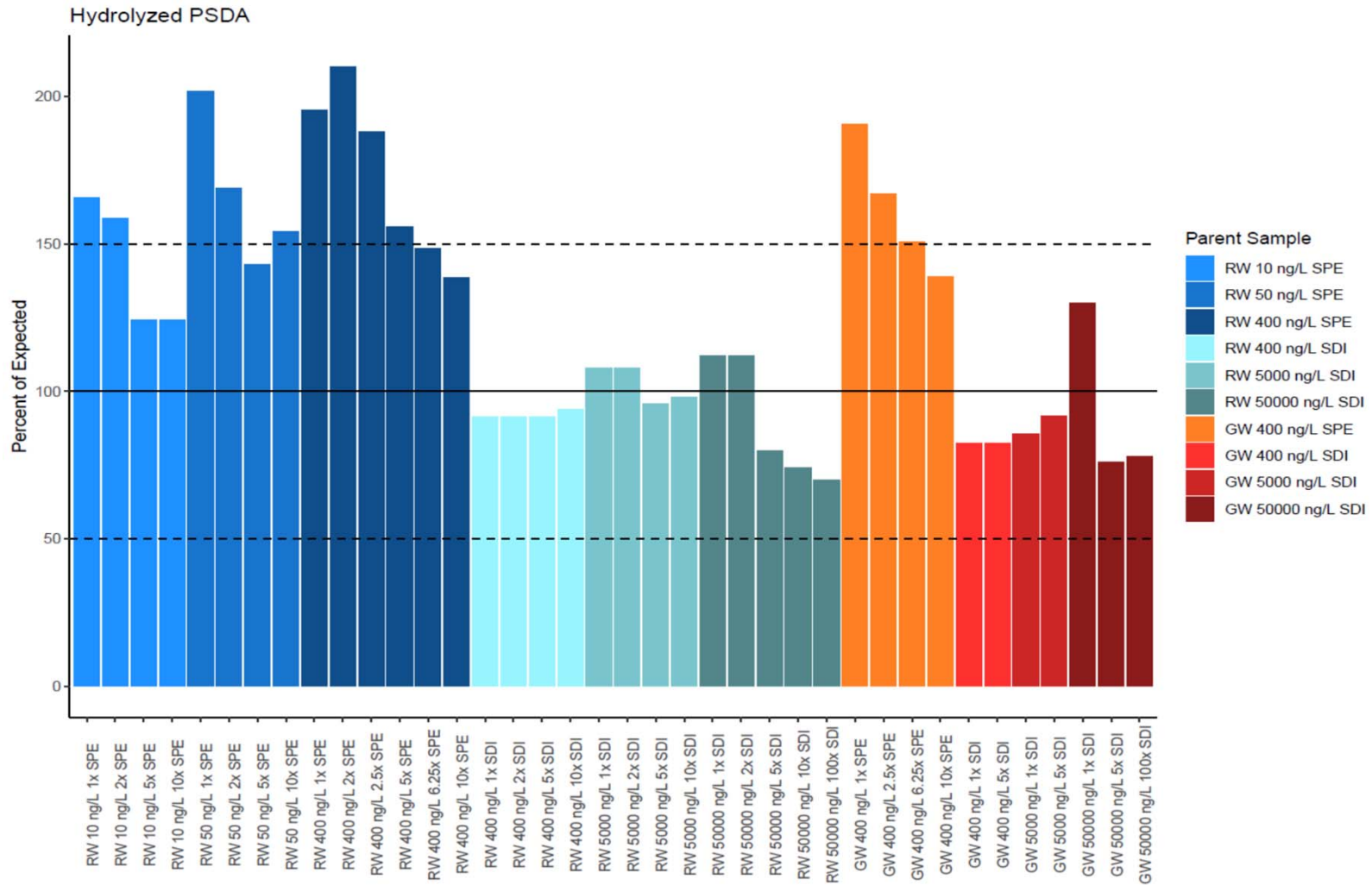
**Geosyntec**  
 consultants

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 NC License No.: C 3500 and C 295

Figure  
**2b**

Raleigh

May 2022



**Notes:**

SPE - Solid Phase Extraction

SDI - Sample dilution direct injection

ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R

RW - River Water from Cape Fear River

Mile 84

Results not plotted if the measured concentration was below the reporting limit.

———— Ideal recovery of matrix spikes (100%)

----- 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of Hydrolyzed PSDA Measured in Amended Samples in 537 Mod Max Matrix Interference Study**

Chemours Fayetteville Works, North Carolina

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consultants

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NC License No.: C 3500 and C 295

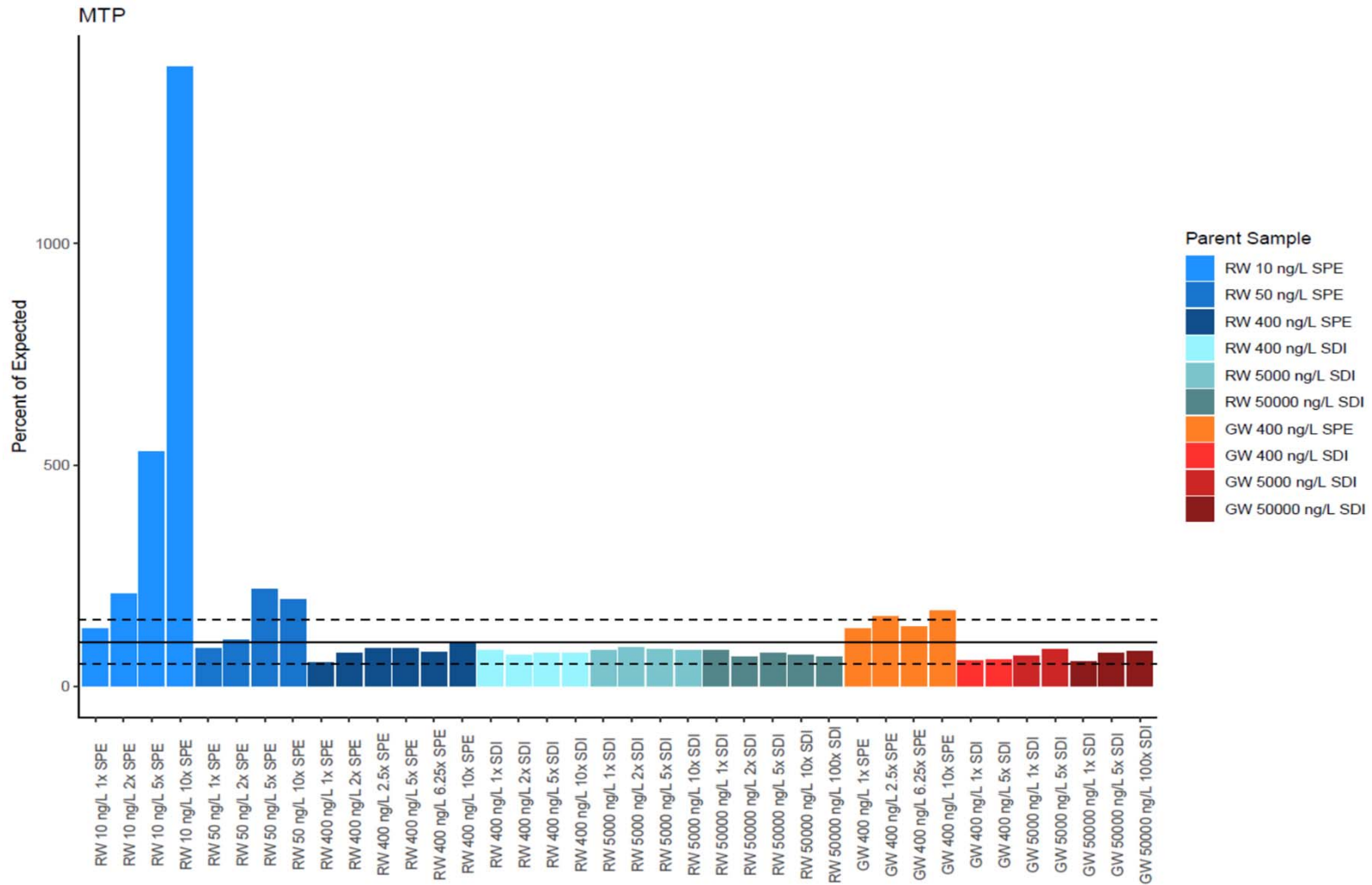
Figure

**2c**

Raleigh

May 2022





**Notes:**

SPE - Solid Phase Extraction

SDI - Sample dilution direct injection

ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R

RW - River Water from Cape Fear River

Mile 84

Results not plotted if the measured concentration was below the reporting limit.

———— Ideal recovery of matrix spikes (100%)

- - - - - 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of MTP Measured in Amended Samples in 537 Mod Max Matrix Interference Study**

Chemours Fayetteville Works, North Carolina

**Geosyntec**  
consultants

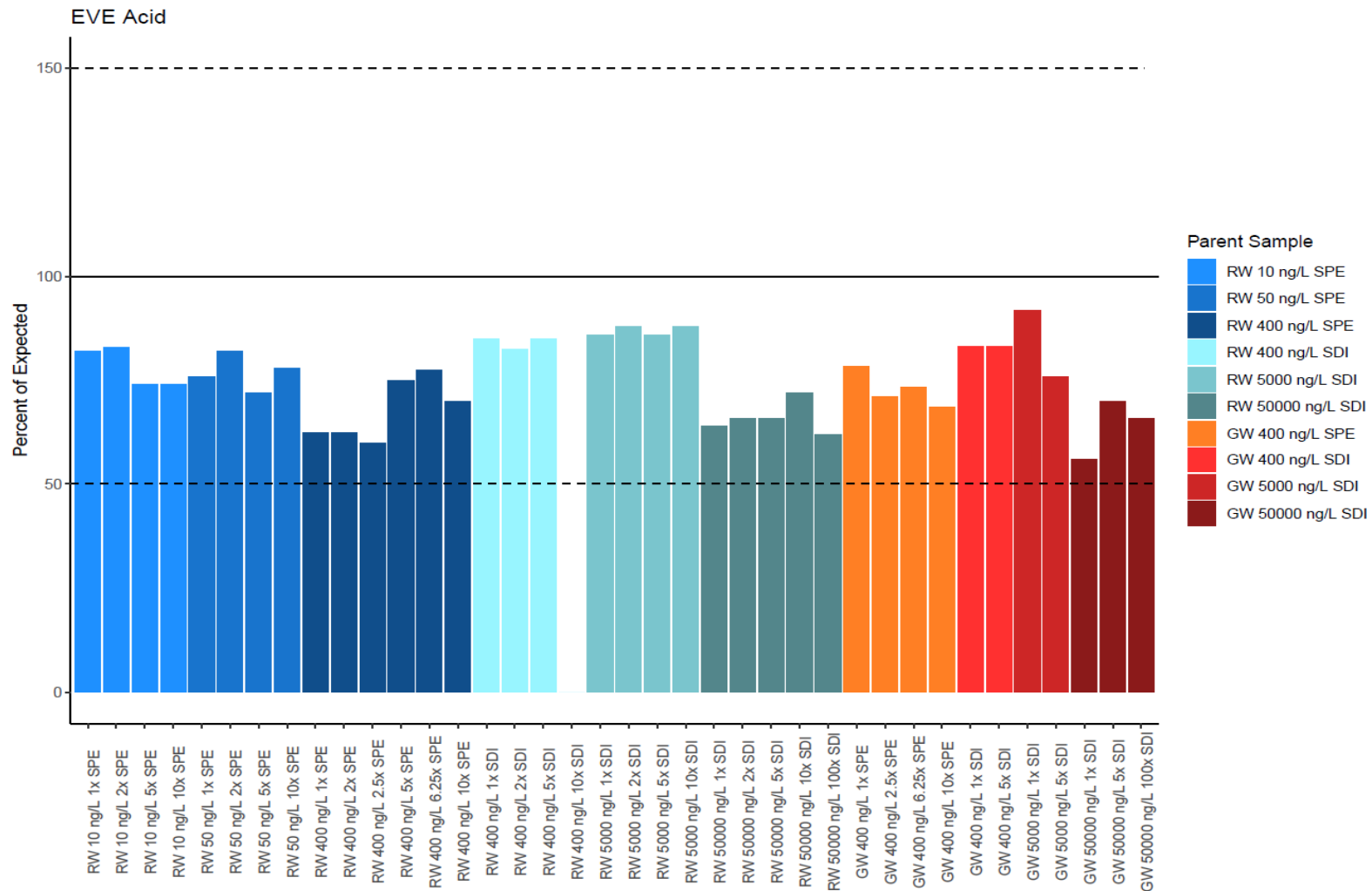
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NC License No.: C 3500 and C 295

Figure

**2d**

Raleigh

May 2022



**Notes:**

SPE - Solid Phase Extraction

SDI - Sample dilution direct injection

ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R

RW - River Water from Cape Fear River

Mile 84

Results not plotted if the measured concentration was below the reporting limit.

———— Ideal recovery of matrix spikes (100%)

----- 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of EVE Acid Measured in Amended Samples in 537 Mod Max Matrix Interference Study**  
Chemours Fayetteville Works, North Carolina

**Geosyntec**  
consultants

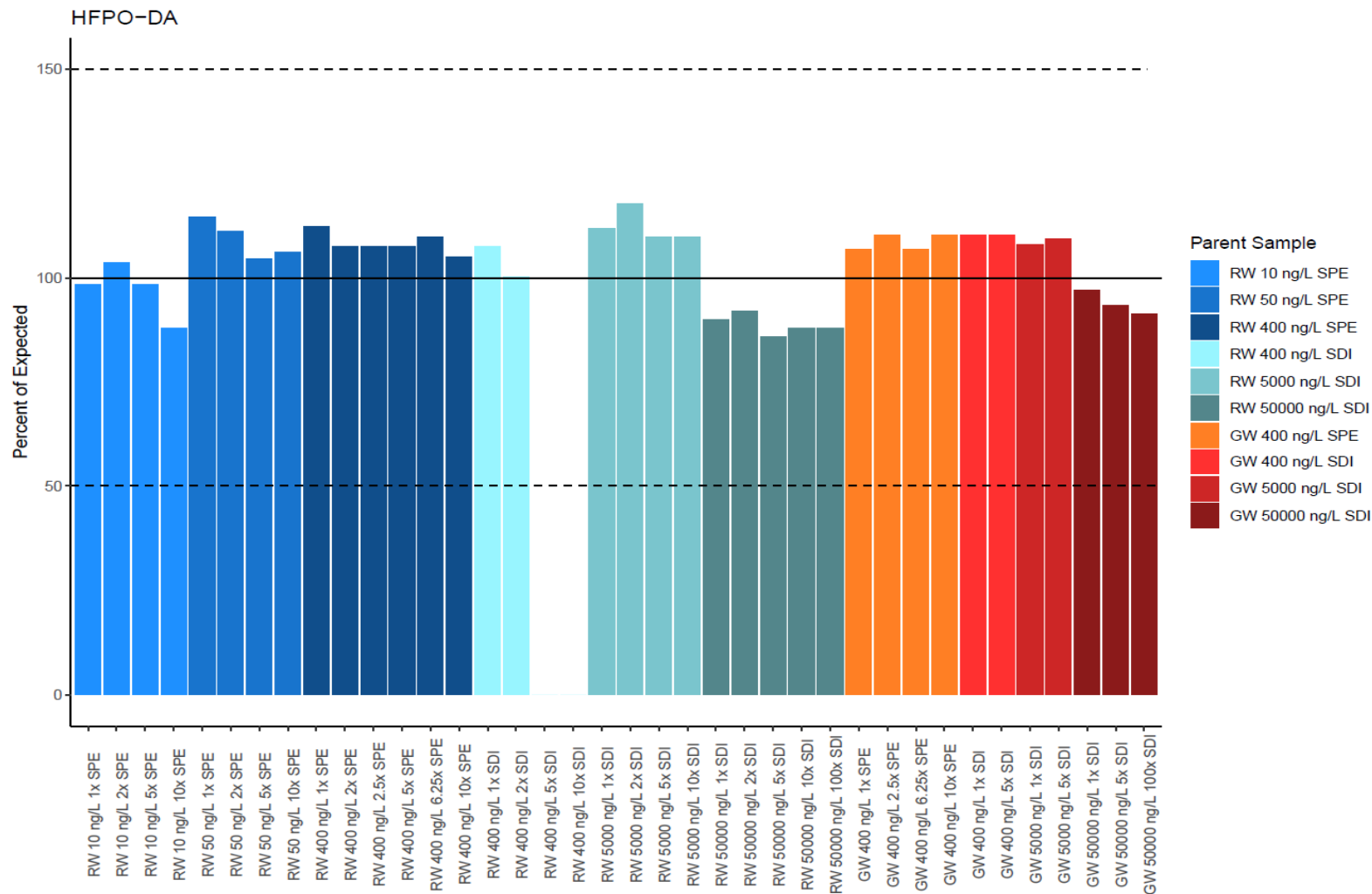
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Figure

**2e**

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May 2022



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the measured concentration was below the reporting limit.

- Ideal recovery of matrix spikes (100%)
- - - - - 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of HFPO-DA Measured in Amended Samples in 537 Mod Max Matrix Interference Study**  
 Chemours Fayetteville Works, North Carolina

**Geosyntec**  
 consultants

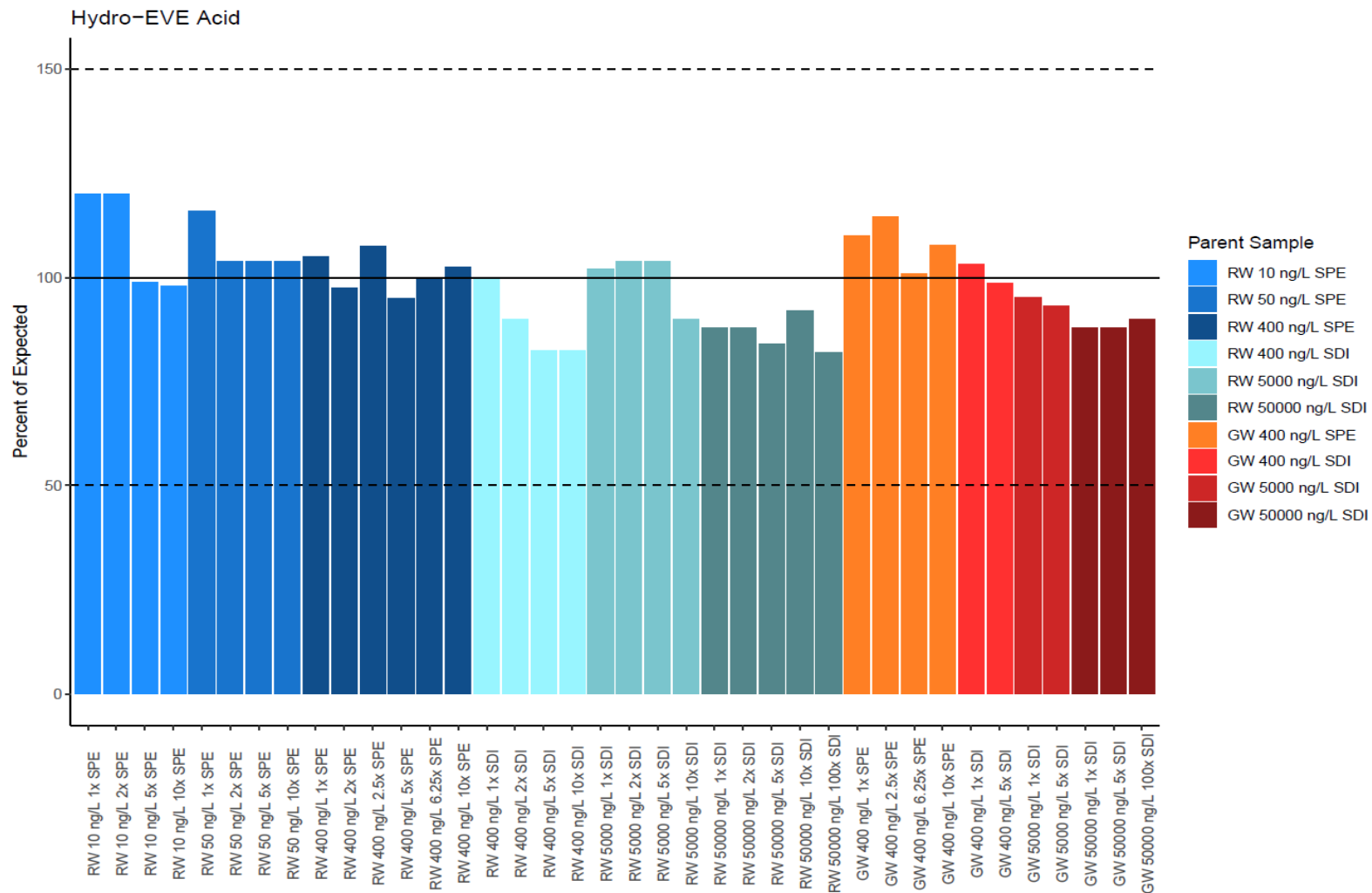
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May 2022

Figure

**2f**



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the measured concentration was below the reporting limit.

- Ideal recovery of matrix spikes (100%)
- - - - - 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of Hydro-EVE Acid Measured in Amended Samples in 537 Mod Max Matrix Interference Study**

Chemours Fayetteville Works, North Carolina

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 consultants

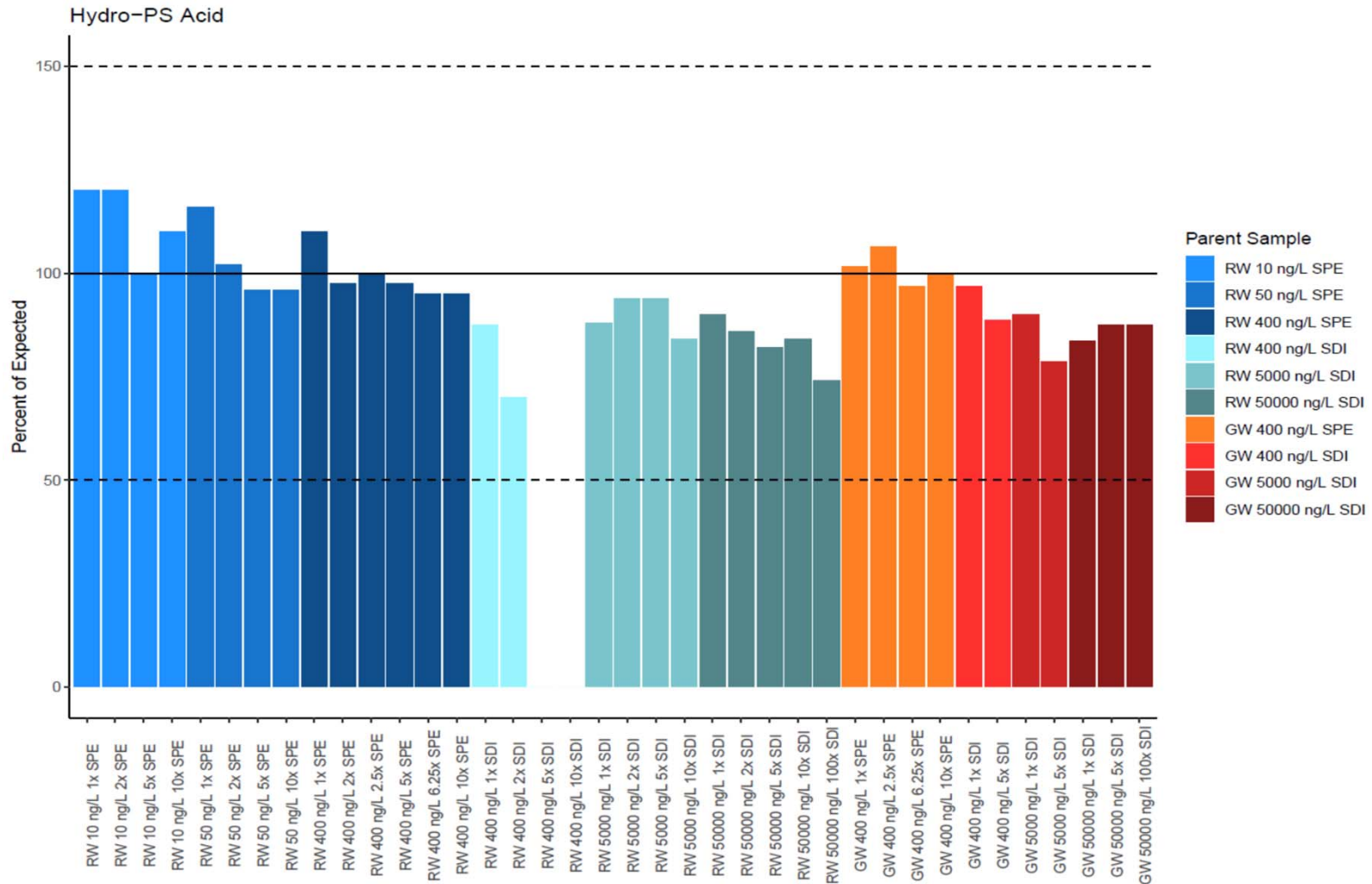
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Figure

**2g**

Raleigh

May 2022



**Notes:**

SPE - Solid Phase Extraction

SDI - Sample dilution direct injection

ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R

RW - River Water from Cape Fear River

Mile 84

Results not plotted if the measured concentration was below the reporting limit.

———— Ideal recovery of matrix spikes (100%)

----- 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of Hydro-PS Acid Measured in Amended Samples in 537 Mod Max Matrix Interference Study**

Chemours Fayetteville Works, North Carolina

**Geosyntec**  
consultants

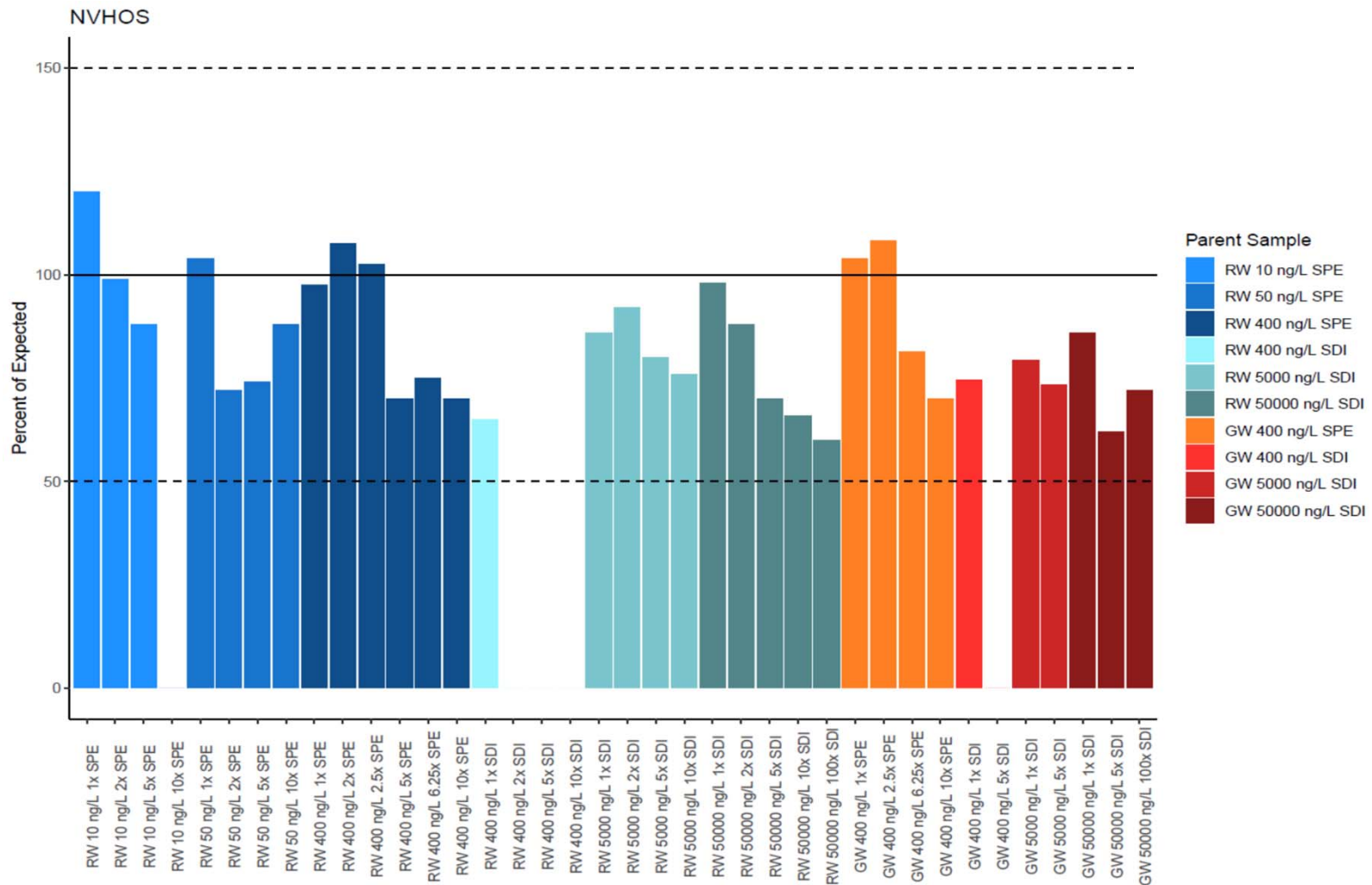
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Figure

**2h**

Raleigh

May 2022



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the measured concentration was below the reporting limit.

- Ideal recovery of matrix spikes (100%)
- - - - - 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of NVHOS Measured in Amended Samples in 537 Mod Max Matrix Interference Study**  
 Chemours Fayetteville Works, North Carolina

**Geosyntec**  
 consultants

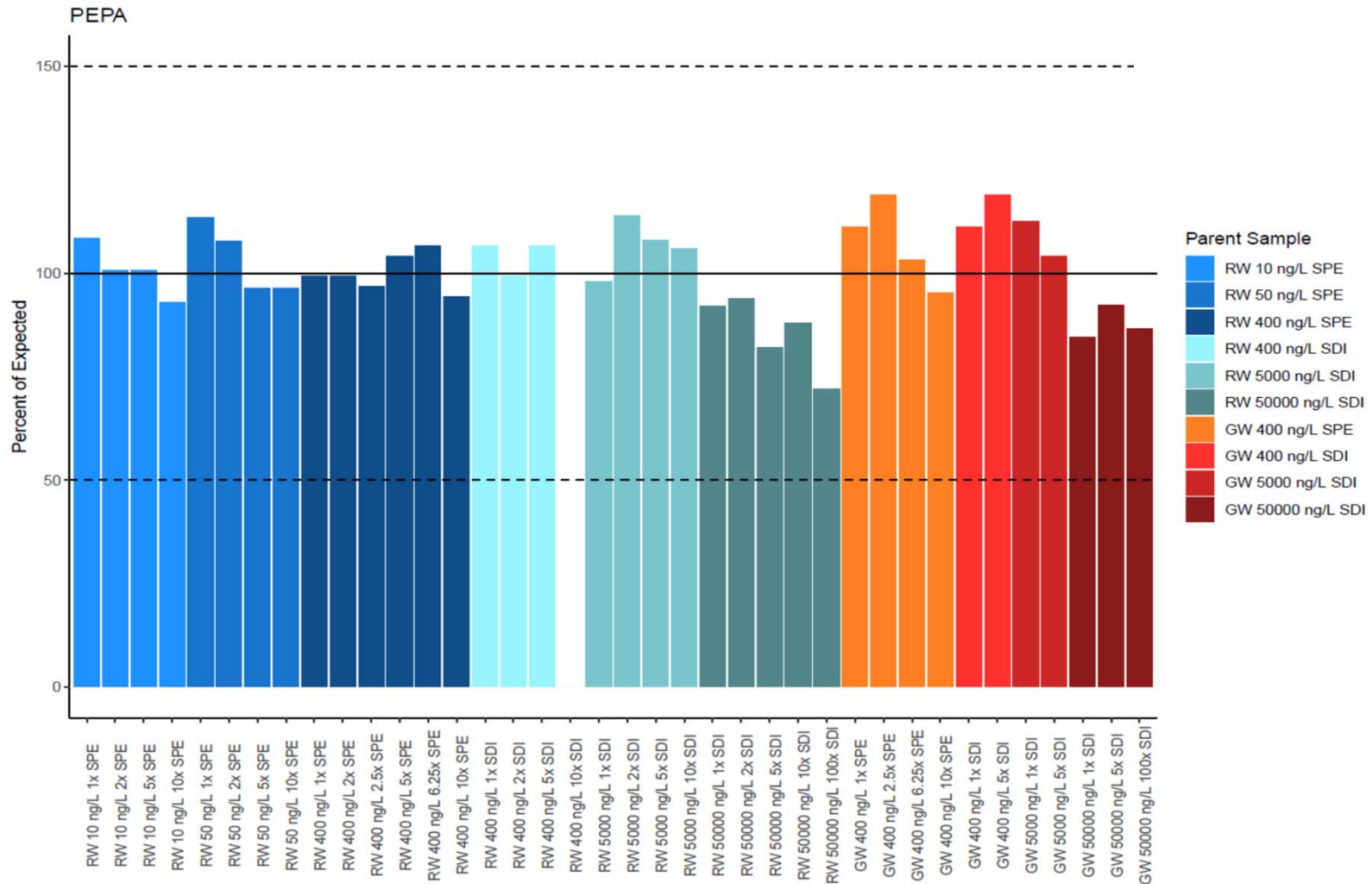
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Figure

**2i**



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the measured concentration was below the reporting limit.

- Ideal recovery of matrix spikes (100%)
- - - - - 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of PEPA Measured in Amended Samples in 537 Mod Max Matrix Interference Study**  
 Chemours Fayetteville Works, North Carolina

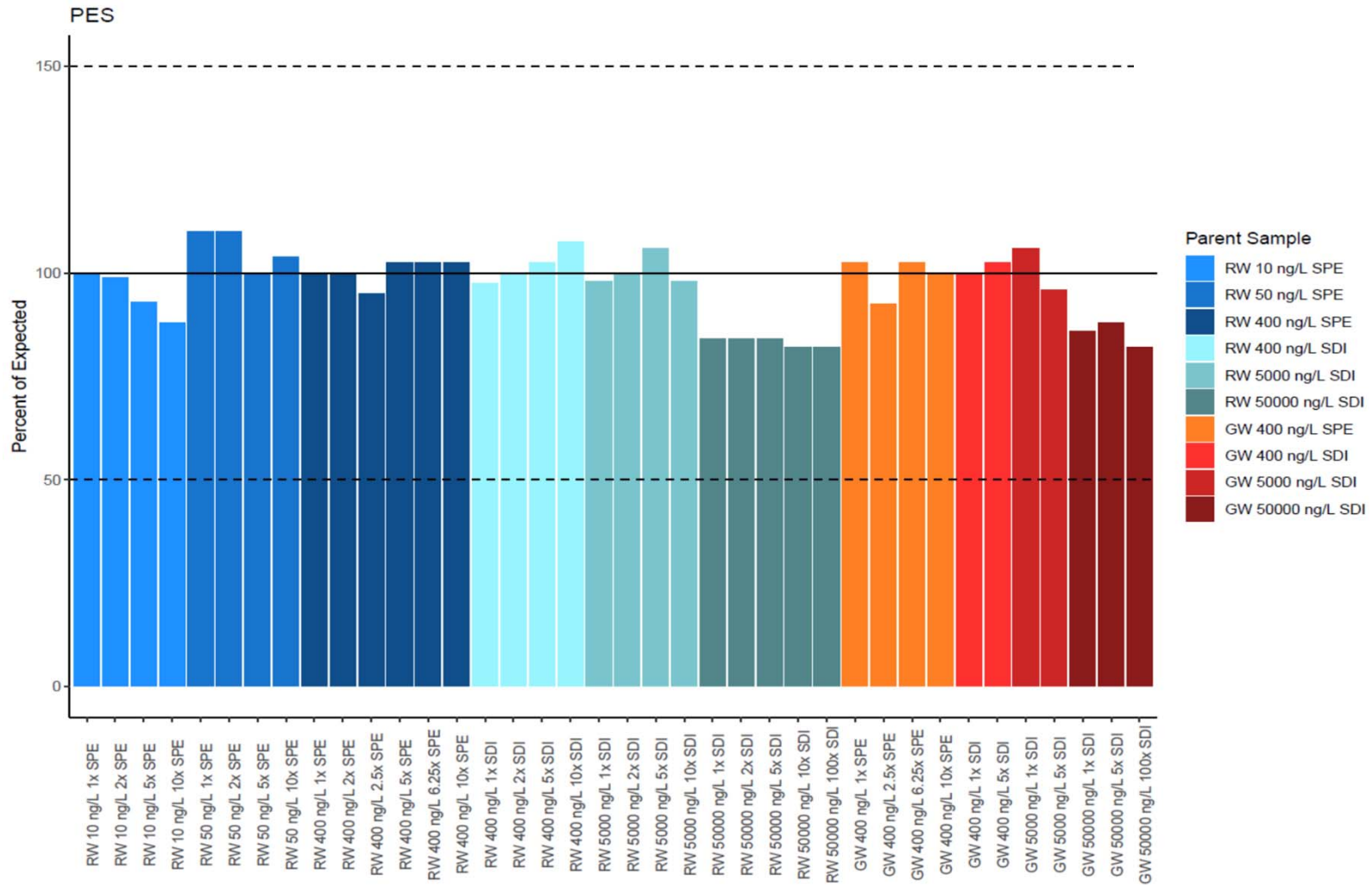
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 consultants

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Figure  
**2j**



**Notes:**

SPE - Solid Phase Extraction

SDI - Sample dilution direct injection

ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R

RW - River Water from Cape Fear River

Mile 84

Results not plotted if the measured concentration was below the reporting limit.

———— Ideal recovery of matrix spikes (100%)

- - - - - 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of PES Measured in Amended Samples in 537 Mod Max Matrix Interference Study**

Chemours Fayetteville Works, North Carolina

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consultants

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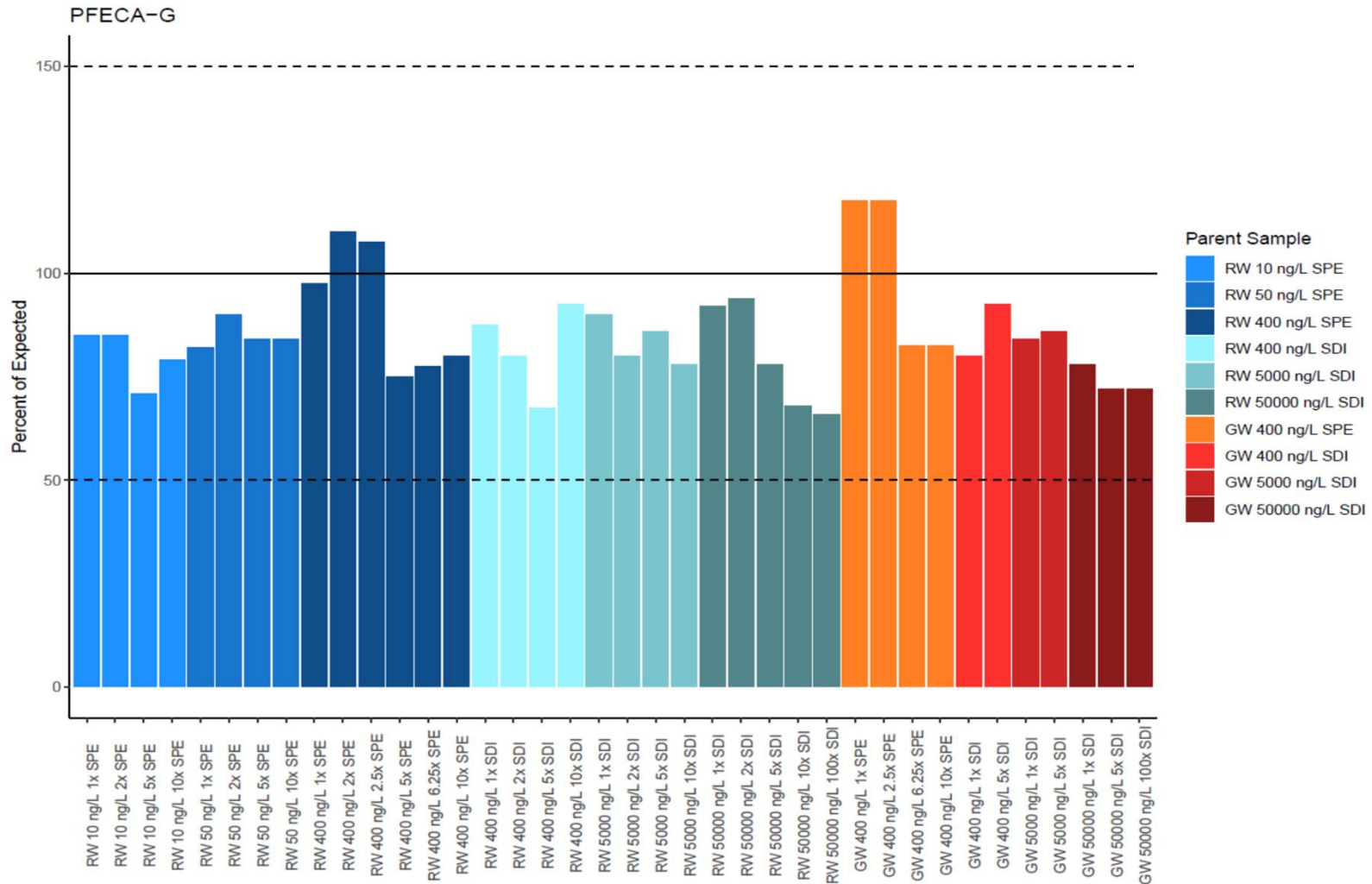
Figure

**2k**

Raleigh

May 2022





**Notes:**

SPE - Solid Phase Extraction

SDI - Sample dilution direct injection

ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R

RW - River Water from Cape Fear River

Mile 84

Results not plotted if the measured concentration was below the reporting limit.

———— Ideal recovery of matrix spikes (100%)

- - - - - 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of PFECA-G Measured in Amended Samples in 537 Mod Max Matrix Interference Study**  
Chemours Fayetteville Works, North Carolina

**Geosyntec**  
consultants

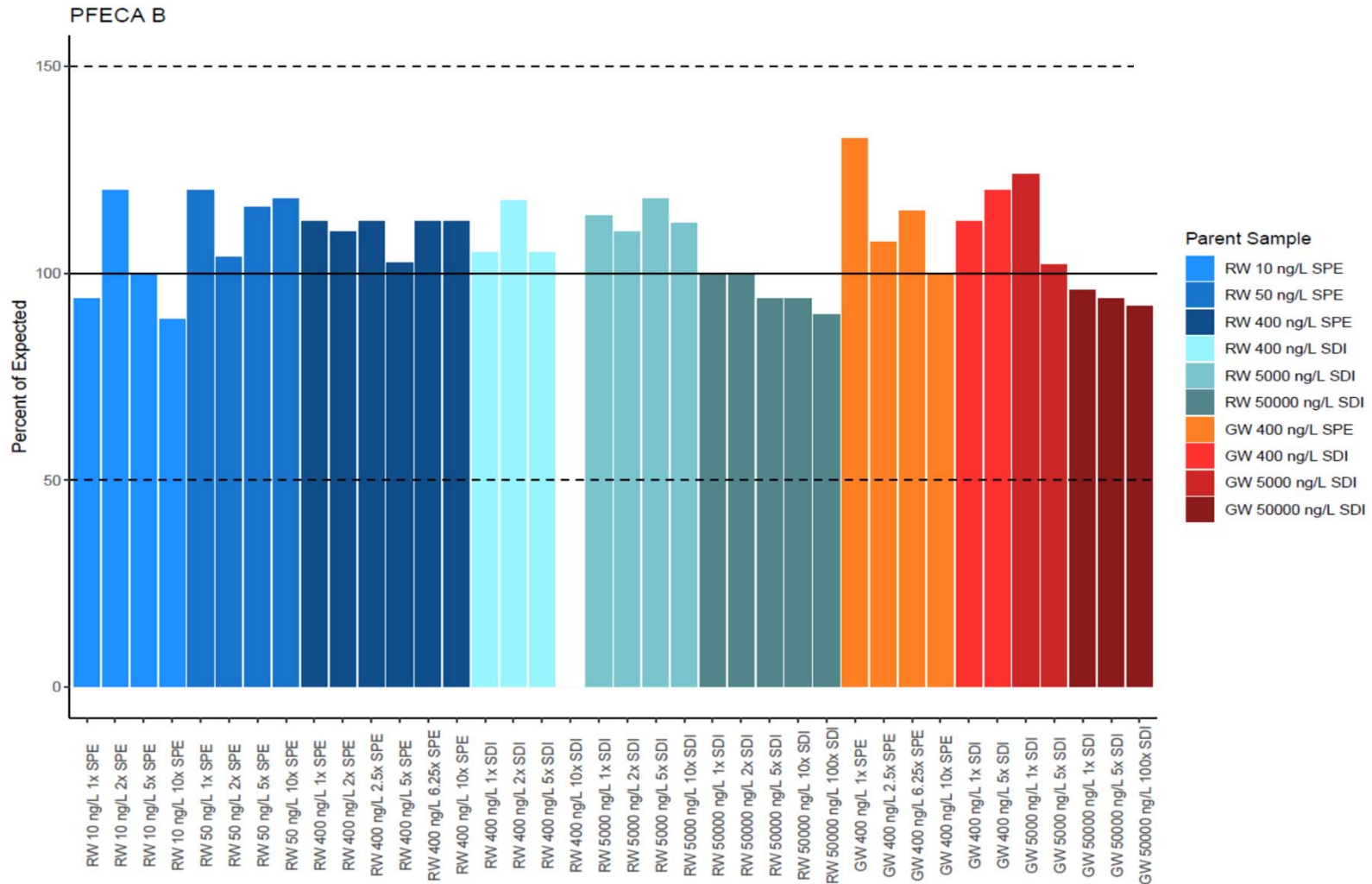
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Figure

**21**

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**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the measured concentration was below the reporting limit.

- Ideal recovery of matrix spikes (100%)
- - - - - 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of PFECA B  
 Measured in Amended Samples in 537 Mod Max Matrix  
 Interference Study**  
 Chemours Fayetteville Works, North Carolina

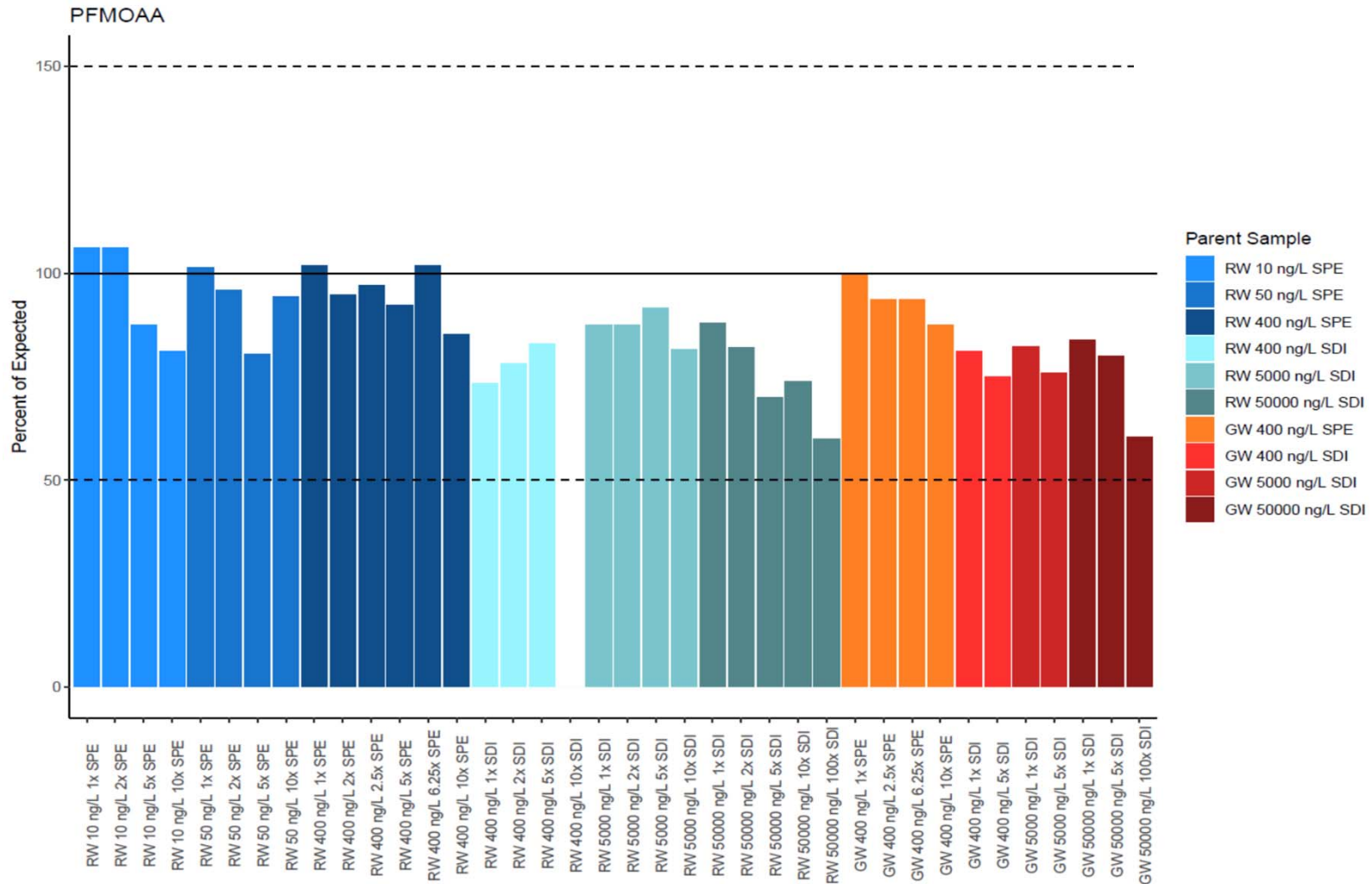
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Figure  
**2m**



**Notes:**

SPE - Solid Phase Extraction

SDI - Sample dilution direct injection

ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R

RW - River Water from Cape Fear River

Mile 84

Results not plotted if the measured concentration was below the reporting limit.

———— Ideal recovery of matrix spikes (100%)

----- 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of PFMOAA  
Measured in Amended Samples in 537 Mod Max Matrix  
Interference Study**

Chemours Fayetteville Works, North Carolina

**Geosyntec**  
consultants

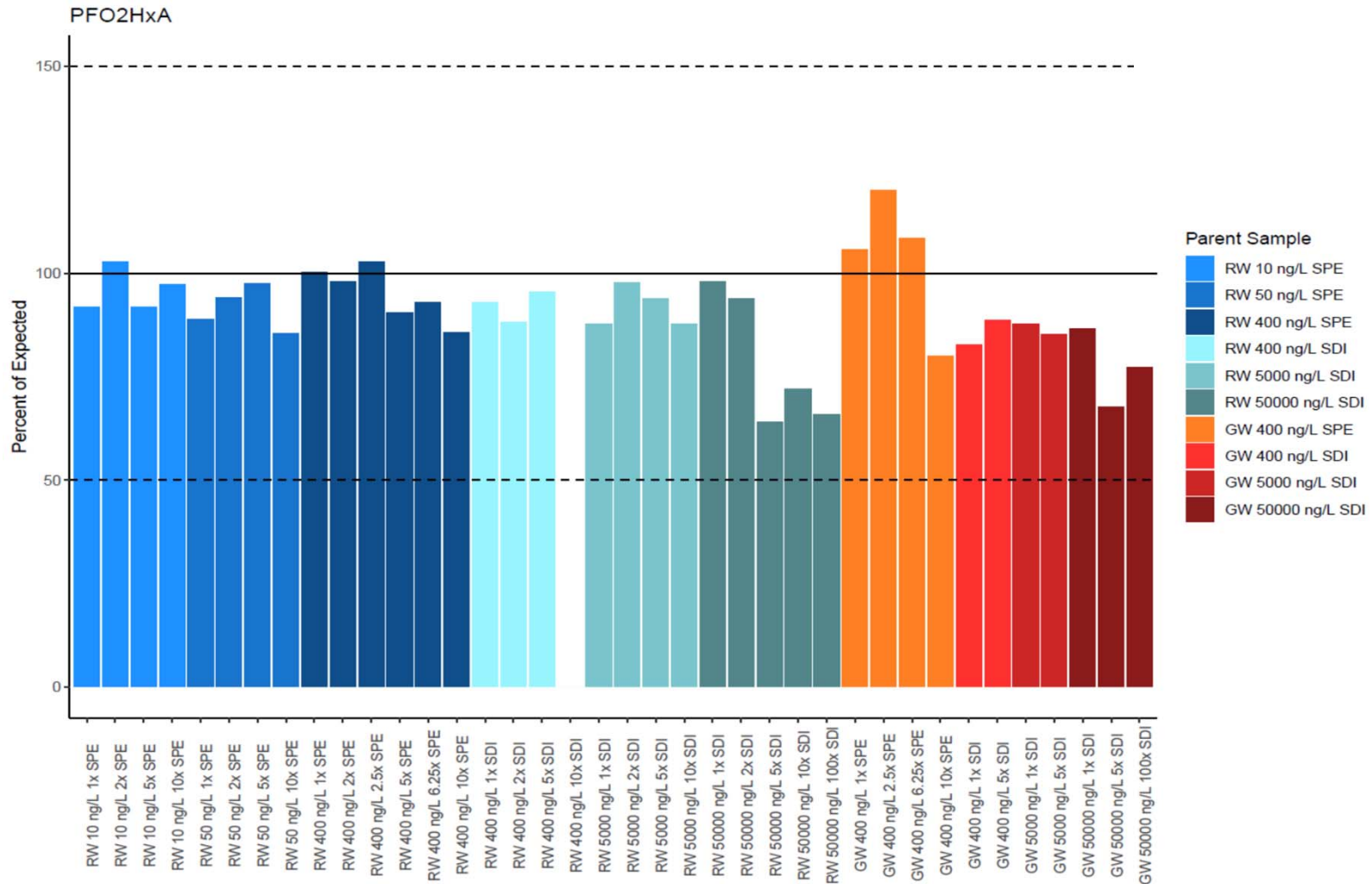
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Figure

**2n**

Raleigh

May 2022



**Notes:**

SPE - Solid Phase Extraction

SDI - Sample dilution direct injection

ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R

RW - River Water from Cape Fear River

Mile 84

Results not plotted if the measured concentration was below the reporting limit.

———— Ideal recovery of matrix spikes (100%)

- - - - - 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of PFO2HxA Measured in Amended Samples in 537 Mod Max Matrix Interference Study**  
Chemours Fayetteville Works, North Carolina

**Geosyntec**  
consultants

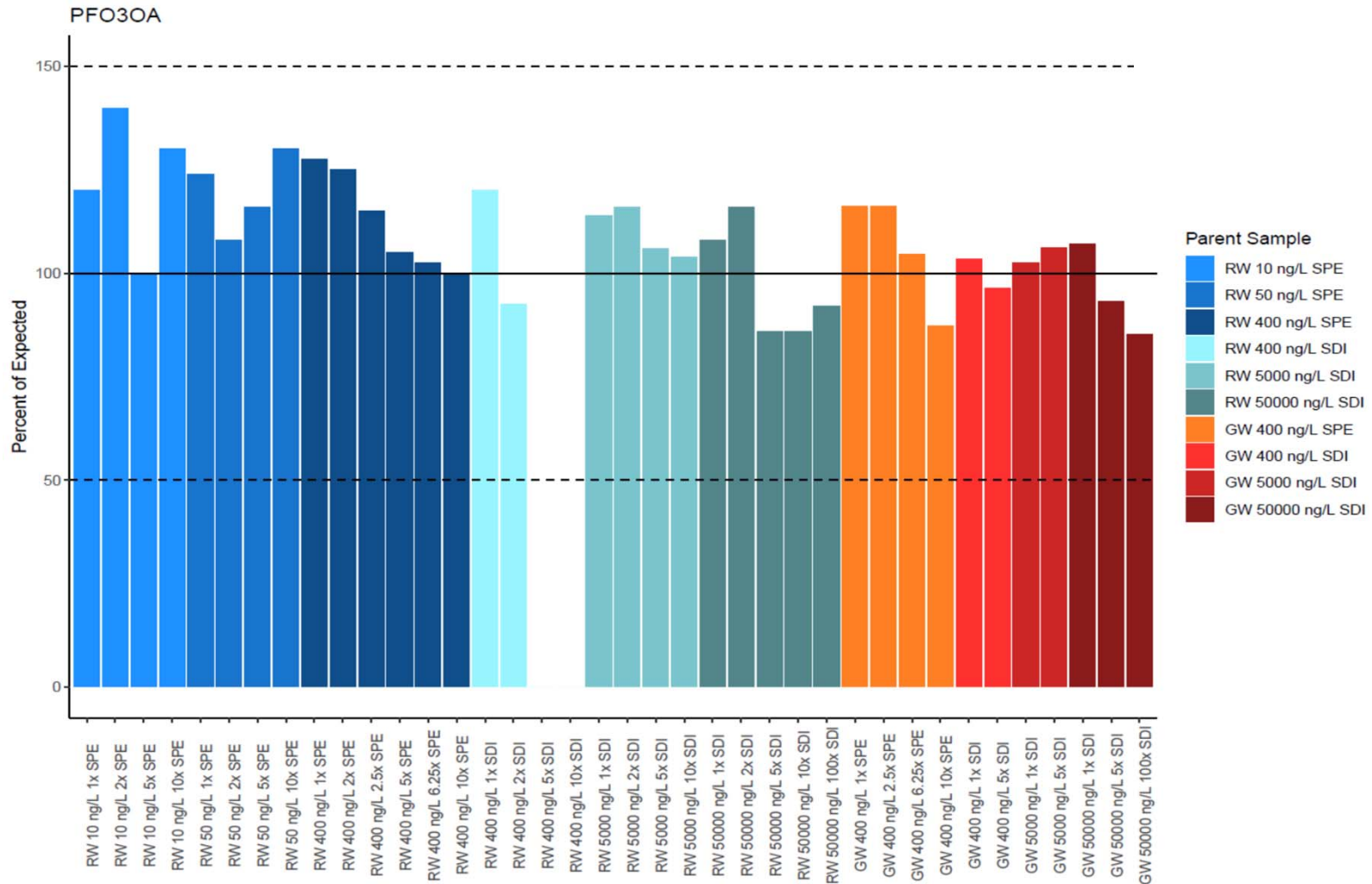
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NC License No.: C 3500 and C 295

Figure

**20**

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**Notes:**

SPE - Solid Phase Extraction

SDI - Sample dilution direct injection

ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R

RW - River Water from Cape Fear River

Mile 84

Results not plotted if the measured concentration was below the reporting limit.

———— Ideal recovery of matrix spikes (100%)

----- 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of PFO3OA  
Measured in Amended Samples in 537 Mod Max Matrix  
Interference Study**  
Chemours Fayetteville Works, North Carolina

**Geosyntec**  
consultants

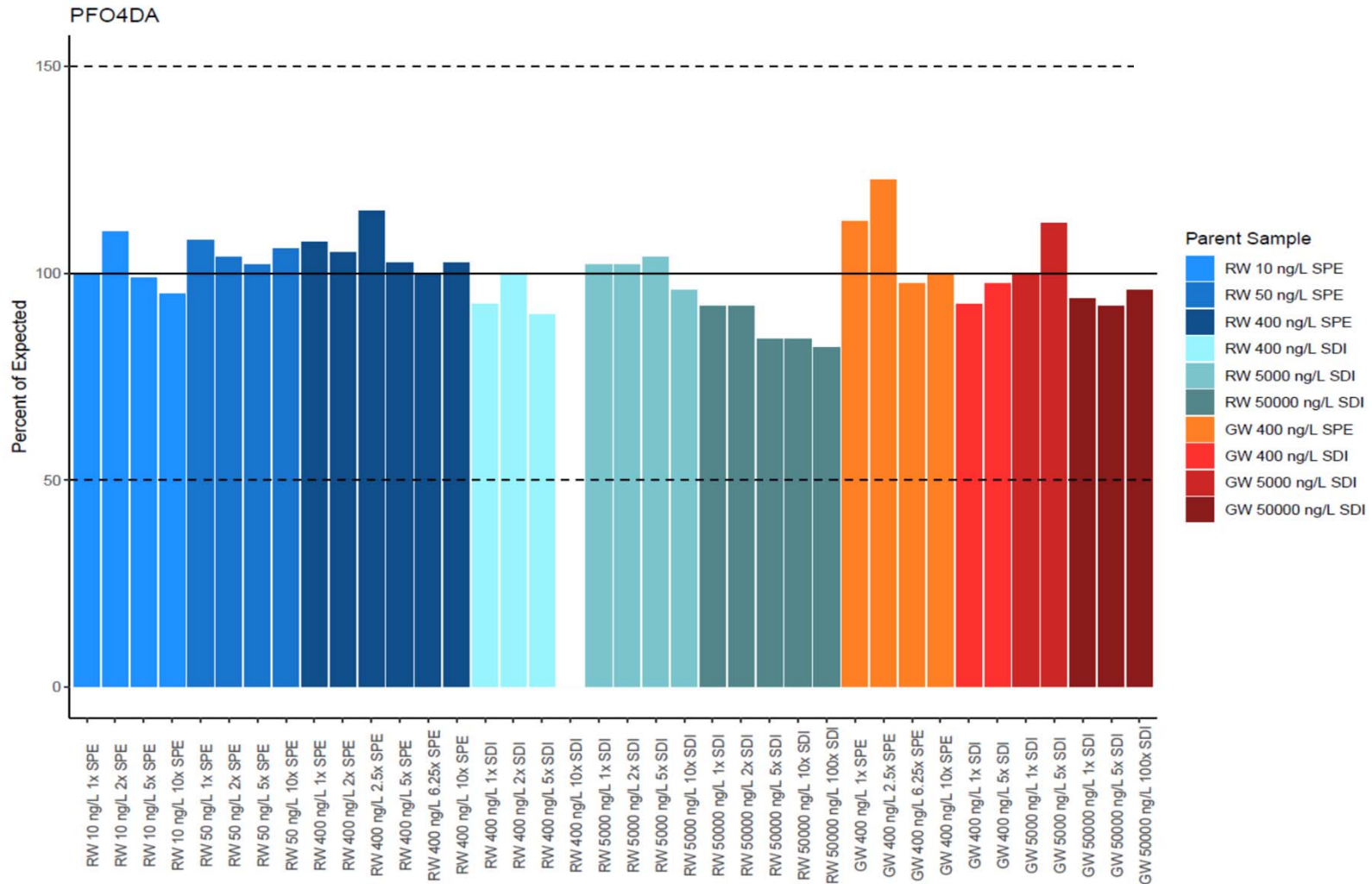
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Figure

2p

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**Notes:**

SPE - Solid Phase Extraction

SDI - Sample dilution direct injection

ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R

RW - River Water from Cape Fear River

Mile 84

Results not plotted if the measured concentration was below the reporting limit.

———— Ideal recovery of matrix spikes (100%)

----- 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of PFO4DA Measured in Amended Samples in 537 Mod Max Matrix Interference Study**  
Chemours Fayetteville Works, North Carolina

**Geosyntec**  
consultants

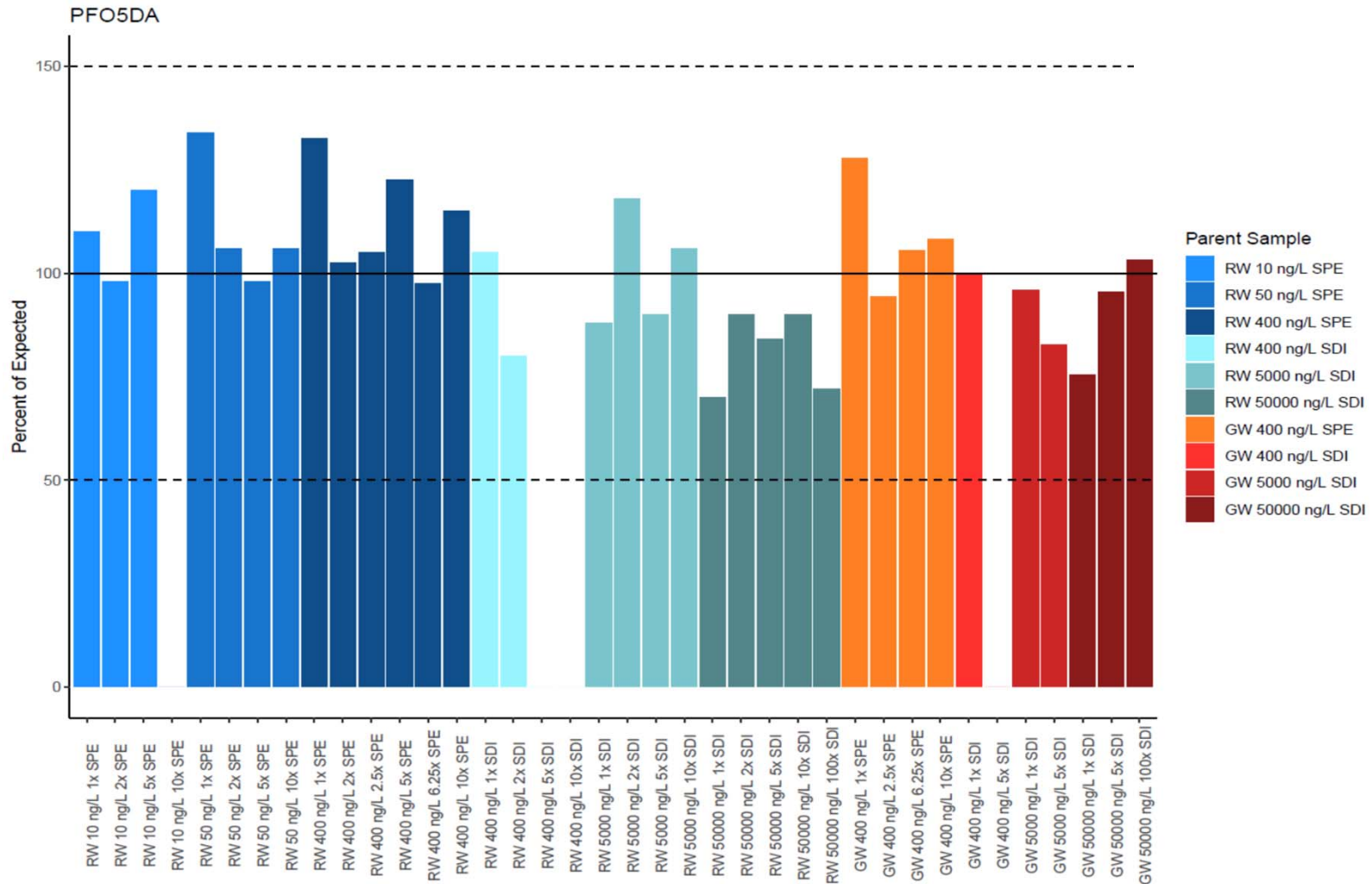
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Figure

2q

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May 2022



**Notes:**

SPE - Solid Phase Extraction

SDI - Sample dilution direct injection

ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R

RW - River Water from Cape Fear River

Mile 84

Results not plotted if the measured concentration was below the reporting limit.

———— Ideal recovery of matrix spikes (100%)

- - - - - 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of PFO5DA Measured in Amended Samples in 537 Mod Max Matrix Interference Study**  
Chemours Fayetteville Works, North Carolina

**Geosyntec**  
consultants

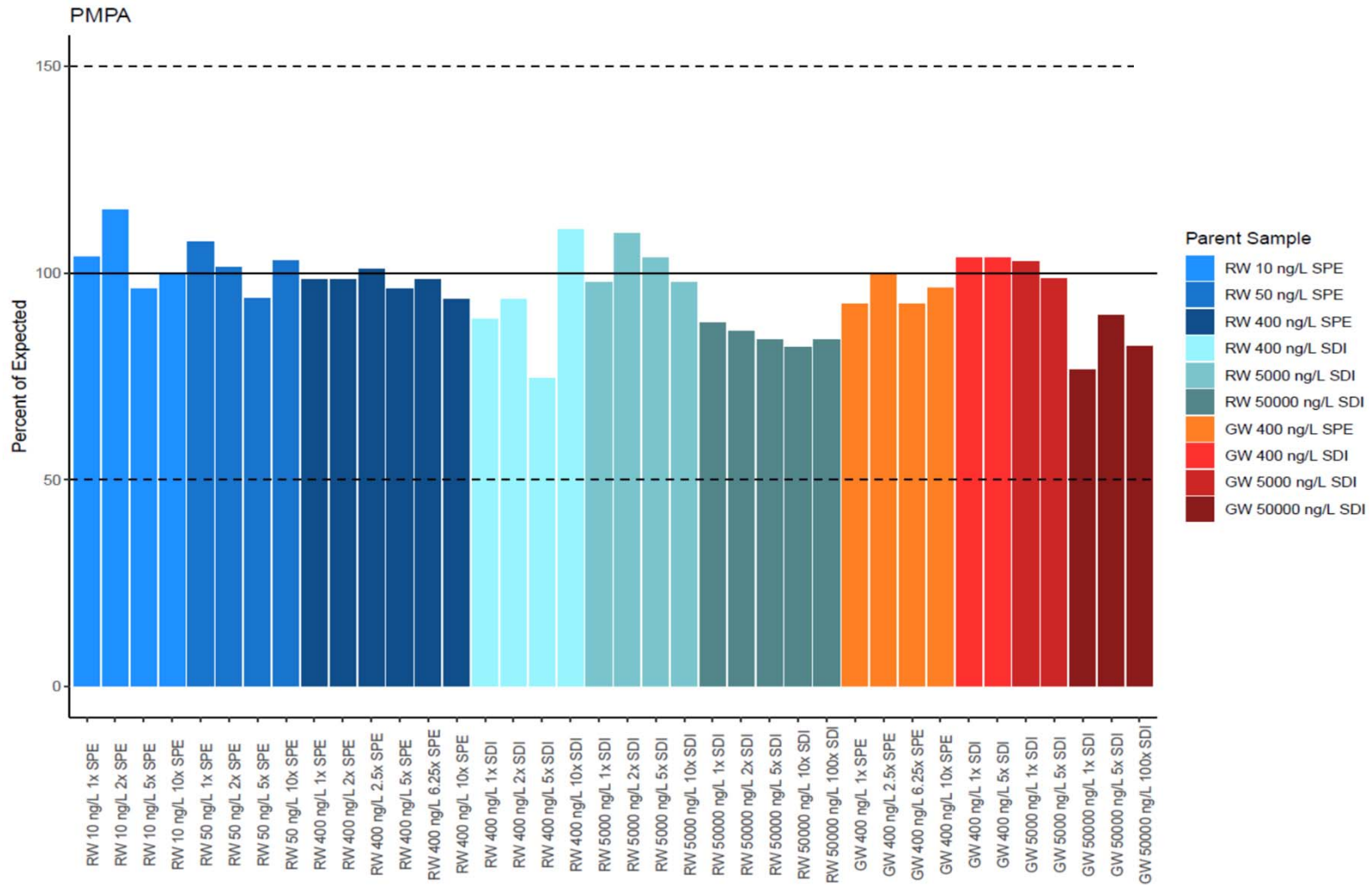
Geosyntec Consultants of NC, P.C.  
NC License No.: C 3500 and C 295

Raleigh

May 2022

Figure

2r



**Notes:**

SPE - Solid Phase Extraction

SDI - Sample dilution direct injection

ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R

RW - River Water from Cape Fear River

Mile 84

Results not plotted if the measured concentration was below the reporting limit.

———— Ideal recovery of matrix spikes (100%)

----- 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of PMPA Measured in Amended Samples in 537 Mod Max Matrix Interference Study**

Chemours Fayetteville Works, North Carolina

**Geosyntec**  
consultants

Geosyntec Consultants of NC, P.C.  
NC License No.: C 3500 and C 295

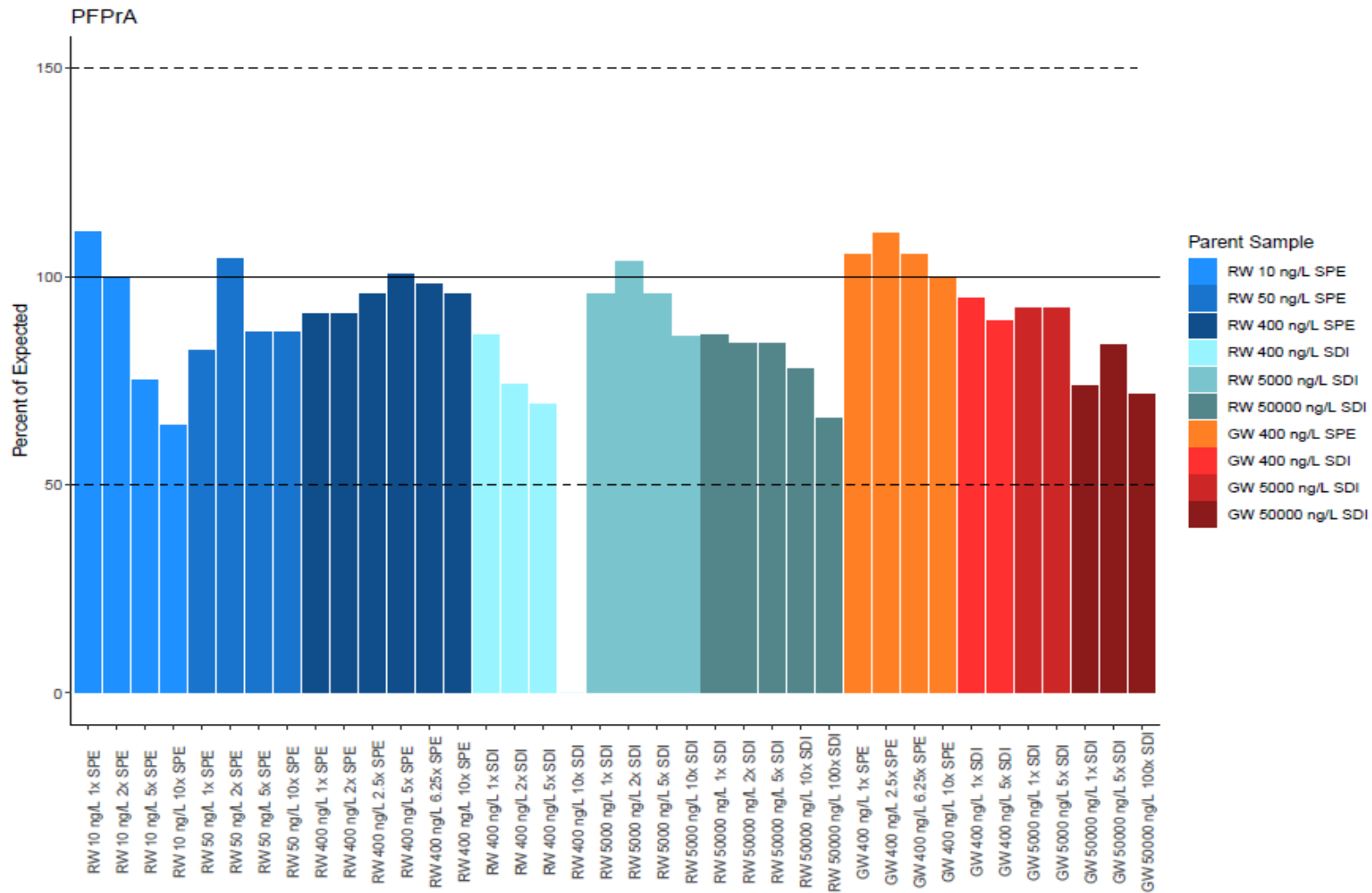
Figure

**2s**

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**Notes:**

SPE - Solid Phase Extraction

SDI - Sample dilution direct injection

ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R

RW - River Water from Cape Fear River

Mile 84

Results not plotted if the measured concentration was below the reporting limit.

1. PFPrA is formerly known as PPF Acid.

———— Ideal recovery of matrix spikes (100%)

----- 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of PFPrA<sup>1</sup> Measured in Amended Samples in 537 Mod Max Matrix Interference Study**

Chemours Fayetteville Works, North Carolina

**Geosyntec**  
consultants

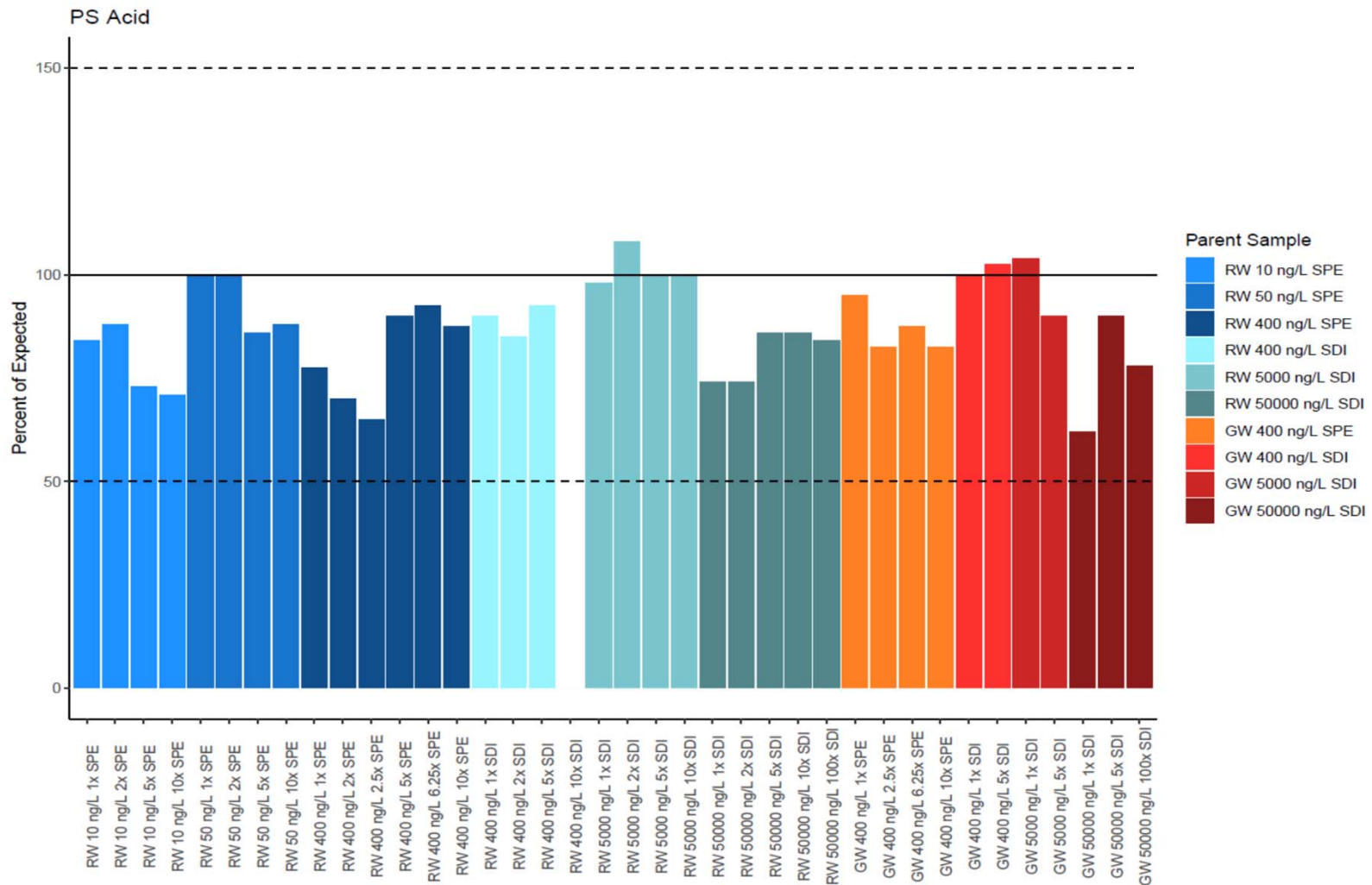
Geosyntec Consultants of NC, P.C.  
NC License No.: C 3500 and C 295

Figure

**2t**

Raleigh

May 2022



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the measured concentration was below the reporting limit.

- Ideal recovery of matrix spikes (100%)
- - - - - 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of PS Acid Measured  
 in Amended Samples in 537 Mod Max Matrix  
 Interference Study**  
 Chemours Fayetteville Works, North Carolina

**Geosyntec**  
 consultants

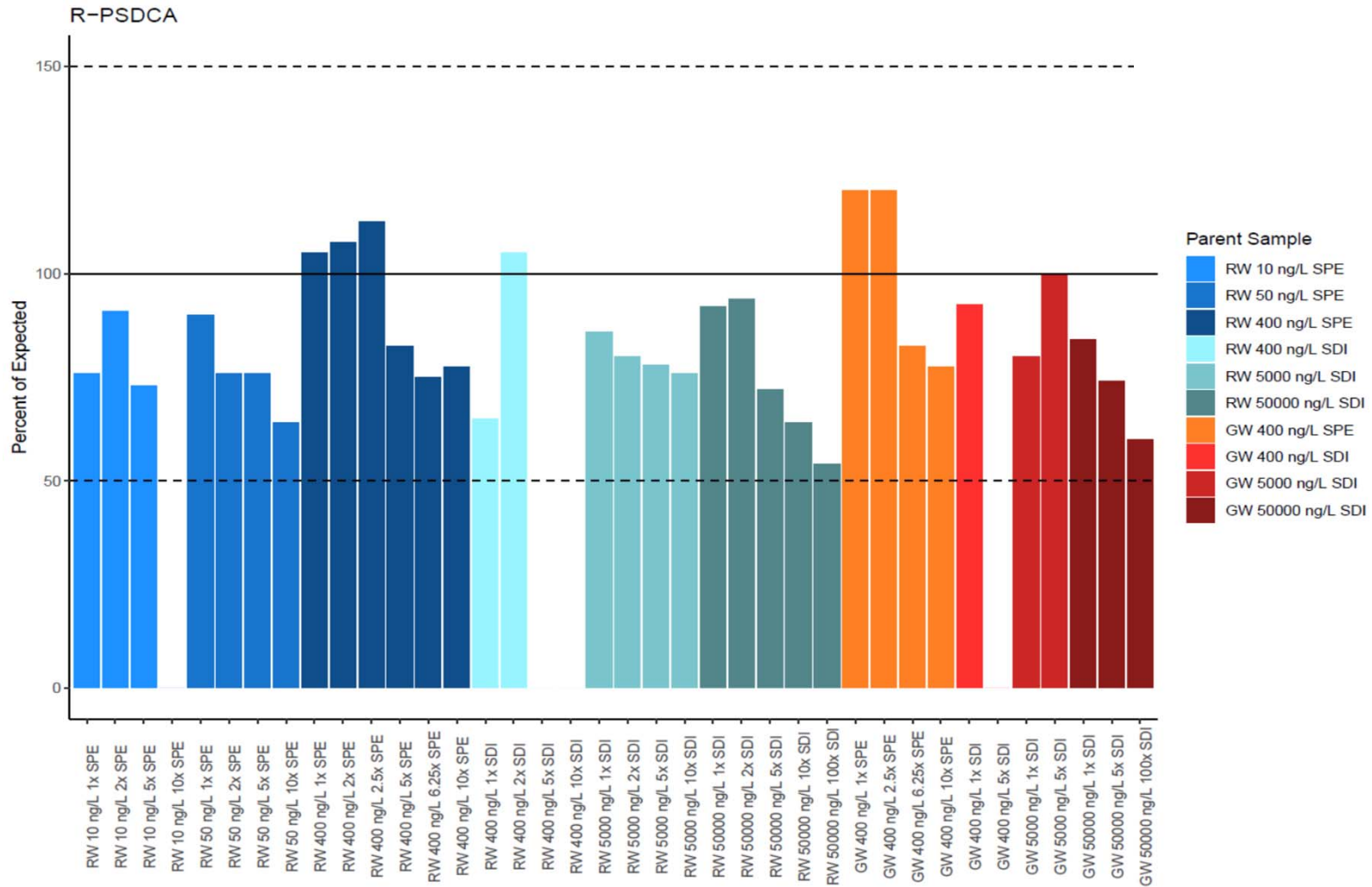
Geosyntec Consultants of NC, P.C.  
 NC License No.: C 3500 and C 295

Figure

**2u**

Raleigh

May 2022



**Notes:**

SPE - Solid Phase Extraction  
 SDI - Sample dilution direct injection  
 ng/L - nanograms per liter

GW - Groundwater from On-site Well PZ-21R  
 RW - River Water from Cape Fear River  
 Mile 84

Results not plotted if the measured concentration was below the reporting limit.

- Ideal recovery of matrix spikes (100%)
- - - - - 50% & 150% recovery of matrix spikes

**Percent of Expected Concentration of R-PSDCA  
 Measured in Amended Samples in 537 Mod Max Matrix  
 Interference Study**  
 Chemours Fayetteville Works, North Carolina

**Geosyntec**  
 consultants

Geosyntec Consultants of NC, P.C.  
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Raleigh

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Figure  
**2v**

## Appendix A

### Matrix Interference During Method 537 MM Analysis for Non-Table 3+ PFAS

Matrix spike recoveries of non-Table 3+ PFAS (PFAS that are not on the Table 3+ PFAS list; Table A1) included in the 70 compounds analyzed by EPA Method 537 Modified Max (537MM) were generally in the range between 70 and 130%, with the exception of 61 matrix spike recoveries (out of a total of 1600 matrix spike recoveries) that were not within the range between 70 and 130% (Table A2 and figures). Only 17 of the 61 matrix spike recoveries were for samples where the matrix spike concentration was greater than or equal to the concentration measured in the corresponding unspiked sample, with 11 of 17 instances involving 2H-perfluoro-2-dodecenoic acid (spike recovery 132 to 147%) and 6:2 fluorotelomer unsaturated acid (spike recovery 135 to 150%). These could indicate a minor systematic issue, which could be related to degradation of fluorotelomer carboxylic acids to corresponding fluorotelomer unsaturated acid in the spiked samples, which is known to occur in methanol solutions (Arsenault et al. 2006). The other 6 of the 17 matrix spike recoveries involved five different PFAS and were all mildly elevated between 130 and 140%. Overall, matrix spike results for non-Table 3+ PFAS with 537MM are acceptable.

In terms of the percent of the expected concentration that was measured in amended samples (Table A3 and figures), the percent of the expected concentration measured only exceeded 150% twice for non-Table 3+ PFAS for 3:3 fluorotelomer carboxylic acid in SDI of River Water amended at 400 ng/L and diluted 5x (153% for perfluoropentanoic acid (PFPeA) in River Water amended at 400 ng/L and diluted 10x (169%). These are samples with low concentrations near the reporting limits for these analytes, which likely leads to greater uncertainty in the measurements. Most measurements of the amended samples were greater than 50% of what was expected (in addition to being under 150% of what was expected). However, for certain PFAS, measurements of percent of expected between 25 and 50% occurred. The lower measurements of the post-amendment concentration occurred only in samples spiked at between 400 ng/L and 50,000 ng/L and tended to occur for larger PFAS with greater non-polar character. The PFAS involved were N-ethyl perfluorooctanesulfonamido ethanol (EtFOSE), N-ethyl perfluorooctanesulfonamide (EtFOSA), N-ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA), N-methylperfluorooctane sulfonamido acetic acid (MeFOSAA), N-methylperfluorooctane sulfonamide (MeFOSA), perfluorooctane sulfonamide (FOSA), perfluorononane sulfonic acid (PFNS), perfluorodecane sulfonic acid (PFDS), perfluorododecane sulfonic acid (PFDoS), 10:2 fluorotelomer sulfonate (10:2 FTS), F-35B Minor (11Cl-PF3OUdS), 2H-perfluoro-2-dodecenoic acid, F-35B Major (9Cl-PF3ONS), perfluorododecanoic acid (PFDoA), and perfluorotridecanoic acid (PFTrA), and 7:3 fluorotelomer carboxylic acid. The reduced recoveries of the amendments are likely due to the lower water solubility of these compounds in the amended and diluted water samples, particularly at higher amendment concentrations.

### References

Arsenault G, Chittim B, McAlees A, McCrindle R, Riddell N, Tomy G, Yeo B. 2006. Stability of saturated and unsaturated perfluoroalkyl telomer acid compounds as reference standards. Poster presented at 27<sup>th</sup> Annual SETAC North America Meeting, Montreal, Quebec, Canada, November 5-9. Poster available at [https://well-labs.com/docs/setac2006montreal-telomer\\_acid\\_-\\_no\\_colour.pdf](https://well-labs.com/docs/setac2006montreal-telomer_acid_-_no_colour.pdf)

**TABLE A1**  
**NAMES AND CAS NUMBERS FOR NON-TABLE 3+ COMPOUNDS IN THE**  
**537MM MATRIX INTERFERENCE STUDY**  
**Chemours Fayetteville Works, North Carolina**

<b>Abbreviation</b>	<b>Chemical Name</b>	<b>CASRN</b>
10:2 FTCA	10:2 Fluorotelomer carboxylic acid	53826-13-4
10:2 FTS	10:2 Fluorotelomer sulfonic acid	120226-60-0
11Cl-PF3OUdS	Ethanesulfonic acid, 2-[(8-chloro-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-hexadecafluorooctyl)oxy]-1,1,2,2-tetrafluoro-	763051-92-9
10:2 FTUCA	2H-Perfluoro-2-dodecenoic acid	70887-94-4
3:3 FTCA	3:3 Fluorotelomer carboxylic acid	356-02-5
4:2 FTS	4:2 Fluorotelomer sulfonic acid	757124-72-4
5:3 FTCA	5:3 Fluorotelomer carboxylic acid	914637-49-3
6:2 FTUCA	6:2 Fluorotelemer unsaturated acid	70887-88-6
6:2 FTCA	6:2 Fluorotelomer carboxylic acid	53826-12-3
6:2 FTS	6:2 Fluorotelomer sulfonic acid	27619-97-2
7:3 FTCA	7:3 Fluorotelomer carboxylic acid	812-70-4
8:2 FTUCA	8:2 Fluorotelemer unsaturated acid	70887-84-2
8:2 FTCA	8:2 Fluorotelomer carboxylic acid	27854-31-5
8:2 FTS	8:2 Fluorotelomer sulfonic acid	39108-34-4
9Cl-PF3ONS	Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonic acid)	756426-58-1
DONA	4,8-Dioxa-3H-perfluorononanoic acid	919005-14-4
NEtFOSE	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2
NEtFOSAA	N-ethyl perfluorooctane sulfonamidoacetic acid	2991-50-6
NEtFOSA	N-ethylperfluoro-1-octanesulfonamide	4151-50-2
NMeFOSA	N-methyl perfluorooctane sulfonamide	31506-32-8
NMeFOSE	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7
NMeFOSAA	N-methyl perfluorooctane sulfonamidoacetic acid	2355-31-9
PFECHS	Perfluoro-4-ethylcyclohexanesulfonic acid	133201-07-7
PFBS	Perfluorobutane sulfonic acid	375-73-5
PFBA	Perfluorobutanoic acid	375-22-4
PFDS	Perfluorodecane sulfonic acid	335-77-3
PFDA	Perfluorodecanoic acid	335-76-2
PFDoS	Perfluorododecane sulfonic acid	79780-39-5
PFDoA	Perfluorododecanoic acid	307-55-1
PFHpS	Perfluoroheptane sulfonic acid	375-92-8
PFHpA	Perfluoroheptanoic Acid	375-85-9
PFHxDA	Perfluorohexadecanoic acid	67905-19-5
PFHxS	Perfluorohexane Sulfonic Acid	355-46-4
PFHxA	Perfluorohexanoic Acid	307-24-4
PFNS	Perfluorononane sulfonic acid	68259-12-1
PFNA	Perfluorononanoic Acid	375-95-1
PFODA	Perfluorooctadecanoic acid	16517-11-6
FOSA	Perfluorooctane sulfonamide	754-91-6

**TABLE A1**  
**NAMES AND CAS NUMBERS FOR NON-TABLE 3+ COMPOUNDS IN THE**  
**537MM MATRIX INTERFERENCE STUDY**  
**Chemours Fayetteville Works, North Carolina**

<b>Abbreviation</b>	<b>Chemical Name</b>	<b>CASRN</b>
PFPeS	Perfluoropentane sulfonic acid	2706-91-4
PFPeA	Perfluoropentanoic Acid	2706-90-3
PFPrS	Perfluoropropanesulfonic acid	423-41-6
PFTeDA	Perfluorotetradecanoic Acid	376-06-7
PFTrDA	Perfluorotridecanoic Acid	72629-94-8
PFUnDA	Perfluoroundecanoic Acid	2058-94-8
PFECA-A	Perfluoro-4-methoxybutanoic acid	863090-89-5
PFECA-F	Perfluoro-3-methoxypropanoic acid	377-73-1
PFOA	Perfluorooctanoic acid	335-67-1
PFOS	Perfluorooctane sulfonic acid	1763-23-1

*Notes:*

CASRN - Chemical Abstracts Service (CAS) Registry Number

537MM - USEPA Method 537Mod Max

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
10:2 Fluorotelomer carboxylic acid	SPE	River Water	0 ng/L	1x	<3	36.9	36.1	98
10:2 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	1x	9.3	37	42.8	90
10:2 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	2x	8.9	74.1	85.9	104
10:2 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	5x	7.6	185	184	96
10:2 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	10x	<14	370	413	112
10:2 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	1x	53	37	84.5	86
10:2 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	2x	61	74.1	131	95
10:2 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	5x	49	185	277	123
10:2 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	10x	49	370	411	98
10:2 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	1x	420	37	302	--
10:2 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	2.5x	290	92.6	354	72
10:2 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	2x	280	74.1	401	170
10:2 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	5x	270	185	469	108
10:2 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	6.25x	350	231	563	92
10:2 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	10x	280	370	678	108
10:2 Fluorotelomer carboxylic acid	SPE	Groundwater	0 ng/L	1x	<3	32.9	31.3	95
10:2 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	1x	350	37	401	--
10:2 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	2.5x	320	92.6	412	94
10:2 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	6.25x	320	231	508	79
10:2 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	10x	290	370	585	80
10:2 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	1x	270	4630	4780	97
10:2 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	2x	<340	9260	9770	105
10:2 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	5x	<850	23100	24300	105
10:2 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	10x	<1700	46300	41900	91
10:2 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	1x	3200	4630	7390	91
10:2 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	2x	3000	9260	11100	88
10:2 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	5x	2900	23100	23800	90
10:2 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	10x	2900	46300	48600	99
10:2 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	1x	27000	4630	35400	--
10:2 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	2x	31000	9260	37300	68
10:2 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	5x	29000	23100	57400	124
10:2 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	10x	26000	46300	77200	110
10:2 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	100x	30000	463000	473000	96
10:2 Fluorotelomer carboxylic acid	SDI	Groundwater	400 ng/L	1x	390	4630	6420	130
10:2 Fluorotelomer carboxylic acid	SDI	Groundwater	400 ng/L	5x	<850	23100	26000	112
10:2 Fluorotelomer carboxylic acid	SDI	Groundwater	5000 ng/L	1x	2600	4630	8030	118
10:2 Fluorotelomer carboxylic acid	SDI	Groundwater	5000 ng/L	5x	2900	23100	27200	105
10:2 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	1x	27000	4630	31900	--
10:2 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	5x	30000	23100	47300	73
10:2 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	100x	36000	463000	422000	84
10:2 FTS	SPE	River Water	0 ng/L	1x	<2	35.5	38.1	107
10:2 FTS	SPE	River Water	10 ng/L	1x	9.1	35.7	46.8	106
10:2 FTS	SPE	River Water	10 ng/L	2x	9.6	71.4	83	103
10:2 FTS	SPE	River Water	10 ng/L	5x	7.6	179	201	108
10:2 FTS	SPE	River Water	10 ng/L	10x	10	357	374	102
10:2 FTS	SPE	River Water	50 ng/L	1x	54	35.7	91.7	105
10:2 FTS	SPE	River Water	50 ng/L	2x	46	71.4	128	115
10:2 FTS	SPE	River Water	50 ng/L	5x	44	179	213	95
10:2 FTS	SPE	River Water	50 ng/L	10x	47	357	417	104
10:2 FTS	SPE	River Water	400 ng/L	1x	340	35.7	239	--
10:2 FTS	SPE	River Water	400 ng/L	2.5x	260	89.3	327	76
10:2 FTS	SPE	River Water	400 ng/L	2x	260	71.4	315	83
10:2 FTS	SPE	River Water	400 ng/L	5x	260	179	427	94

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
10:2 FTS	SPE	River Water	400 ng/L	6.25x	260	223	532	123
10:2 FTS	SPE	River Water	400 ng/L	10x	250	357	658	115
10:2 FTS	SPE	Groundwater	0 ng/L	1x	<2	31.7	33.2	105
10:2 FTS	SPE	Groundwater	400 ng/L	1x	410	35.7	394	--
10:2 FTS	SPE	Groundwater	400 ng/L	2.5x	360	89.3	414	66
10:2 FTS	SPE	Groundwater	400 ng/L	6.25x	290	223	551	118
10:2 FTS	SPE	Groundwater	400 ng/L	10x	340	357	698	101
10:2 FTS	SDI	River Water	400 ng/L	1x	210	4460	5300	114
10:2 FTS	SDI	River Water	400 ng/L	2x	220	8930	10000	110
10:2 FTS	SDI	River Water	400 ng/L	5x	<420	22300	24600	110
10:2 FTS	SDI	River Water	400 ng/L	10x	<840	44600	46700	105
10:2 FTS	SDI	River Water	5000 ng/L	1x	2700	4460	7340	104
10:2 FTS	SDI	River Water	5000 ng/L	2x	2500	8930	10900	94
10:2 FTS	SDI	River Water	5000 ng/L	5x	2700	22300	27600	112
10:2 FTS	SDI	River Water	5000 ng/L	10x	2700	44600	56800	121
10:2 FTS	SDI	River Water	50000 ng/L	1x	25000	4460	28200	--
10:2 FTS	SDI	River Water	50000 ng/L	2x	28000	8930	32700	54
10:2 FTS	SDI	River Water	50000 ng/L	5x	24000	22300	48600	111
10:2 FTS	SDI	River Water	50000 ng/L	10x	24000	44600	70800	104
10:2 FTS	SDI	River Water	50000 ng/L	100x	27000	446000	487000	103
10:2 FTS	SDI	Groundwater	400 ng/L	1x	320	4460	4850	102
10:2 FTS	SDI	Groundwater	400 ng/L	5x	<420	22300	25600	115
10:2 FTS	SDI	Groundwater	5000 ng/L	1x	2000	4460	7080	114
10:2 FTS	SDI	Groundwater	5000 ng/L	5x	2300	22300	26600	109
10:2 FTS	SDI	Groundwater	50000 ng/L	1x	27000	4460	34600	--
10:2 FTS	SDI	Groundwater	50000 ng/L	5x	24000	22300	47800	107
10:2 FTS	SDI	Groundwater	50000 ng/L	100x	32000	446000	487000	102
11Cl-PF3OUdS	SPE	River Water	0 ng/L	1x	<2	34.7	34.6	99
11Cl-PF3OUdS	SPE	River Water	10 ng/L	1x	8.5	34.9	36.9	81
11Cl-PF3OUdS	SPE	River Water	10 ng/L	2x	7.8	69.8	79	102
11Cl-PF3OUdS	SPE	River Water	10 ng/L	5x	7.1	174	194	107
11Cl-PF3OUdS	SPE	River Water	10 ng/L	10x	7.8	349	368	103
11Cl-PF3OUdS	SPE	River Water	50 ng/L	1x	45	34.9	75.2	86
11Cl-PF3OUdS	SPE	River Water	50 ng/L	2x	36	69.8	114	112
11Cl-PF3OUdS	SPE	River Water	50 ng/L	5x	40	174	214	100
11Cl-PF3OUdS	SPE	River Water	50 ng/L	10x	43	349	423	109
11Cl-PF3OUdS	SPE	River Water	400 ng/L	1x	330	34.9	227	--
11Cl-PF3OUdS	SPE	River Water	400 ng/L	2.5x	250	87.2	301	61
11Cl-PF3OUdS	SPE	River Water	400 ng/L	2x	210	69.8	335	182
11Cl-PF3OUdS	SPE	River Water	400 ng/L	5x	240	174	428	109
11Cl-PF3OUdS	SPE	River Water	400 ng/L	6.25x	260	218	507	114
11Cl-PF3OUdS	SPE	River Water	400 ng/L	10x	200	349	652	128
11Cl-PF3OUdS	SPE	Groundwater	0 ng/L	1x	<2	31	29.5	95
11Cl-PF3OUdS	SPE	Groundwater	400 ng/L	1x	420	34.9	440	--
11Cl-PF3OUdS	SPE	Groundwater	400 ng/L	2.5x	370	87.2	408	--
11Cl-PF3OUdS	SPE	Groundwater	400 ng/L	6.25x	280	218	529	114
11Cl-PF3OUdS	SPE	Groundwater	400 ng/L	10x	330	349	708	109
11Cl-PF3OUdS	SDI	River Water	400 ng/L	1x	170	4360	5020	111
11Cl-PF3OUdS	SDI	River Water	400 ng/L	2x	160	8720	9820	111
11Cl-PF3OUdS	SDI	River Water	400 ng/L	5x	<200	21800	27300	125
11Cl-PF3OUdS	SDI	River Water	400 ng/L	10x	<400	43600	48800	112
11Cl-PF3OUdS	SDI	River Water	5000 ng/L	1x	2100	4360	6400	98
11Cl-PF3OUdS	SDI	River Water	5000 ng/L	2x	2000	8720	10900	102



**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
11Cl-PF3OUdS	SDI	River Water	5000 ng/L	5x	2400	21800	24900	103
11Cl-PF3OUdS	SDI	River Water	5000 ng/L	10x	2100	43600	57500	127
11Cl-PF3OUdS	SDI	River Water	50000 ng/L	1x	34000	4360	38600	--
11Cl-PF3OUdS	SDI	River Water	50000 ng/L	2x	38000	8720	42600	--
11Cl-PF3OUdS	SDI	River Water	50000 ng/L	5x	32000	21800	54100	102
11Cl-PF3OUdS	SDI	River Water	50000 ng/L	10x	33000	43600	78100	104
11Cl-PF3OUdS	SDI	River Water	50000 ng/L	100x	30000	436000	520000	112
11Cl-PF3OUdS	SDI	Groundwater	400 ng/L	1x	320	4360	4400	93
11Cl-PF3OUdS	SDI	Groundwater	400 ng/L	5x	300	21800	23600	107
11Cl-PF3OUdS	SDI	Groundwater	5000 ng/L	1x	1600	4360	6500	112
11Cl-PF3OUdS	SDI	Groundwater	5000 ng/L	5x	1700	21800	25000	107
11Cl-PF3OUdS	SDI	Groundwater	50000 ng/L	1x	29000	4360	32100	--
11Cl-PF3OUdS	SDI	Groundwater	50000 ng/L	5x	28000	21800	48600	93
11Cl-PF3OUdS	SDI	Groundwater	50000 ng/L	100x	34000	436000	479000	102
2H-Perfluoro-2-dodecenoic acid	SPE	River Water	0 ng/L	1x	<2	36.9	45.7	124
2H-Perfluoro-2-dodecenoic acid	SPE	River Water	10 ng/L	1x	12	37	59.6	128
2H-Perfluoro-2-dodecenoic acid	SPE	River Water	10 ng/L	2x	13	74.1	102	121
2H-Perfluoro-2-dodecenoic acid	SPE	River Water	10 ng/L	5x	9.7	185	242	125
2H-Perfluoro-2-dodecenoic acid	SPE	River Water	10 ng/L	10x	11	370	474	125
2H-Perfluoro-2-dodecenoic acid	SPE	River Water	50 ng/L	1x	64	37	108	118
2H-Perfluoro-2-dodecenoic acid	SPE	River Water	50 ng/L	2x	50	74.1	117	90
2H-Perfluoro-2-dodecenoic acid	SPE	River Water	50 ng/L	5x	41	185	271	124
2H-Perfluoro-2-dodecenoic acid	SPE	River Water	50 ng/L	10x	46	370	543	134
2H-Perfluoro-2-dodecenoic acid	SPE	River Water	400 ng/L	1x	380	37	281	--
2H-Perfluoro-2-dodecenoic acid	SPE	River Water	400 ng/L	2.5x	330	92.6	335	9
2H-Perfluoro-2-dodecenoic acid	SPE	River Water	400 ng/L	2x	280	74.1	479	269
2H-Perfluoro-2-dodecenoic acid	SPE	River Water	400 ng/L	5x	280	185	531	134
2H-Perfluoro-2-dodecenoic acid	SPE	River Water	400 ng/L	6.25x	370	231	648	119
2H-Perfluoro-2-dodecenoic acid	SPE	River Water	400 ng/L	10x	290	370	778	132
2H-Perfluoro-2-dodecenoic acid	SPE	Groundwater	0 ng/L	1x	<2	32.9	38.4	117
2H-Perfluoro-2-dodecenoic acid	SPE	Groundwater	400 ng/L	1x	480	37	318	--
2H-Perfluoro-2-dodecenoic acid	SPE	Groundwater	400 ng/L	2.5x	370	92.6	518	161
2H-Perfluoro-2-dodecenoic acid	SPE	Groundwater	400 ng/L	6.25x	280	231	652	162
2H-Perfluoro-2-dodecenoic acid	SPE	Groundwater	400 ng/L	10x	320	370	732	111
2H-Perfluoro-2-dodecenoic acid	SDI	River Water	400 ng/L	1x	230	4630	5670	118
2H-Perfluoro-2-dodecenoic acid	SDI	River Water	400 ng/L	2x	210	9260	12200	130
2H-Perfluoro-2-dodecenoic acid	SDI	River Water	400 ng/L	5x	<460	23100	27100	117
2H-Perfluoro-2-dodecenoic acid	SDI	River Water	400 ng/L	10x	<910	46300	55400	120
2H-Perfluoro-2-dodecenoic acid	SDI	River Water	5000 ng/L	1x	2200	4630	6360	91
2H-Perfluoro-2-dodecenoic acid	SDI	River Water	5000 ng/L	2x	3100	9260	16700	147
2H-Perfluoro-2-dodecenoic acid	SDI	River Water	5000 ng/L	5x	2700	23100	28300	110
2H-Perfluoro-2-dodecenoic acid	SDI	River Water	5000 ng/L	10x	3000	46300	56200	115
2H-Perfluoro-2-dodecenoic acid	SDI	River Water	50000 ng/L	1x	33000	4630	37900	--
2H-Perfluoro-2-dodecenoic acid	SDI	River Water	50000 ng/L	2x	28000	9260	48400	218
2H-Perfluoro-2-dodecenoic acid	SDI	River Water	50000 ng/L	5x	26000	23100	51600	112
2H-Perfluoro-2-dodecenoic acid	SDI	River Water	50000 ng/L	10x	34000	46300	95300	133
2H-Perfluoro-2-dodecenoic acid	SDI	River Water	50000 ng/L	100x	27000	463000	624000	129
2H-Perfluoro-2-dodecenoic acid	SDI	Groundwater	400 ng/L	1x	330	4630	5940	121
2H-Perfluoro-2-dodecenoic acid	SDI	Groundwater	400 ng/L	5x	<460	23100	26800	116
2H-Perfluoro-2-dodecenoic acid	SDI	Groundwater	5000 ng/L	1x	1700	4630	7170	118
2H-Perfluoro-2-dodecenoic acid	SDI	Groundwater	5000 ng/L	5x	1900	23100	28700	116
2H-Perfluoro-2-dodecenoic acid	SDI	Groundwater	50000 ng/L	1x	27000	4630	29500	--
2H-Perfluoro-2-dodecenoic acid	SDI	Groundwater	50000 ng/L	5x	24000	23100	41700	77

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
2H-Perfluoro-2-dodecenoic acid	SDI	Groundwater	50000 ng/L	100x	24000	463000	544000	112
3:3 Fluorotelomer carboxylic acid	SPE	River Water	0 ng/L	1x	<2	36.9	43.8	119
3:3 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	1x	13	37	57.8	121
3:3 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	2x	13	74.1	106	126
3:3 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	5x	13	185	243	125
3:3 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	10x	13	370	495	130
3:3 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	1x	65	37	99.9	95
3:3 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	2x	66	74.1	160	126
3:3 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	5x	54	185	247	104
3:3 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	10x	53	370	421	99
3:3 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	1x	440	37	445	--
3:3 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	2.5x	430	92.6	537	--
3:3 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	2x	420	74.1	503	--
3:3 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	5x	410	185	600	100
3:3 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	6.25x	400	231	622	95
3:3 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	10x	490	370	897	109
3:3 Fluorotelomer carboxylic acid	SPE	Groundwater	0 ng/L	1x	<2	32.9	41.6	126
3:3 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	1x	410	37	463	--
3:3 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	2.5x	510	92.6	616	--
3:3 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	6.25x	410	231	777	157
3:3 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	10x	370	370	868	136
3:3 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	1x	440	4630	5920	118
3:3 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	2x	430	9260	11900	123
3:3 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	5x	610	23100	30600	130
3:3 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	10x	<540	46300	49700	107
3:3 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	1x	5400	4630	11300	128
3:3 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	2x	6100	9260	17800	127
3:3 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	5x	6800	23100	35100	123
3:3 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	10x	5800	46300	61000	119
3:3 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	1x	53000	4630	55600	--
3:3 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	2x	46000	9260	57600	--
3:3 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	5x	49000	23100	75200	113
3:3 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	10x	49000	46300	108000	127
3:3 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	100x	45000	463000	612000	123
3:3 Fluorotelomer carboxylic acid	SDI	Groundwater	400 ng/L	1x	450	4630	6070	121
3:3 Fluorotelomer carboxylic acid	SDI	Groundwater	400 ng/L	5x	500	23100	28300	120
3:3 Fluorotelomer carboxylic acid	SDI	Groundwater	5000 ng/L	1x	6000	4630	11500	121
3:3 Fluorotelomer carboxylic acid	SDI	Groundwater	5000 ng/L	5x	5600	23100	30300	106
3:3 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	1x	45000	4630	50600	--
3:3 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	5x	52000	23100	69400	73
3:3 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	100x	44000	463000	637000	128
4:2 FTS	SPE	River Water	0 ng/L	1x	<2	34.4	37.6	109
4:2 FTS	SPE	River Water	10 ng/L	1x	10	34.6	49.3	114
4:2 FTS	SPE	River Water	10 ng/L	2x	9.4	69.2	77.7	99
4:2 FTS	SPE	River Water	10 ng/L	5x	8.8	173	198	109
4:2 FTS	SPE	River Water	10 ng/L	10x	8.5	346	395	112
4:2 FTS	SPE	River Water	50 ng/L	1x	49	34.6	95.3	135
4:2 FTS	SPE	River Water	50 ng/L	2x	47	69.2	123	109
4:2 FTS	SPE	River Water	50 ng/L	5x	46	173	237	110
4:2 FTS	SPE	River Water	50 ng/L	10x	51	346	430	109
4:2 FTS	SPE	River Water	400 ng/L	1x	420	34.6	448	--
4:2 FTS	SPE	River Water	400 ng/L	2.5x	470	86.5	497	--
4:2 FTS	SPE	River Water	400 ng/L	2x	390	69.2	477	--

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
4:2 FTS	SPE	River Water	400 ng/L	5x	370	173	527	92
4:2 FTS	SPE	River Water	400 ng/L	6.25x	340	216	598	121
4:2 FTS	SPE	River Water	400 ng/L	10x	350	346	738	113
4:2 FTS	SPE	Groundwater	0 ng/L	1x	<2	30.8	31.3	102
4:2 FTS	SPE	Groundwater	400 ng/L	1x	400	34.6	434	--
4:2 FTS	SPE	Groundwater	400 ng/L	2.5x	380	86.5	439	--
4:2 FTS	SPE	Groundwater	400 ng/L	6.25x	410	216	633	102
4:2 FTS	SPE	Groundwater	400 ng/L	10x	360	346	712	103
4:2 FTS	SDI	River Water	400 ng/L	1x	370	4320	4820	103
4:2 FTS	SDI	River Water	400 ng/L	2x	370	8650	9700	108
4:2 FTS	SDI	River Water	400 ng/L	5x	370	21600	25400	116
4:2 FTS	SDI	River Water	400 ng/L	10x	440	43200	44800	103
4:2 FTS	SDI	River Water	5000 ng/L	1x	4500	4320	9600	117
4:2 FTS	SDI	River Water	5000 ng/L	2x	4900	8650	14100	106
4:2 FTS	SDI	River Water	5000 ng/L	5x	4900	21600	27700	105
4:2 FTS	SDI	River Water	5000 ng/L	10x	4600	43200	57700	123
4:2 FTS	SDI	River Water	50000 ng/L	1x	40000	4320	44900	--
4:2 FTS	SDI	River Water	50000 ng/L	2x	40000	8650	45500	--
4:2 FTS	SDI	River Water	50000 ng/L	5x	40000	21600	68300	132
4:2 FTS	SDI	River Water	50000 ng/L	10x	40000	43200	80000	92
4:2 FTS	SDI	River Water	50000 ng/L	100x	34000	432000	500000	108
4:2 FTS	SDI	Groundwater	400 ng/L	1x	360	4320	4430	94
4:2 FTS	SDI	Groundwater	400 ng/L	5x	350	21600	22100	100
4:2 FTS	SDI	Groundwater	5000 ng/L	1x	4800	4320	9570	110
4:2 FTS	SDI	Groundwater	5000 ng/L	5x	4300	21600	27100	105
4:2 FTS	SDI	Groundwater	50000 ng/L	1x	44000	4320	47300	--
4:2 FTS	SDI	Groundwater	50000 ng/L	5x	42000	21600	68200	121
4:2 FTS	SDI	Groundwater	50000 ng/L	100x	36000	432000	469000	100
5:3 Fluorotelomer carboxylic acid	SPE	River Water	0 ng/L	1x	<2	36.9	38.4	104
5:3 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	1x	10	37	49.7	106
5:3 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	2x	10	74.1	84.8	101
5:3 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	5x	10	185	217	112
5:3 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	10x	8.1	370	409	108
5:3 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	1x	56	37	96	109
5:3 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	2x	56	74.1	144	119
5:3 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	5x	53	185	242	102
5:3 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	10x	53	370	443	105
5:3 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	1x	420	37	394	--
5:3 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	2.5x	430	92.6	494	--
5:3 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	2x	410	74.1	503	--
5:3 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	5x	410	185	589	98
5:3 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	6.25x	410	231	656	104
5:3 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	10x	400	370	829	116
5:3 Fluorotelomer carboxylic acid	SPE	Groundwater	0 ng/L	1x	<2	32.9	33.2	101
5:3 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	1x	420	37	442	--
5:3 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	2.5x	430	92.6	516	--
5:3 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	6.25x	400	231	651	107
5:3 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	10x	410	370	799	106
5:3 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	1x	440	4630	5270	104
5:3 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	2x	400	9260	10300	107
5:3 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	5x	410	23100	24400	103
5:3 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	10x	440	46300	50800	109
5:3 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	1x	5700	4630	10600	106

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
5:3 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	2x	5600	9260	14300	95
5:3 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	5x	5200	23100	29700	106
5:3 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	10x	5000	46300	60400	120
5:3 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	1x	44000	4630	47300	--
5:3 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	2x	45000	9260	52900	--
5:3 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	5x	42000	23100	67700	110
5:3 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	10x	46000	46300	96000	108
5:3 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	100x	39000	463000	530000	106
5:3 Fluorotelomer carboxylic acid	SDI	Groundwater	400 ng/L	1x	390	4630	5300	106
5:3 Fluorotelomer carboxylic acid	SDI	Groundwater	400 ng/L	5x	400	23100	25900	110
5:3 Fluorotelomer carboxylic acid	SDI	Groundwater	5000 ng/L	1x	5300	4630	10800	118
5:3 Fluorotelomer carboxylic acid	SDI	Groundwater	5000 ng/L	5x	5100	23100	29900	107
5:3 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	1x	42000	4630	49000	--
5:3 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	5x	47000	23100	69700	97
5:3 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	100x	46000	463000	504000	99
6:2 Fluorotelemer unsaturated acid	SPE	River Water	0 ng/L	1x	<2	36.9	47.8	130
6:2 Fluorotelemer unsaturated acid	SPE	River Water	10 ng/L	1x	11	37	57.8	126
6:2 Fluorotelemer unsaturated acid	SPE	River Water	10 ng/L	2x	13	74.1	105	125
6:2 Fluorotelemer unsaturated acid	SPE	River Water	10 ng/L	5x	12	185	266	137
6:2 Fluorotelemer unsaturated acid	SPE	River Water	10 ng/L	10x	12	370	515	136
6:2 Fluorotelemer unsaturated acid	SPE	River Water	50 ng/L	1x	63	37	105	113
6:2 Fluorotelemer unsaturated acid	SPE	River Water	50 ng/L	2x	66	74.1	160	126
6:2 Fluorotelemer unsaturated acid	SPE	River Water	50 ng/L	5x	62	185	312	135
6:2 Fluorotelemer unsaturated acid	SPE	River Water	50 ng/L	10x	65	370	570	136
6:2 Fluorotelemer unsaturated acid	SPE	River Water	400 ng/L	1x	520	37	489	--
6:2 Fluorotelemer unsaturated acid	SPE	River Water	400 ng/L	2.5x	430	92.6	554	--
6:2 Fluorotelemer unsaturated acid	SPE	River Water	400 ng/L	2x	420	74.1	545	--
6:2 Fluorotelemer unsaturated acid	SPE	River Water	400 ng/L	5x	450	185	744	160
6:2 Fluorotelemer unsaturated acid	SPE	River Water	400 ng/L	6.25x	490	231	827	144
6:2 Fluorotelemer unsaturated acid	SPE	River Water	400 ng/L	10x	450	370	1020	152
6:2 Fluorotelemer unsaturated acid	SPE	Groundwater	0 ng/L	1x	<2	32.9	38.5	117
6:2 Fluorotelemer unsaturated acid	SPE	Groundwater	400 ng/L	1x	370	37	417	--
6:2 Fluorotelemer unsaturated acid	SPE	Groundwater	400 ng/L	2.5x	480	92.6	530	--
6:2 Fluorotelemer unsaturated acid	SPE	Groundwater	400 ng/L	6.25x	490	231	758	118
6:2 Fluorotelemer unsaturated acid	SPE	Groundwater	400 ng/L	10x	440	370	924	130
6:2 Fluorotelemer unsaturated acid	SDI	River Water	400 ng/L	1x	530	4630	5530	108
6:2 Fluorotelemer unsaturated acid	SDI	River Water	400 ng/L	2x	500	9260	11800	123
6:2 Fluorotelemer unsaturated acid	SDI	River Water	400 ng/L	5x	470	23100	30600	130
6:2 Fluorotelemer unsaturated acid	SDI	River Water	400 ng/L	10x	<730	46300	55600	120
6:2 Fluorotelemer unsaturated acid	SDI	River Water	5000 ng/L	1x	5700	4630	10900	112
6:2 Fluorotelemer unsaturated acid	SDI	River Water	5000 ng/L	2x	5800	9260	17600	128
6:2 Fluorotelemer unsaturated acid	SDI	River Water	5000 ng/L	5x	6700	23100	34800	121
6:2 Fluorotelemer unsaturated acid	SDI	River Water	5000 ng/L	10x	6000	46300	75200	150
6:2 Fluorotelemer unsaturated acid	SDI	River Water	50000 ng/L	1x	53000	4630	63200	--
6:2 Fluorotelemer unsaturated acid	SDI	River Water	50000 ng/L	2x	49000	9260	65800	--
6:2 Fluorotelemer unsaturated acid	SDI	River Water	50000 ng/L	5x	52000	23100	80600	125
6:2 Fluorotelemer unsaturated acid	SDI	River Water	50000 ng/L	10x	49000	46300	111000	134
6:2 Fluorotelemer unsaturated acid	SDI	River Water	50000 ng/L	100x	49000	463000	724000	146
6:2 Fluorotelemer unsaturated acid	SDI	Groundwater	400 ng/L	1x	510	4630	5910	117
6:2 Fluorotelemer unsaturated acid	SDI	Groundwater	400 ng/L	5x	450	23100	30200	128
6:2 Fluorotelemer unsaturated acid	SDI	Groundwater	5000 ng/L	1x	5900	4630	11500	122
6:2 Fluorotelemer unsaturated acid	SDI	Groundwater	5000 ng/L	5x	6200	23100	38000	138
6:2 Fluorotelemer unsaturated acid	SDI	Groundwater	50000 ng/L	1x	42000	4630	54600	--

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
6:2 Fluorotelemer unsaturated acid	SDI	Groundwater	50000 ng/L	5x	50000	23100	73400	101
6:2 Fluorotelemer unsaturated acid	SDI	Groundwater	50000 ng/L	100x	54000	463000	646000	128
6:2 Fluorotelomer carboxylic acid	SPE	River Water	0 ng/L	1x	<2	36.9	33.4	91
6:2 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	1x	8.8	37	38.8	81
6:2 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	2x	8.6	74.1	76.9	92
6:2 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	5x	<4.8	185	167	90
6:2 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	10x	<9.6	370	359	97
6:2 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	1x	54	37	88.6	94
6:2 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	2x	50	74.1	110	80
6:2 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	5x	45	185	206	87
6:2 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	10x	48	370	353	82
6:2 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	1x	460	37	453	--
6:2 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	2.5x	410	92.6	570	--
6:2 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	2x	460	74.1	538	--
6:2 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	5x	380	185	563	98
6:2 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	6.25x	400	231	617	95
6:2 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	10x	380	370	691	85
6:2 Fluorotelomer carboxylic acid	SPE	Groundwater	0 ng/L	1x	<8.9	32.9	31.4	95
6:2 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	1x	530	37	455	--
6:2 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	2.5x	400	92.6	490	--
6:2 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	6.25x	370	231	608	103
6:2 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	10x	350	370	750	107
6:2 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	1x	390	4630	4300	85
6:2 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	2x	440	9260	8940	92
6:2 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	5x	<600	23100	21100	91
6:2 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	10x	<1200	46300	41600	90
6:2 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	1x	5400	4630	10400	109
6:2 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	2x	4700	9260	12700	86
6:2 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	5x	5400	23100	25500	87
6:2 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	10x	4900	46300	52300	102
6:2 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	1x	44000	4630	40700	--
6:2 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	2x	51000	9260	51100	--
6:2 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	5x	44000	23100	70400	114
6:2 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	10x	41000	46300	81500	88
6:2 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	100x	36000	463000	442000	88
6:2 Fluorotelomer carboxylic acid	SDI	Groundwater	400 ng/L	1x	420	4630	4150	80
6:2 Fluorotelomer carboxylic acid	SDI	Groundwater	400 ng/L	5x	<600	23100	21800	94
6:2 Fluorotelomer carboxylic acid	SDI	Groundwater	5000 ng/L	1x	4700	4630	10200	119
6:2 Fluorotelomer carboxylic acid	SDI	Groundwater	5000 ng/L	5x	4200	23100	25800	94
6:2 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	1x	48000	4630	54200	--
6:2 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	5x	42000	23100	61600	84
6:2 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	100x	38000	463000	401000	78
6:2 FTS	SPE	River Water	0 ng/L	1x	<5	35	38.2	109
6:2 FTS	SPE	River Water	10 ng/L	1x	11	35.1	48.8	109
6:2 FTS	SPE	River Water	10 ng/L	2x	10	70.2	81.5	102
6:2 FTS	SPE	River Water	10 ng/L	5x	<13	176	205	117
6:2 FTS	SPE	River Water	10 ng/L	10x	<25	351	416	119
6:2 FTS	SPE	River Water	50 ng/L	1x	59	35.1	91.6	92
6:2 FTS	SPE	River Water	50 ng/L	2x	54	70.2	127	103
6:2 FTS	SPE	River Water	50 ng/L	5x	55	176	247	109
6:2 FTS	SPE	River Water	50 ng/L	10x	52	351	449	113
6:2 FTS	SPE	River Water	400 ng/L	1x	450	35.1	442	--
6:2 FTS	SPE	River Water	400 ng/L	2.5x	440	87.8	481	--

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
6:2 FTS	SPE	River Water	400 ng/L	2x	410	70.2	491	--
6:2 FTS	SPE	River Water	400 ng/L	5x	410	176	579	95
6:2 FTS	SPE	River Water	400 ng/L	6.25x	400	219	614	96
6:2 FTS	SPE	River Water	400 ng/L	10x	400	351	781	109
6:2 FTS	SPE	Groundwater	0 ng/L	1x	<5	31.2	35.3	113
6:2 FTS	SPE	Groundwater	400 ng/L	1x	430	35.1	460	--
6:2 FTS	SPE	Groundwater	400 ng/L	2.5x	400	87.8	524	--
6:2 FTS	SPE	Groundwater	400 ng/L	6.25x	400	219	603	94
6:2 FTS	SPE	Groundwater	400 ng/L	10x	400	351	776	107
6:2 FTS	SDI	River Water	400 ng/L	1x	420	4390	5470	115
6:2 FTS	SDI	River Water	400 ng/L	2x	<630	8780	9290	106
6:2 FTS	SDI	River Water	400 ng/L	5x	<1600	21900	24400	111
6:2 FTS	SDI	River Water	400 ng/L	10x	<3100	43900	51800	118
6:2 FTS	SDI	River Water	5000 ng/L	1x	5400	4390	10500	118
6:2 FTS	SDI	River Water	5000 ng/L	2x	5600	8780	13500	90
6:2 FTS	SDI	River Water	5000 ng/L	5x	5400	21900	26200	95
6:2 FTS	SDI	River Water	5000 ng/L	10x	5100	43900	60300	126
6:2 FTS	SDI	River Water	50000 ng/L	1x	45000	4390	47800	--
6:2 FTS	SDI	River Water	50000 ng/L	2x	41000	8780	52500	--
6:2 FTS	SDI	River Water	50000 ng/L	5x	44000	21900	66800	104
6:2 FTS	SDI	River Water	50000 ng/L	10x	42000	43900	85700	100
6:2 FTS	SDI	River Water	50000 ng/L	100x	39000	439000	501000	105
6:2 FTS	SDI	Groundwater	400 ng/L	1x	410	4390	5530	117
6:2 FTS	SDI	Groundwater	400 ng/L	5x	<1600	21900	24700	113
6:2 FTS	SDI	Groundwater	5000 ng/L	1x	5100	4390	9060	90
6:2 FTS	SDI	Groundwater	5000 ng/L	5x	4300	21900	29700	116
6:2 FTS	SDI	Groundwater	50000 ng/L	1x	51000	4390	51100	--
6:2 FTS	SDI	Groundwater	50000 ng/L	5x	44000	21900	66300	104
6:2 FTS	SDI	Groundwater	50000 ng/L	100x	41000	439000	471000	98
7:3 Fluorotelomer carboxylic acid	SPE	River Water	0 ng/L	1x	<2	36.9	45.4	123
7:3 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	1x	11	37	47.2	97
7:3 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	2x	10	74.1	97	117
7:3 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	5x	8.7	185	219	114
7:3 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	10x	8.1	370	421	111
7:3 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	1x	48	37	89.2	110
7:3 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	2x	41	74.1	130	119
7:3 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	5x	39	185	237	107
7:3 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	10x	39	370	462	114
7:3 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	1x	350	37	303	--
7:3 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	2.5x	320	92.6	372	53
7:3 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	2x	300	74.1	366	--
7:3 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	5x	340	185	562	119
7:3 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	6.25x	330	231	580	109
7:3 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	10x	300	370	765	126
7:3 Fluorotelomer carboxylic acid	SPE	Groundwater	0 ng/L	1x	<2	32.9	32.7	99
7:3 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	1x	310	37	340	--
7:3 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	2.5x	340	92.6	457	124
7:3 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	6.25x	320	231	578	110
7:3 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	10x	290	370	717	114
7:3 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	1x	290	4630	5840	120
7:3 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	2x	270	9260	11400	120
7:3 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	5x	<340	23100	26200	113
7:3 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	10x	<690	46300	54900	119

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
7:3 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	1x	3900	4630	8450	99
7:3 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	2x	4400	9260	13600	99
7:3 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	5x	4800	23100	28900	104
7:3 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	10x	3900	46300	60800	123
7:3 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	1x	41000	4630	47100	--
7:3 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	2x	37000	9260	49800	139
7:3 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	5x	38000	23100	59000	89
7:3 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	10x	35000	46300	86500	112
7:3 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	100x	34000	463000	501000	101
7:3 Fluorotelomer carboxylic acid	SDI	Groundwater	400 ng/L	1x	310	4630	5040	102
7:3 Fluorotelomer carboxylic acid	SDI	Groundwater	400 ng/L	5x	<340	23100	24600	106
7:3 Fluorotelomer carboxylic acid	SDI	Groundwater	5000 ng/L	1x	2600	4630	7340	103
7:3 Fluorotelomer carboxylic acid	SDI	Groundwater	5000 ng/L	5x	2300	23100	25100	98
7:3 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	1x	30000	4630	39800	--
7:3 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	5x	36000	23100	52900	74
7:3 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	100x	30000	463000	519000	106
8:2 Fluorotelemer unsaturated acid	SPE	River Water	0 ng/L	1x	<2	36.9	44.4	120
8:2 Fluorotelemer unsaturated acid	SPE	River Water	10 ng/L	1x	11	37	54.4	117
8:2 Fluorotelemer unsaturated acid	SPE	River Water	10 ng/L	2x	11	74.1	99.5	120
8:2 Fluorotelemer unsaturated acid	SPE	River Water	10 ng/L	5x	10	185	220	113
8:2 Fluorotelemer unsaturated acid	SPE	River Water	10 ng/L	10x	10	370	432	114
8:2 Fluorotelemer unsaturated acid	SPE	River Water	50 ng/L	1x	63	37	99.5	98
8:2 Fluorotelemer unsaturated acid	SPE	River Water	50 ng/L	2x	52	74.1	134	111
8:2 Fluorotelemer unsaturated acid	SPE	River Water	50 ng/L	5x	52	185	277	122
8:2 Fluorotelemer unsaturated acid	SPE	River Water	50 ng/L	10x	53	370	494	119
8:2 Fluorotelemer unsaturated acid	SPE	River Water	400 ng/L	1x	530	37	380	--
8:2 Fluorotelemer unsaturated acid	SPE	River Water	400 ng/L	2.5x	420	92.6	509	--
8:2 Fluorotelemer unsaturated acid	SPE	River Water	400 ng/L	2x	400	74.1	478	--
8:2 Fluorotelemer unsaturated acid	SPE	River Water	400 ng/L	5x	400	185	591	105
8:2 Fluorotelemer unsaturated acid	SPE	River Water	400 ng/L	6.25x	410	231	721	133
8:2 Fluorotelemer unsaturated acid	SPE	River Water	400 ng/L	10x	400	370	836	118
8:2 Fluorotelemer unsaturated acid	SPE	Groundwater	0 ng/L	1x	<2	32.9	38.1	116
8:2 Fluorotelemer unsaturated acid	SPE	Groundwater	400 ng/L	1x	430	37	459	--
8:2 Fluorotelemer unsaturated acid	SPE	Groundwater	400 ng/L	2.5x	430	92.6	512	--
8:2 Fluorotelemer unsaturated acid	SPE	Groundwater	400 ng/L	6.25x	380	231	636	111
8:2 Fluorotelemer unsaturated acid	SPE	Groundwater	400 ng/L	10x	420	370	823	109
8:2 Fluorotelemer unsaturated acid	SDI	River Water	400 ng/L	1x	380	4630	5520	111
8:2 Fluorotelemer unsaturated acid	SDI	River Water	400 ng/L	2x	280	9260	10900	114
8:2 Fluorotelemer unsaturated acid	SDI	River Water	400 ng/L	5x	<390	23100	28500	123
8:2 Fluorotelemer unsaturated acid	SDI	River Water	400 ng/L	10x	<790	46300	54000	117
8:2 Fluorotelemer unsaturated acid	SDI	River Water	5000 ng/L	1x	4600	4630	9740	112
8:2 Fluorotelemer unsaturated acid	SDI	River Water	5000 ng/L	2x	5000	9260	14600	103
8:2 Fluorotelemer unsaturated acid	SDI	River Water	5000 ng/L	5x	4900	23100	33200	122
8:2 Fluorotelemer unsaturated acid	SDI	River Water	5000 ng/L	10x	5100	46300	64900	129
8:2 Fluorotelemer unsaturated acid	SDI	River Water	50000 ng/L	1x	42000	4630	49500	--
8:2 Fluorotelemer unsaturated acid	SDI	River Water	50000 ng/L	2x	48000	9260	52800	--
8:2 Fluorotelemer unsaturated acid	SDI	River Water	50000 ng/L	5x	44000	23100	72300	120
8:2 Fluorotelemer unsaturated acid	SDI	River Water	50000 ng/L	10x	43000	46300	92400	106
8:2 Fluorotelemer unsaturated acid	SDI	River Water	50000 ng/L	100x	44000	463000	540000	107
8:2 Fluorotelemer unsaturated acid	SDI	Groundwater	400 ng/L	1x	390	4630	5550	111
8:2 Fluorotelemer unsaturated acid	SDI	Groundwater	400 ng/L	5x	<390	23100	27000	116
8:2 Fluorotelemer unsaturated acid	SDI	Groundwater	5000 ng/L	1x	4100	4630	8990	104
8:2 Fluorotelemer unsaturated acid	SDI	Groundwater	5000 ng/L	5x	3500	23100	29100	111

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
8:2 Fluorotelermer unsaturated acid	SDI	Groundwater	50000 ng/L	1x	43000	4630	48500	--
8:2 Fluorotelermer unsaturated acid	SDI	Groundwater	50000 ng/L	5x	45000	23100	70200	111
8:2 Fluorotelermer unsaturated acid	SDI	Groundwater	50000 ng/L	100x	48000	463000	543000	107
8:2 Fluorotelomer carboxylic acid	SPE	River Water	0 ng/L	1x	<2	36.9	38.6	105
8:2 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	1x	10	37	44.4	93
8:2 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	2x	9.1	74.1	88.3	107
8:2 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	5x	6.1	185	204	107
8:2 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	10x	8	370	381	101
8:2 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	1x	70	37	99.7	81
8:2 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	2x	60	74.1	154	126
8:2 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	5x	55	185	242	101
8:2 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	10x	53	370	480	115
8:2 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	1x	570	37	422	--
8:2 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	2.5x	480	92.6	542	--
8:2 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	2x	410	74.1	539	--
8:2 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	5x	490	185	588	53
8:2 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	6.25x	390	231	636	106
8:2 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	10x	400	370	858	123
8:2 Fluorotelomer carboxylic acid	SPE	Groundwater	0 ng/L	1x	<2	32.9	33.7	102
8:2 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	1x	540	37	533	--
8:2 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	2.5x	500	92.6	561	--
8:2 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	6.25x	460	231	691	99
8:2 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	10x	430	370	728	79
8:2 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	1x	350	4630	5590	113
8:2 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	2x	310	9260	10600	111
8:2 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	5x	330	23100	24300	103
8:2 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	10x	420	46300	47600	102
8:2 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	1x	5400	4630	8930	76
8:2 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	2x	5600	9260	14100	92
8:2 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	5x	5500	23100	28600	100
8:2 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	10x	4700	46300	64000	128
8:2 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	1x	52000	4630	57000	--
8:2 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	2x	51000	9260	56100	--
8:2 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	5x	50000	23100	74500	107
8:2 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	10x	45000	46300	90600	98
8:2 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	100x	49000	463000	437000	84
8:2 Fluorotelomer carboxylic acid	SDI	Groundwater	400 ng/L	1x	410	4630	4500	88
8:2 Fluorotelomer carboxylic acid	SDI	Groundwater	400 ng/L	5x	290	23100	21800	93
8:2 Fluorotelomer carboxylic acid	SDI	Groundwater	5000 ng/L	1x	3800	4630	9110	115
8:2 Fluorotelomer carboxylic acid	SDI	Groundwater	5000 ng/L	5x	2800	23100	24100	92
8:2 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	1x	48000	4630	59300	--
8:2 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	5x	54000	23100	57400	15
8:2 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	100x	39000	463000	480000	95
8:2 FTS	SPE	River Water	0 ng/L	1x	<2	35.3	41.4	117
8:2 FTS	SPE	River Water	10 ng/L	1x	11	35.5	51.5	115
8:2 FTS	SPE	River Water	10 ng/L	2x	10	71	94.3	119
8:2 FTS	SPE	River Water	10 ng/L	5x	8.7	177	228	124
8:2 FTS	SPE	River Water	10 ng/L	10x	9.8	355	426	117
8:2 FTS	SPE	River Water	50 ng/L	1x	58	35.5	93.2	98
8:2 FTS	SPE	River Water	50 ng/L	2x	50	71	139	125
8:2 FTS	SPE	River Water	50 ng/L	5x	50	177	252	114
8:2 FTS	SPE	River Water	50 ng/L	10x	52	355	470	118
8:2 FTS	SPE	River Water	400 ng/L	1x	460	35.5	322	--



**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
8:2 FTS	SPE	River Water	400 ng/L	2.5x	390	88.7	448	--
8:2 FTS	SPE	River Water	400 ng/L	2x	380	71	473	--
8:2 FTS	SPE	River Water	400 ng/L	5x	360	177	567	117
8:2 FTS	SPE	River Water	400 ng/L	6.25x	370	222	633	118
8:2 FTS	SPE	River Water	400 ng/L	10x	400	355	824	120
8:2 FTS	SPE	Groundwater	0 ng/L	1x	<2	31.5	34.9	111
8:2 FTS	SPE	Groundwater	400 ng/L	1x	460	35.5	451	--
8:2 FTS	SPE	Groundwater	400 ng/L	2.5x	390	88.7	496	--
8:2 FTS	SPE	Groundwater	400 ng/L	6.25x	330	222	587	116
8:2 FTS	SPE	Groundwater	400 ng/L	10x	410	355	739	93
8:2 FTS	SDI	River Water	400 ng/L	1x	270	4440	5040	108
8:2 FTS	SDI	River Water	400 ng/L	2x	210	8870	10100	111
8:2 FTS	SDI	River Water	400 ng/L	5x	<290	22200	27500	124
8:2 FTS	SDI	River Water	400 ng/L	10x	<580	44400	51000	115
8:2 FTS	SDI	River Water	5000 ng/L	1x	3800	4440	8680	111
8:2 FTS	SDI	River Water	5000 ng/L	2x	3500	8870	13700	115
8:2 FTS	SDI	River Water	5000 ng/L	5x	4100	22200	30500	119
8:2 FTS	SDI	River Water	5000 ng/L	10x	4100	44400	62500	132
8:2 FTS	SDI	River Water	50000 ng/L	1x	42000	4440	47900	--
8:2 FTS	SDI	River Water	50000 ng/L	2x	42000	8870	50700	--
8:2 FTS	SDI	River Water	50000 ng/L	5x	42000	22200	68700	120
8:2 FTS	SDI	River Water	50000 ng/L	10x	42000	44400	90100	108
8:2 FTS	SDI	River Water	50000 ng/L	100x	39000	444000	601000	127
8:2 FTS	SDI	Groundwater	400 ng/L	1x	410	4440	5180	107
8:2 FTS	SDI	Groundwater	400 ng/L	5x	380	22200	24400	108
8:2 FTS	SDI	Groundwater	5000 ng/L	1x	3100	4440	8080	113
8:2 FTS	SDI	Groundwater	5000 ng/L	5x	2900	22200	29200	119
8:2 FTS	SDI	Groundwater	50000 ng/L	1x	39000	4440	46000	--
8:2 FTS	SDI	Groundwater	50000 ng/L	5x	43000	22200	65900	104
8:2 FTS	SDI	Groundwater	50000 ng/L	100x	47000	444000	531000	109
9Cl-PF3ONS	SPE	River Water	0 ng/L	1x	<2	34.4	36.9	107
9Cl-PF3ONS	SPE	River Water	10 ng/L	1x	11	34.5	47.4	105
9Cl-PF3ONS	SPE	River Water	10 ng/L	2x	10	69	92	118
9Cl-PF3ONS	SPE	River Water	10 ng/L	5x	9.1	173	210	117
9Cl-PF3ONS	SPE	River Water	10 ng/L	10x	8.6	345	411	116
9Cl-PF3ONS	SPE	River Water	50 ng/L	1x	60	34.5	94.8	100
9Cl-PF3ONS	SPE	River Water	50 ng/L	2x	49	69	131	119
9Cl-PF3ONS	SPE	River Water	50 ng/L	5x	49	173	253	118
9Cl-PF3ONS	SPE	River Water	50 ng/L	10x	51	345	476	123
9Cl-PF3ONS	SPE	River Water	400 ng/L	1x	480	34.5	317	--
9Cl-PF3ONS	SPE	River Water	400 ng/L	2.5x	360	86.3	409	--
9Cl-PF3ONS	SPE	River Water	400 ng/L	2x	320	69	448	--
9Cl-PF3ONS	SPE	River Water	400 ng/L	5x	370	173	582	123
9Cl-PF3ONS	SPE	River Water	400 ng/L	6.25x	430	216	656	104
9Cl-PF3ONS	SPE	River Water	400 ng/L	10x	370	345	790	121
9Cl-PF3ONS	SPE	Groundwater	0 ng/L	1x	<2	30.7	34.4	112
9Cl-PF3ONS	SPE	Groundwater	400 ng/L	1x	440	34.5	415	--
9Cl-PF3ONS	SPE	Groundwater	400 ng/L	2.5x	430	86.3	500	--
9Cl-PF3ONS	SPE	Groundwater	400 ng/L	6.25x	350	216	627	127
9Cl-PF3ONS	SPE	Groundwater	400 ng/L	10x	360	345	815	131
9Cl-PF3ONS	SDI	River Water	400 ng/L	1x	270	4310	5530	122
9Cl-PF3ONS	SDI	River Water	400 ng/L	2x	190	8630	10800	122
9Cl-PF3ONS	SDI	River Water	400 ng/L	5x	220	21600	28800	132

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
9CI-PF3ONS	SDI	River Water	400 ng/L	10x	300	43100	52400	121
9CI-PF3ONS	SDI	River Water	5000 ng/L	1x	3900	4310	8580	109
9CI-PF3ONS	SDI	River Water	5000 ng/L	2x	3800	8630	13800	117
9CI-PF3ONS	SDI	River Water	5000 ng/L	5x	4600	21600	27900	108
9CI-PF3ONS	SDI	River Water	5000 ng/L	10x	4300	43100	60400	130
9CI-PF3ONS	SDI	River Water	50000 ng/L	1x	50000	4310	52700	--
9CI-PF3ONS	SDI	River Water	50000 ng/L	2x	43000	8630	55700	--
9CI-PF3ONS	SDI	River Water	50000 ng/L	5x	44000	21600	64000	94
9CI-PF3ONS	SDI	River Water	50000 ng/L	10x	42000	43100	94300	122
9CI-PF3ONS	SDI	River Water	50000 ng/L	100x	43000	431000	570000	122
9CI-PF3ONS	SDI	Groundwater	400 ng/L	1x	390	4310	5080	109
9CI-PF3ONS	SDI	Groundwater	400 ng/L	5x	350	21600	26900	123
9CI-PF3ONS	SDI	Groundwater	5000 ng/L	1x	3300	4310	9020	132
9CI-PF3ONS	SDI	Groundwater	5000 ng/L	5x	2700	21600	29000	122
9CI-PF3ONS	SDI	Groundwater	50000 ng/L	1x	40000	4310	44800	--
9CI-PF3ONS	SDI	Groundwater	50000 ng/L	5x	47000	21600	68400	102
9CI-PF3ONS	SDI	Groundwater	50000 ng/L	100x	50000	431000	526000	110
DONA	SPE	River Water	0 ng/L	1x	<2	34.7	41.8	120
DONA	SPE	River Water	10 ng/L	1x	11	34.9	50.1	113
DONA	SPE	River Water	10 ng/L	2x	11	69.8	95.6	121
DONA	SPE	River Water	10 ng/L	5x	10	174	221	121
DONA	SPE	River Water	10 ng/L	10x	9.6	349	423	118
DONA	SPE	River Water	50 ng/L	1x	56	34.9	94.4	112
DONA	SPE	River Water	50 ng/L	2x	53	69.8	127	106
DONA	SPE	River Water	50 ng/L	5x	51	174	257	119
DONA	SPE	River Water	50 ng/L	10x	56	349	501	127
DONA	SPE	River Water	400 ng/L	1x	440	34.9	451	--
DONA	SPE	River Water	400 ng/L	2.5x	440	87.2	567	--
DONA	SPE	River Water	400 ng/L	2x	390	69.8	520	--
DONA	SPE	River Water	400 ng/L	5x	420	174	604	106
DONA	SPE	River Water	400 ng/L	6.25x	430	218	672	112
DONA	SPE	River Water	400 ng/L	10x	410	349	817	116
DONA	SPE	Groundwater	0 ng/L	1x	<2	31	34.2	110
DONA	SPE	Groundwater	400 ng/L	1x	460	34.9	443	--
DONA	SPE	Groundwater	400 ng/L	2.5x	420	87.2	501	--
DONA	SPE	Groundwater	400 ng/L	6.25x	370	218	665	136
DONA	SPE	Groundwater	400 ng/L	10x	400	349	861	131
DONA	SDI	River Water	400 ng/L	1x	470	4360	5520	116
DONA	SDI	River Water	400 ng/L	2x	450	8720	11300	124
DONA	SDI	River Water	400 ng/L	5x	430	21800	27000	122
DONA	SDI	River Water	400 ng/L	10x	<500	43600	51000	117
DONA	SDI	River Water	5000 ng/L	1x	5500	4360	10200	107
DONA	SDI	River Water	5000 ng/L	2x	5700	8720	14800	105
DONA	SDI	River Water	5000 ng/L	5x	6000	21800	30000	110
DONA	SDI	River Water	5000 ng/L	10x	5700	43600	64200	134
DONA	SDI	River Water	50000 ng/L	1x	40000	4360	51800	--
DONA	SDI	River Water	50000 ng/L	2x	47000	8720	51500	--
DONA	SDI	River Water	50000 ng/L	5x	44000	21800	64500	92
DONA	SDI	River Water	50000 ng/L	10x	44000	43600	95000	118
DONA	SDI	River Water	50000 ng/L	100x	44000	436000	553000	117
DONA	SDI	Groundwater	400 ng/L	1x	410	4360	5030	106
DONA	SDI	Groundwater	400 ng/L	5x	420	21800	25200	114
DONA	SDI	Groundwater	5000 ng/L	1x	5200	4360	10400	117

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
DONA	SDI	Groundwater	5000 ng/L	5x	5200	21800	30100	114
DONA	SDI	Groundwater	50000 ng/L	1x	46000	4360	49500	--
DONA	SDI	Groundwater	50000 ng/L	5x	46000	21800	66400	93
DONA	SDI	Groundwater	50000 ng/L	100x	50000	436000	522000	108
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	0 ng/L	1x	<5	36.9	41.7	113
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	10 ng/L	1x	10	37	49.6	106
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	10 ng/L	2x	11	74.1	88.9	106
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	10 ng/L	5x	9.5	185	211	109
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	10 ng/L	10x	<13	370	392	106
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	50 ng/L	1x	60	37	91.7	85
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	50 ng/L	2x	50	74.1	131	110
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	50 ng/L	5x	43	185	258	116
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	50 ng/L	10x	48	370	460	111
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	400 ng/L	1x	390	37	288	--
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	400 ng/L	2.5x	300	92.6	346	48
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	400 ng/L	2x	280	74.1	388	143
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	400 ng/L	5x	280	185	504	121
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	400 ng/L	6.25x	300	231	553	109
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	400 ng/L	10x	260	370	740	130
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	Groundwater	0 ng/L	1x	<5	32.9	35	106
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	Groundwater	400 ng/L	1x	400	37	386	--
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	Groundwater	400 ng/L	2.5x	360	92.6	457	108
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	Groundwater	400 ng/L	6.25x	270	231	534	115
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	Groundwater	400 ng/L	10x	270	370	705	117
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	400 ng/L	1x	190	4630	5570	116
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	400 ng/L	2x	<330	9260	10600	114
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	400 ng/L	5x	<810	23100	26500	114
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	400 ng/L	10x	<1600	46300	49200	106
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	5000 ng/L	1x	2500	4630	7660	111
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	5000 ng/L	2x	2700	9260	11700	97
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	5000 ng/L	5x	2600	23100	26700	104
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	5000 ng/L	10x	2400	46300	58700	122
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	50000 ng/L	1x	34000	4630	38700	--
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	50000 ng/L	2x	31000	9260	41500	110
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	50000 ng/L	5x	33000	23100	57700	107
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	50000 ng/L	10x	33000	46300	82100	107
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	50000 ng/L	100x	34000	463000	531000	107
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	Groundwater	400 ng/L	1x	290	4630	5210	106
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	Groundwater	400 ng/L	5x	<810	23100	25400	110
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	Groundwater	5000 ng/L	1x	1700	4630	6570	105
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	Groundwater	5000 ng/L	5x	1800	23100	25000	100
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	Groundwater	50000 ng/L	1x	25000	4630	31400	--
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	Groundwater	50000 ng/L	5x	27000	23100	50700	102
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	Groundwater	50000 ng/L	100x	30000	463000	498000	101
N-ethylperfluoro-1-octanesulfonamide	SPE	River Water	0 ng/L	1x	<2	36.9	42	114
N-ethylperfluoro-1-octanesulfonamide	SPE	River Water	10 ng/L	1x	7.8	37	51.6	118
N-ethylperfluoro-1-octanesulfonamide	SPE	River Water	10 ng/L	2x	7.9	74.1	93.4	116
N-ethylperfluoro-1-octanesulfonamide	SPE	River Water	10 ng/L	5x	5.9	185	236	124
N-ethylperfluoro-1-octanesulfonamide	SPE	River Water	10 ng/L	10x	<8.7	370	440	119
N-ethylperfluoro-1-octanesulfonamide	SPE	River Water	50 ng/L	1x	43	37	88.8	123
N-ethylperfluoro-1-octanesulfonamide	SPE	River Water	50 ng/L	2x	38	74.1	123	115
N-ethylperfluoro-1-octanesulfonamide	SPE	River Water	50 ng/L	5x	37	185	251	116
N-ethylperfluoro-1-octanesulfonamide	SPE	River Water	50 ng/L	10x	34	370	463	116

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
N-ethylperfluoro-1-octanesulfonamide	SPE	River Water	400 ng/L	1x	210	37	186	--
N-ethylperfluoro-1-octanesulfonamide	SPE	River Water	400 ng/L	2.5x	170	92.6	243	82
N-ethylperfluoro-1-octanesulfonamide	SPE	River Water	400 ng/L	2x	150	74.1	256	145
N-ethylperfluoro-1-octanesulfonamide	SPE	River Water	400 ng/L	5x	150	185	370	118
N-ethylperfluoro-1-octanesulfonamide	SPE	River Water	400 ng/L	6.25x	150	231	418	115
N-ethylperfluoro-1-octanesulfonamide	SPE	River Water	400 ng/L	10x	130	370	590	125
N-ethylperfluoro-1-octanesulfonamide	SPE	Groundwater	0 ng/L	1x	<2	32.9	40.5	123
N-ethylperfluoro-1-octanesulfonamide	SPE	Groundwater	400 ng/L	1x	350	37	372	--
N-ethylperfluoro-1-octanesulfonamide	SPE	Groundwater	400 ng/L	2.5x	340	92.6	416	83
N-ethylperfluoro-1-octanesulfonamide	SPE	Groundwater	400 ng/L	6.25x	250	231	518	118
N-ethylperfluoro-1-octanesulfonamide	SPE	Groundwater	400 ng/L	10x	280	370	649	101
N-ethylperfluoro-1-octanesulfonamide	SDI	River Water	400 ng/L	1x	140	4630	5560	117
N-ethylperfluoro-1-octanesulfonamide	SDI	River Water	400 ng/L	2x	<220	9260	10900	118
N-ethylperfluoro-1-octanesulfonamide	SDI	River Water	400 ng/L	5x	<540	23100	27800	120
N-ethylperfluoro-1-octanesulfonamide	SDI	River Water	400 ng/L	10x	<1100	46300	53200	115
N-ethylperfluoro-1-octanesulfonamide	SDI	River Water	5000 ng/L	1x	1900	4630	7040	110
N-ethylperfluoro-1-octanesulfonamide	SDI	River Water	5000 ng/L	2x	1800	9260	12400	114
N-ethylperfluoro-1-octanesulfonamide	SDI	River Water	5000 ng/L	5x	1700	23100	28600	116
N-ethylperfluoro-1-octanesulfonamide	SDI	River Water	5000 ng/L	10x	1800	46300	59200	124
N-ethylperfluoro-1-octanesulfonamide	SDI	River Water	50000 ng/L	1x	20000	4630	24400	--
N-ethylperfluoro-1-octanesulfonamide	SDI	River Water	50000 ng/L	2x	19000	9260	29000	108
N-ethylperfluoro-1-octanesulfonamide	SDI	River Water	50000 ng/L	5x	17000	23100	44200	117
N-ethylperfluoro-1-octanesulfonamide	SDI	River Water	50000 ng/L	10x	17000	46300	70900	116
N-ethylperfluoro-1-octanesulfonamide	SDI	River Water	50000 ng/L	100x	16000	463000	536000	112
N-ethylperfluoro-1-octanesulfonamide	SDI	Groundwater	400 ng/L	1x	290	4630	5180	106
N-ethylperfluoro-1-octanesulfonamide	SDI	Groundwater	400 ng/L	5x	<540	23100	28100	121
N-ethylperfluoro-1-octanesulfonamide	SDI	Groundwater	5000 ng/L	1x	1600	4630	6670	110
N-ethylperfluoro-1-octanesulfonamide	SDI	Groundwater	5000 ng/L	5x	1500	23100	27300	112
N-ethylperfluoro-1-octanesulfonamide	SDI	Groundwater	50000 ng/L	1x	20000	4630	24500	--
N-ethylperfluoro-1-octanesulfonamide	SDI	Groundwater	50000 ng/L	5x	20000	23100	44000	102
N-ethylperfluoro-1-octanesulfonamide	SDI	Groundwater	50000 ng/L	100x	16000	463000	526000	110
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	0 ng/L	1x	<5	36.9	37.7	102
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	10 ng/L	1x	12	37	45.2	91
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	10 ng/L	2x	9.5	74.1	83.2	99
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	10 ng/L	5x	9.6	185	195	100
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	10 ng/L	10x	<12	370	392	106
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	50 ng/L	1x	50	37	87.9	101
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	50 ng/L	2x	50	74.1	124	100
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	50 ng/L	5x	49	185	251	109
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	50 ng/L	10x	47	370	443	107
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	400 ng/L	1x	420	37	287	--
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	400 ng/L	2.5x	310	92.6	352	48
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	400 ng/L	2x	290	74.1	391	141
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	400 ng/L	5x	310	185	481	91
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	400 ng/L	6.25x	330	231	579	108
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	400 ng/L	10x	290	370	762	126
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	Groundwater	0 ng/L	1x	<5	32.9	32.9	100
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	Groundwater	400 ng/L	1x	350	37	380	--
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	Groundwater	400 ng/L	2.5x	330	92.6	406	83
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	Groundwater	400 ng/L	6.25x	270	231	499	101
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	Groundwater	400 ng/L	10x	270	370	658	105
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	400 ng/L	1x	210	4630	5050	105
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	400 ng/L	2x	<300	9260	9320	101

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	400 ng/L	5x	<750	23100	23600	102
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	400 ng/L	10x	<1500	46300	46200	100
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	5000 ng/L	1x	2900	4630	7280	94
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	5000 ng/L	2x	2600	9260	11500	96
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	5000 ng/L	5x	2500	23100	25400	99
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	5000 ng/L	10x	2900	46300	54100	111
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	50000 ng/L	1x	33000	4630	36000	--
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	50000 ng/L	2x	30000	9260	41200	116
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	50000 ng/L	5x	32000	23100	53300	91
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	50000 ng/L	10x	31000	46300	83600	114
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	50000 ng/L	100x	30000	463000	499000	101
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	Groundwater	400 ng/L	1x	300	4630	4870	99
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	Groundwater	400 ng/L	5x	<750	23100	24500	106
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	Groundwater	5000 ng/L	1x	1800	4630	6550	102
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	Groundwater	5000 ng/L	5x	1900	23100	25400	102
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	Groundwater	50000 ng/L	1x	26000	4630	29200	--
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	Groundwater	50000 ng/L	5x	30000	23100	52700	99
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	Groundwater	50000 ng/L	100x	29000	463000	462000	93
NEtFOSE	SPE	River Water	0 ng/L	1x	<2	36.9	36	98
NEtFOSE	SPE	River Water	10 ng/L	1x	8.2	37	44.5	98
NEtFOSE	SPE	River Water	10 ng/L	2x	6.2	74.1	78.9	98
NEtFOSE	SPE	River Water	10 ng/L	5x	5.8	185	200	105
NEtFOSE	SPE	River Water	10 ng/L	10x	<8.5	370	403	109
NEtFOSE	SPE	River Water	50 ng/L	1x	38	37	78.6	110
NEtFOSE	SPE	River Water	50 ng/L	2x	33	74.1	98.8	89
NEtFOSE	SPE	River Water	50 ng/L	5x	30	185	255	121
NEtFOSE	SPE	River Water	50 ng/L	10x	30	370	426	107
NEtFOSE	SPE	River Water	400 ng/L	1x	180	37	150	--
NEtFOSE	SPE	River Water	400 ng/L	2.5x	140	92.6	223	93
NEtFOSE	SPE	River Water	400 ng/L	2x	130	74.1	221	121
NEtFOSE	SPE	River Water	400 ng/L	5x	110	185	306	104
NEtFOSE	SPE	River Water	400 ng/L	6.25x	120	231	371	108
NEtFOSE	SPE	River Water	400 ng/L	10x	110	370	530	113
NEtFOSE	SPE	Groundwater	0 ng/L	1x	<2	32.9	34	103
NEtFOSE	SPE	Groundwater	400 ng/L	1x	350	37	372	--
NEtFOSE	SPE	Groundwater	400 ng/L	2.5x	300	92.6	389	100
NEtFOSE	SPE	Groundwater	400 ng/L	6.25x	220	231	479	112
NEtFOSE	SPE	Groundwater	400 ng/L	10x	270	370	595	87
NEtFOSE	SDI	River Water	400 ng/L	1x	190	4630	5490	115
NEtFOSE	SDI	River Water	400 ng/L	2x	<210	9260	10400	112
NEtFOSE	SDI	River Water	400 ng/L	5x	<530	23100	23400	101
NEtFOSE	SDI	River Water	400 ng/L	10x	<1100	46300	49900	108
NEtFOSE	SDI	River Water	5000 ng/L	1x	2200	4630	6960	103
NEtFOSE	SDI	River Water	5000 ng/L	2x	2100	9260	10600	92
NEtFOSE	SDI	River Water	5000 ng/L	5x	2000	23100	27300	110
NEtFOSE	SDI	River Water	5000 ng/L	10x	1800	46300	58400	122
NEtFOSE	SDI	River Water	50000 ng/L	1x	23000	4630	28200	--
NEtFOSE	SDI	River Water	50000 ng/L	2x	23000	9260	33600	115
NEtFOSE	SDI	River Water	50000 ng/L	5x	19000	23100	45800	116
NEtFOSE	SDI	River Water	50000 ng/L	10x	24000	46300	68500	97
NEtFOSE	SDI	River Water	50000 ng/L	100x	21000	463000	490000	101
NEtFOSE	SDI	Groundwater	400 ng/L	1x	290	4630	4790	97
NEtFOSE	SDI	Groundwater	400 ng/L	5x	<530	23100	22700	98

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
NEtFOSE	SDI	Groundwater	5000 ng/L	1x	1800	4630	6390	99
NEtFOSE	SDI	Groundwater	5000 ng/L	5x	1700	23100	26100	105
NEtFOSE	SDI	Groundwater	50000 ng/L	1x	28000	4630	33300	--
NEtFOSE	SDI	Groundwater	50000 ng/L	5x	26000	23100	46600	91
NEtFOSE	SDI	Groundwater	50000 ng/L	100x	26000	463000	494000	101
NMeFOSA	SPE	River Water	0 ng/L	1x	<2	36.9	40.3	109
NMeFOSA	SPE	River Water	10 ng/L	1x	8.8	37	49.1	109
NMeFOSA	SPE	River Water	10 ng/L	2x	7.9	74.1	86.9	107
NMeFOSA	SPE	River Water	10 ng/L	5x	5.5	185	216	114
NMeFOSA	SPE	River Water	10 ng/L	10x	5.1	370	438	117
NMeFOSA	SPE	River Water	50 ng/L	1x	44	37	83	107
NMeFOSA	SPE	River Water	50 ng/L	2x	38	74.1	123	115
NMeFOSA	SPE	River Water	50 ng/L	5x	34	185	246	115
NMeFOSA	SPE	River Water	50 ng/L	10x	34	370	433	108
NMeFOSA	SPE	River Water	400 ng/L	1x	250	37	200	--
NMeFOSA	SPE	River Water	400 ng/L	2.5x	200	92.6	288	99
NMeFOSA	SPE	River Water	400 ng/L	2x	210	74.1	282	96
NMeFOSA	SPE	River Water	400 ng/L	5x	170	185	379	114
NMeFOSA	SPE	River Water	400 ng/L	6.25x	170	231	435	112
NMeFOSA	SPE	River Water	400 ng/L	10x	160	370	645	132
NMeFOSA	SPE	Groundwater	0 ng/L	1x	<2	32.9	36.2	110
NMeFOSA	SPE	Groundwater	400 ng/L	1x	370	37	376	--
NMeFOSA	SPE	Groundwater	400 ng/L	2.5x	320	92.6	396	82
NMeFOSA	SPE	Groundwater	400 ng/L	6.25x	240	231	486	105
NMeFOSA	SPE	Groundwater	400 ng/L	10x	260	370	621	98
NMeFOSA	SDI	River Water	400 ng/L	1x	140	4630	5290	111
NMeFOSA	SDI	River Water	400 ng/L	2x	160	9260	10800	115
NMeFOSA	SDI	River Water	400 ng/L	5x	<270	23100	25200	109
NMeFOSA	SDI	River Water	400 ng/L	10x	<540	46300	49800	108
NMeFOSA	SDI	River Water	5000 ng/L	1x	1900	4630	6790	105
NMeFOSA	SDI	River Water	5000 ng/L	2x	1900	9260	11400	103
NMeFOSA	SDI	River Water	5000 ng/L	5x	1800	23100	26000	104
NMeFOSA	SDI	River Water	5000 ng/L	10x	1600	46300	58600	123
NMeFOSA	SDI	River Water	50000 ng/L	1x	20000	4630	25300	--
NMeFOSA	SDI	River Water	50000 ng/L	2x	20000	9260	28700	100
NMeFOSA	SDI	River Water	50000 ng/L	5x	18000	23100	42200	106
NMeFOSA	SDI	River Water	50000 ng/L	10x	18000	46300	64800	100
NMeFOSA	SDI	River Water	50000 ng/L	100x	16000	463000	500000	104
NMeFOSA	SDI	Groundwater	400 ng/L	1x	270	4630	5180	106
NMeFOSA	SDI	Groundwater	400 ng/L	5x	<270	23100	25000	108
NMeFOSA	SDI	Groundwater	5000 ng/L	1x	1500	4630	6570	109
NMeFOSA	SDI	Groundwater	5000 ng/L	5x	1400	23100	25700	105
NMeFOSA	SDI	Groundwater	50000 ng/L	1x	22000	4630	25900	--
NMeFOSA	SDI	Groundwater	50000 ng/L	5x	20000	23100	44100	103
NMeFOSA	SDI	Groundwater	50000 ng/L	100x	16000	463000	516000	108
NMeFOSE	SPE	River Water	0 ng/L	1x	<4	36.9	40.2	109
NMeFOSE	SPE	River Water	10 ng/L	1x	7.7	37	43.6	97
NMeFOSE	SPE	River Water	10 ng/L	2x	6.5	74.1	88.2	110
NMeFOSE	SPE	River Water	10 ng/L	5x	<7	185	212	114
NMeFOSE	SPE	River Water	10 ng/L	10x	<14	370	410	111
NMeFOSE	SPE	River Water	50 ng/L	1x	41	37	75.8	94
NMeFOSE	SPE	River Water	50 ng/L	2x	36	74.1	104	92
NMeFOSE	SPE	River Water	50 ng/L	5x	32	185	231	108

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
NMeFOSE	SPE	River Water	50 ng/L	10x	33	370	440	110
NMeFOSE	SPE	River Water	400 ng/L	1x	210	37	196	--
NMeFOSE	SPE	River Water	400 ng/L	2.5x	180	92.6	259	90
NMeFOSE	SPE	River Water	400 ng/L	2x	180	74.1	265	119
NMeFOSE	SPE	River Water	400 ng/L	5x	160	185	359	110
NMeFOSE	SPE	River Water	400 ng/L	6.25x	150	231	418	115
NMeFOSE	SPE	River Water	400 ng/L	10x	140	370	572	115
NMeFOSE	SPE	Groundwater	0 ng/L	1x	<4	32.9	33.3	101
NMeFOSE	SPE	Groundwater	400 ng/L	1x	370	37	389	--
NMeFOSE	SPE	Groundwater	400 ng/L	2.5x	320	92.6	408	98
NMeFOSE	SPE	Groundwater	400 ng/L	6.25x	260	231	491	101
NMeFOSE	SPE	Groundwater	400 ng/L	10x	260	370	615	95
NMeFOSE	SDI	River Water	400 ng/L	1x	200	4630	4870	101
NMeFOSE	SDI	River Water	400 ng/L	2x	<350	9260	10400	112
NMeFOSE	SDI	River Water	400 ng/L	5x	<880	23100	26100	113
NMeFOSE	SDI	River Water	400 ng/L	10x	<1800	46300	50800	110
NMeFOSE	SDI	River Water	5000 ng/L	1x	2100	4630	7130	108
NMeFOSE	SDI	River Water	5000 ng/L	2x	2300	9260	12700	112
NMeFOSE	SDI	River Water	5000 ng/L	5x	2200	23100	26000	103
NMeFOSE	SDI	River Water	5000 ng/L	10x	2200	46300	57100	118
NMeFOSE	SDI	River Water	50000 ng/L	1x	26000	4630	31200	--
NMeFOSE	SDI	River Water	50000 ng/L	2x	25000	9260	35900	117
NMeFOSE	SDI	River Water	50000 ng/L	5x	21000	23100	45100	103
NMeFOSE	SDI	River Water	50000 ng/L	10x	25000	46300	71000	100
NMeFOSE	SDI	River Water	50000 ng/L	100x	22000	463000	535000	111
NMeFOSE	SDI	Groundwater	400 ng/L	1x	260	4630	5050	103
NMeFOSE	SDI	Groundwater	400 ng/L	5x	<880	23100	25800	112
NMeFOSE	SDI	Groundwater	5000 ng/L	1x	1800	4630	6740	107
NMeFOSE	SDI	Groundwater	5000 ng/L	5x	1900	23100	24800	99
NMeFOSE	SDI	Groundwater	50000 ng/L	1x	28000	4630	34800	--
NMeFOSE	SDI	Groundwater	50000 ng/L	5x	25000	23100	47100	95
NMeFOSE	SDI	Groundwater	50000 ng/L	100x	26000	463000	541000	111
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	River Water	0 ng/L	1x	<2	34	35.2	104
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	River Water	10 ng/L	1x	9.3	34.1	48	113
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	River Water	10 ng/L	2x	10	68.3	93.6	122
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	River Water	10 ng/L	5x	8.7	171	197	111
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	River Water	10 ng/L	10x	9.3	341	405	116
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	River Water	50 ng/L	1x	47	34.1	90.5	128
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	River Water	50 ng/L	2x	48	68.3	134	126
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	River Water	50 ng/L	5x	40	171	231	112
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	River Water	50 ng/L	10x	47	341	468	123
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	River Water	400 ng/L	1x	390	34.1	361	--
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	River Water	400 ng/L	2.5x	330	85.4	437	119
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	River Water	400 ng/L	2x	330	68.3	433	--
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	River Water	400 ng/L	5x	350	171	547	115
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	River Water	400 ng/L	6.25x	370	213	595	103
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	River Water	400 ng/L	10x	360	341	789	127
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	Groundwater	0 ng/L	1x	<2	30.4	33.1	109
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	Groundwater	400 ng/L	1x	350	34.1	404	--
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	Groundwater	400 ng/L	2.5x	380	85.4	475	--
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	Groundwater	400 ng/L	6.25x	360	213	614	118
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	Groundwater	400 ng/L	10x	330	341	713	112
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	River Water	400 ng/L	1x	340	4270	4890	107

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	River Water	400 ng/L	2x	320	8540	9610	109
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	River Water	400 ng/L	5x	330	21300	24600	114
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	River Water	400 ng/L	10x	<560	42700	50400	118
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	River Water	5000 ng/L	1x	4600	4270	9640	119
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	River Water	5000 ng/L	2x	4600	8540	13700	107
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	River Water	5000 ng/L	5x	4600	21300	29300	116
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	River Water	5000 ng/L	10x	4500	42700	57800	125
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	River Water	50000 ng/L	1x	42000	4270	42800	--
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	River Water	50000 ng/L	2x	40000	8540	50100	--
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	River Water	50000 ng/L	5x	38000	21300	61000	110
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	River Water	50000 ng/L	10x	39000	42700	80000	97
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	River Water	50000 ng/L	100x	36000	427000	512000	112
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	Groundwater	400 ng/L	1x	350	4270	5100	111
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	Groundwater	400 ng/L	5x	290	21300	24600	114
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	Groundwater	5000 ng/L	1x	4700	4270	9160	104
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	Groundwater	5000 ng/L	5x	4400	21300	27100	106
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	Groundwater	50000 ng/L	1x	38000	4270	37600	--
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	Groundwater	50000 ng/L	5x	39000	21300	65600	125
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	Groundwater	50000 ng/L	100x	39000	427000	548000	119
Perfluorobutane Sulfonic Acid	SPE	River Water	0 ng/L	1x	2.2	32.6	42.4	123
Perfluorobutane Sulfonic Acid	SPE	River Water	10 ng/L	1x	12	32.7	45.8	104
Perfluorobutane Sulfonic Acid	SPE	River Water	10 ng/L	2x	12	65.5	89	118
Perfluorobutane Sulfonic Acid	SPE	River Water	10 ng/L	5x	12	164	203	117
Perfluorobutane Sulfonic Acid	SPE	River Water	10 ng/L	10x	10	327	390	116
Perfluorobutane Sulfonic Acid	SPE	River Water	50 ng/L	1x	55	32.7	94.3	119
Perfluorobutane Sulfonic Acid	SPE	River Water	50 ng/L	2x	55	65.5	135	122
Perfluorobutane Sulfonic Acid	SPE	River Water	50 ng/L	5x	49	164	233	112
Perfluorobutane Sulfonic Acid	SPE	River Water	50 ng/L	10x	52	327	417	111
Perfluorobutane Sulfonic Acid	SPE	River Water	400 ng/L	1x	360	32.7	412	--
Perfluorobutane Sulfonic Acid	SPE	River Water	400 ng/L	2.5x	400	81.9	481	--
Perfluorobutane Sulfonic Acid	SPE	River Water	400 ng/L	2x	380	65.5	461	--
Perfluorobutane Sulfonic Acid	SPE	River Water	400 ng/L	5x	380	164	546	99
Perfluorobutane Sulfonic Acid	SPE	River Water	400 ng/L	6.25x	390	205	643	121
Perfluorobutane Sulfonic Acid	SPE	River Water	400 ng/L	10x	400	327	754	109
Perfluorobutane Sulfonic Acid	SPE	Groundwater	0 ng/L	1x	2.3	29.1	38.4	124
Perfluorobutane Sulfonic Acid	SPE	Groundwater	400 ng/L	1x	400	32.7	423	--
Perfluorobutane Sulfonic Acid	SPE	Groundwater	400 ng/L	2.5x	400	81.9	492	--
Perfluorobutane Sulfonic Acid	SPE	Groundwater	400 ng/L	6.25x	400	205	642	118
Perfluorobutane Sulfonic Acid	SPE	Groundwater	400 ng/L	10x	370	327	769	121
Perfluorobutane Sulfonic Acid	SDI	River Water	400 ng/L	1x	380	4090	4710	106
Perfluorobutane Sulfonic Acid	SDI	River Water	400 ng/L	2x	380	8190	9470	111
Perfluorobutane Sulfonic Acid	SDI	River Water	400 ng/L	5x	430	20500	25500	122
Perfluorobutane Sulfonic Acid	SDI	River Water	400 ng/L	10x	390	40900	48900	119
Perfluorobutane Sulfonic Acid	SDI	River Water	5000 ng/L	1x	4800	4090	9160	106
Perfluorobutane Sulfonic Acid	SDI	River Water	5000 ng/L	2x	4700	8190	13800	111
Perfluorobutane Sulfonic Acid	SDI	River Water	5000 ng/L	5x	5000	20500	27700	111
Perfluorobutane Sulfonic Acid	SDI	River Water	5000 ng/L	10x	4800	40900	55300	123
Perfluorobutane Sulfonic Acid	SDI	River Water	50000 ng/L	1x	42000	4090	45300	--
Perfluorobutane Sulfonic Acid	SDI	River Water	50000 ng/L	2x	40000	8190	46400	--
Perfluorobutane Sulfonic Acid	SDI	River Water	50000 ng/L	5x	42000	20500	58800	81
Perfluorobutane Sulfonic Acid	SDI	River Water	50000 ng/L	10x	40000	40900	81500	102
Perfluorobutane Sulfonic Acid	SDI	River Water	50000 ng/L	100x	40000	409000	472000	106
Perfluorobutane Sulfonic Acid	SDI	Groundwater	400 ng/L	1x	360	4090	4910	111



**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
Perfluorobutane Sulfonic Acid	SDI	Groundwater	400 ng/L	5x	380	20500	21000	101
Perfluorobutane Sulfonic Acid	SDI	Groundwater	5000 ng/L	1x	5100	4090	9450	107
Perfluorobutane Sulfonic Acid	SDI	Groundwater	5000 ng/L	5x	4700	20500	27800	113
Perfluorobutane Sulfonic Acid	SDI	Groundwater	50000 ng/L	1x	42000	4090	43500	--
Perfluorobutane Sulfonic Acid	SDI	Groundwater	50000 ng/L	5x	41000	20500	62900	107
Perfluorobutane Sulfonic Acid	SDI	Groundwater	50000 ng/L	100x	41000	409000	477000	107
Perfluorobutanoic Acid	SPE	River Water	0 ng/L	1x	<5	36.9	42.9	116
Perfluorobutanoic Acid	SPE	River Water	10 ng/L	1x	12	37	54.6	115
Perfluorobutanoic Acid	SPE	River Water	10 ng/L	2x	13	74.1	96.8	114
Perfluorobutanoic Acid	SPE	River Water	10 ng/L	5x	<12	185	221	119
Perfluorobutanoic Acid	SPE	River Water	10 ng/L	10x	<24	370	424	115
Perfluorobutanoic Acid	SPE	River Water	50 ng/L	1x	58	37	103	119
Perfluorobutanoic Acid	SPE	River Water	50 ng/L	2x	57	74.1	143	117
Perfluorobutanoic Acid	SPE	River Water	50 ng/L	5x	54	185	272	118
Perfluorobutanoic Acid	SPE	River Water	50 ng/L	10x	57	370	493	118
Perfluorobutanoic Acid	SPE	River Water	400 ng/L	1x	450	37	487	--
Perfluorobutanoic Acid	SPE	River Water	400 ng/L	2.5x	480	92.6	600	--
Perfluorobutanoic Acid	SPE	River Water	400 ng/L	2x	440	74.1	524	--
Perfluorobutanoic Acid	SPE	River Water	400 ng/L	5x	430	185	626	108
Perfluorobutanoic Acid	SPE	River Water	400 ng/L	6.25x	440	231	734	127
Perfluorobutanoic Acid	SPE	River Water	400 ng/L	10x	430	370	869	118
Perfluorobutanoic Acid	SPE	Groundwater	0 ng/L	1x	21	32.9	59.2	115
Perfluorobutanoic Acid	SPE	Groundwater	400 ng/L	1x	460	37	527	--
Perfluorobutanoic Acid	SPE	Groundwater	400 ng/L	2.5x	460	92.6	568	--
Perfluorobutanoic Acid	SPE	Groundwater	400 ng/L	6.25x	440	231	713	117
Perfluorobutanoic Acid	SPE	Groundwater	400 ng/L	10x	440	370	860	114
Perfluorobutanoic Acid	SDI	River Water	400 ng/L	1x	410	4630	6000	121
Perfluorobutanoic Acid	SDI	River Water	400 ng/L	2x	<600	9260	11000	119
Perfluorobutanoic Acid	SDI	River Water	400 ng/L	5x	<1500	23100	26700	115
Perfluorobutanoic Acid	SDI	River Water	400 ng/L	10x	<3000	46300	56100	121
Perfluorobutanoic Acid	SDI	River Water	5000 ng/L	1x	5600	4630	10700	111
Perfluorobutanoic Acid	SDI	River Water	5000 ng/L	2x	6000	9260	15000	97
Perfluorobutanoic Acid	SDI	River Water	5000 ng/L	5x	5600	23100	30000	105
Perfluorobutanoic Acid	SDI	River Water	5000 ng/L	10x	5200	46300	64200	127
Perfluorobutanoic Acid	SDI	River Water	50000 ng/L	1x	46000	4630	53800	--
Perfluorobutanoic Acid	SDI	River Water	50000 ng/L	2x	47000	9260	56000	--
Perfluorobutanoic Acid	SDI	River Water	50000 ng/L	5x	44000	23100	73300	128
Perfluorobutanoic Acid	SDI	River Water	50000 ng/L	10x	46000	46300	97100	110
Perfluorobutanoic Acid	SDI	River Water	50000 ng/L	100x	41000	463000	545000	109
Perfluorobutanoic Acid	SDI	Groundwater	400 ng/L	1x	420	4630	5790	116
Perfluorobutanoic Acid	SDI	Groundwater	400 ng/L	5x	<1500	23100	24800	107
Perfluorobutanoic Acid	SDI	Groundwater	5000 ng/L	1x	5600	4630	10500	106
Perfluorobutanoic Acid	SDI	Groundwater	5000 ng/L	5x	5300	23100	31200	112
Perfluorobutanoic Acid	SDI	Groundwater	50000 ng/L	1x	46000	4630	52500	--
Perfluorobutanoic Acid	SDI	Groundwater	50000 ng/L	5x	47000	23100	70300	101
Perfluorobutanoic Acid	SDI	Groundwater	50000 ng/L	100x	45000	463000	546000	108
Perfluorodecane Sulfonic Acid	SPE	River Water	0 ng/L	1x	<2	35.5	33.9	95
Perfluorodecane Sulfonic Acid	SPE	River Water	10 ng/L	1x	9.7	35.7	39.6	84
Perfluorodecane Sulfonic Acid	SPE	River Water	10 ng/L	2x	7.7	71.4	83.4	106
Perfluorodecane Sulfonic Acid	SPE	River Water	10 ng/L	5x	6.9	179	205	111
Perfluorodecane Sulfonic Acid	SPE	River Water	10 ng/L	10x	6.1	357	388	107
Perfluorodecane Sulfonic Acid	SPE	River Water	50 ng/L	1x	50	35.7	81.5	88
Perfluorodecane Sulfonic Acid	SPE	River Water	50 ng/L	2x	38	71.4	117	111

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
Perfluorodecane Sulfonic Acid	SPE	River Water	50 ng/L	5x	40	179	220	100
Perfluorodecane Sulfonic Acid	SPE	River Water	50 ng/L	10x	41	357	417	105
Perfluorodecane Sulfonic Acid	SPE	River Water	400 ng/L	1x	370	35.7	256	--
Perfluorodecane Sulfonic Acid	SPE	River Water	400 ng/L	2.5x	270	89.3	348	87
Perfluorodecane Sulfonic Acid	SPE	River Water	400 ng/L	2x	270	71.4	394	171
Perfluorodecane Sulfonic Acid	SPE	River Water	400 ng/L	5x	250	179	433	105
Perfluorodecane Sulfonic Acid	SPE	River Water	400 ng/L	6.25x	290	223	561	120
Perfluorodecane Sulfonic Acid	SPE	River Water	400 ng/L	10x	240	357	677	121
Perfluorodecane Sulfonic Acid	SPE	Groundwater	0 ng/L	1x	<2	31.7	31.8	100
Perfluorodecane Sulfonic Acid	SPE	Groundwater	400 ng/L	1x	470	35.7	464	--
Perfluorodecane Sulfonic Acid	SPE	Groundwater	400 ng/L	2.5x	360	89.3	417	--
Perfluorodecane Sulfonic Acid	SPE	Groundwater	400 ng/L	6.25x	280	223	517	105
Perfluorodecane Sulfonic Acid	SPE	Groundwater	400 ng/L	10x	330	357	663	94
Perfluorodecane Sulfonic Acid	SDI	River Water	400 ng/L	1x	170	4460	5320	115
Perfluorodecane Sulfonic Acid	SDI	River Water	400 ng/L	2x	160	8930	10700	118
Perfluorodecane Sulfonic Acid	SDI	River Water	400 ng/L	5x	<200	22300	27000	121
Perfluorodecane Sulfonic Acid	SDI	River Water	400 ng/L	10x	<400	44600	50100	112
Perfluorodecane Sulfonic Acid	SDI	River Water	5000 ng/L	1x	2500	4460	6730	96
Perfluorodecane Sulfonic Acid	SDI	River Water	5000 ng/L	2x	2300	8930	10700	95
Perfluorodecane Sulfonic Acid	SDI	River Water	5000 ng/L	5x	2500	22300	25100	101
Perfluorodecane Sulfonic Acid	SDI	River Water	5000 ng/L	10x	2400	44600	52800	113
Perfluorodecane Sulfonic Acid	SDI	River Water	50000 ng/L	1x	36000	4460	39400	--
Perfluorodecane Sulfonic Acid	SDI	River Water	50000 ng/L	2x	38000	8930	42200	--
Perfluorodecane Sulfonic Acid	SDI	River Water	50000 ng/L	5x	31000	22300	56300	115
Perfluorodecane Sulfonic Acid	SDI	River Water	50000 ng/L	10x	30000	44600	79900	112
Perfluorodecane Sulfonic Acid	SDI	River Water	50000 ng/L	100x	28000	446000	493000	104
Perfluorodecane Sulfonic Acid	SDI	Groundwater	400 ng/L	1x	320	4460	4950	104
Perfluorodecane Sulfonic Acid	SDI	Groundwater	400 ng/L	5x	310	22300	23800	105
Perfluorodecane Sulfonic Acid	SDI	Groundwater	5000 ng/L	1x	1800	4460	7140	119
Perfluorodecane Sulfonic Acid	SDI	Groundwater	5000 ng/L	5x	1800	22300	27600	116
Perfluorodecane Sulfonic Acid	SDI	Groundwater	50000 ng/L	1x	33000	4460	33900	--
Perfluorodecane Sulfonic Acid	SDI	Groundwater	50000 ng/L	5x	27000	22300	49700	101
Perfluorodecane Sulfonic Acid	SDI	Groundwater	50000 ng/L	100x	34000	446000	499000	104
Perfluorodecanoic Acid	SPE	River Water	0 ng/L	1x	<2	36.9	49.9	134
Perfluorodecanoic Acid	SPE	River Water	10 ng/L	1x	14	37	54.7	110
Perfluorodecanoic Acid	SPE	River Water	10 ng/L	2x	13	74.1	97.9	115
Perfluorodecanoic Acid	SPE	River Water	10 ng/L	5x	12	185	239	123
Perfluorodecanoic Acid	SPE	River Water	10 ng/L	10x	12	370	433	114
Perfluorodecanoic Acid	SPE	River Water	50 ng/L	1x	65	37	99.6	92
Perfluorodecanoic Acid	SPE	River Water	50 ng/L	2x	56	74.1	146	122
Perfluorodecanoic Acid	SPE	River Water	50 ng/L	5x	57	185	287	124
Perfluorodecanoic Acid	SPE	River Water	50 ng/L	10x	53	370	472	113
Perfluorodecanoic Acid	SPE	River Water	400 ng/L	1x	530	37	351	--
Perfluorodecanoic Acid	SPE	River Water	400 ng/L	2.5x	360	92.6	487	143
Perfluorodecanoic Acid	SPE	River Water	400 ng/L	2x	390	74.1	543	--
Perfluorodecanoic Acid	SPE	River Water	400 ng/L	5x	400	185	602	107
Perfluorodecanoic Acid	SPE	River Water	400 ng/L	6.25x	440	231	676	101
Perfluorodecanoic Acid	SPE	River Water	400 ng/L	10x	380	370	906	143
Perfluorodecanoic Acid	SPE	Groundwater	0 ng/L	1x	2.8	32.9	43.2	123
Perfluorodecanoic Acid	SPE	Groundwater	400 ng/L	1x	460	37	466	--
Perfluorodecanoic Acid	SPE	Groundwater	400 ng/L	2.5x	430	92.6	475	--
Perfluorodecanoic Acid	SPE	Groundwater	400 ng/L	6.25x	380	231	659	121
Perfluorodecanoic Acid	SPE	Groundwater	400 ng/L	10x	390	370	730	91

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
Perfluorodecanoic Acid	SDI	River Water	400 ng/L	1x	290	4630	5980	123
Perfluorodecanoic Acid	SDI	River Water	400 ng/L	2x	300	9260	11400	119
Perfluorodecanoic Acid	SDI	River Water	400 ng/L	5x	340	23100	25500	109
Perfluorodecanoic Acid	SDI	River Water	400 ng/L	10x	430	46300	52500	112
Perfluorodecanoic Acid	SDI	River Water	5000 ng/L	1x	4000	4630	9860	127
Perfluorodecanoic Acid	SDI	River Water	5000 ng/L	2x	4100	9260	15300	121
Perfluorodecanoic Acid	SDI	River Water	5000 ng/L	5x	4500	23100	30500	112
Perfluorodecanoic Acid	SDI	River Water	5000 ng/L	10x	4300	46300	58500	117
Perfluorodecanoic Acid	SDI	River Water	50000 ng/L	1x	46000	4630	50100	--
Perfluorodecanoic Acid	SDI	River Water	50000 ng/L	2x	43000	9260	58300	--
Perfluorodecanoic Acid	SDI	River Water	50000 ng/L	5x	48000	23100	74500	115
Perfluorodecanoic Acid	SDI	River Water	50000 ng/L	10x	45000	46300	91700	101
Perfluorodecanoic Acid	SDI	River Water	50000 ng/L	100x	46000	463000	613000	122
Perfluorodecanoic Acid	SDI	Groundwater	400 ng/L	1x	400	4630	5760	116
Perfluorodecanoic Acid	SDI	Groundwater	400 ng/L	5x	410	23100	26300	112
Perfluorodecanoic Acid	SDI	Groundwater	5000 ng/L	1x	3100	4630	8940	125
Perfluorodecanoic Acid	SDI	Groundwater	5000 ng/L	5x	2900	23100	27300	105
Perfluorodecanoic Acid	SDI	Groundwater	50000 ng/L	1x	40000	4630	47700	--
Perfluorodecanoic Acid	SDI	Groundwater	50000 ng/L	5x	43000	23100	72800	130
Perfluorodecanoic Acid	SDI	Groundwater	50000 ng/L	100x	52000	463000	559000	109
Perfluorododecane sulfonic acid (PFDoS)	SPE	River Water	0 ng/L	1x	<2	35.7	27.2	76
Perfluorododecane sulfonic acid (PFDoS)	SPE	River Water	10 ng/L	1x	6.7	35.9	32.3	71
Perfluorododecane sulfonic acid (PFDoS)	SPE	River Water	10 ng/L	2x	5.9	71.7	74	95
Perfluorododecane sulfonic acid (PFDoS)	SPE	River Water	10 ng/L	5x	5.2	179	183	99
Perfluorododecane sulfonic acid (PFDoS)	SPE	River Water	10 ng/L	10x	<9.7	359	382	106
Perfluorododecane sulfonic acid (PFDoS)	SPE	River Water	50 ng/L	1x	32	35.9	57.8	73
Perfluorododecane sulfonic acid (PFDoS)	SPE	River Water	50 ng/L	2x	28	71.7	97	96
Perfluorododecane sulfonic acid (PFDoS)	SPE	River Water	50 ng/L	5x	33	179	218	103
Perfluorododecane sulfonic acid (PFDoS)	SPE	River Water	50 ng/L	10x	38	359	412	104
Perfluorododecane sulfonic acid (PFDoS)	SPE	River Water	400 ng/L	1x	190	35.9	191	--
Perfluorododecane sulfonic acid (PFDoS)	SPE	River Water	400 ng/L	2.5x	200	89.6	299	108
Perfluorododecane sulfonic acid (PFDoS)	SPE	River Water	400 ng/L	2x	190	71.7	294	150
Perfluorododecane sulfonic acid (PFDoS)	SPE	River Water	400 ng/L	5x	200	179	382	101
Perfluorododecane sulfonic acid (PFDoS)	SPE	River Water	400 ng/L	6.25x	220	224	442	98
Perfluorododecane sulfonic acid (PFDoS)	SPE	River Water	400 ng/L	10x	210	359	632	116
Perfluorododecane sulfonic acid (PFDoS)	SPE	Groundwater	0 ng/L	1x	<2	31.9	27.7	87
Perfluorododecane sulfonic acid (PFDoS)	SPE	Groundwater	400 ng/L	1x	430	35.9	438	--
Perfluorododecane sulfonic acid (PFDoS)	SPE	Groundwater	400 ng/L	2.5x	340	89.6	387	58
Perfluorododecane sulfonic acid (PFDoS)	SPE	Groundwater	400 ng/L	6.25x	250	224	503	114
Perfluorododecane sulfonic acid (PFDoS)	SPE	Groundwater	400 ng/L	10x	280	359	666	109
Perfluorododecane sulfonic acid (PFDoS)	SDI	River Water	400 ng/L	1x	260	4480	5180	110
Perfluorododecane sulfonic acid (PFDoS)	SDI	River Water	400 ng/L	2x	<240	8960	9400	105
Perfluorododecane sulfonic acid (PFDoS)	SDI	River Water	400 ng/L	5x	<610	22400	27800	124
Perfluorododecane sulfonic acid (PFDoS)	SDI	River Water	400 ng/L	10x	<1200	44800	47900	107
Perfluorododecane sulfonic acid (PFDoS)	SDI	River Water	5000 ng/L	1x	2600	4480	7080	101
Perfluorododecane sulfonic acid (PFDoS)	SDI	River Water	5000 ng/L	2x	2300	8960	11400	102
Perfluorododecane sulfonic acid (PFDoS)	SDI	River Water	5000 ng/L	5x	2600	22400	26200	105
Perfluorododecane sulfonic acid (PFDoS)	SDI	River Water	5000 ng/L	10x	2400	44800	55900	120
Perfluorododecane sulfonic acid (PFDoS)	SDI	River Water	50000 ng/L	1x	25000	4480	29600	--
Perfluorododecane sulfonic acid (PFDoS)	SDI	River Water	50000 ng/L	2x	26000	8960	33700	85
Perfluorododecane sulfonic acid (PFDoS)	SDI	River Water	50000 ng/L	5x	22000	22400	44800	101
Perfluorododecane sulfonic acid (PFDoS)	SDI	River Water	50000 ng/L	10x	22000	44800	70300	108
Perfluorododecane sulfonic acid (PFDoS)	SDI	River Water	50000 ng/L	100x	21000	448000	514000	110

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
Perfluorododecane sulfonic acid (PFDoS)	SDI	Groundwater	400 ng/L	1x	310	4480	4720	98
Perfluorododecane sulfonic acid (PFDoS)	SDI	Groundwater	400 ng/L	5x	<610	22400	24400	109
Perfluorododecane sulfonic acid (PFDoS)	SDI	Groundwater	5000 ng/L	1x	2500	4480	7530	111
Perfluorododecane sulfonic acid (PFDoS)	SDI	Groundwater	5000 ng/L	5x	2600	22400	27900	113
Perfluorododecane sulfonic acid (PFDoS)	SDI	Groundwater	50000 ng/L	1x	29000	4480	33600	--
Perfluorododecane sulfonic acid (PFDoS)	SDI	Groundwater	50000 ng/L	5x	26000	22400	50000	108
Perfluorododecane sulfonic acid (PFDoS)	SDI	Groundwater	50000 ng/L	100x	29000	448000	487000	102
Perfluorododecanoic Acid	SPE	River Water	0 ng/L	1x	<2	36.9	43.2	117
Perfluorododecanoic Acid	SPE	River Water	10 ng/L	1x	11	37	54.1	116
Perfluorododecanoic Acid	SPE	River Water	10 ng/L	2x	9.9	74.1	89.9	108
Perfluorododecanoic Acid	SPE	River Water	10 ng/L	5x	8.5	185	230	119
Perfluorododecanoic Acid	SPE	River Water	10 ng/L	10x	8.9	370	466	124
Perfluorododecanoic Acid	SPE	River Water	50 ng/L	1x	59	37	92.6	92
Perfluorododecanoic Acid	SPE	River Water	50 ng/L	2x	47	74.1	130	112
Perfluorododecanoic Acid	SPE	River Water	50 ng/L	5x	41	185	263	120
Perfluorododecanoic Acid	SPE	River Water	50 ng/L	10x	44	370	466	114
Perfluorododecanoic Acid	SPE	River Water	400 ng/L	1x	370	37	282	--
Perfluorododecanoic Acid	SPE	River Water	400 ng/L	2.5x	310	92.6	385	85
Perfluorododecanoic Acid	SPE	River Water	400 ng/L	2x	310	74.1	396	--
Perfluorododecanoic Acid	SPE	River Water	400 ng/L	5x	270	185	480	114
Perfluorododecanoic Acid	SPE	River Water	400 ng/L	6.25x	310	231	547	103
Perfluorododecanoic Acid	SPE	River Water	400 ng/L	10x	270	370	706	118
Perfluorododecanoic Acid	SPE	Groundwater	0 ng/L	1x	<2	32.9	37.4	114
Perfluorododecanoic Acid	SPE	Groundwater	400 ng/L	1x	410	37	431	--
Perfluorododecanoic Acid	SPE	Groundwater	400 ng/L	2.5x	360	92.6	423	68
Perfluorododecanoic Acid	SPE	Groundwater	400 ng/L	6.25x	310	231	537	96
Perfluorododecanoic Acid	SPE	Groundwater	400 ng/L	10x	340	370	727	104
Perfluorododecanoic Acid	SDI	River Water	400 ng/L	1x	180	4630	5760	120
Perfluorododecanoic Acid	SDI	River Water	400 ng/L	2x	190	9260	11400	121
Perfluorododecanoic Acid	SDI	River Water	400 ng/L	5x	<340	23100	24900	108
Perfluorododecanoic Acid	SDI	River Water	400 ng/L	10x	<690	46300	59500	128
Perfluorododecanoic Acid	SDI	River Water	5000 ng/L	1x	2700	4630	8340	122
Perfluorododecanoic Acid	SDI	River Water	5000 ng/L	2x	2500	9260	11400	96
Perfluorododecanoic Acid	SDI	River Water	5000 ng/L	5x	2500	23100	27300	107
Perfluorododecanoic Acid	SDI	River Water	5000 ng/L	10x	2600	46300	61900	128
Perfluorododecanoic Acid	SDI	River Water	50000 ng/L	1x	28000	4630	29800	--
Perfluorododecanoic Acid	SDI	River Water	50000 ng/L	2x	26000	9260	37900	129
Perfluorododecanoic Acid	SDI	River Water	50000 ng/L	5x	23000	23100	52600	126
Perfluorododecanoic Acid	SDI	River Water	50000 ng/L	10x	25000	46300	80900	121
Perfluorododecanoic Acid	SDI	River Water	50000 ng/L	100x	23000	463000	538000	111
Perfluorododecanoic Acid	SDI	Groundwater	400 ng/L	1x	320	4630	5250	106
Perfluorododecanoic Acid	SDI	Groundwater	400 ng/L	5x	<340	23100	28900	125
Perfluorododecanoic Acid	SDI	Groundwater	5000 ng/L	1x	1800	4630	7000	113
Perfluorododecanoic Acid	SDI	Groundwater	5000 ng/L	5x	1900	23100	26200	105
Perfluorododecanoic Acid	SDI	Groundwater	50000 ng/L	1x	26000	4630	29000	--
Perfluorododecanoic Acid	SDI	Groundwater	50000 ng/L	5x	26000	23100	51100	107
Perfluorododecanoic Acid	SDI	Groundwater	50000 ng/L	100x	28000	463000	524000	107
Perfluoroheptane sulfonic acid (PFHpS)	SPE	River Water	0 ng/L	1x	<2	35.1	42.7	122
Perfluoroheptane sulfonic acid (PFHpS)	SPE	River Water	10 ng/L	1x	13	35.3	49.9	106
Perfluoroheptane sulfonic acid (PFHpS)	SPE	River Water	10 ng/L	2x	12	70.5	97.6	122
Perfluoroheptane sulfonic acid (PFHpS)	SPE	River Water	10 ng/L	5x	9.6	176	227	123
Perfluoroheptane sulfonic acid (PFHpS)	SPE	River Water	10 ng/L	10x	9.9	353	454	126
Perfluoroheptane sulfonic acid (PFHpS)	SPE	River Water	50 ng/L	1x	64	35.3	100	101

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
Perfluoroheptane sulfonic acid (PFHpS)	SPE	River Water	50 ng/L	2x	54	70.5	140	121
Perfluoroheptane sulfonic acid (PFHpS)	SPE	River Water	50 ng/L	5x	54	176	258	116
Perfluoroheptane sulfonic acid (PFHpS)	SPE	River Water	50 ng/L	10x	50	353	483	123
Perfluoroheptane sulfonic acid (PFHpS)	SPE	River Water	400 ng/L	1x	540	35.3	435	--
Perfluoroheptane sulfonic acid (PFHpS)	SPE	River Water	400 ng/L	2.5x	430	88.1	547	--
Perfluoroheptane sulfonic acid (PFHpS)	SPE	River Water	400 ng/L	2x	410	70.5	530	--
Perfluoroheptane sulfonic acid (PFHpS)	SPE	River Water	400 ng/L	5x	410	176	603	108
Perfluoroheptane sulfonic acid (PFHpS)	SPE	River Water	400 ng/L	6.25x	460	220	646	83
Perfluoroheptane sulfonic acid (PFHpS)	SPE	River Water	400 ng/L	10x	430	353	839	117
Perfluoroheptane sulfonic acid (PFHpS)	SPE	Groundwater	0 ng/L	1x	<2	31.3	38.1	122
Perfluoroheptane sulfonic acid (PFHpS)	SPE	Groundwater	400 ng/L	1x	480	35.3	485	--
Perfluoroheptane sulfonic acid (PFHpS)	SPE	Groundwater	400 ng/L	2.5x	420	88.1	494	--
Perfluoroheptane sulfonic acid (PFHpS)	SPE	Groundwater	400 ng/L	6.25x	400	220	685	128
Perfluoroheptane sulfonic acid (PFHpS)	SPE	Groundwater	400 ng/L	10x	390	353	799	116
Perfluoroheptane sulfonic acid (PFHpS)	SDI	River Water	400 ng/L	1x	450	4410	5550	116
Perfluoroheptane sulfonic acid (PFHpS)	SDI	River Water	400 ng/L	2x	340	8810	10100	110
Perfluoroheptane sulfonic acid (PFHpS)	SDI	River Water	400 ng/L	5x	330	22000	28300	127
Perfluoroheptane sulfonic acid (PFHpS)	SDI	River Water	400 ng/L	10x	300	44100	52100	117
Perfluoroheptane sulfonic acid (PFHpS)	SDI	River Water	5000 ng/L	1x	5100	4410	9840	109
Perfluoroheptane sulfonic acid (PFHpS)	SDI	River Water	5000 ng/L	2x	5100	8810	14400	105
Perfluoroheptane sulfonic acid (PFHpS)	SDI	River Water	5000 ng/L	5x	5400	22000	27800	102
Perfluoroheptane sulfonic acid (PFHpS)	SDI	River Water	5000 ng/L	10x	5100	44100	59300	123
Perfluoroheptane sulfonic acid (PFHpS)	SDI	River Water	50000 ng/L	1x	44000	4410	52400	--
Perfluoroheptane sulfonic acid (PFHpS)	SDI	River Water	50000 ng/L	2x	48000	8810	53900	--
Perfluoroheptane sulfonic acid (PFHpS)	SDI	River Water	50000 ng/L	5x	44000	22000	65900	101
Perfluoroheptane sulfonic acid (PFHpS)	SDI	River Water	50000 ng/L	10x	45000	44100	90300	102
Perfluoroheptane sulfonic acid (PFHpS)	SDI	River Water	50000 ng/L	100x	46000	441000	565000	118
Perfluoroheptane sulfonic acid (PFHpS)	SDI	Groundwater	400 ng/L	1x	400	4410	5380	113
Perfluoroheptane sulfonic acid (PFHpS)	SDI	Groundwater	400 ng/L	5x	380	22000	26100	117
Perfluoroheptane sulfonic acid (PFHpS)	SDI	Groundwater	5000 ng/L	1x	4900	4410	10200	119
Perfluoroheptane sulfonic acid (PFHpS)	SDI	Groundwater	5000 ng/L	5x	4300	22000	31000	121
Perfluoroheptane sulfonic acid (PFHpS)	SDI	Groundwater	50000 ng/L	1x	48000	4410	51300	--
Perfluoroheptane sulfonic acid (PFHpS)	SDI	Groundwater	50000 ng/L	5x	46000	22000	67600	98
Perfluoroheptane sulfonic acid (PFHpS)	SDI	Groundwater	50000 ng/L	100x	47000	441000	520000	107
Perfluoroheptanoic Acid	SPE	River Water	0 ng/L	1x	2.1	36.9	46.2	120
Perfluoroheptanoic Acid	SPE	River Water	10 ng/L	1x	13	37	54.2	112
Perfluoroheptanoic Acid	SPE	River Water	10 ng/L	2x	14	74.1	94.8	109
Perfluoroheptanoic Acid	SPE	River Water	10 ng/L	5x	12	185	219	112
Perfluoroheptanoic Acid	SPE	River Water	10 ng/L	10x	12	370	435	114
Perfluoroheptanoic Acid	SPE	River Water	50 ng/L	1x	57	37	104	126
Perfluoroheptanoic Acid	SPE	River Water	50 ng/L	2x	56	74.1	140	113
Perfluoroheptanoic Acid	SPE	River Water	50 ng/L	5x	58	185	284	122
Perfluoroheptanoic Acid	SPE	River Water	50 ng/L	10x	57	370	489	117
Perfluoroheptanoic Acid	SPE	River Water	400 ng/L	1x	420	37	455	--
Perfluoroheptanoic Acid	SPE	River Water	400 ng/L	2.5x	440	92.6	520	--
Perfluoroheptanoic Acid	SPE	River Water	400 ng/L	2x	430	74.1	536	--
Perfluoroheptanoic Acid	SPE	River Water	400 ng/L	5x	420	185	635	115
Perfluoroheptanoic Acid	SPE	River Water	400 ng/L	6.25x	450	231	706	113
Perfluoroheptanoic Acid	SPE	River Water	400 ng/L	10x	420	370	832	111
Perfluoroheptanoic Acid	SPE	Groundwater	0 ng/L	1x	20	32.9	55	108
Perfluoroheptanoic Acid	SPE	Groundwater	400 ng/L	1x	440	37	495	--
Perfluoroheptanoic Acid	SPE	Groundwater	400 ng/L	2.5x	480	92.6	533	--
Perfluoroheptanoic Acid	SPE	Groundwater	400 ng/L	6.25x	430	231	699	117

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
Perfluoroheptanoic Acid	SPE	Groundwater	400 ng/L	10x	420	370	838	112
Perfluoroheptanoic Acid	SDI	River Water	400 ng/L	1x	470	4630	5630	111
Perfluoroheptanoic Acid	SDI	River Water	400 ng/L	2x	390	9260	11000	115
Perfluoroheptanoic Acid	SDI	River Water	400 ng/L	5x	450	23100	26900	114
Perfluoroheptanoic Acid	SDI	River Water	400 ng/L	10x	450	46300	50900	109
Perfluoroheptanoic Acid	SDI	River Water	5000 ng/L	1x	5700	4630	10200	98
Perfluoroheptanoic Acid	SDI	River Water	5000 ng/L	2x	5300	9260	13900	93
Perfluoroheptanoic Acid	SDI	River Water	5000 ng/L	5x	5400	23100	31200	111
Perfluoroheptanoic Acid	SDI	River Water	5000 ng/L	10x	5100	46300	64300	128
Perfluoroheptanoic Acid	SDI	River Water	50000 ng/L	1x	44000	4630	48100	--
Perfluoroheptanoic Acid	SDI	River Water	50000 ng/L	2x	46000	9260	57000	--
Perfluoroheptanoic Acid	SDI	River Water	50000 ng/L	5x	42000	23100	72300	129
Perfluoroheptanoic Acid	SDI	River Water	50000 ng/L	10x	45000	46300	89400	97
Perfluoroheptanoic Acid	SDI	River Water	50000 ng/L	100x	43000	463000	519000	103
Perfluoroheptanoic Acid	SDI	Groundwater	400 ng/L	1x	420	4630	5670	113
Perfluoroheptanoic Acid	SDI	Groundwater	400 ng/L	5x	410	23100	23300	99
Perfluoroheptanoic Acid	SDI	Groundwater	5000 ng/L	1x	5300	4630	10900	119
Perfluoroheptanoic Acid	SDI	Groundwater	5000 ng/L	5x	5600	23100	32000	114
Perfluoroheptanoic Acid	SDI	Groundwater	50000 ng/L	1x	46000	4630	53000	--
Perfluoroheptanoic Acid	SDI	Groundwater	50000 ng/L	5x	47000	23100	68600	94
Perfluoroheptanoic Acid	SDI	Groundwater	50000 ng/L	100x	46000	463000	558000	111
Perfluorohexadecanoic acid (PFHxDA)	SPE	River Water	0 ng/L	1x	<2	36.9	40.9	111
Perfluorohexadecanoic acid (PFHxDA)	SPE	River Water	10 ng/L	1x	9.8	37	50.6	110
Perfluorohexadecanoic acid (PFHxDA)	SPE	River Water	10 ng/L	2x	9.8	74.1	96.8	117
Perfluorohexadecanoic acid (PFHxDA)	SPE	River Water	10 ng/L	5x	8.9	185	222	115
Perfluorohexadecanoic acid (PFHxDA)	SPE	River Water	10 ng/L	10x	<8.9	370	436	118
Perfluorohexadecanoic acid (PFHxDA)	SPE	River Water	50 ng/L	1x	54	37	100	124
Perfluorohexadecanoic acid (PFHxDA)	SPE	River Water	50 ng/L	2x	49	74.1	136	117
Perfluorohexadecanoic acid (PFHxDA)	SPE	River Water	50 ng/L	5x	46	185	270	121
Perfluorohexadecanoic acid (PFHxDA)	SPE	River Water	50 ng/L	10x	50	370	483	117
Perfluorohexadecanoic acid (PFHxDA)	SPE	River Water	400 ng/L	1x	340	37	343	--
Perfluorohexadecanoic acid (PFHxDA)	SPE	River Water	400 ng/L	2.5x	300	92.6	382	85
Perfluorohexadecanoic acid (PFHxDA)	SPE	River Water	400 ng/L	2x	300	74.1	356	--
Perfluorohexadecanoic acid (PFHxDA)	SPE	River Water	400 ng/L	5x	290	185	482	106
Perfluorohexadecanoic acid (PFHxDA)	SPE	River Water	400 ng/L	6.25x	290	231	539	108
Perfluorohexadecanoic acid (PFHxDA)	SPE	River Water	400 ng/L	10x	300	370	727	115
Perfluorohexadecanoic acid (PFHxDA)	SPE	Groundwater	0 ng/L	1x	<2	32.9	35.1	106
Perfluorohexadecanoic acid (PFHxDA)	SPE	Groundwater	400 ng/L	1x	380	37	403	--
Perfluorohexadecanoic acid (PFHxDA)	SPE	Groundwater	400 ng/L	2.5x	420	92.6	495	--
Perfluorohexadecanoic acid (PFHxDA)	SPE	Groundwater	400 ng/L	6.25x	380	231	616	102
Perfluorohexadecanoic acid (PFHxDA)	SPE	Groundwater	400 ng/L	10x	390	370	767	101
Perfluorohexadecanoic acid (PFHxDA)	SDI	River Water	400 ng/L	1x	360	4630	5390	109
Perfluorohexadecanoic acid (PFHxDA)	SDI	River Water	400 ng/L	2x	370	9260	10900	113
Perfluorohexadecanoic acid (PFHxDA)	SDI	River Water	400 ng/L	5x	<560	23100	27600	119
Perfluorohexadecanoic acid (PFHxDA)	SDI	River Water	400 ng/L	10x	<1100	46300	52100	113
Perfluorohexadecanoic acid (PFHxDA)	SDI	River Water	5000 ng/L	1x	5300	4630	10100	104
Perfluorohexadecanoic acid (PFHxDA)	SDI	River Water	5000 ng/L	2x	5100	9260	15100	108
Perfluorohexadecanoic acid (PFHxDA)	SDI	River Water	5000 ng/L	5x	5100	23100	29700	106
Perfluorohexadecanoic acid (PFHxDA)	SDI	River Water	5000 ng/L	10x	4900	46300	61700	123
Perfluorohexadecanoic acid (PFHxDA)	SDI	River Water	50000 ng/L	1x	40000	4630	46300	--
Perfluorohexadecanoic acid (PFHxDA)	SDI	River Water	50000 ng/L	2x	42000	9260	52500	--
Perfluorohexadecanoic acid (PFHxDA)	SDI	River Water	50000 ng/L	5x	43000	23100	69900	116
Perfluorohexadecanoic acid (PFHxDA)	SDI	River Water	50000 ng/L	10x	43000	46300	90200	103

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
Perfluorohexadecanoic acid (PFHxDA)	SDI	River Water	50000 ng/L	100x	42000	463000	537000	107
Perfluorohexadecanoic acid (PFHxDA)	SDI	Groundwater	400 ng/L	1x	390	4630	5440	109
Perfluorohexadecanoic acid (PFHxDA)	SDI	Groundwater	400 ng/L	5x	<560	23100	26800	116
Perfluorohexadecanoic acid (PFHxDA)	SDI	Groundwater	5000 ng/L	1x	4000	4630	9250	114
Perfluorohexadecanoic acid (PFHxDA)	SDI	Groundwater	5000 ng/L	5x	4200	23100	30600	114
Perfluorohexadecanoic acid (PFHxDA)	SDI	Groundwater	50000 ng/L	1x	41000	4630	49500	--
Perfluorohexadecanoic acid (PFHxDA)	SDI	Groundwater	50000 ng/L	5x	45000	23100	71300	112
Perfluorohexadecanoic acid (PFHxDA)	SDI	Groundwater	50000 ng/L	100x	48000	463000	584000	116
Perfluorohexane Sulfonic Acid	SPE	River Water	0 ng/L	1x	3.1	33.6	40.8	112
Perfluorohexane Sulfonic Acid	SPE	River Water	10 ng/L	1x	13	33.7	50.7	113
Perfluorohexane Sulfonic Acid	SPE	River Water	10 ng/L	2x	13	67.4	88.8	112
Perfluorohexane Sulfonic Acid	SPE	River Water	10 ng/L	5x	13	169	209	116
Perfluorohexane Sulfonic Acid	SPE	River Water	10 ng/L	10x	13	337	391	112
Perfluorohexane Sulfonic Acid	SPE	River Water	50 ng/L	1x	56	33.7	92.2	108
Perfluorohexane Sulfonic Acid	SPE	River Water	50 ng/L	2x	56	67.4	136	119
Perfluorohexane Sulfonic Acid	SPE	River Water	50 ng/L	5x	53	169	251	118
Perfluorohexane Sulfonic Acid	SPE	River Water	50 ng/L	10x	58	337	454	117
Perfluorohexane Sulfonic Acid	SPE	River Water	400 ng/L	1x	400	33.7	425	--
Perfluorohexane Sulfonic Acid	SPE	River Water	400 ng/L	2.5x	410	84.3	499	--
Perfluorohexane Sulfonic Acid	SPE	River Water	400 ng/L	2x	410	67.4	453	--
Perfluorohexane Sulfonic Acid	SPE	River Water	400 ng/L	5x	370	169	563	112
Perfluorohexane Sulfonic Acid	SPE	River Water	400 ng/L	6.25x	420	211	630	98
Perfluorohexane Sulfonic Acid	SPE	River Water	400 ng/L	10x	400	337	791	118
Perfluorohexane Sulfonic Acid	SPE	Groundwater	0 ng/L	1x	4.8	30	37.9	111
Perfluorohexane Sulfonic Acid	SPE	Groundwater	400 ng/L	1x	400	33.7	413	--
Perfluorohexane Sulfonic Acid	SPE	Groundwater	400 ng/L	2.5x	420	84.3	507	--
Perfluorohexane Sulfonic Acid	SPE	Groundwater	400 ng/L	6.25x	380	211	619	114
Perfluorohexane Sulfonic Acid	SPE	Groundwater	400 ng/L	10x	400	337	741	100
Perfluorohexane Sulfonic Acid	SDI	River Water	400 ng/L	1x	430	4210	5060	110
Perfluorohexane Sulfonic Acid	SDI	River Water	400 ng/L	2x	410	8430	9680	110
Perfluorohexane Sulfonic Acid	SDI	River Water	400 ng/L	5x	520	21100	23700	110
Perfluorohexane Sulfonic Acid	SDI	River Water	400 ng/L	10x	<710	42100	45200	107
Perfluorohexane Sulfonic Acid	SDI	River Water	5000 ng/L	1x	5100	4210	10000	116
Perfluorohexane Sulfonic Acid	SDI	River Water	5000 ng/L	2x	5000	8430	14700	115
Perfluorohexane Sulfonic Acid	SDI	River Water	5000 ng/L	5x	5300	21100	27500	106
Perfluorohexane Sulfonic Acid	SDI	River Water	5000 ng/L	10x	4900	42100	50500	108
Perfluorohexane Sulfonic Acid	SDI	River Water	50000 ng/L	1x	47000	4210	47200	--
Perfluorohexane Sulfonic Acid	SDI	River Water	50000 ng/L	2x	41000	8430	49900	--
Perfluorohexane Sulfonic Acid	SDI	River Water	50000 ng/L	5x	44000	21100	61900	87
Perfluorohexane Sulfonic Acid	SDI	River Water	50000 ng/L	10x	42000	42100	89500	113
Perfluorohexane Sulfonic Acid	SDI	River Water	50000 ng/L	100x	41000	421000	495000	108
Perfluorohexane Sulfonic Acid	SDI	Groundwater	400 ng/L	1x	390	4210	5100	112
Perfluorohexane Sulfonic Acid	SDI	Groundwater	400 ng/L	5x	480	21100	23000	107
Perfluorohexane Sulfonic Acid	SDI	Groundwater	5000 ng/L	1x	5200	4210	9570	103
Perfluorohexane Sulfonic Acid	SDI	Groundwater	5000 ng/L	5x	4900	21100	27700	109
Perfluorohexane Sulfonic Acid	SDI	Groundwater	50000 ng/L	1x	41000	4210	46600	--
Perfluorohexane Sulfonic Acid	SDI	Groundwater	50000 ng/L	5x	45000	21100	61200	78
Perfluorohexane Sulfonic Acid	SDI	Groundwater	50000 ng/L	100x	43000	421000	501000	109
Perfluorohexanoic Acid	SPE	River Water	0 ng/L	1x	3.8	36.9	43.7	108
Perfluorohexanoic Acid	SPE	River Water	10 ng/L	1x	13	37	55.5	114
Perfluorohexanoic Acid	SPE	River Water	10 ng/L	2x	15	74.1	89.8	101
Perfluorohexanoic Acid	SPE	River Water	10 ng/L	5x	14	185	222	112
Perfluorohexanoic Acid	SPE	River Water	10 ng/L	10x	16	370	408	106

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
Perfluorohexanoic Acid	SPE	River Water	50 ng/L	1x	63	37	107	116
Perfluorohexanoic Acid	SPE	River Water	50 ng/L	2x	56	74.1	141	115
Perfluorohexanoic Acid	SPE	River Water	50 ng/L	5x	58	185	251	105
Perfluorohexanoic Acid	SPE	River Water	50 ng/L	10x	60	370	497	118
Perfluorohexanoic Acid	SPE	River Water	400 ng/L	1x	470	37	458	--
Perfluorohexanoic Acid	SPE	River Water	400 ng/L	2.5x	440	92.6	559	--
Perfluorohexanoic Acid	SPE	River Water	400 ng/L	2x	440	74.1	564	--
Perfluorohexanoic Acid	SPE	River Water	400 ng/L	5x	440	185	666	121
Perfluorohexanoic Acid	SPE	River Water	400 ng/L	6.25x	440	231	639	86
Perfluorohexanoic Acid	SPE	River Water	400 ng/L	10x	420	370	852	118
Perfluorohexanoic Acid	SPE	Groundwater	0 ng/L	1x	15	32.9	50.1	108
Perfluorohexanoic Acid	SPE	Groundwater	400 ng/L	1x	450	37	463	--
Perfluorohexanoic Acid	SPE	Groundwater	400 ng/L	2.5x	460	92.6	542	--
Perfluorohexanoic Acid	SPE	Groundwater	400 ng/L	6.25x	400	231	711	135
Perfluorohexanoic Acid	SPE	Groundwater	400 ng/L	10x	410	370	822	111
Perfluorohexanoic Acid	SDI	River Water	400 ng/L	1x	460	4630	5080	100
Perfluorohexanoic Acid	SDI	River Water	400 ng/L	2x	470	9260	10500	109
Perfluorohexanoic Acid	SDI	River Water	400 ng/L	5x	600	23100	25800	109
Perfluorohexanoic Acid	SDI	River Water	400 ng/L	10x	<730	46300	50100	108
Perfluorohexanoic Acid	SDI	River Water	5000 ng/L	1x	5500	4630	9940	95
Perfluorohexanoic Acid	SDI	River Water	5000 ng/L	2x	5200	9260	14800	104
Perfluorohexanoic Acid	SDI	River Water	5000 ng/L	5x	5500	23100	29200	102
Perfluorohexanoic Acid	SDI	River Water	5000 ng/L	10x	5300	46300	58800	116
Perfluorohexanoic Acid	SDI	River Water	50000 ng/L	1x	44000	4630	48200	--
Perfluorohexanoic Acid	SDI	River Water	50000 ng/L	2x	47000	9260	58100	--
Perfluorohexanoic Acid	SDI	River Water	50000 ng/L	5x	43000	23100	64900	96
Perfluorohexanoic Acid	SDI	River Water	50000 ng/L	10x	44000	46300	95600	112
Perfluorohexanoic Acid	SDI	River Water	50000 ng/L	100x	46000	463000	539000	106
Perfluorohexanoic Acid	SDI	Groundwater	400 ng/L	1x	460	4630	5230	103
Perfluorohexanoic Acid	SDI	Groundwater	400 ng/L	5x	510	23100	25500	108
Perfluorohexanoic Acid	SDI	Groundwater	5000 ng/L	1x	5400	4630	10500	110
Perfluorohexanoic Acid	SDI	Groundwater	5000 ng/L	5x	5800	23100	28400	98
Perfluorohexanoic Acid	SDI	Groundwater	50000 ng/L	1x	46000	4630	51300	--
Perfluorohexanoic Acid	SDI	Groundwater	50000 ng/L	5x	46000	23100	68900	99
Perfluorohexanoic Acid	SDI	Groundwater	50000 ng/L	100x	46000	463000	522000	103
Perfluorononane sulfonic acid	SPE	River Water	0 ng/L	1x	<2	35.4	35.6	101
Perfluorononane sulfonic acid	SPE	River Water	10 ng/L	1x	11	35.6	43.2	90
Perfluorononane sulfonic acid	SPE	River Water	10 ng/L	2x	9.5	71.1	88.3	111
Perfluorononane sulfonic acid	SPE	River Water	10 ng/L	5x	8	178	186	100
Perfluorononane sulfonic acid	SPE	River Water	10 ng/L	10x	7.6	356	382	105
Perfluorononane sulfonic acid	SPE	River Water	50 ng/L	1x	56	35.6	87.7	89
Perfluorononane sulfonic acid	SPE	River Water	50 ng/L	2x	45	71.1	112	94
Perfluorononane sulfonic acid	SPE	River Water	50 ng/L	5x	44	178	226	102
Perfluorononane sulfonic acid	SPE	River Water	50 ng/L	10x	42	356	451	115
Perfluorononane sulfonic acid	SPE	River Water	400 ng/L	1x	520	35.6	332	--
Perfluorononane sulfonic acid	SPE	River Water	400 ng/L	2.5x	360	88.9	449	--
Perfluorononane sulfonic acid	SPE	River Water	400 ng/L	2x	340	71.1	478	--
Perfluorononane sulfonic acid	SPE	River Water	400 ng/L	5x	310	178	510	110
Perfluorononane sulfonic acid	SPE	River Water	400 ng/L	6.25x	340	222	583	107
Perfluorononane sulfonic acid	SPE	River Water	400 ng/L	10x	310	356	749	122
Perfluorononane sulfonic acid	SPE	Groundwater	0 ng/L	1x	<2	31.6	29.9	95
Perfluorononane sulfonic acid	SPE	Groundwater	400 ng/L	1x	470	35.6	460	--
Perfluorononane sulfonic acid	SPE	Groundwater	400 ng/L	2.5x	390	88.9	442	--



**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
Perfluorononane sulfonic acid	SPE	Groundwater	400 ng/L	6.25x	310	222	562	113
Perfluorononane sulfonic acid	SPE	Groundwater	400 ng/L	10x	330	356	744	116
Perfluorononane sulfonic acid	SDI	River Water	400 ng/L	1x	200	4440	4950	107
Perfluorononane sulfonic acid	SDI	River Water	400 ng/L	2x	180	8890	9670	107
Perfluorononane sulfonic acid	SDI	River Water	400 ng/L	5x	230	22200	24100	109
Perfluorononane sulfonic acid	SDI	River Water	400 ng/L	10x	<460	44400	47100	106
Perfluorononane sulfonic acid	SDI	River Water	5000 ng/L	1x	3000	4440	7540	102
Perfluorononane sulfonic acid	SDI	River Water	5000 ng/L	2x	3200	8890	11500	93
Perfluorononane sulfonic acid	SDI	River Water	5000 ng/L	5x	3400	22200	24800	96
Perfluorononane sulfonic acid	SDI	River Water	5000 ng/L	10x	3200	44400	54600	116
Perfluorononane sulfonic acid	SDI	River Water	50000 ng/L	1x	40000	4440	45500	--
Perfluorononane sulfonic acid	SDI	River Water	50000 ng/L	2x	48000	8890	48300	--
Perfluorononane sulfonic acid	SDI	River Water	50000 ng/L	5x	40000	22200	63700	105
Perfluorononane sulfonic acid	SDI	River Water	50000 ng/L	10x	37000	44400	83100	104
Perfluorononane sulfonic acid	SDI	River Water	50000 ng/L	100x	39000	444000	525000	109
Perfluorononane sulfonic acid	SDI	Groundwater	400 ng/L	1x	350	4440	4640	97
Perfluorononane sulfonic acid	SDI	Groundwater	400 ng/L	5x	280	22200	23500	105
Perfluorononane sulfonic acid	SDI	Groundwater	5000 ng/L	1x	2500	4440	7180	106
Perfluorononane sulfonic acid	SDI	Groundwater	5000 ng/L	5x	2300	22200	27400	113
Perfluorononane sulfonic acid	SDI	Groundwater	50000 ng/L	1x	41000	4440	45700	--
Perfluorononane sulfonic acid	SDI	Groundwater	50000 ng/L	5x	37000	22200	61200	107
Perfluorononane sulfonic acid	SDI	Groundwater	50000 ng/L	100x	40000	444000	470000	97
Perfluorononanoic Acid	SPE	River Water	0 ng/L	1x	<2	36.9	41.3	110
Perfluorononanoic Acid	SPE	River Water	10 ng/L	1x	12	37	53.9	114
Perfluorononanoic Acid	SPE	River Water	10 ng/L	2x	11	74.1	96.9	115
Perfluorononanoic Acid	SPE	River Water	10 ng/L	5x	10	185	209	107
Perfluorononanoic Acid	SPE	River Water	10 ng/L	10x	10	370	454	120
Perfluorononanoic Acid	SPE	River Water	50 ng/L	1x	64	37	93	79
Perfluorononanoic Acid	SPE	River Water	50 ng/L	2x	51	74.1	137	116
Perfluorononanoic Acid	SPE	River Water	50 ng/L	5x	55	185	258	109
Perfluorononanoic Acid	SPE	River Water	50 ng/L	10x	51	370	483	117
Perfluorononanoic Acid	SPE	River Water	400 ng/L	1x	550	37	362	--
Perfluorononanoic Acid	SPE	River Water	400 ng/L	2.5x	440	92.6	502	--
Perfluorononanoic Acid	SPE	River Water	400 ng/L	2x	410	74.1	477	--
Perfluorononanoic Acid	SPE	River Water	400 ng/L	5x	420	185	594	95
Perfluorononanoic Acid	SPE	River Water	400 ng/L	6.25x	410	231	640	98
Perfluorononanoic Acid	SPE	River Water	400 ng/L	10x	400	370	855	122
Perfluorononanoic Acid	SPE	Groundwater	0 ng/L	1x	6.9	32.9	43.6	111
Perfluorononanoic Acid	SPE	Groundwater	400 ng/L	1x	450	37	453	--
Perfluorononanoic Acid	SPE	Groundwater	400 ng/L	2.5x	450	92.6	535	--
Perfluorononanoic Acid	SPE	Groundwater	400 ng/L	6.25x	370	231	590	95
Perfluorononanoic Acid	SPE	Groundwater	400 ng/L	10x	390	370	782	105
Perfluorononanoic Acid	SDI	River Water	400 ng/L	1x	370	4630	5920	120
Perfluorononanoic Acid	SDI	River Water	400 ng/L	2x	310	9260	10700	112
Perfluorononanoic Acid	SDI	River Water	400 ng/L	5x	320	23100	26700	114
Perfluorononanoic Acid	SDI	River Water	400 ng/L	10x	340	46300	53300	114
Perfluorononanoic Acid	SDI	River Water	5000 ng/L	1x	4700	4630	9530	105
Perfluorononanoic Acid	SDI	River Water	5000 ng/L	2x	4800	9260	14600	106
Perfluorononanoic Acid	SDI	River Water	5000 ng/L	5x	5300	23100	30800	110
Perfluorononanoic Acid	SDI	River Water	5000 ng/L	10x	5200	46300	62000	123
Perfluorononanoic Acid	SDI	River Water	50000 ng/L	1x	42000	4630	50500	--
Perfluorononanoic Acid	SDI	River Water	50000 ng/L	2x	44000	9260	53600	--
Perfluorononanoic Acid	SDI	River Water	50000 ng/L	5x	44000	23100	65900	94

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
Perfluorononanoic Acid	SDI	River Water	50000 ng/L	10x	42000	46300	92300	108
Perfluorononanoic Acid	SDI	River Water	50000 ng/L	100x	40000	463000	522000	104
Perfluorononanoic Acid	SDI	Groundwater	400 ng/L	1x	410	4630	5430	108
Perfluorononanoic Acid	SDI	Groundwater	400 ng/L	5x	410	23100	26700	114
Perfluorononanoic Acid	SDI	Groundwater	5000 ng/L	1x	4400	4630	10000	122
Perfluorononanoic Acid	SDI	Groundwater	5000 ng/L	5x	3700	23100	28700	108
Perfluorononanoic Acid	SDI	Groundwater	50000 ng/L	1x	47000	4630	48700	--
Perfluorononanoic Acid	SDI	Groundwater	50000 ng/L	5x	43000	23100	69200	115
Perfluorononanoic Acid	SDI	Groundwater	50000 ng/L	100x	47000	463000	502000	98
Perfluorooctadecanoic acid	SPE	River Water	0 ng/L	1x	<2	36.9	33.6	91
Perfluorooctadecanoic acid	SPE	River Water	10 ng/L	1x	8	37	38.2	81
Perfluorooctadecanoic acid	SPE	River Water	10 ng/L	2x	6.7	74.1	64.3	78
Perfluorooctadecanoic acid	SPE	River Water	10 ng/L	5x	7.4	185	162	84
Perfluorooctadecanoic acid	SPE	River Water	10 ng/L	10x	<9.4	370	354	96
Perfluorooctadecanoic acid	SPE	River Water	50 ng/L	1x	43	37	80.2	101
Perfluorooctadecanoic acid	SPE	River Water	50 ng/L	2x	39	74.1	90.6	70
Perfluorooctadecanoic acid	SPE	River Water	50 ng/L	5x	36	185	204	91
Perfluorooctadecanoic acid	SPE	River Water	50 ng/L	10x	43	370	320	75
Perfluorooctadecanoic acid	SPE	River Water	400 ng/L	1x	280	37	296	--
Perfluorooctadecanoic acid	SPE	River Water	400 ng/L	2.5x	250	92.6	318	77
Perfluorooctadecanoic acid	SPE	River Water	400 ng/L	2x	230	74.1	300	99
Perfluorooctadecanoic acid	SPE	River Water	400 ng/L	5x	240	185	411	90
Perfluorooctadecanoic acid	SPE	River Water	400 ng/L	6.25x	260	231	450	80
Perfluorooctadecanoic acid	SPE	River Water	400 ng/L	10x	260	370	659	108
Perfluorooctadecanoic acid	SPE	Groundwater	0 ng/L	1x	<2	32.9	31	94
Perfluorooctadecanoic acid	SPE	Groundwater	400 ng/L	1x	350	37	347	--
Perfluorooctadecanoic acid	SPE	Groundwater	400 ng/L	2.5x	360	92.6	437	79
Perfluorooctadecanoic acid	SPE	Groundwater	400 ng/L	6.25x	300	231	555	109
Perfluorooctadecanoic acid	SPE	Groundwater	400 ng/L	10x	310	370	642	90
Perfluorooctadecanoic acid	SDI	River Water	400 ng/L	1x	340	4630	5090	102
Perfluorooctadecanoic acid	SDI	River Water	400 ng/L	2x	320	9260	10300	108
Perfluorooctadecanoic acid	SDI	River Water	400 ng/L	5x	<590	23100	24500	106
Perfluorooctadecanoic acid	SDI	River Water	400 ng/L	10x	<1200	46300	48300	104
Perfluorooctadecanoic acid	SDI	River Water	5000 ng/L	1x	4700	4630	9370	100
Perfluorooctadecanoic acid	SDI	River Water	5000 ng/L	2x	4600	9260	13900	100
Perfluorooctadecanoic acid	SDI	River Water	5000 ng/L	5x	4500	23100	28900	105
Perfluorooctadecanoic acid	SDI	River Water	5000 ng/L	10x	4300	46300	55400	110
Perfluorooctadecanoic acid	SDI	River Water	50000 ng/L	1x	38000	4630	41200	--
Perfluorooctadecanoic acid	SDI	River Water	50000 ng/L	2x	43000	9260	47300	--
Perfluorooctadecanoic acid	SDI	River Water	50000 ng/L	5x	42000	23100	67100	107
Perfluorooctadecanoic acid	SDI	River Water	50000 ng/L	10x	42000	46300	86500	95
Perfluorooctadecanoic acid	SDI	River Water	50000 ng/L	100x	37000	463000	467000	93
Perfluorooctadecanoic acid	SDI	Groundwater	400 ng/L	1x	340	4630	4940	99
Perfluorooctadecanoic acid	SDI	Groundwater	400 ng/L	5x	<590	23100	23600	102
Perfluorooctadecanoic acid	SDI	Groundwater	5000 ng/L	1x	3300	4630	8030	102
Perfluorooctadecanoic acid	SDI	Groundwater	5000 ng/L	5x	3100	23100	26700	102
Perfluorooctadecanoic acid	SDI	Groundwater	50000 ng/L	1x	35000	4630	45000	--
Perfluorooctadecanoic acid	SDI	Groundwater	50000 ng/L	5x	40000	23100	61700	95
Perfluorooctadecanoic acid	SDI	Groundwater	50000 ng/L	100x	37000	463000	485000	97
Perfluorooctane Sulfonamide	SPE	River Water	0 ng/L	1x	<2	36.9	45	122
Perfluorooctane Sulfonamide	SPE	River Water	10 ng/L	1x	12	37	55.5	118
Perfluorooctane Sulfonamide	SPE	River Water	10 ng/L	2x	11	74.1	95.1	113
Perfluorooctane Sulfonamide	SPE	River Water	10 ng/L	5x	11	185	224	115

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
Perfluorooctane Sulfonamide	SPE	River Water	10 ng/L	10x	11	370	446	117
Perfluorooctane Sulfonamide	SPE	River Water	50 ng/L	1x	64	37	104	109
Perfluorooctane Sulfonamide	SPE	River Water	50 ng/L	2x	55	74.1	145	121
Perfluorooctane Sulfonamide	SPE	River Water	50 ng/L	5x	58	185	268	113
Perfluorooctane Sulfonamide	SPE	River Water	50 ng/L	10x	59	370	486	115
Perfluorooctane Sulfonamide	SPE	River Water	400 ng/L	1x	530	37	357	--
Perfluorooctane Sulfonamide	SPE	River Water	400 ng/L	2.5x	370	92.6	462	--
Perfluorooctane Sulfonamide	SPE	River Water	400 ng/L	2x	350	74.1	497	--
Perfluorooctane Sulfonamide	SPE	River Water	400 ng/L	5x	380	185	578	109
Perfluorooctane Sulfonamide	SPE	River Water	400 ng/L	6.25x	390	231	667	117
Perfluorooctane Sulfonamide	SPE	River Water	400 ng/L	10x	370	370	852	131
Perfluorooctane Sulfonamide	SPE	Groundwater	0 ng/L	1x	<2	32.9	41.3	120
Perfluorooctane Sulfonamide	SPE	Groundwater	400 ng/L	1x	490	37	515	--
Perfluorooctane Sulfonamide	SPE	Groundwater	400 ng/L	2.5x	430	92.6	519	--
Perfluorooctane Sulfonamide	SPE	Groundwater	400 ng/L	6.25x	370	231	630	114
Perfluorooctane Sulfonamide	SPE	Groundwater	400 ng/L	10x	360	370	843	130
Perfluorooctane Sulfonamide	SDI	River Water	400 ng/L	1x	250	4630	5700	118
Perfluorooctane Sulfonamide	SDI	River Water	400 ng/L	2x	<250	9260	10500	113
Perfluorooctane Sulfonamide	SDI	River Water	400 ng/L	5x	<610	23100	27000	116
Perfluorooctane Sulfonamide	SDI	River Water	400 ng/L	10x	<1200	46300	55400	120
Perfluorooctane Sulfonamide	SDI	River Water	5000 ng/L	1x	3400	4630	8770	116
Perfluorooctane Sulfonamide	SDI	River Water	5000 ng/L	2x	3500	9260	12800	100
Perfluorooctane Sulfonamide	SDI	River Water	5000 ng/L	5x	3600	23100	29200	111
Perfluorooctane Sulfonamide	SDI	River Water	5000 ng/L	10x	3400	46300	61800	126
Perfluorooctane Sulfonamide	SDI	River Water	50000 ng/L	1x	40000	4630	46200	--
Perfluorooctane Sulfonamide	SDI	River Water	50000 ng/L	2x	38000	9260	49100	--
Perfluorooctane Sulfonamide	SDI	River Water	50000 ng/L	5x	38000	23100	66300	124
Perfluorooctane Sulfonamide	SDI	River Water	50000 ng/L	10x	39000	46300	91500	114
Perfluorooctane Sulfonamide	SDI	River Water	50000 ng/L	100x	38000	463000	537000	108
Perfluorooctane Sulfonamide	SDI	Groundwater	400 ng/L	1x	340	4630	5700	116
Perfluorooctane Sulfonamide	SDI	Groundwater	400 ng/L	5x	<610	23100	26300	114
Perfluorooctane Sulfonamide	SDI	Groundwater	5000 ng/L	1x	2200	4630	7420	114
Perfluorooctane Sulfonamide	SDI	Groundwater	5000 ng/L	5x	2200	23100	26600	105
Perfluorooctane Sulfonamide	SDI	Groundwater	50000 ng/L	1x	32000	4630	37800	--
Perfluorooctane Sulfonamide	SDI	Groundwater	50000 ng/L	5x	32000	23100	56000	105
Perfluorooctane Sulfonamide	SDI	Groundwater	50000 ng/L	100x	32000	463000	561000	114
Perfluoropentane sulfonic acid (PFPeS)	SPE	River Water	0 ng/L	1x	<2	34.6	43.4	124
Perfluoropentane sulfonic acid (PFPeS)	SPE	River Water	10 ng/L	1x	11	34.7	49.5	111
Perfluoropentane sulfonic acid (PFPeS)	SPE	River Water	10 ng/L	2x	11	69.5	94.8	120
Perfluoropentane sulfonic acid (PFPeS)	SPE	River Water	10 ng/L	5x	10	174	214	117
Perfluoropentane sulfonic acid (PFPeS)	SPE	River Water	10 ng/L	10x	9.5	347	426	120
Perfluoropentane sulfonic acid (PFPeS)	SPE	River Water	50 ng/L	1x	62	34.7	93.1	90
Perfluoropentane sulfonic acid (PFPeS)	SPE	River Water	50 ng/L	2x	57	69.5	133	109
Perfluoropentane sulfonic acid (PFPeS)	SPE	River Water	50 ng/L	5x	53	174	252	114
Perfluoropentane sulfonic acid (PFPeS)	SPE	River Water	50 ng/L	10x	52	347	451	115
Perfluoropentane sulfonic acid (PFPeS)	SPE	River Water	400 ng/L	1x	390	34.7	473	--
Perfluoropentane sulfonic acid (PFPeS)	SPE	River Water	400 ng/L	2.5x	400	86.9	502	--
Perfluoropentane sulfonic acid (PFPeS)	SPE	River Water	400 ng/L	2x	420	69.5	525	--
Perfluoropentane sulfonic acid (PFPeS)	SPE	River Water	400 ng/L	5x	440	174	627	110
Perfluoropentane sulfonic acid (PFPeS)	SPE	River Water	400 ng/L	6.25x	420	217	677	116
Perfluoropentane sulfonic acid (PFPeS)	SPE	River Water	400 ng/L	10x	400	347	778	108
Perfluoropentane sulfonic acid (PFPeS)	SPE	Groundwater	0 ng/L	1x	<2	30.9	35.7	113
Perfluoropentane sulfonic acid (PFPeS)	SPE	Groundwater	400 ng/L	1x	400	34.7	436	--

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
Perfluoropentane sulfonic acid (PFPeS)	SPE	Groundwater	400 ng/L	2.5x	410	86.9	500	--
Perfluoropentane sulfonic acid (PFPeS)	SPE	Groundwater	400 ng/L	6.25x	410	217	652	110
Perfluoropentane sulfonic acid (PFPeS)	SPE	Groundwater	400 ng/L	10x	390	347	802	118
Perfluoropentane sulfonic acid (PFPeS)	SDI	River Water	400 ng/L	1x	350	4340	5180	111
Perfluoropentane sulfonic acid (PFPeS)	SDI	River Water	400 ng/L	2x	360	8690	10500	117
Perfluoropentane sulfonic acid (PFPeS)	SDI	River Water	400 ng/L	5x	380	21700	27500	125
Perfluoropentane sulfonic acid (PFPeS)	SDI	River Water	400 ng/L	10x	380	43400	51000	117
Perfluoropentane sulfonic acid (PFPeS)	SDI	River Water	5000 ng/L	1x	4700	4340	9380	108
Perfluoropentane sulfonic acid (PFPeS)	SDI	River Water	5000 ng/L	2x	5100	8690	15300	118
Perfluoropentane sulfonic acid (PFPeS)	SDI	River Water	5000 ng/L	5x	5500	21700	27400	101
Perfluoropentane sulfonic acid (PFPeS)	SDI	River Water	5000 ng/L	10x	4800	43400	55800	117
Perfluoropentane sulfonic acid (PFPeS)	SDI	River Water	50000 ng/L	1x	41000	4340	44800	--
Perfluoropentane sulfonic acid (PFPeS)	SDI	River Water	50000 ng/L	2x	44000	8690	49900	--
Perfluoropentane sulfonic acid (PFPeS)	SDI	River Water	50000 ng/L	5x	41000	21700	59800	89
Perfluoropentane sulfonic acid (PFPeS)	SDI	River Water	50000 ng/L	10x	41000	43400	84700	101
Perfluoropentane sulfonic acid (PFPeS)	SDI	River Water	50000 ng/L	100x	38000	434000	516000	110
Perfluoropentane sulfonic acid (PFPeS)	SDI	Groundwater	400 ng/L	1x	390	4340	5270	113
Perfluoropentane sulfonic acid (PFPeS)	SDI	Groundwater	400 ng/L	5x	390	21700	23100	105
Perfluoropentane sulfonic acid (PFPeS)	SDI	Groundwater	5000 ng/L	1x	5000	4340	10100	116
Perfluoropentane sulfonic acid (PFPeS)	SDI	Groundwater	5000 ng/L	5x	4700	21700	27000	103
Perfluoropentane sulfonic acid (PFPeS)	SDI	Groundwater	50000 ng/L	1x	44000	4340	49300	--
Perfluoropentane sulfonic acid (PFPeS)	SDI	Groundwater	50000 ng/L	5x	45000	21700	70700	118
Perfluoropentane sulfonic acid (PFPeS)	SDI	Groundwater	50000 ng/L	100x	38000	434000	524000	112
Perfluoropentanoic Acid	SPE	River Water	0 ng/L	1x	3.2	36.9	42.2	106
Perfluoropentanoic Acid	SPE	River Water	10 ng/L	1x	13	37	53.7	111
Perfluoropentanoic Acid	SPE	River Water	10 ng/L	2x	13	74.1	93.5	108
Perfluoropentanoic Acid	SPE	River Water	10 ng/L	5x	13	185	223	113
Perfluoropentanoic Acid	SPE	River Water	10 ng/L	10x	16	370	401	104
Perfluoropentanoic Acid	SPE	River Water	50 ng/L	1x	57	37	94.4	100
Perfluoropentanoic Acid	SPE	River Water	50 ng/L	2x	62	74.1	133	95
Perfluoropentanoic Acid	SPE	River Water	50 ng/L	5x	56	185	248	103
Perfluoropentanoic Acid	SPE	River Water	50 ng/L	10x	54	370	459	109
Perfluoropentanoic Acid	SPE	River Water	400 ng/L	1x	420	37	447	--
Perfluoropentanoic Acid	SPE	River Water	400 ng/L	2.5x	430	92.6	548	--
Perfluoropentanoic Acid	SPE	River Water	400 ng/L	2x	400	74.1	502	--
Perfluoropentanoic Acid	SPE	River Water	400 ng/L	5x	400	185	550	78
Perfluoropentanoic Acid	SPE	River Water	400 ng/L	6.25x	420	231	655	102
Perfluoropentanoic Acid	SPE	River Water	400 ng/L	10x	370	370	803	118
Perfluoropentanoic Acid	SPE	Groundwater	0 ng/L	1x	41	32.9	78.5	113
Perfluoropentanoic Acid	SPE	Groundwater	400 ng/L	1x	460	37	516	--
Perfluoropentanoic Acid	SPE	Groundwater	400 ng/L	2.5x	480	92.6	549	--
Perfluoropentanoic Acid	SPE	Groundwater	400 ng/L	6.25x	430	231	729	128
Perfluoropentanoic Acid	SPE	Groundwater	400 ng/L	10x	420	370	788	100
Perfluoropentanoic Acid	SDI	River Water	400 ng/L	1x	420	4630	5340	106
Perfluoropentanoic Acid	SDI	River Water	400 ng/L	2x	440	9260	10200	105
Perfluoropentanoic Acid	SDI	River Water	400 ng/L	5x	500	23100	25700	109
Perfluoropentanoic Acid	SDI	River Water	400 ng/L	10x	680	46300	48700	104
Perfluoropentanoic Acid	SDI	River Water	5000 ng/L	1x	5100	4630	9610	98
Perfluoropentanoic Acid	SDI	River Water	5000 ng/L	2x	5300	9260	14600	101
Perfluoropentanoic Acid	SDI	River Water	5000 ng/L	5x	5200	23100	29500	105
Perfluoropentanoic Acid	SDI	River Water	5000 ng/L	10x	5700	46300	58200	114
Perfluoropentanoic Acid	SDI	River Water	50000 ng/L	1x	43000	4630	44400	--
Perfluoropentanoic Acid	SDI	River Water	50000 ng/L	2x	46000	9260	55400	--

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
Perfluoropentanoic Acid	SDI	River Water	50000 ng/L	5x	40000	23100	66400	112
Perfluoropentanoic Acid	SDI	River Water	50000 ng/L	10x	45000	46300	90200	98
Perfluoropentanoic Acid	SDI	River Water	50000 ng/L	100x	41000	463000	549000	110
Perfluoropentanoic Acid	SDI	Groundwater	400 ng/L	1x	460	4630	5120	101
Perfluoropentanoic Acid	SDI	Groundwater	400 ng/L	5x	520	23100	25400	107
Perfluoropentanoic Acid	SDI	Groundwater	5000 ng/L	1x	5300	4630	9680	95
Perfluoropentanoic Acid	SDI	Groundwater	5000 ng/L	5x	5400	23100	27600	96
Perfluoropentanoic Acid	SDI	Groundwater	50000 ng/L	1x	44000	4630	48900	--
Perfluoropentanoic Acid	SDI	Groundwater	50000 ng/L	5x	40000	23100	67800	121
Perfluoropentanoic Acid	SDI	Groundwater	50000 ng/L	100x	48000	463000	481000	94
Perfluoropropanesulfonic acid	SPE	River Water	0 ng/L	1x	2.5	33.8	46.2	129
Perfluoropropanesulfonic acid	SPE	River Water	10 ng/L	1x	11	33.9	51.2	120
Perfluoropropanesulfonic acid	SPE	River Water	10 ng/L	2x	10	67.9	89.5	117
Perfluoropropanesulfonic acid	SPE	River Water	10 ng/L	5x	11	170	226	127
Perfluoropropanesulfonic acid	SPE	River Water	10 ng/L	10x	8.9	339	418	121
Perfluoropropanesulfonic acid	SPE	River Water	50 ng/L	1x	51	33.9	89.9	116
Perfluoropropanesulfonic acid	SPE	River Water	50 ng/L	2x	55	67.9	137	121
Perfluoropropanesulfonic acid	SPE	River Water	50 ng/L	5x	52	170	273	130
Perfluoropropanesulfonic acid	SPE	River Water	50 ng/L	10x	50	339	431	112
Perfluoropropanesulfonic acid	SPE	River Water	400 ng/L	1x	380	33.9	400	--
Perfluoropropanesulfonic acid	SPE	River Water	400 ng/L	2.5x	380	84.8	486	--
Perfluoropropanesulfonic acid	SPE	River Water	400 ng/L	2x	390	67.9	467	--
Perfluoropropanesulfonic acid	SPE	River Water	400 ng/L	5x	390	170	585	118
Perfluoropropanesulfonic acid	SPE	River Water	400 ng/L	6.25x	390	212	590	93
Perfluoropropanesulfonic acid	SPE	River Water	400 ng/L	10x	390	339	734	100
Perfluoropropanesulfonic acid	SPE	Groundwater	0 ng/L	1x	<2	30.2	29.8	99
Perfluoropropanesulfonic acid	SPE	Groundwater	400 ng/L	1x	380	33.9	404	--
Perfluoropropanesulfonic acid	SPE	Groundwater	400 ng/L	2.5x	370	84.8	429	--
Perfluoropropanesulfonic acid	SPE	Groundwater	400 ng/L	6.25x	370	212	629	123
Perfluoropropanesulfonic acid	SPE	Groundwater	400 ng/L	10x	360	339	764	120
Perfluoropropanesulfonic acid	SDI	River Water	400 ng/L	1x	360	4240	5430	119
Perfluoropropanesulfonic acid	SDI	River Water	400 ng/L	2x	350	8480	10300	118
Perfluoropropanesulfonic acid	SDI	River Water	400 ng/L	5x	410	21200	27100	126
Perfluoropropanesulfonic acid	SDI	River Water	400 ng/L	10x	360	42400	53300	125
Perfluoropropanesulfonic acid	SDI	River Water	5000 ng/L	1x	4800	4240	9440	109
Perfluoropropanesulfonic acid	SDI	River Water	5000 ng/L	2x	4900	8480	15000	119
Perfluoropropanesulfonic acid	SDI	River Water	5000 ng/L	5x	5100	21200	29700	116
Perfluoropropanesulfonic acid	SDI	River Water	5000 ng/L	10x	4900	42400	59200	128
Perfluoropropanesulfonic acid	SDI	River Water	50000 ng/L	1x	39000	4240	41900	--
Perfluoropropanesulfonic acid	SDI	River Water	50000 ng/L	2x	40000	8480	46300	--
Perfluoropropanesulfonic acid	SDI	River Water	50000 ng/L	5x	41000	21200	59300	86
Perfluoropropanesulfonic acid	SDI	River Water	50000 ng/L	10x	39000	42400	91600	123
Perfluoropropanesulfonic acid	SDI	River Water	50000 ng/L	100x	38000	424000	533000	117
Perfluoropropanesulfonic acid	SDI	Groundwater	400 ng/L	1x	360	4240	5530	122
Perfluoropropanesulfonic acid	SDI	Groundwater	400 ng/L	5x	340	21200	24600	114
Perfluoropropanesulfonic acid	SDI	Groundwater	5000 ng/L	1x	5200	4240	9600	105
Perfluoropropanesulfonic acid	SDI	Groundwater	5000 ng/L	5x	4700	21200	28300	111
Perfluoropropanesulfonic acid	SDI	Groundwater	50000 ng/L	1x	37000	4240	44200	--
Perfluoropropanesulfonic acid	SDI	Groundwater	50000 ng/L	5x	40000	21200	63400	110
Perfluoropropanesulfonic acid	SDI	Groundwater	50000 ng/L	100x	37000	424000	543000	119
Perfluorotetradecanoic Acid	SPE	River Water	0 ng/L	1x	<2	36.9	41.9	114
Perfluorotetradecanoic Acid	SPE	River Water	10 ng/L	1x	8.8	37	50.9	114
Perfluorotetradecanoic Acid	SPE	River Water	10 ng/L	2x	9.2	74.1	98.2	120

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
Perfluorotetradecanoic Acid	SPE	River Water	10 ng/L	5x	8	185	217	113
Perfluorotetradecanoic Acid	SPE	River Water	10 ng/L	10x	8.1	370	450	119
Perfluorotetradecanoic Acid	SPE	River Water	50 ng/L	1x	46	37	87.1	110
Perfluorotetradecanoic Acid	SPE	River Water	50 ng/L	2x	40	74.1	131	123
Perfluorotetradecanoic Acid	SPE	River Water	50 ng/L	5x	40	185	250	113
Perfluorotetradecanoic Acid	SPE	River Water	50 ng/L	10x	47	370	512	126
Perfluorotetradecanoic Acid	SPE	River Water	400 ng/L	1x	240	37	239	--
Perfluorotetradecanoic Acid	SPE	River Water	400 ng/L	2.5x	220	92.6	308	100
Perfluorotetradecanoic Acid	SPE	River Water	400 ng/L	2x	200	74.1	325	172
Perfluorotetradecanoic Acid	SPE	River Water	400 ng/L	5x	230	185	462	125
Perfluorotetradecanoic Acid	SPE	River Water	400 ng/L	6.25x	250	231	531	123
Perfluorotetradecanoic Acid	SPE	River Water	400 ng/L	10x	220	370	656	117
Perfluorotetradecanoic Acid	SPE	Groundwater	0 ng/L	1x	<2	32.9	38.2	116
Perfluorotetradecanoic Acid	SPE	Groundwater	400 ng/L	1x	400	37	386	--
Perfluorotetradecanoic Acid	SPE	Groundwater	400 ng/L	2.5x	380	92.6	462	--
Perfluorotetradecanoic Acid	SPE	Groundwater	400 ng/L	6.25x	310	231	532	95
Perfluorotetradecanoic Acid	SPE	Groundwater	400 ng/L	10x	340	370	741	108
Perfluorotetradecanoic Acid	SDI	River Water	400 ng/L	1x	250	4630	5380	111
Perfluorotetradecanoic Acid	SDI	River Water	400 ng/L	2x	280	9260	11500	121
Perfluorotetradecanoic Acid	SDI	River Water	400 ng/L	5x	<460	23100	26200	113
Perfluorotetradecanoic Acid	SDI	River Water	400 ng/L	10x	<910	46300	55800	121
Perfluorotetradecanoic Acid	SDI	River Water	5000 ng/L	1x	3100	4630	8330	113
Perfluorotetradecanoic Acid	SDI	River Water	5000 ng/L	2x	3300	9260	13600	111
Perfluorotetradecanoic Acid	SDI	River Water	5000 ng/L	5x	3400	23100	30200	116
Perfluorotetradecanoic Acid	SDI	River Water	5000 ng/L	10x	3400	46300	55500	113
Perfluorotetradecanoic Acid	SDI	River Water	50000 ng/L	1x	32000	4630	36200	--
Perfluorotetradecanoic Acid	SDI	River Water	50000 ng/L	2x	28000	9260	39800	125
Perfluorotetradecanoic Acid	SDI	River Water	50000 ng/L	5x	30000	23100	59000	126
Perfluorotetradecanoic Acid	SDI	River Water	50000 ng/L	10x	32000	46300	83900	112
Perfluorotetradecanoic Acid	SDI	River Water	50000 ng/L	100x	28000	463000	522000	107
Perfluorotetradecanoic Acid	SDI	Groundwater	400 ng/L	1x	350	4630	5160	104
Perfluorotetradecanoic Acid	SDI	Groundwater	400 ng/L	5x	<460	23100	25300	109
Perfluorotetradecanoic Acid	SDI	Groundwater	5000 ng/L	1x	3500	4630	9080	120
Perfluorotetradecanoic Acid	SDI	Groundwater	5000 ng/L	5x	4200	23100	30300	113
Perfluorotetradecanoic Acid	SDI	Groundwater	50000 ng/L	1x	34000	4630	41900	--
Perfluorotetradecanoic Acid	SDI	Groundwater	50000 ng/L	5x	34000	23100	63900	129
Perfluorotetradecanoic Acid	SDI	Groundwater	50000 ng/L	100x	38000	463000	551000	111
Perfluorotridecanoic Acid	SPE	River Water	0 ng/L	1x	<2	36.9	41.3	112
Perfluorotridecanoic Acid	SPE	River Water	10 ng/L	1x	8.5	37	47.5	105
Perfluorotridecanoic Acid	SPE	River Water	10 ng/L	2x	9	74.1	80	96
Perfluorotridecanoic Acid	SPE	River Water	10 ng/L	5x	7.8	185	220	115
Perfluorotridecanoic Acid	SPE	River Water	10 ng/L	10x	<13	370	466	126
Perfluorotridecanoic Acid	SPE	River Water	50 ng/L	1x	44	37	84.5	110
Perfluorotridecanoic Acid	SPE	River Water	50 ng/L	2x	42	74.1	117	102
Perfluorotridecanoic Acid	SPE	River Water	50 ng/L	5x	38	185	273	127
Perfluorotridecanoic Acid	SPE	River Water	50 ng/L	10x	43	370	476	117
Perfluorotridecanoic Acid	SPE	River Water	400 ng/L	1x	260	37	243	--
Perfluorotridecanoic Acid	SPE	River Water	400 ng/L	2.5x	240	92.6	339	104
Perfluorotridecanoic Acid	SPE	River Water	400 ng/L	2x	250	74.1	332	111
Perfluorotridecanoic Acid	SPE	River Water	400 ng/L	5x	240	185	457	118
Perfluorotridecanoic Acid	SPE	River Water	400 ng/L	6.25x	260	231	483	95
Perfluorotridecanoic Acid	SPE	River Water	400 ng/L	10x	250	370	681	116
Perfluorotridecanoic Acid	SPE	Groundwater	0 ng/L	1x	<2	32.9	34.6	105

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
Perfluorotridecanoic Acid	SPE	Groundwater	400 ng/L	1x	400	37	393	--
Perfluorotridecanoic Acid	SPE	Groundwater	400 ng/L	2.5x	400	92.6	437	--
Perfluorotridecanoic Acid	SPE	Groundwater	400 ng/L	6.25x	300	231	587	125
Perfluorotridecanoic Acid	SPE	Groundwater	400 ng/L	10x	340	370	744	110
Perfluorotridecanoic Acid	SDI	River Water	400 ng/L	1x	200	4630	5660	118
Perfluorotridecanoic Acid	SDI	River Water	400 ng/L	2x	<330	9260	10900	118
Perfluorotridecanoic Acid	SDI	River Water	400 ng/L	5x	<810	23100	24200	105
Perfluorotridecanoic Acid	SDI	River Water	400 ng/L	10x	<1600	46300	57400	124
Perfluorotridecanoic Acid	SDI	River Water	5000 ng/L	1x	2400	4630	7810	117
Perfluorotridecanoic Acid	SDI	River Water	5000 ng/L	2x	2500	9260	11700	100
Perfluorotridecanoic Acid	SDI	River Water	5000 ng/L	5x	2500	23100	25800	100
Perfluorotridecanoic Acid	SDI	River Water	5000 ng/L	10x	2500	46300	60000	124
Perfluorotridecanoic Acid	SDI	River Water	50000 ng/L	1x	26000	4630	29400	--
Perfluorotridecanoic Acid	SDI	River Water	50000 ng/L	2x	24000	9260	32300	88
Perfluorotridecanoic Acid	SDI	River Water	50000 ng/L	5x	23000	23100	48900	110
Perfluorotridecanoic Acid	SDI	River Water	50000 ng/L	10x	23000	46300	78400	120
Perfluorotridecanoic Acid	SDI	River Water	50000 ng/L	100x	23000	463000	504000	104
Perfluorotridecanoic Acid	SDI	Groundwater	400 ng/L	1x	340	4630	5110	103
Perfluorotridecanoic Acid	SDI	Groundwater	400 ng/L	5x	<810	23100	30000	130
Perfluorotridecanoic Acid	SDI	Groundwater	5000 ng/L	1x	2400	4630	7820	116
Perfluorotridecanoic Acid	SDI	Groundwater	5000 ng/L	5x	2700	23100	28700	113
Perfluorotridecanoic Acid	SDI	Groundwater	50000 ng/L	1x	29000	4630	33300	--
Perfluorotridecanoic Acid	SDI	Groundwater	50000 ng/L	5x	27000	23100	49300	94
Perfluorotridecanoic Acid	SDI	Groundwater	50000 ng/L	100x	29000	463000	565000	116
Perfluoroundecanoic Acid	SPE	River Water	0 ng/L	1x	<2	36.9	46.4	126
Perfluoroundecanoic Acid	SPE	River Water	10 ng/L	1x	11	37	57	124
Perfluoroundecanoic Acid	SPE	River Water	10 ng/L	2x	11	74.1	102	122
Perfluoroundecanoic Acid	SPE	River Water	10 ng/L	5x	9.3	185	232	120
Perfluoroundecanoic Acid	SPE	River Water	10 ng/L	10x	<11	370	460	124
Perfluoroundecanoic Acid	SPE	River Water	50 ng/L	1x	59	37	90.6	85
Perfluoroundecanoic Acid	SPE	River Water	50 ng/L	2x	55	74.1	134	107
Perfluoroundecanoic Acid	SPE	River Water	50 ng/L	5x	51	185	253	109
Perfluoroundecanoic Acid	SPE	River Water	50 ng/L	10x	54	370	454	108
Perfluoroundecanoic Acid	SPE	River Water	400 ng/L	1x	450	37	314	--
Perfluoroundecanoic Acid	SPE	River Water	400 ng/L	2.5x	300	92.6	410	117
Perfluoroundecanoic Acid	SPE	River Water	400 ng/L	2x	300	74.1	504	--
Perfluoroundecanoic Acid	SPE	River Water	400 ng/L	5x	310	185	544	125
Perfluoroundecanoic Acid	SPE	River Water	400 ng/L	6.25x	380	231	647	114
Perfluoroundecanoic Acid	SPE	River Water	400 ng/L	10x	340	370	854	138
Perfluoroundecanoic Acid	SPE	Groundwater	0 ng/L	1x	<2	32.9	38.7	113
Perfluoroundecanoic Acid	SPE	Groundwater	400 ng/L	1x	410	37	417	--
Perfluoroundecanoic Acid	SPE	Groundwater	400 ng/L	2.5x	380	92.6	466	--
Perfluoroundecanoic Acid	SPE	Groundwater	400 ng/L	6.25x	340	231	581	105
Perfluoroundecanoic Acid	SPE	Groundwater	400 ng/L	10x	350	370	737	103
Perfluoroundecanoic Acid	SDI	River Water	400 ng/L	1x	210	4630	6120	128
Perfluoroundecanoic Acid	SDI	River Water	400 ng/L	2x	<280	9260	11500	124
Perfluoroundecanoic Acid	SDI	River Water	400 ng/L	5x	<690	23100	29300	127
Perfluoroundecanoic Acid	SDI	River Water	400 ng/L	10x	<1400	46300	56300	122
Perfluoroundecanoic Acid	SDI	River Water	5000 ng/L	1x	3200	4630	8700	119
Perfluoroundecanoic Acid	SDI	River Water	5000 ng/L	2x	2800	9260	11300	91
Perfluoroundecanoic Acid	SDI	River Water	5000 ng/L	5x	3400	23100	26900	102
Perfluoroundecanoic Acid	SDI	River Water	5000 ng/L	10x	3000	46300	56500	116
Perfluoroundecanoic Acid	SDI	River Water	50000 ng/L	1x	37000	4630	42000	--

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
Perfluoroundecanoic Acid	SDI	River Water	50000 ng/L	2x	36000	9260	45300	96
Perfluoroundecanoic Acid	SDI	River Water	50000 ng/L	5x	38000	23100	60300	95
Perfluoroundecanoic Acid	SDI	River Water	50000 ng/L	10x	39000	46300	93100	117
Perfluoroundecanoic Acid	SDI	River Water	50000 ng/L	100x	34000	463000	551000	112
Perfluoroundecanoic Acid	SDI	Groundwater	400 ng/L	1x	370	4630	6210	126
Perfluoroundecanoic Acid	SDI	Groundwater	400 ng/L	5x	<690	23100	23800	103
Perfluoroundecanoic Acid	SDI	Groundwater	5000 ng/L	1x	2000	4630	7790	125
Perfluoroundecanoic Acid	SDI	Groundwater	5000 ng/L	5x	2100	23100	29200	117
Perfluoroundecanoic Acid	SDI	Groundwater	50000 ng/L	1x	33000	4630	40200	--
Perfluoroundecanoic Acid	SDI	Groundwater	50000 ng/L	5x	31000	23100	61000	128
Perfluoroundecanoic Acid	SDI	Groundwater	50000 ng/L	100x	36000	463000	555000	112
PFECA-A	SPE	River Water	0 ng/L	1x	<2	36.9	41.5	113
PFECA-A	SPE	River Water	10 ng/L	1x	10	37	52	113
PFECA-A	SPE	River Water	10 ng/L	2x	9.6	74.1	90.9	110
PFECA-A	SPE	River Water	10 ng/L	5x	9.3	185	221	114
PFECA-A	SPE	River Water	10 ng/L	10x	9	370	393	104
PFECA-A	SPE	River Water	50 ng/L	1x	56	37	96.7	111
PFECA-A	SPE	River Water	50 ng/L	2x	60	74.1	133	99
PFECA-A	SPE	River Water	50 ng/L	5x	52	185	239	101
PFECA-A	SPE	River Water	50 ng/L	10x	51	370	489	118
PFECA-A	SPE	River Water	400 ng/L	1x	450	37	456	--
PFECA-A	SPE	River Water	400 ng/L	2.5x	430	92.6	553	--
PFECA-A	SPE	River Water	400 ng/L	2x	430	74.1	533	--
PFECA-A	SPE	River Water	400 ng/L	5x	410	185	611	107
PFECA-A	SPE	River Water	400 ng/L	6.25x	460	231	686	99
PFECA-A	SPE	River Water	400 ng/L	10x	400	370	808	110
PFECA-A	SPE	Groundwater	0 ng/L	1x	<2	32.9	32.5	96
PFECA-A	SPE	Groundwater	400 ng/L	1x	450	37	496	--
PFECA-A	SPE	Groundwater	400 ng/L	2.5x	420	92.6	492	--
PFECA-A	SPE	Groundwater	400 ng/L	6.25x	380	231	661	121
PFECA-A	SPE	Groundwater	400 ng/L	10x	380	370	763	104
PFECA-A	SDI	River Water	400 ng/L	1x	430	4630	5460	109
PFECA-A	SDI	River Water	400 ng/L	2x	430	9260	9800	101
PFECA-A	SDI	River Water	400 ng/L	5x	420	23100	25000	106
PFECA-A	SDI	River Water	400 ng/L	10x	390	46300	48300	104
PFECA-A	SDI	River Water	5000 ng/L	1x	5300	4630	9550	93
PFECA-A	SDI	River Water	5000 ng/L	2x	5400	9260	13900	92
PFECA-A	SDI	River Water	5000 ng/L	5x	5400	23100	30300	108
PFECA-A	SDI	River Water	5000 ng/L	10x	5600	46300	60200	118
PFECA-A	SDI	River Water	50000 ng/L	1x	43000	4630	47400	--
PFECA-A	SDI	River Water	50000 ng/L	2x	48000	9260	57200	--
PFECA-A	SDI	River Water	50000 ng/L	5x	42000	23100	67600	112
PFECA-A	SDI	River Water	50000 ng/L	10x	43000	46300	85000	90
PFECA-A	SDI	River Water	50000 ng/L	100x	40000	463000	527000	105
PFECA-A	SDI	Groundwater	400 ng/L	1x	400	4630	4810	95
PFECA-A	SDI	Groundwater	400 ng/L	5x	390	23100	25800	110
PFECA-A	SDI	Groundwater	5000 ng/L	1x	5300	4630	10300	108
PFECA-A	SDI	Groundwater	5000 ng/L	5x	5000	23100	27900	99
PFECA-A	SDI	Groundwater	50000 ng/L	1x	48000	4630	53500	--
PFECA-A	SDI	Groundwater	50000 ng/L	5x	43000	23100	65000	96
PFECA-A	SDI	Groundwater	50000 ng/L	100x	46000	463000	523000	103
PFECA-F	SPE	River Water	0 ng/L	1x	<2	36.9	37.1	101
PFECA-F	SPE	River Water	10 ng/L	1x	9.6	37	46	98



**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
PFECA-F	SPE	River Water	10 ng/L	2x	9.8	74.1	88.4	106
PFECA-F	SPE	River Water	10 ng/L	5x	9.6	185	221	114
PFECA-F	SPE	River Water	10 ng/L	10x	9.3	370	378	99
PFECA-F	SPE	River Water	50 ng/L	1x	51	37	87.4	99
PFECA-F	SPE	River Water	50 ng/L	2x	57	74.1	129	97
PFECA-F	SPE	River Water	50 ng/L	5x	52	185	258	111
PFECA-F	SPE	River Water	50 ng/L	10x	49	370	507	123
PFECA-F	SPE	River Water	400 ng/L	1x	430	37	449	--
PFECA-F	SPE	River Water	400 ng/L	2.5x	460	92.6	556	--
PFECA-F	SPE	River Water	400 ng/L	2x	430	74.1	516	--
PFECA-F	SPE	River Water	400 ng/L	5x	440	185	588	82
PFECA-F	SPE	River Water	400 ng/L	6.25x	440	231	674	102
PFECA-F	SPE	River Water	400 ng/L	10x	370	370	753	102
PFECA-F	SPE	Groundwater	0 ng/L	1x	15	32.9	47.7	99
PFECA-F	SPE	Groundwater	400 ng/L	1x	460	37	486	--
PFECA-F	SPE	Groundwater	400 ng/L	2.5x	430	92.6	504	--
PFECA-F	SPE	Groundwater	400 ng/L	6.25x	440	231	677	104
PFECA-F	SPE	Groundwater	400 ng/L	10x	390	370	766	101
PFECA-F	SDI	River Water	400 ng/L	1x	440	4630	5630	112
PFECA-F	SDI	River Water	400 ng/L	2x	380	9260	10600	111
PFECA-F	SDI	River Water	400 ng/L	5x	390	23100	26300	112
PFECA-F	SDI	River Water	400 ng/L	10x	420	46300	50300	108
PFECA-F	SDI	River Water	5000 ng/L	1x	5300	4630	9350	87
PFECA-F	SDI	River Water	5000 ng/L	2x	5500	9260	14200	94
PFECA-F	SDI	River Water	5000 ng/L	5x	5200	23100	30700	110
PFECA-F	SDI	River Water	5000 ng/L	10x	5600	46300	62600	123
PFECA-F	SDI	River Water	50000 ng/L	1x	44000	4630	48200	--
PFECA-F	SDI	River Water	50000 ng/L	2x	48000	9260	54000	--
PFECA-F	SDI	River Water	50000 ng/L	5x	42000	23100	66700	106
PFECA-F	SDI	River Water	50000 ng/L	10x	46000	46300	84700	83
PFECA-F	SDI	River Water	50000 ng/L	100x	40000	463000	549000	110
PFECA-F	SDI	Groundwater	400 ng/L	1x	410	4630	4750	94
PFECA-F	SDI	Groundwater	400 ng/L	5x	400	23100	25300	107
PFECA-F	SDI	Groundwater	5000 ng/L	1x	5200	4630	9710	97
PFECA-F	SDI	Groundwater	5000 ng/L	5x	4900	23100	28300	101
PFECA-F	SDI	Groundwater	50000 ng/L	1x	49000	4630	51500	--
PFECA-F	SDI	Groundwater	50000 ng/L	5x	43000	23100	68100	107
PFECA-F	SDI	Groundwater	50000 ng/L	100x	43000	463000	490000	97
PFOA	SPE	River Water	0 ng/L	1x	4.3	36.9	48.6	120
PFOA	SPE	River Water	10 ng/L	1x	16	37	59.8	117
PFOA	SPE	River Water	10 ng/L	2x	17	74.1	104	117
PFOA	SPE	River Water	10 ng/L	5x	15	185	211	106
PFOA	SPE	River Water	10 ng/L	10x	16	370	446	116
PFOA	SPE	River Water	50 ng/L	1x	60	37	106	123
PFOA	SPE	River Water	50 ng/L	2x	64	74.1	150	117
PFOA	SPE	River Water	50 ng/L	5x	60	185	260	108
PFOA	SPE	River Water	50 ng/L	10x	66	370	523	123
PFOA	SPE	River Water	400 ng/L	1x	470	37	429	--
PFOA	SPE	River Water	400 ng/L	2.5x	450	92.6	508	--
PFOA	SPE	River Water	400 ng/L	2x	420	74.1	505	--
PFOA	SPE	River Water	400 ng/L	5x	420	185	651	124
PFOA	SPE	River Water	400 ng/L	6.25x	450	231	699	108
PFOA	SPE	River Water	400 ng/L	10x	440	370	860	115

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
PFOA	SPE	Groundwater	0 ng/L	1x	38	32.9	72.2	103
PFOA	SPE	Groundwater	400 ng/L	1x	470	37	529	--
PFOA	SPE	Groundwater	400 ng/L	2.5x	490	92.6	574	--
PFOA	SPE	Groundwater	400 ng/L	6.25x	460	231	690	98
PFOA	SPE	Groundwater	400 ng/L	10x	440	370	901	124
PFOA	SDI	River Water	400 ng/L	1x	440	4630	5240	104
PFOA	SDI	River Water	400 ng/L	2x	410	9260	10700	112
PFOA	SDI	River Water	400 ng/L	5x	<530	23100	27600	119
PFOA	SDI	River Water	400 ng/L	10x	<1100	46300	53000	114
PFOA	SDI	River Water	5000 ng/L	1x	5300	4630	10500	112
PFOA	SDI	River Water	5000 ng/L	2x	5400	9260	14700	101
PFOA	SDI	River Water	5000 ng/L	5x	5500	23100	30500	108
PFOA	SDI	River Water	5000 ng/L	10x	5800	46300	59900	117
PFOA	SDI	River Water	50000 ng/L	1x	45000	4630	49400	--
PFOA	SDI	River Water	50000 ng/L	2x	49000	9260	56400	--
PFOA	SDI	River Water	50000 ng/L	5x	42000	23100	66800	106
PFOA	SDI	River Water	50000 ng/L	10x	48000	46300	95500	102
PFOA	SDI	River Water	50000 ng/L	100x	46000	463000	544000	108
PFOA	SDI	Groundwater	400 ng/L	1x	440	4630	5350	106
PFOA	SDI	Groundwater	400 ng/L	5x	550	23100	25400	107
PFOA	SDI	Groundwater	5000 ng/L	1x	5200	4630	9880	102
PFOA	SDI	Groundwater	5000 ng/L	5x	5200	23100	29200	104
PFOA	SDI	Groundwater	50000 ng/L	1x	47000	4630	50000	--
PFOA	SDI	Groundwater	50000 ng/L	5x	45000	23100	71100	112
PFOA	SDI	Groundwater	50000 ng/L	100x	51000	463000	552000	108
PFOS	SPE	River Water	0 ng/L	1x	8.7	34.2	46.5	110
PFOS	SPE	River Water	10 ng/L	1x	21	34.4	53.5	94
PFOS	SPE	River Water	10 ng/L	2x	19	68.7	102	121
PFOS	SPE	River Water	10 ng/L	5x	17	172	220	118
PFOS	SPE	River Water	10 ng/L	10x	19	344	405	112
PFOS	SPE	River Water	50 ng/L	1x	69	34.4	98.1	84
PFOS	SPE	River Water	50 ng/L	2x	57	68.7	142	125
PFOS	SPE	River Water	50 ng/L	5x	54	172	253	116
PFOS	SPE	River Water	50 ng/L	10x	56	344	458	117
PFOS	SPE	River Water	400 ng/L	1x	500	34.4	344	--
PFOS	SPE	River Water	400 ng/L	2.5x	360	85.9	442	--
PFOS	SPE	River Water	400 ng/L	2x	350	68.7	503	--
PFOS	SPE	River Water	400 ng/L	5x	380	172	595	125
PFOS	SPE	River Water	400 ng/L	6.25x	400	215	630	109
PFOS	SPE	River Water	400 ng/L	10x	360	344	810	130
PFOS	SPE	Groundwater	0 ng/L	1x	13	30.6	46.3	108
PFOS	SPE	Groundwater	400 ng/L	1x	460	34.4	440	--
PFOS	SPE	Groundwater	400 ng/L	2.5x	410	85.9	479	--
PFOS	SPE	Groundwater	400 ng/L	6.25x	330	215	603	128
PFOS	SPE	Groundwater	400 ng/L	10x	370	344	755	112
PFOS	SDI	River Water	400 ng/L	1x	280	4300	5330	117
PFOS	SDI	River Water	400 ng/L	2x	240	8590	9870	112
PFOS	SDI	River Water	400 ng/L	5x	<340	21500	25600	119
PFOS	SDI	River Water	400 ng/L	10x	<680	43000	48400	113
PFOS	SDI	River Water	5000 ng/L	1x	4000	4300	8460	103
PFOS	SDI	River Water	5000 ng/L	2x	4300	8590	13100	102
PFOS	SDI	River Water	5000 ng/L	5x	4900	21500	26400	100
PFOS	SDI	River Water	5000 ng/L	10x	4400	43000	59300	128

**TABLE A2**  
**TABLE OF MATRIX SPIKE RECOVERIES FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound <sup>1</sup>	Sample Preparation	Water Type	Amendment	Dilution	Measured Concentration in Parent Sample (ng/L)	Matrix Spike Added (ng/L)	Measured Concentration in Matrix Spike Sample (ng/L)	Matrix Spike Recovery (%)
PFOS	SDI	River Water	50000 ng/L	1x	43000	4300	48800	--
PFOS	SDI	River Water	50000 ng/L	2x	44000	8590	50200	--
PFOS	SDI	River Water	50000 ng/L	5x	40000	21500	64000	110
PFOS	SDI	River Water	50000 ng/L	10x	41000	43000	85800	105
PFOS	SDI	River Water	50000 ng/L	100x	42000	430000	497000	106
PFOS	SDI	Groundwater	400 ng/L	1x	360	4300	4850	105
PFOS	SDI	Groundwater	400 ng/L	5x	<340	21500	23900	111
PFOS	SDI	Groundwater	5000 ng/L	1x	3500	4300	9090	130
PFOS	SDI	Groundwater	5000 ng/L	5x	3000	21500	28400	118
PFOS	SDI	Groundwater	50000 ng/L	1x	42000	4300	44000	--
PFOS	SDI	Groundwater	50000 ng/L	5x	34000	21500	65200	147
PFOS	SDI	Groundwater	50000 ng/L	100x	43000	430000	510000	109

*Notes:*

Sample analysis was by 537MM (EPA Method 537 Mod Max)

< - result is below reporting limit

-- - matrix spike addition was less than 0.25x the concentration of the sample; matrix spike recovery was not calculated

% - percent

ng/L - nanograms per liter

SDI - solvent dilution / direct injection

SPE - solid phase extraction

1. - for chemical names of PFAS, see Table A1.

**TABLE A3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
10:2 Fluorotelomer carboxylic acid	SPE	River Water	0 ng/L	1x	--	<3	--
10:2 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	1x	10	9.3	93
10:2 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	1x	50	53	106
10:2 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	1x	400	420	105
10:2 Fluorotelomer carboxylic acid	SPE	Groundwater	0 ng/L	1x	--	<3	--
10:2 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	1x	400	350	88
10:2 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	1x	400	270	68
10:2 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	1x	5000	3200	64
10:2 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	1x	50000	32000	64
10:2 Fluorotelomer carboxylic acid	SDI	Groundwater	400 ng/L	1x	400	390	98
10:2 Fluorotelomer carboxylic acid	SDI	Groundwater	5000 ng/L	1x	5000	2600	52
10:2 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	1x	50000	27000	54
10:2 FTS	SPE	River Water	0 ng/L	1x	--	<2	--
10:2 FTS	SPE	River Water	10 ng/L	1x	10	9.1	91
10:2 FTS	SPE	River Water	50 ng/L	1x	50	54	108
10:2 FTS	SPE	River Water	400 ng/L	1x	400	340	85
10:2 FTS	SPE	Groundwater	0 ng/L	1x	--	<2	--
10:2 FTS	SPE	Groundwater	400 ng/L	1x	400	410	103
10:2 FTS	SDI	River Water	400 ng/L	1x	400	210	53
10:2 FTS	SDI	River Water	5000 ng/L	1x	5000	2700	54
10:2 FTS	SDI	River Water	50000 ng/L	1x	50000	24000	48
10:2 FTS	SDI	Groundwater	400 ng/L	1x	400	320	80
10:2 FTS	SDI	Groundwater	5000 ng/L	1x	5000	2000	40
10:2 FTS	SDI	Groundwater	50000 ng/L	1x	50000	27000	54
11Cl-PF3OUdS	SPE	River Water	0 ng/L	1x	--	<2	--
11Cl-PF3OUdS	SPE	River Water	10 ng/L	1x	10	8.5	85
11Cl-PF3OUdS	SPE	River Water	50 ng/L	1x	50	45	90
11Cl-PF3OUdS	SPE	River Water	400 ng/L	1x	400	330	83
11Cl-PF3OUdS	SPE	Groundwater	0 ng/L	1x	--	<2	--
11Cl-PF3OUdS	SPE	Groundwater	400 ng/L	1x	400	420	105
11Cl-PF3OUdS	SDI	River Water	400 ng/L	1x	400	170	43
11Cl-PF3OUdS	SDI	River Water	5000 ng/L	1x	5000	2100	42
11Cl-PF3OUdS	SDI	River Water	50000 ng/L	1x	50000	35000	70
11Cl-PF3OUdS	SDI	Groundwater	400 ng/L	1x	400	320	80
11Cl-PF3OUdS	SDI	Groundwater	5000 ng/L	1x	5000	1600	32
11Cl-PF3OUdS	SDI	Groundwater	50000 ng/L	1x	50000	29000	58
2H-Perfluoro-2-dodecenoic acid	SPE	River Water	0 ng/L	1x	--	<2	--
2H-Perfluoro-2-dodecenoic acid	SPE	River Water	10 ng/L	1x	10	12	120
2H-Perfluoro-2-dodecenoic acid	SPE	River Water	50 ng/L	1x	50	64	128
2H-Perfluoro-2-dodecenoic acid	SPE	River Water	400 ng/L	1x	400	380	95
2H-Perfluoro-2-dodecenoic acid	SPE	Groundwater	0 ng/L	1x	--	<2	--
2H-Perfluoro-2-dodecenoic acid	SPE	Groundwater	400 ng/L	1x	400	480	120
2H-Perfluoro-2-dodecenoic acid	SDI	River Water	400 ng/L	1x	400	230	58
2H-Perfluoro-2-dodecenoic acid	SDI	River Water	5000 ng/L	1x	5000	2200	44
2H-Perfluoro-2-dodecenoic acid	SDI	River Water	50000 ng/L	1x	50000	31000	62
2H-Perfluoro-2-dodecenoic acid	SDI	Groundwater	400 ng/L	1x	400	330	83
2H-Perfluoro-2-dodecenoic acid	SDI	Groundwater	5000 ng/L	1x	5000	1700	34
2H-Perfluoro-2-dodecenoic acid	SDI	Groundwater	50000 ng/L	1x	50000	27000	54
3:3 Fluorotelomer carboxylic acid	SPE	River Water	0 ng/L	1x	--	<2	--
3:3 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	1x	10	13	130
3:3 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	1x	50	65	130
3:3 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	1x	400	440	110
3:3 Fluorotelomer carboxylic acid	SPE	Groundwater	0 ng/L	1x	--	<2	--
3:3 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	1x	400	410	103
3:3 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	1x	400	440	110

**TABLE A3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
3:3 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	1x	5000	5400	108
3:3 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	1x	50000	44000	88
3:3 Fluorotelomer carboxylic acid	SDI	Groundwater	400 ng/L	1x	400	450	113
3:3 Fluorotelomer carboxylic acid	SDI	Groundwater	5000 ng/L	1x	5000	6000	120
3:3 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	1x	50000	45000	90
4:2 FTS	SPE	River Water	0 ng/L	1x	--	<2	--
4:2 FTS	SPE	River Water	10 ng/L	1x	10	10	100
4:2 FTS	SPE	River Water	50 ng/L	1x	50	49	98
4:2 FTS	SPE	River Water	400 ng/L	1x	400	420	105
4:2 FTS	SPE	Groundwater	0 ng/L	1x	--	<2	--
4:2 FTS	SPE	Groundwater	400 ng/L	1x	400	400	100
4:2 FTS	SDI	River Water	400 ng/L	1x	400	370	93
4:2 FTS	SDI	River Water	5000 ng/L	1x	5000	4500	90
4:2 FTS	SDI	River Water	50000 ng/L	1x	50000	39000	78
4:2 FTS	SDI	Groundwater	400 ng/L	1x	400	360	90
4:2 FTS	SDI	Groundwater	5000 ng/L	1x	5000	4800	96
4:2 FTS	SDI	Groundwater	50000 ng/L	1x	50000	44000	88
5:3 Fluorotelomer carboxylic acid	SPE	River Water	0 ng/L	1x	--	<2	--
5:3 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	1x	10	10	100
5:3 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	1x	50	56	112
5:3 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	1x	400	420	105
5:3 Fluorotelomer carboxylic acid	SPE	Groundwater	0 ng/L	1x	--	<2	--
5:3 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	1x	400	420	105
5:3 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	1x	400	440	110
5:3 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	1x	5000	5700	114
5:3 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	1x	50000	44000	88
5:3 Fluorotelomer carboxylic acid	SDI	Groundwater	400 ng/L	1x	400	390	98
5:3 Fluorotelomer carboxylic acid	SDI	Groundwater	5000 ng/L	1x	5000	5300	106
5:3 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	1x	50000	42000	84
6:2 Fluorotelemer unsaturated acid	SPE	River Water	0 ng/L	1x	--	<2	--
6:2 Fluorotelemer unsaturated acid	SPE	River Water	10 ng/L	1x	10	11	110
6:2 Fluorotelemer unsaturated acid	SPE	River Water	50 ng/L	1x	50	63	126
6:2 Fluorotelemer unsaturated acid	SPE	River Water	400 ng/L	1x	400	520	130
6:2 Fluorotelemer unsaturated acid	SPE	Groundwater	0 ng/L	1x	--	<2	--
6:2 Fluorotelemer unsaturated acid	SPE	Groundwater	400 ng/L	1x	400	370	93
6:2 Fluorotelemer unsaturated acid	SDI	River Water	400 ng/L	1x	400	530	133
6:2 Fluorotelemer unsaturated acid	SDI	River Water	5000 ng/L	1x	5000	5700	114
6:2 Fluorotelemer unsaturated acid	SDI	River Water	50000 ng/L	1x	50000	45000	90
6:2 Fluorotelemer unsaturated acid	SDI	Groundwater	400 ng/L	1x	400	510	128
6:2 Fluorotelemer unsaturated acid	SDI	Groundwater	5000 ng/L	1x	5000	5900	118
6:2 Fluorotelemer unsaturated acid	SDI	Groundwater	50000 ng/L	1x	50000	42000	84
6:2 Fluorotelomer carboxylic acid	SPE	River Water	0 ng/L	1x	--	<2	--
6:2 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	1x	10	8.8	88
6:2 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	1x	50	54	108
6:2 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	1x	400	460	115
6:2 Fluorotelomer carboxylic acid	SPE	Groundwater	0 ng/L	1x	--	<2	--
6:2 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	1x	400	530	133
6:2 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	1x	400	390	98
6:2 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	1x	5000	5400	108
6:2 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	1x	50000	51000	102
6:2 Fluorotelomer carboxylic acid	SDI	Groundwater	400 ng/L	1x	400	420	105
6:2 Fluorotelomer carboxylic acid	SDI	Groundwater	5000 ng/L	1x	5000	4700	94
6:2 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	1x	50000	48000	96
6:2 FTS	SPE	River Water	0 ng/L	1x	--	<5	--
6:2 FTS	SPE	River Water	10 ng/L	1x	10	11	110

**TABLE A3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
6:2 FTS	SPE	River Water	50 ng/L	1x	50	59	118
6:2 FTS	SPE	River Water	400 ng/L	1x	400	450	113
6:2 FTS	SPE	Groundwater	0 ng/L	1x	--	<5	--
6:2 FTS	SPE	Groundwater	400 ng/L	1x	400	430	108
6:2 FTS	SDI	River Water	400 ng/L	1x	400	420	105
6:2 FTS	SDI	River Water	5000 ng/L	1x	5000	5400	108
6:2 FTS	SDI	River Water	50000 ng/L	1x	50000	45000	90
6:2 FTS	SDI	Groundwater	400 ng/L	1x	400	410	103
6:2 FTS	SDI	Groundwater	5000 ng/L	1x	5000	5100	102
6:2 FTS	SDI	Groundwater	50000 ng/L	1x	50000	51000	102
7:3 Fluorotelomer carboxylic acid	SPE	River Water	0 ng/L	1x	--	<2	--
7:3 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	1x	10	11	110
7:3 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	1x	50	48	96
7:3 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	1x	400	350	88
7:3 Fluorotelomer carboxylic acid	SPE	Groundwater	0 ng/L	1x	--	<2	--
7:3 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	1x	400	310	78
7:3 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	1x	400	290	73
7:3 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	1x	5000	3900	78
7:3 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	1x	50000	38000	76
7:3 Fluorotelomer carboxylic acid	SDI	Groundwater	400 ng/L	1x	400	310	78
7:3 Fluorotelomer carboxylic acid	SDI	Groundwater	5000 ng/L	1x	5000	2600	52
7:3 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	1x	50000	30000	60
8:2 Fluorotelemer unsaturated acid	SPE	River Water	0 ng/L	1x	--	<2	--
8:2 Fluorotelemer unsaturated acid	SPE	River Water	10 ng/L	1x	10	11	110
8:2 Fluorotelemer unsaturated acid	SPE	River Water	50 ng/L	1x	50	63	126
8:2 Fluorotelemer unsaturated acid	SPE	River Water	400 ng/L	1x	400	530	133
8:2 Fluorotelemer unsaturated acid	SPE	Groundwater	0 ng/L	1x	--	<2	--
8:2 Fluorotelemer unsaturated acid	SPE	Groundwater	400 ng/L	1x	400	430	108
8:2 Fluorotelemer unsaturated acid	SDI	River Water	400 ng/L	1x	400	380	95
8:2 Fluorotelemer unsaturated acid	SDI	River Water	5000 ng/L	1x	5000	4600	92
8:2 Fluorotelemer unsaturated acid	SDI	River Water	50000 ng/L	1x	50000	43000	86
8:2 Fluorotelemer unsaturated acid	SDI	Groundwater	400 ng/L	1x	400	390	98
8:2 Fluorotelemer unsaturated acid	SDI	Groundwater	5000 ng/L	1x	5000	4100	82
8:2 Fluorotelemer unsaturated acid	SDI	Groundwater	50000 ng/L	1x	50000	43000	86
8:2 Fluorotelomer carboxylic acid	SPE	River Water	0 ng/L	1x	--	<2	--
8:2 Fluorotelomer carboxylic acid	SPE	River Water	10 ng/L	1x	10	10	100
8:2 Fluorotelomer carboxylic acid	SPE	River Water	50 ng/L	1x	50	70	140
8:2 Fluorotelomer carboxylic acid	SPE	River Water	400 ng/L	1x	400	570	143
8:2 Fluorotelomer carboxylic acid	SPE	Groundwater	0 ng/L	1x	--	<2	--
8:2 Fluorotelomer carboxylic acid	SPE	Groundwater	400 ng/L	1x	400	540	135
8:2 Fluorotelomer carboxylic acid	SDI	River Water	400 ng/L	1x	400	350	88
8:2 Fluorotelomer carboxylic acid	SDI	River Water	5000 ng/L	1x	5000	5400	108
8:2 Fluorotelomer carboxylic acid	SDI	River Water	50000 ng/L	1x	50000	52000	104
8:2 Fluorotelomer carboxylic acid	SDI	Groundwater	400 ng/L	1x	400	410	103
8:2 Fluorotelomer carboxylic acid	SDI	Groundwater	5000 ng/L	1x	5000	3800	76
8:2 Fluorotelomer carboxylic acid	SDI	Groundwater	50000 ng/L	1x	50000	48000	96
8:2 FTS	SPE	River Water	0 ng/L	1x	--	<2	--
8:2 FTS	SPE	River Water	10 ng/L	1x	10	11	110
8:2 FTS	SPE	River Water	50 ng/L	1x	50	58	116
8:2 FTS	SPE	River Water	400 ng/L	1x	400	460	115
8:2 FTS	SPE	Groundwater	0 ng/L	1x	--	<2	--
8:2 FTS	SPE	Groundwater	400 ng/L	1x	400	460	115
8:2 FTS	SDI	River Water	400 ng/L	1x	400	270	68
8:2 FTS	SDI	River Water	5000 ng/L	1x	5000	3800	76
8:2 FTS	SDI	River Water	50000 ng/L	1x	50000	42000	84

**TABLE A3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
8:2 FTS	SDI	Groundwater	400 ng/L	1x	400	410	103
8:2 FTS	SDI	Groundwater	5000 ng/L	1x	5000	3100	62
8:2 FTS	SDI	Groundwater	50000 ng/L	1x	50000	39000	78
9CI-PF3ONS	SPE	River Water	0 ng/L	1x	--	<2	--
9CI-PF3ONS	SPE	River Water	10 ng/L	1x	10	11	110
9CI-PF3ONS	SPE	River Water	50 ng/L	1x	50	60	120
9CI-PF3ONS	SPE	River Water	400 ng/L	1x	400	480	120
9CI-PF3ONS	SPE	Groundwater	0 ng/L	1x	--	<2	--
9CI-PF3ONS	SPE	Groundwater	400 ng/L	1x	400	440	110
9CI-PF3ONS	SDI	River Water	400 ng/L	1x	400	270	68
9CI-PF3ONS	SDI	River Water	5000 ng/L	1x	5000	3900	78
9CI-PF3ONS	SDI	River Water	50000 ng/L	1x	50000	42000	84
9CI-PF3ONS	SDI	Groundwater	400 ng/L	1x	400	390	98
9CI-PF3ONS	SDI	Groundwater	5000 ng/L	1x	5000	3300	66
9CI-PF3ONS	SDI	Groundwater	50000 ng/L	1x	50000	40000	80
DONA	SPE	River Water	0 ng/L	1x	--	<2	--
DONA	SPE	River Water	10 ng/L	1x	10	11	110
DONA	SPE	River Water	50 ng/L	1x	50	56	112
DONA	SPE	River Water	400 ng/L	1x	400	440	110
DONA	SPE	Groundwater	0 ng/L	1x	--	<2	--
DONA	SPE	Groundwater	400 ng/L	1x	400	460	115
DONA	SDI	River Water	400 ng/L	1x	400	470	118
DONA	SDI	River Water	5000 ng/L	1x	5000	5500	110
DONA	SDI	River Water	50000 ng/L	1x	50000	45000	90
DONA	SDI	Groundwater	400 ng/L	1x	400	410	103
DONA	SDI	Groundwater	5000 ng/L	1x	5000	5200	104
DONA	SDI	Groundwater	50000 ng/L	1x	50000	46000	92
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	0 ng/L	1x	--	<5	--
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	10 ng/L	1x	10	10	100
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	50 ng/L	1x	50	60	120
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	400 ng/L	1x	400	390	98
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	Groundwater	0 ng/L	1x	--	<5	--
N-ethyl perfluorooctane sulfonamidoacetic acid	SPE	Groundwater	400 ng/L	1x	400	400	100
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	400 ng/L	1x	400	190	48
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	5000 ng/L	1x	5000	2500	50
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	50000 ng/L	1x	50000	32000	64
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	Groundwater	400 ng/L	1x	400	290	73
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	Groundwater	5000 ng/L	1x	5000	1700	34
N-ethyl perfluorooctane sulfonamidoacetic acid	SDI	Groundwater	50000 ng/L	1x	50000	25000	50
N-ethylperfluoro-1-octanesulfonamide	SPE	River Water	0 ng/L	1x	--	<2	--
N-ethylperfluoro-1-octanesulfonamide	SPE	River Water	10 ng/L	1x	10	7.8	78
N-ethylperfluoro-1-octanesulfonamide	SPE	River Water	50 ng/L	1x	50	43	86
N-ethylperfluoro-1-octanesulfonamide	SPE	River Water	400 ng/L	1x	400	210	53
N-ethylperfluoro-1-octanesulfonamide	SPE	Groundwater	0 ng/L	1x	--	<2	--
N-ethylperfluoro-1-octanesulfonamide	SPE	Groundwater	400 ng/L	1x	400	350	88
N-ethylperfluoro-1-octanesulfonamide	SDI	River Water	400 ng/L	1x	400	140	35
N-ethylperfluoro-1-octanesulfonamide	SDI	River Water	5000 ng/L	1x	5000	1900	38
N-ethylperfluoro-1-octanesulfonamide	SDI	River Water	50000 ng/L	1x	50000	20000	40
N-ethylperfluoro-1-octanesulfonamide	SDI	Groundwater	400 ng/L	1x	400	290	73
N-ethylperfluoro-1-octanesulfonamide	SDI	Groundwater	5000 ng/L	1x	5000	1600	32
N-ethylperfluoro-1-octanesulfonamide	SDI	Groundwater	50000 ng/L	1x	50000	20000	40
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	0 ng/L	1x	--	<5	--
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	10 ng/L	1x	10	12	120
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	50 ng/L	1x	50	50	100
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	River Water	400 ng/L	1x	400	420	105

**TABLE A3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	Groundwater	0 ng/L	1x	--	<5	--
N-methyl perfluorooctane sulfonamidoacetic acid	SPE	Groundwater	400 ng/L	1x	400	350	88
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	400 ng/L	1x	400	210	53
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	5000 ng/L	1x	5000	2900	58
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	River Water	50000 ng/L	1x	50000	31000	62
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	Groundwater	400 ng/L	1x	400	300	75
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	Groundwater	5000 ng/L	1x	5000	1800	36
N-methyl perfluorooctane sulfonamidoacetic acid	SDI	Groundwater	50000 ng/L	1x	50000	26000	52
NEtFOSE	SPE	River Water	0 ng/L	1x	--	<2	--
NEtFOSE	SPE	River Water	10 ng/L	1x	10	8.2	82
NEtFOSE	SPE	River Water	50 ng/L	1x	50	38	76
NEtFOSE	SPE	River Water	400 ng/L	1x	400	180	45
NEtFOSE	SPE	Groundwater	0 ng/L	1x	--	<2	--
NEtFOSE	SPE	Groundwater	400 ng/L	1x	400	350	88
NEtFOSE	SDI	River Water	400 ng/L	1x	400	190	48
NEtFOSE	SDI	River Water	5000 ng/L	1x	5000	2200	44
NEtFOSE	SDI	River Water	50000 ng/L	1x	50000	24000	48
NEtFOSE	SDI	Groundwater	400 ng/L	1x	400	290	73
NEtFOSE	SDI	Groundwater	5000 ng/L	1x	5000	1800	36
NEtFOSE	SDI	Groundwater	50000 ng/L	1x	50000	28000	56
NMeFOSA	SPE	River Water	0 ng/L	1x	--	<2	--
NMeFOSA	SPE	River Water	10 ng/L	1x	10	8.8	88
NMeFOSA	SPE	River Water	50 ng/L	1x	50	44	88
NMeFOSA	SPE	River Water	400 ng/L	1x	400	250	63
NMeFOSA	SPE	Groundwater	0 ng/L	1x	--	<2	--
NMeFOSA	SPE	Groundwater	400 ng/L	1x	400	370	93
NMeFOSA	SDI	River Water	400 ng/L	1x	400	140	35
NMeFOSA	SDI	River Water	5000 ng/L	1x	5000	1900	38
NMeFOSA	SDI	River Water	50000 ng/L	1x	50000	19000	38
NMeFOSA	SDI	Groundwater	400 ng/L	1x	400	270	68
NMeFOSA	SDI	Groundwater	5000 ng/L	1x	5000	1500	30
NMeFOSA	SDI	Groundwater	50000 ng/L	1x	50000	22000	44
NMeFOSE	SPE	River Water	0 ng/L	1x	--	<4	--
NMeFOSE	SPE	River Water	10 ng/L	1x	10	7.7	77
NMeFOSE	SPE	River Water	50 ng/L	1x	50	41	82
NMeFOSE	SPE	River Water	400 ng/L	1x	400	210	53
NMeFOSE	SPE	Groundwater	0 ng/L	1x	--	<4	--
NMeFOSE	SPE	Groundwater	400 ng/L	1x	400	370	93
NMeFOSE	SDI	River Water	400 ng/L	1x	400	200	50
NMeFOSE	SDI	River Water	5000 ng/L	1x	5000	2100	42
NMeFOSE	SDI	River Water	50000 ng/L	1x	50000	27000	54
NMeFOSE	SDI	Groundwater	400 ng/L	1x	400	260	65
NMeFOSE	SDI	Groundwater	5000 ng/L	1x	5000	1800	36
NMeFOSE	SDI	Groundwater	50000 ng/L	1x	50000	28000	56
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	River Water	0 ng/L	1x	--	<2	--
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	River Water	10 ng/L	1x	10	9.3	93
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	River Water	50 ng/L	1x	50	47	94
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	River Water	400 ng/L	1x	400	390	98
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	Groundwater	0 ng/L	1x	--	<2	--
Perfluoro-4-ethylcyclohexanesulfonic acid	SPE	Groundwater	400 ng/L	1x	400	350	88
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	River Water	400 ng/L	1x	400	340	85
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	River Water	5000 ng/L	1x	5000	4600	92
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	River Water	50000 ng/L	1x	50000	39000	78
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	Groundwater	400 ng/L	1x	400	350	88
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	Groundwater	5000 ng/L	1x	5000	4700	94



**TABLE A3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
Perfluoro-4-ethylcyclohexanesulfonic acid	SDI	Groundwater	50000 ng/L	1x	50000	38000	76
Perfluorobutane Sulfonic Acid	SPE	River Water	0 ng/L	1x	--	2.2	--
Perfluorobutane Sulfonic Acid	SPE	River Water	10 ng/L	1x	12.2	12	98
Perfluorobutane Sulfonic Acid	SPE	River Water	50 ng/L	1x	52.2	55	105
Perfluorobutane Sulfonic Acid	SPE	River Water	400 ng/L	1x	402.2	360	90
Perfluorobutane Sulfonic Acid	SPE	Groundwater	0 ng/L	1x	--	2.3	--
Perfluorobutane Sulfonic Acid	SPE	Groundwater	400 ng/L	1x	402.3	400	99
Perfluorobutane Sulfonic Acid	SDI	River Water	400 ng/L	1x	402.2	380	94
Perfluorobutane Sulfonic Acid	SDI	River Water	5000 ng/L	1x	5002.2	4800	96
Perfluorobutane Sulfonic Acid	SDI	River Water	50000 ng/L	1x	50002.2	41000	82
Perfluorobutane Sulfonic Acid	SDI	Groundwater	400 ng/L	1x	402.3	360	89
Perfluorobutane Sulfonic Acid	SDI	Groundwater	5000 ng/L	1x	5002.3	5100	102
Perfluorobutane Sulfonic Acid	SDI	Groundwater	50000 ng/L	1x	50002.3	42000	84
Perfluorobutanoic Acid	SPE	River Water	0 ng/L	1x	--	<5	--
Perfluorobutanoic Acid	SPE	River Water	10 ng/L	1x	10	12	120
Perfluorobutanoic Acid	SPE	River Water	50 ng/L	1x	50	58	116
Perfluorobutanoic Acid	SPE	River Water	400 ng/L	1x	400	450	113
Perfluorobutanoic Acid	SPE	Groundwater	0 ng/L	1x	--	21	--
Perfluorobutanoic Acid	SPE	Groundwater	400 ng/L	1x	421	460	109
Perfluorobutanoic Acid	SDI	River Water	400 ng/L	1x	400	410	103
Perfluorobutanoic Acid	SDI	River Water	5000 ng/L	1x	5000	5600	112
Perfluorobutanoic Acid	SDI	River Water	50000 ng/L	1x	50000	48000	96
Perfluorobutanoic Acid	SDI	Groundwater	400 ng/L	1x	421	420	100
Perfluorobutanoic Acid	SDI	Groundwater	5000 ng/L	1x	5021	5600	112
Perfluorobutanoic Acid	SDI	Groundwater	50000 ng/L	1x	50021	46000	92
Perfluorodecane Sulfonic Acid	SPE	River Water	0 ng/L	1x	--	<2	--
Perfluorodecane Sulfonic Acid	SPE	River Water	10 ng/L	1x	10	9.7	97
Perfluorodecane Sulfonic Acid	SPE	River Water	50 ng/L	1x	50	50	100
Perfluorodecane Sulfonic Acid	SPE	River Water	400 ng/L	1x	400	370	93
Perfluorodecane Sulfonic Acid	SPE	Groundwater	0 ng/L	1x	--	<2	--
Perfluorodecane Sulfonic Acid	SPE	Groundwater	400 ng/L	1x	400	470	118
Perfluorodecane Sulfonic Acid	SDI	River Water	400 ng/L	1x	400	170	43
Perfluorodecane Sulfonic Acid	SDI	River Water	5000 ng/L	1x	5000	2500	50
Perfluorodecane Sulfonic Acid	SDI	River Water	50000 ng/L	1x	50000	37000	74
Perfluorodecane Sulfonic Acid	SDI	Groundwater	400 ng/L	1x	400	320	80
Perfluorodecane Sulfonic Acid	SDI	Groundwater	5000 ng/L	1x	5000	1800	36
Perfluorodecane Sulfonic Acid	SDI	Groundwater	50000 ng/L	1x	50000	33000	66
Perfluorodecanoic Acid	SPE	River Water	0 ng/L	1x	--	<2	--
Perfluorodecanoic Acid	SPE	River Water	10 ng/L	1x	10	14	140
Perfluorodecanoic Acid	SPE	River Water	50 ng/L	1x	50	65	130
Perfluorodecanoic Acid	SPE	River Water	400 ng/L	1x	400	530	133
Perfluorodecanoic Acid	SPE	Groundwater	0 ng/L	1x	--	2.8	--
Perfluorodecanoic Acid	SPE	Groundwater	400 ng/L	1x	402.8	460	114
Perfluorodecanoic Acid	SDI	River Water	400 ng/L	1x	400	290	73
Perfluorodecanoic Acid	SDI	River Water	5000 ng/L	1x	5000	4000	80
Perfluorodecanoic Acid	SDI	River Water	50000 ng/L	1x	50000	42000	84
Perfluorodecanoic Acid	SDI	Groundwater	400 ng/L	1x	402.8	400	99
Perfluorodecanoic Acid	SDI	Groundwater	5000 ng/L	1x	5002.8	3100	62
Perfluorodecanoic Acid	SDI	Groundwater	50000 ng/L	1x	50002.8	40000	80
Perfluorododecane sulfonic acid (PFDoS)	SPE	River Water	0 ng/L	1x	--	<2	--
Perfluorododecane sulfonic acid (PFDoS)	SPE	River Water	10 ng/L	1x	10	6.7	67
Perfluorododecane sulfonic acid (PFDoS)	SPE	River Water	50 ng/L	1x	50	32	64
Perfluorododecane sulfonic acid (PFDoS)	SPE	River Water	400 ng/L	1x	400	190	48
Perfluorododecane sulfonic acid (PFDoS)	SPE	Groundwater	0 ng/L	1x	--	<2	--
Perfluorododecane sulfonic acid (PFDoS)	SPE	Groundwater	400 ng/L	1x	400	430	108

**TABLE A3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
Perfluorododecane sulfonic acid (PFDoS)	SDI	River Water	400 ng/L	1x	400	260	65
Perfluorododecane sulfonic acid (PFDoS)	SDI	River Water	5000 ng/L	1x	5000	2600	52
Perfluorododecane sulfonic acid (PFDoS)	SDI	River Water	50000 ng/L	1x	50000	26000	52
Perfluorododecane sulfonic acid (PFDoS)	SDI	Groundwater	400 ng/L	1x	400	310	78
Perfluorododecane sulfonic acid (PFDoS)	SDI	Groundwater	5000 ng/L	1x	5000	2500	50
Perfluorododecane sulfonic acid (PFDoS)	SDI	Groundwater	50000 ng/L	1x	50000	29000	58
Perfluorododecanoic Acid	SPE	River Water	0 ng/L	1x	--	<2	--
Perfluorododecanoic Acid	SPE	River Water	10 ng/L	1x	10	11	110
Perfluorododecanoic Acid	SPE	River Water	50 ng/L	1x	50	59	118
Perfluorododecanoic Acid	SPE	River Water	400 ng/L	1x	400	370	93
Perfluorododecanoic Acid	SPE	Groundwater	0 ng/L	1x	--	<2	--
Perfluorododecanoic Acid	SPE	Groundwater	400 ng/L	1x	400	410	103
Perfluorododecanoic Acid	SDI	River Water	400 ng/L	1x	400	180	45
Perfluorododecanoic Acid	SDI	River Water	5000 ng/L	1x	5000	2700	54
Perfluorododecanoic Acid	SDI	River Water	50000 ng/L	1x	50000	26000	52
Perfluorododecanoic Acid	SDI	Groundwater	400 ng/L	1x	400	320	80
Perfluorododecanoic Acid	SDI	Groundwater	5000 ng/L	1x	5000	1800	36
Perfluorododecanoic Acid	SDI	Groundwater	50000 ng/L	1x	50000	26000	52
Perfluoroheptane sulfonic acid (PFHpS)	SPE	River Water	0 ng/L	1x	--	<2	--
Perfluoroheptane sulfonic acid (PFHpS)	SPE	River Water	10 ng/L	1x	10	13	130
Perfluoroheptane sulfonic acid (PFHpS)	SPE	River Water	50 ng/L	1x	50	64	128
Perfluoroheptane sulfonic acid (PFHpS)	SPE	River Water	400 ng/L	1x	400	540	135
Perfluoroheptane sulfonic acid (PFHpS)	SPE	Groundwater	0 ng/L	1x	--	<2	--
Perfluoroheptane sulfonic acid (PFHpS)	SPE	Groundwater	400 ng/L	1x	400	480	120
Perfluoroheptane sulfonic acid (PFHpS)	SDI	River Water	400 ng/L	1x	400	450	113
Perfluoroheptane sulfonic acid (PFHpS)	SDI	River Water	5000 ng/L	1x	5000	5100	102
Perfluoroheptane sulfonic acid (PFHpS)	SDI	River Water	50000 ng/L	1x	50000	48000	96
Perfluoroheptane sulfonic acid (PFHpS)	SDI	Groundwater	400 ng/L	1x	400	400	100
Perfluoroheptane sulfonic acid (PFHpS)	SDI	Groundwater	5000 ng/L	1x	5000	4900	98
Perfluoroheptane sulfonic acid (PFHpS)	SDI	Groundwater	50000 ng/L	1x	50000	48000	96
Perfluoroheptanoic Acid	SPE	River Water	0 ng/L	1x	--	2.1	--
Perfluoroheptanoic Acid	SPE	River Water	10 ng/L	1x	12.1	13	107
Perfluoroheptanoic Acid	SPE	River Water	50 ng/L	1x	52.1	57	109
Perfluoroheptanoic Acid	SPE	River Water	400 ng/L	1x	402.1	420	104
Perfluoroheptanoic Acid	SPE	Groundwater	0 ng/L	1x	--	20	--
Perfluoroheptanoic Acid	SPE	Groundwater	400 ng/L	1x	420	440	105
Perfluoroheptanoic Acid	SDI	River Water	400 ng/L	1x	402.1	470	117
Perfluoroheptanoic Acid	SDI	River Water	5000 ng/L	1x	5002.1	5700	114
Perfluoroheptanoic Acid	SDI	River Water	50000 ng/L	1x	50002.1	46000	92
Perfluoroheptanoic Acid	SDI	Groundwater	400 ng/L	1x	420	420	100
Perfluoroheptanoic Acid	SDI	Groundwater	5000 ng/L	1x	5020	5300	106
Perfluoroheptanoic Acid	SDI	Groundwater	50000 ng/L	1x	50020	46000	92
Perfluorohexadecanoic acid (PFHxDA)	SPE	River Water	0 ng/L	1x	--	<2	--
Perfluorohexadecanoic acid (PFHxDA)	SPE	River Water	10 ng/L	1x	10	9.8	98
Perfluorohexadecanoic acid (PFHxDA)	SPE	River Water	50 ng/L	1x	50	54	108
Perfluorohexadecanoic acid (PFHxDA)	SPE	River Water	400 ng/L	1x	400	340	85
Perfluorohexadecanoic acid (PFHxDA)	SPE	Groundwater	0 ng/L	1x	--	<2	--
Perfluorohexadecanoic acid (PFHxDA)	SPE	Groundwater	400 ng/L	1x	400	380	95
Perfluorohexadecanoic acid (PFHxDA)	SDI	River Water	400 ng/L	1x	400	360	90
Perfluorohexadecanoic acid (PFHxDA)	SDI	River Water	5000 ng/L	1x	5000	5300	106
Perfluorohexadecanoic acid (PFHxDA)	SDI	River Water	50000 ng/L	1x	50000	43000	86
Perfluorohexadecanoic acid (PFHxDA)	SDI	Groundwater	400 ng/L	1x	400	390	98
Perfluorohexadecanoic acid (PFHxDA)	SDI	Groundwater	5000 ng/L	1x	5000	4000	80
Perfluorohexadecanoic acid (PFHxDA)	SDI	Groundwater	50000 ng/L	1x	50000	41000	82
Perfluorohexane Sulfonic Acid	SPE	River Water	0 ng/L	1x	--	3.1	--

**TABLE A3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
Perfluorohexane Sulfonic Acid	SPE	River Water	10 ng/L	1x	13.1	13	99
Perfluorohexane Sulfonic Acid	SPE	River Water	50 ng/L	1x	53.1	56	105
Perfluorohexane Sulfonic Acid	SPE	River Water	400 ng/L	1x	403.1	400	99
Perfluorohexane Sulfonic Acid	SPE	Groundwater	0 ng/L	1x	--	4.8	--
Perfluorohexane Sulfonic Acid	SPE	Groundwater	400 ng/L	1x	404.8	400	99
Perfluorohexane Sulfonic Acid	SDI	River Water	400 ng/L	1x	403.1	430	107
Perfluorohexane Sulfonic Acid	SDI	River Water	5000 ng/L	1x	5003.1	5100	102
Perfluorohexane Sulfonic Acid	SDI	River Water	50000 ng/L	1x	50003.1	42000	84
Perfluorohexane Sulfonic Acid	SDI	Groundwater	400 ng/L	1x	404.8	390	96
Perfluorohexane Sulfonic Acid	SDI	Groundwater	5000 ng/L	1x	5004.8	5200	104
Perfluorohexane Sulfonic Acid	SDI	Groundwater	50000 ng/L	1x	50004.8	41000	82
Perfluorohexanoic Acid	SPE	River Water	0 ng/L	1x	--	3.8	--
Perfluorohexanoic Acid	SPE	River Water	10 ng/L	1x	13.8	13	94
Perfluorohexanoic Acid	SPE	River Water	50 ng/L	1x	53.8	63	117
Perfluorohexanoic Acid	SPE	River Water	400 ng/L	1x	403.8	470	116
Perfluorohexanoic Acid	SPE	Groundwater	0 ng/L	1x	--	15	--
Perfluorohexanoic Acid	SPE	Groundwater	400 ng/L	1x	415	450	108
Perfluorohexanoic Acid	SDI	River Water	400 ng/L	1x	403.8	460	114
Perfluorohexanoic Acid	SDI	River Water	5000 ng/L	1x	5003.8	5500	110
Perfluorohexanoic Acid	SDI	River Water	50000 ng/L	1x	50003.8	46000	92
Perfluorohexanoic Acid	SDI	Groundwater	400 ng/L	1x	415	460	111
Perfluorohexanoic Acid	SDI	Groundwater	5000 ng/L	1x	5015	5400	108
Perfluorohexanoic Acid	SDI	Groundwater	50000 ng/L	1x	50015	46000	92
Perfluorononane sulfonic acid	SPE	River Water	0 ng/L	1x	--	<2	--
Perfluorononane sulfonic acid	SPE	River Water	10 ng/L	1x	10	11	110
Perfluorononane sulfonic acid	SPE	River Water	50 ng/L	1x	50	56	112
Perfluorononane sulfonic acid	SPE	River Water	400 ng/L	1x	400	520	130
Perfluorononane sulfonic acid	SPE	Groundwater	0 ng/L	1x	--	<2	--
Perfluorononane sulfonic acid	SPE	Groundwater	400 ng/L	1x	400	470	118
Perfluorononane sulfonic acid	SDI	River Water	400 ng/L	1x	400	200	50
Perfluorononane sulfonic acid	SDI	River Water	5000 ng/L	1x	5000	3000	60
Perfluorononane sulfonic acid	SDI	River Water	50000 ng/L	1x	50000	45000	90
Perfluorononane sulfonic acid	SDI	Groundwater	400 ng/L	1x	400	350	88
Perfluorononane sulfonic acid	SDI	Groundwater	5000 ng/L	1x	5000	2500	50
Perfluorononane sulfonic acid	SDI	Groundwater	50000 ng/L	1x	50000	41000	82
Perfluorononanoic Acid	SPE	River Water	0 ng/L	1x	--	<2	--
Perfluorononanoic Acid	SPE	River Water	10 ng/L	1x	10	12	120
Perfluorononanoic Acid	SPE	River Water	50 ng/L	1x	50	64	128
Perfluorononanoic Acid	SPE	River Water	400 ng/L	1x	400	550	138
Perfluorononanoic Acid	SPE	Groundwater	0 ng/L	1x	--	6.9	--
Perfluorononanoic Acid	SPE	Groundwater	400 ng/L	1x	406.9	450	111
Perfluorononanoic Acid	SDI	River Water	400 ng/L	1x	400	370	93
Perfluorononanoic Acid	SDI	River Water	5000 ng/L	1x	5000	4700	94
Perfluorononanoic Acid	SDI	River Water	50000 ng/L	1x	50000	43000	86
Perfluorononanoic Acid	SDI	Groundwater	400 ng/L	1x	406.9	410	101
Perfluorononanoic Acid	SDI	Groundwater	5000 ng/L	1x	5006.9	4400	88
Perfluorononanoic Acid	SDI	Groundwater	50000 ng/L	1x	50006.9	47000	94
Perfluorooctadecanoic acid	SPE	River Water	0 ng/L	1x	--	<2	--
Perfluorooctadecanoic acid	SPE	River Water	10 ng/L	1x	10	8	80
Perfluorooctadecanoic acid	SPE	River Water	50 ng/L	1x	50	43	86
Perfluorooctadecanoic acid	SPE	River Water	400 ng/L	1x	400	280	70
Perfluorooctadecanoic acid	SPE	Groundwater	0 ng/L	1x	--	<2	--
Perfluorooctadecanoic acid	SPE	Groundwater	400 ng/L	1x	400	350	88
Perfluorooctadecanoic acid	SDI	River Water	400 ng/L	1x	400	340	85
Perfluorooctadecanoic acid	SDI	River Water	5000 ng/L	1x	5000	4700	94

**TABLE A3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
Perfluorooctadecanoic acid	SDI	River Water	50000 ng/L	1x	50000	40000	80
Perfluorooctadecanoic acid	SDI	Groundwater	400 ng/L	1x	400	340	85
Perfluorooctadecanoic acid	SDI	Groundwater	5000 ng/L	1x	5000	3300	66
Perfluorooctadecanoic acid	SDI	Groundwater	50000 ng/L	1x	50000	35000	70
Perfluorooctane Sulfonamide	SPE	River Water	0 ng/L	1x	--	<2	--
Perfluorooctane Sulfonamide	SPE	River Water	10 ng/L	1x	10	12	120
Perfluorooctane Sulfonamide	SPE	River Water	50 ng/L	1x	50	64	128
Perfluorooctane Sulfonamide	SPE	River Water	400 ng/L	1x	400	530	133
Perfluorooctane Sulfonamide	SPE	Groundwater	0 ng/L	1x	--	<2	--
Perfluorooctane Sulfonamide	SPE	Groundwater	400 ng/L	1x	400	490	123
Perfluorooctane Sulfonamide	SDI	River Water	400 ng/L	1x	400	250	63
Perfluorooctane Sulfonamide	SDI	River Water	5000 ng/L	1x	5000	3400	68
Perfluorooctane Sulfonamide	SDI	River Water	50000 ng/L	1x	50000	41000	82
Perfluorooctane Sulfonamide	SDI	Groundwater	400 ng/L	1x	400	340	85
Perfluorooctane Sulfonamide	SDI	Groundwater	5000 ng/L	1x	5000	2200	44
Perfluorooctane Sulfonamide	SDI	Groundwater	50000 ng/L	1x	50000	32000	64
Perfluoropentane sulfonic acid (PFPeS)	SPE	River Water	0 ng/L	1x	--	<2	--
Perfluoropentane sulfonic acid (PFPeS)	SPE	River Water	10 ng/L	1x	10	11	110
Perfluoropentane sulfonic acid (PFPeS)	SPE	River Water	50 ng/L	1x	50	62	124
Perfluoropentane sulfonic acid (PFPeS)	SPE	River Water	400 ng/L	1x	400	390	98
Perfluoropentane sulfonic acid (PFPeS)	SPE	Groundwater	0 ng/L	1x	--	<2	--
Perfluoropentane sulfonic acid (PFPeS)	SPE	Groundwater	400 ng/L	1x	400	400	100
Perfluoropentane sulfonic acid (PFPeS)	SDI	River Water	400 ng/L	1x	400	350	88
Perfluoropentane sulfonic acid (PFPeS)	SDI	River Water	5000 ng/L	1x	5000	4700	94
Perfluoropentane sulfonic acid (PFPeS)	SDI	River Water	50000 ng/L	1x	50000	44000	88
Perfluoropentane sulfonic acid (PFPeS)	SDI	Groundwater	400 ng/L	1x	400	390	98
Perfluoropentane sulfonic acid (PFPeS)	SDI	Groundwater	5000 ng/L	1x	5000	5000	100
Perfluoropentane sulfonic acid (PFPeS)	SDI	Groundwater	50000 ng/L	1x	50000	44000	88
Perfluoropentanoic Acid	SPE	River Water	0 ng/L	1x	--	3.2	--
Perfluoropentanoic Acid	SPE	River Water	10 ng/L	1x	13.2	13	98
Perfluoropentanoic Acid	SPE	River Water	50 ng/L	1x	53.2	57	107
Perfluoropentanoic Acid	SPE	River Water	400 ng/L	1x	403.2	420	104
Perfluoropentanoic Acid	SPE	Groundwater	0 ng/L	1x	--	41	--
Perfluoropentanoic Acid	SPE	Groundwater	400 ng/L	1x	441	460	104
Perfluoropentanoic Acid	SDI	River Water	400 ng/L	1x	403.2	420	104
Perfluoropentanoic Acid	SDI	River Water	5000 ng/L	1x	5003.2	5100	102
Perfluoropentanoic Acid	SDI	River Water	50000 ng/L	1x	50003.2	46000	92
Perfluoropentanoic Acid	SDI	Groundwater	400 ng/L	1x	441	460	104
Perfluoropentanoic Acid	SDI	Groundwater	5000 ng/L	1x	5041	5300	105
Perfluoropentanoic Acid	SDI	Groundwater	50000 ng/L	1x	50041	44000	88
Perfluoropropanesulfonic acid	SPE	River Water	0 ng/L	1x	--	2.5	--
Perfluoropropanesulfonic acid	SPE	River Water	10 ng/L	1x	12.5	11	88
Perfluoropropanesulfonic acid	SPE	River Water	50 ng/L	1x	52.5	51	97
Perfluoropropanesulfonic acid	SPE	River Water	400 ng/L	1x	402.5	380	94
Perfluoropropanesulfonic acid	SPE	Groundwater	0 ng/L	1x	--	<2	--
Perfluoropropanesulfonic acid	SPE	Groundwater	400 ng/L	1x	400	380	95
Perfluoropropanesulfonic acid	SDI	River Water	400 ng/L	1x	402.5	360	89
Perfluoropropanesulfonic acid	SDI	River Water	5000 ng/L	1x	5002.5	4800	96
Perfluoropropanesulfonic acid	SDI	River Water	50000 ng/L	1x	50002.5	40000	80
Perfluoropropanesulfonic acid	SDI	Groundwater	400 ng/L	1x	400	360	90
Perfluoropropanesulfonic acid	SDI	Groundwater	5000 ng/L	1x	5000	5200	104
Perfluoropropanesulfonic acid	SDI	Groundwater	50000 ng/L	1x	50000	37000	74
Perfluorotetradecanoic Acid	SPE	River Water	0 ng/L	1x	--	<2	--
Perfluorotetradecanoic Acid	SPE	River Water	10 ng/L	1x	10	8.8	88
Perfluorotetradecanoic Acid	SPE	River Water	50 ng/L	1x	50	46	92

**TABLE A3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
Perfluorotetradecanoic Acid	SPE	River Water	400 ng/L	1x	400	240	60
Perfluorotetradecanoic Acid	SPE	Groundwater	0 ng/L	1x	--	<2	--
Perfluorotetradecanoic Acid	SPE	Groundwater	400 ng/L	1x	400	400	100
Perfluorotetradecanoic Acid	SDI	River Water	400 ng/L	1x	400	250	63
Perfluorotetradecanoic Acid	SDI	River Water	5000 ng/L	1x	5000	3100	62
Perfluorotetradecanoic Acid	SDI	River Water	50000 ng/L	1x	50000	30000	60
Perfluorotetradecanoic Acid	SDI	Groundwater	400 ng/L	1x	400	350	88
Perfluorotetradecanoic Acid	SDI	Groundwater	5000 ng/L	1x	5000	3500	70
Perfluorotetradecanoic Acid	SDI	Groundwater	50000 ng/L	1x	50000	34000	68
Perfluorotridecanoic Acid	SPE	River Water	0 ng/L	1x	--	<2	--
Perfluorotridecanoic Acid	SPE	River Water	10 ng/L	1x	10	8.5	85
Perfluorotridecanoic Acid	SPE	River Water	50 ng/L	1x	50	44	88
Perfluorotridecanoic Acid	SPE	River Water	400 ng/L	1x	400	260	65
Perfluorotridecanoic Acid	SPE	Groundwater	0 ng/L	1x	--	<2	--
Perfluorotridecanoic Acid	SPE	Groundwater	400 ng/L	1x	400	400	100
Perfluorotridecanoic Acid	SDI	River Water	400 ng/L	1x	400	200	50
Perfluorotridecanoic Acid	SDI	River Water	5000 ng/L	1x	5000	2400	48
Perfluorotridecanoic Acid	SDI	River Water	50000 ng/L	1x	50000	27000	54
Perfluorotridecanoic Acid	SDI	Groundwater	400 ng/L	1x	400	340	85
Perfluorotridecanoic Acid	SDI	Groundwater	5000 ng/L	1x	5000	2400	48
Perfluorotridecanoic Acid	SDI	Groundwater	50000 ng/L	1x	50000	29000	58
Perfluoroundecanoic Acid	SPE	River Water	0 ng/L	1x	--	<2	--
Perfluoroundecanoic Acid	SPE	River Water	10 ng/L	1x	10	11	110
Perfluoroundecanoic Acid	SPE	River Water	50 ng/L	1x	50	59	118
Perfluoroundecanoic Acid	SPE	River Water	400 ng/L	1x	400	450	113
Perfluoroundecanoic Acid	SPE	Groundwater	0 ng/L	1x	--	<2	--
Perfluoroundecanoic Acid	SPE	Groundwater	400 ng/L	1x	400	410	103
Perfluoroundecanoic Acid	SDI	River Water	400 ng/L	1x	400	210	53
Perfluoroundecanoic Acid	SDI	River Water	5000 ng/L	1x	5000	3200	64
Perfluoroundecanoic Acid	SDI	River Water	50000 ng/L	1x	50000	37000	74
Perfluoroundecanoic Acid	SDI	Groundwater	400 ng/L	1x	400	370	93
Perfluoroundecanoic Acid	SDI	Groundwater	5000 ng/L	1x	5000	2000	40
Perfluoroundecanoic Acid	SDI	Groundwater	50000 ng/L	1x	50000	33000	66
PFECA-A	SPE	River Water	0 ng/L	1x	--	<2	--
PFECA-A	SPE	River Water	10 ng/L	1x	10	10	100
PFECA-A	SPE	River Water	50 ng/L	1x	50	56	112
PFECA-A	SPE	River Water	400 ng/L	1x	400	450	113
PFECA-A	SPE	Groundwater	0 ng/L	1x	--	<2	--
PFECA-A	SPE	Groundwater	400 ng/L	1x	400	450	113
PFECA-A	SDI	River Water	400 ng/L	1x	400	430	108
PFECA-A	SDI	River Water	5000 ng/L	1x	5000	5300	106
PFECA-A	SDI	River Water	50000 ng/L	1x	50000	50000	100
PFECA-A	SDI	Groundwater	400 ng/L	1x	400	400	100
PFECA-A	SDI	Groundwater	5000 ng/L	1x	5000	5300	106
PFECA-A	SDI	Groundwater	50000 ng/L	1x	50000	48000	96
PFECA-F	SPE	River Water	0 ng/L	1x	--	<2	--
PFECA-F	SPE	River Water	10 ng/L	1x	10	9.6	96
PFECA-F	SPE	River Water	50 ng/L	1x	50	51	102
PFECA-F	SPE	River Water	400 ng/L	1x	400	430	108
PFECA-F	SPE	Groundwater	0 ng/L	1x	--	15	--
PFECA-F	SPE	Groundwater	400 ng/L	1x	415	460	111
PFECA-F	SDI	River Water	400 ng/L	1x	400	440	110
PFECA-F	SDI	River Water	5000 ng/L	1x	5000	5300	106
PFECA-F	SDI	River Water	50000 ng/L	1x	50000	50000	100
PFECA-F	SDI	Groundwater	400 ng/L	1x	415	410	99

**TABLE A3**  
**MEASURED VERSUS EXPECTED CONCENTRATIONS FOR NON-TABLE 3+ PFAS**  
**Chemours Fayetteville Works, North Carolina**

Compound	Sample Preparation	Water Type	Amendment	Dilution	Expected Concentration (ng/L)	Measured Concentration (ng/L)	Percent of Expected Concentration (%)
PFECA-F	SDI	Groundwater	5000 ng/L	1x	5015	5200	104
PFECA-F	SDI	Groundwater	50000 ng/L	1x	50015	49000	98
PFOA	SPE	River Water	0 ng/L	1x	--	4.3	--
PFOA	SPE	River Water	10 ng/L	1x	14.3	16	112
PFOA	SPE	River Water	50 ng/L	1x	54.3	60	110
PFOA	SPE	River Water	400 ng/L	1x	404.3	470	116
PFOA	SPE	Groundwater	0 ng/L	1x	--	38	--
PFOA	SPE	Groundwater	400 ng/L	1x	438	470	107
PFOA	SDI	River Water	400 ng/L	1x	404.3	440	109
PFOA	SDI	River Water	5000 ng/L	1x	5004.3	5300	106
PFOA	SDI	River Water	50000 ng/L	1x	50004.3	47000	94
PFOA	SDI	Groundwater	400 ng/L	1x	438	440	100
PFOA	SDI	Groundwater	5000 ng/L	1x	5038	5200	103
PFOA	SDI	Groundwater	50000 ng/L	1x	50038	47000	94
PFOS	SPE	River Water	0 ng/L	1x	--	8.7	--
PFOS	SPE	River Water	10 ng/L	1x	18.7	21	112
PFOS	SPE	River Water	50 ng/L	1x	58.7	69	118
PFOS	SPE	River Water	400 ng/L	1x	408.7	500	122
PFOS	SPE	Groundwater	0 ng/L	1x	--	13	--
PFOS	SPE	Groundwater	400 ng/L	1x	413	460	111
PFOS	SDI	River Water	400 ng/L	1x	408.7	280	69
PFOS	SDI	River Water	5000 ng/L	1x	5008.7	4000	80
PFOS	SDI	River Water	50000 ng/L	1x	50008.7	42000	84
PFOS	SDI	Groundwater	400 ng/L	1x	413	360	87
PFOS	SDI	Groundwater	5000 ng/L	1x	5013	3500	70
PFOS	SDI	Groundwater	50000 ng/L	1x	50013	42000	84

*Notes:*

< - result is below reporting limit

-- percent of expected not calculated for samples without amendment or where the measured concentration was below the reporting limit.

% - percent

ng/L - nanograms per liter

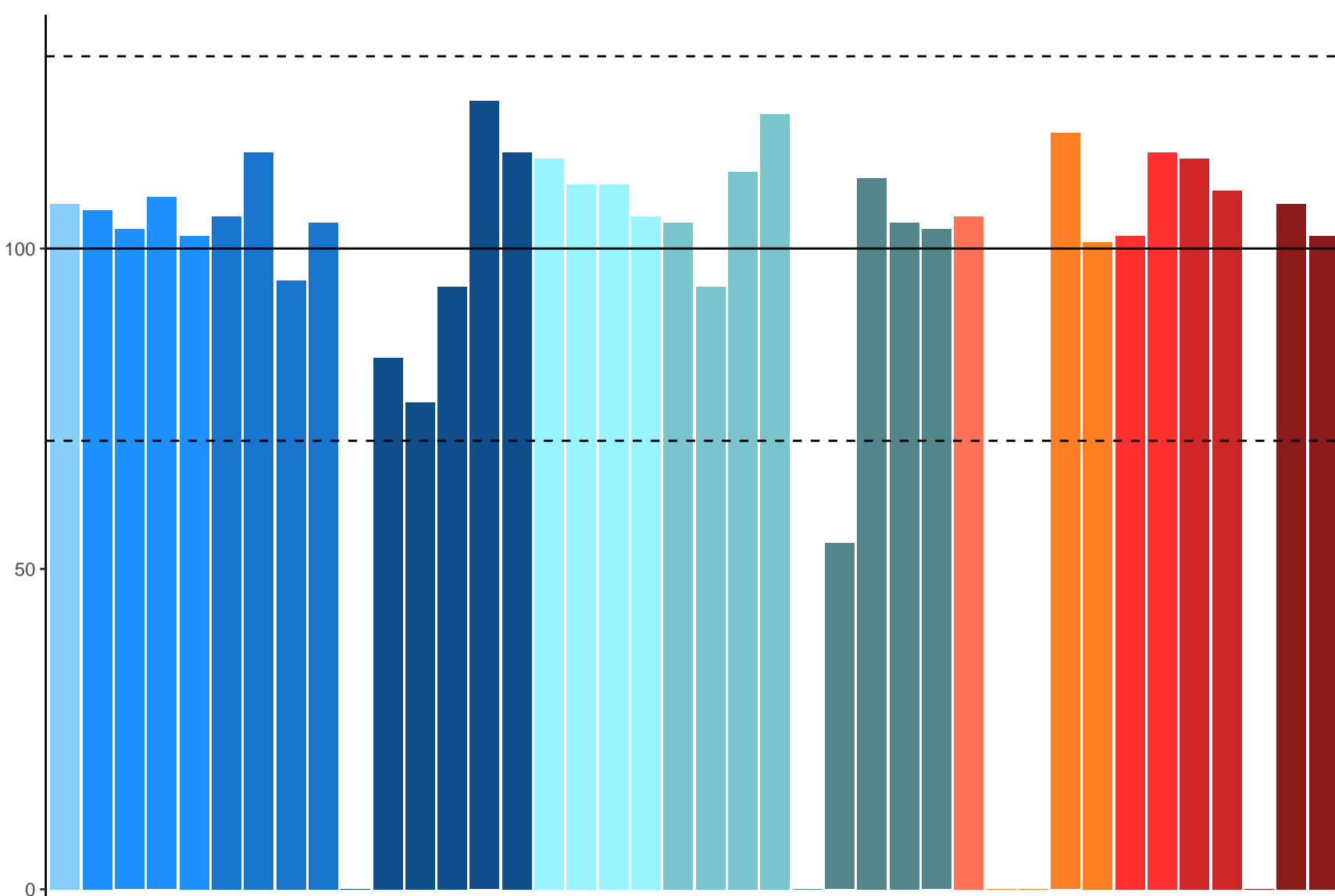
SDI - solvent dilution / direct injection

SPE - solid phase extraction

1. - For identification of PFAS, see Table A1.

10:2 FTS

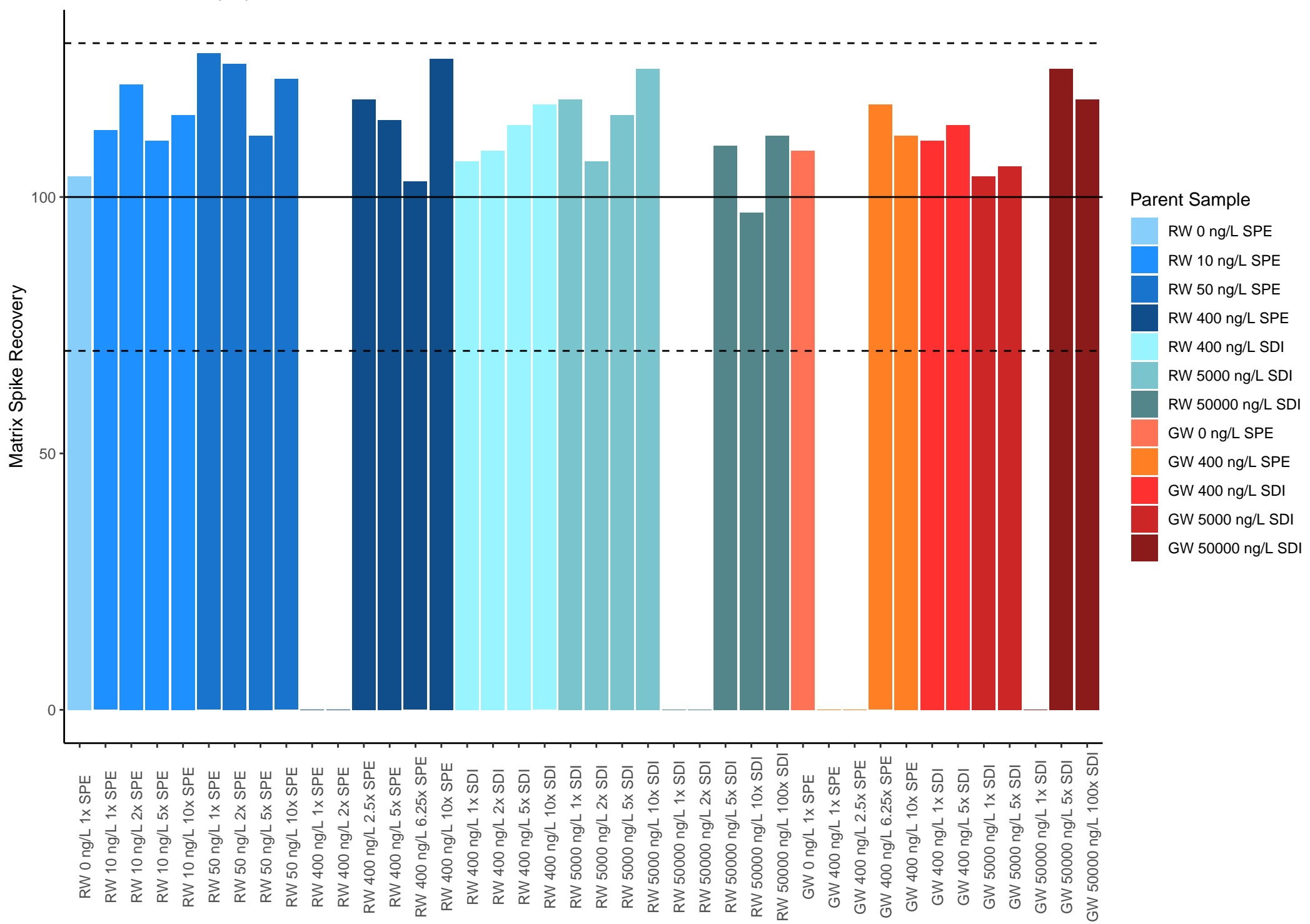
Matrix Spike Recovery



Parent Sample

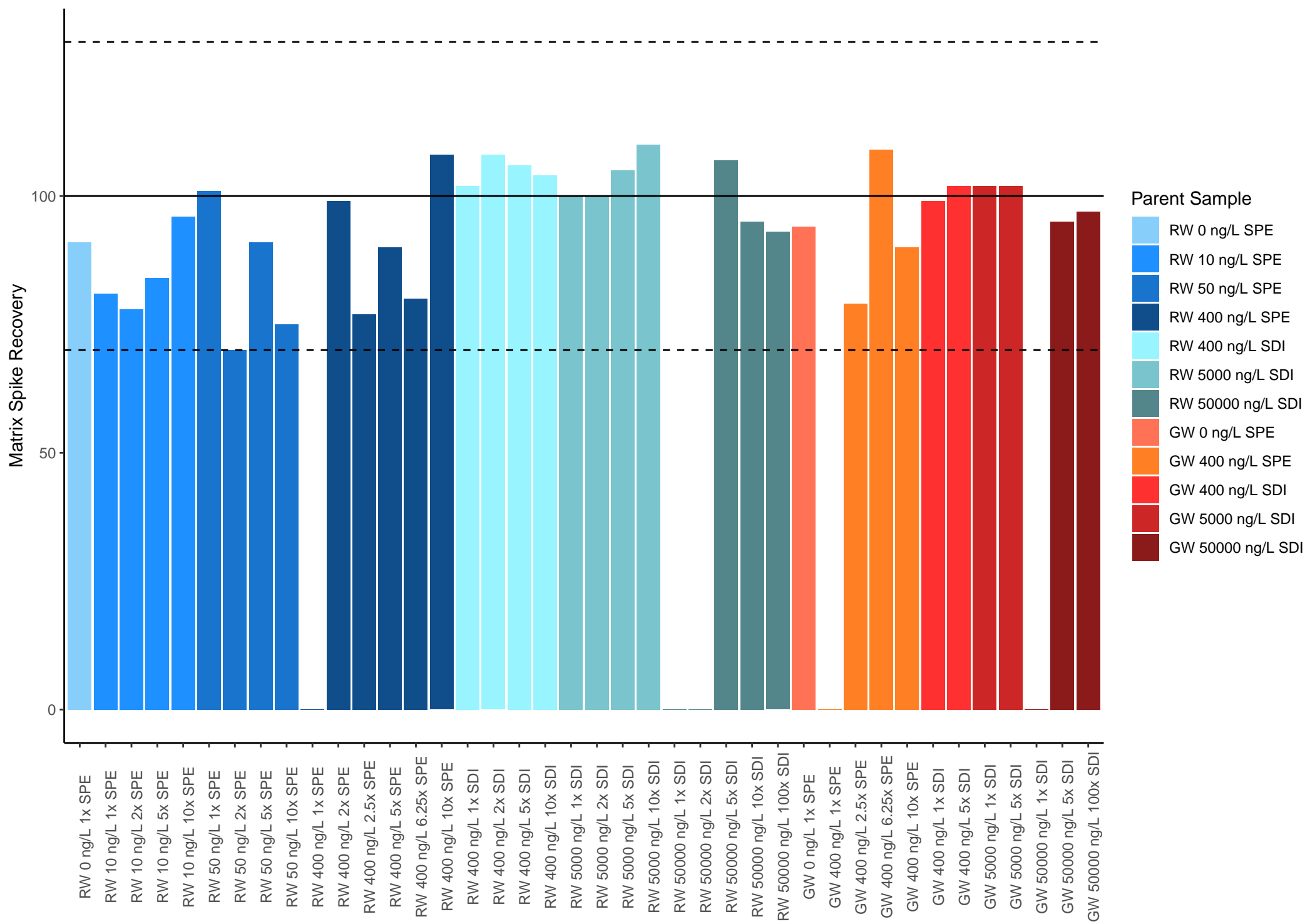
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- RW 10 ng/L SPE
- RW 50 ng/L SPE
- RW 400 ng/L SPE
- RW 400 ng/L SDI
- RW 5000 ng/L SDI
- RW 50000 ng/L SDI
- GW 0 ng/L SPE
- GW 400 ng/L SPE
- GW 400 ng/L SDI
- GW 5000 ng/L SDI
- GW 50000 ng/L SDI

# Perfluoro-4-ethylcyclohexanesulfonic acid



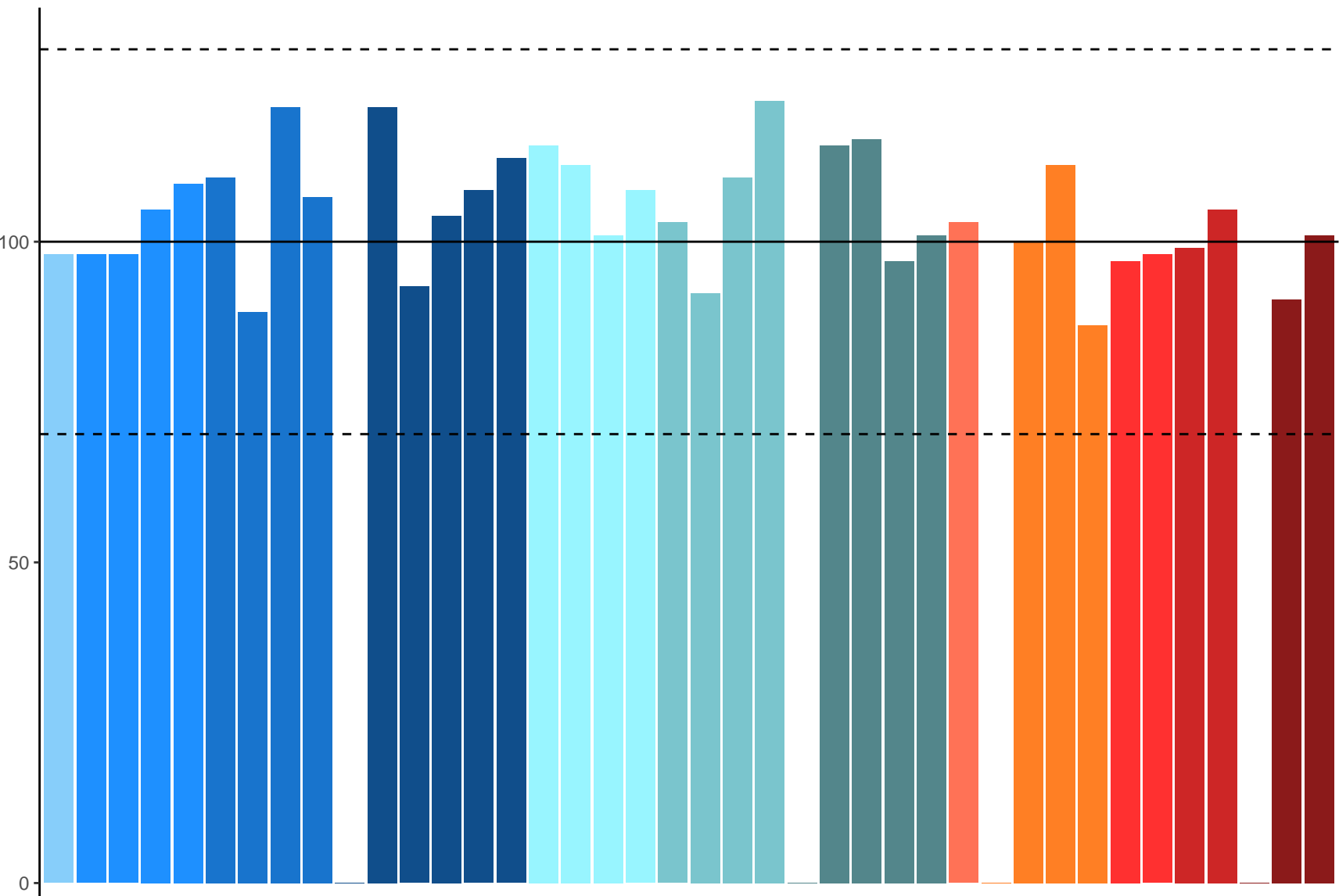


# Perfluorooctadecanoic acid



# NetFOSE

Matrix Spike Recovery



## Parent Sample

- RW 0 ng/L SPE
- RW 10 ng/L SPE
- RW 50 ng/L SPE
- RW 400 ng/L SPE
- RW 400 ng/L SDI
- RW 5000 ng/L SDI
- RW 50000 ng/L SDI
- GW 0 ng/L SPE
- GW 400 ng/L SPE
- GW 400 ng/L SDI
- GW 5000 ng/L SDI
- GW 50000 ng/L SDI

# PFOS

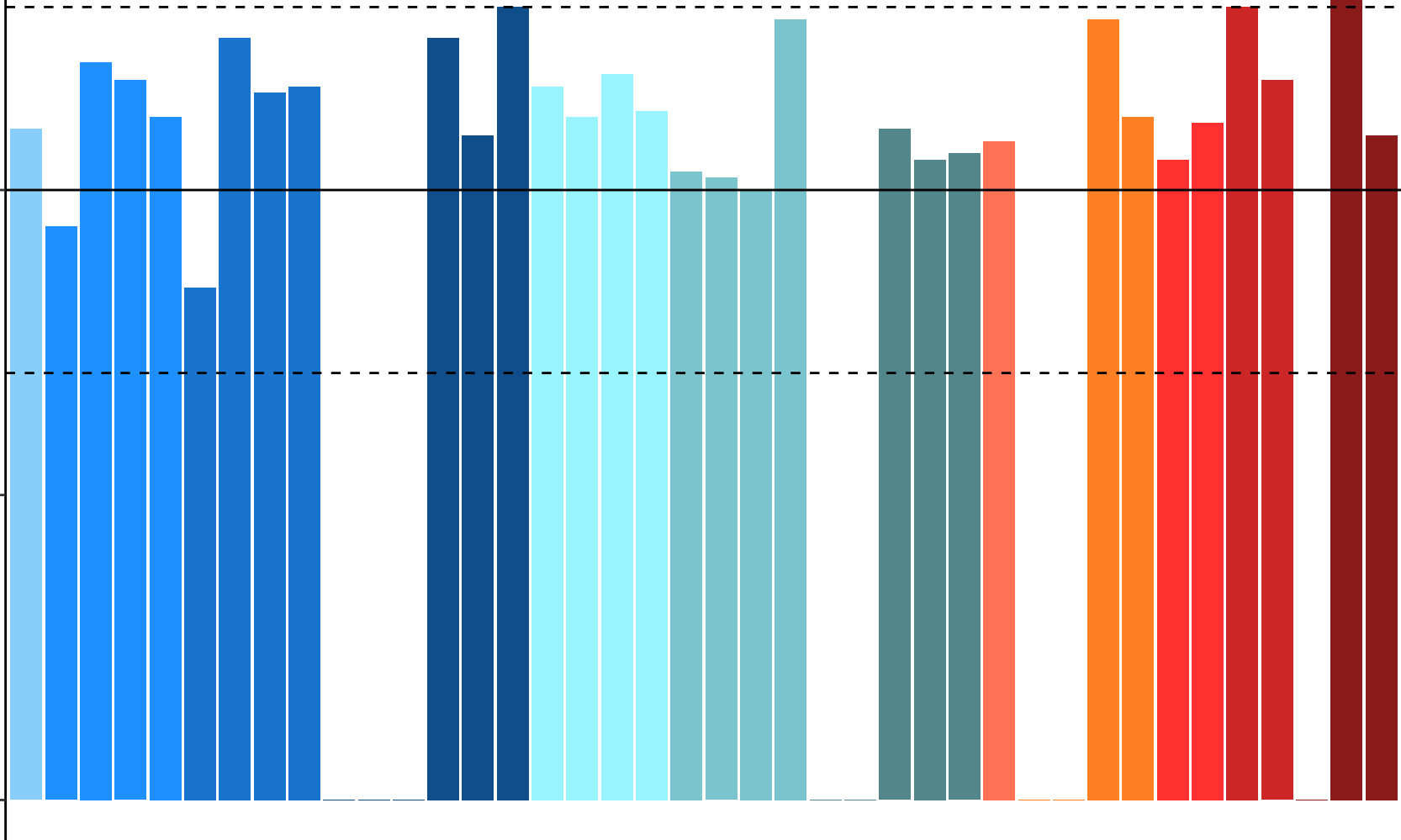
Matrix Spike Recovery

150  
100  
50  
0

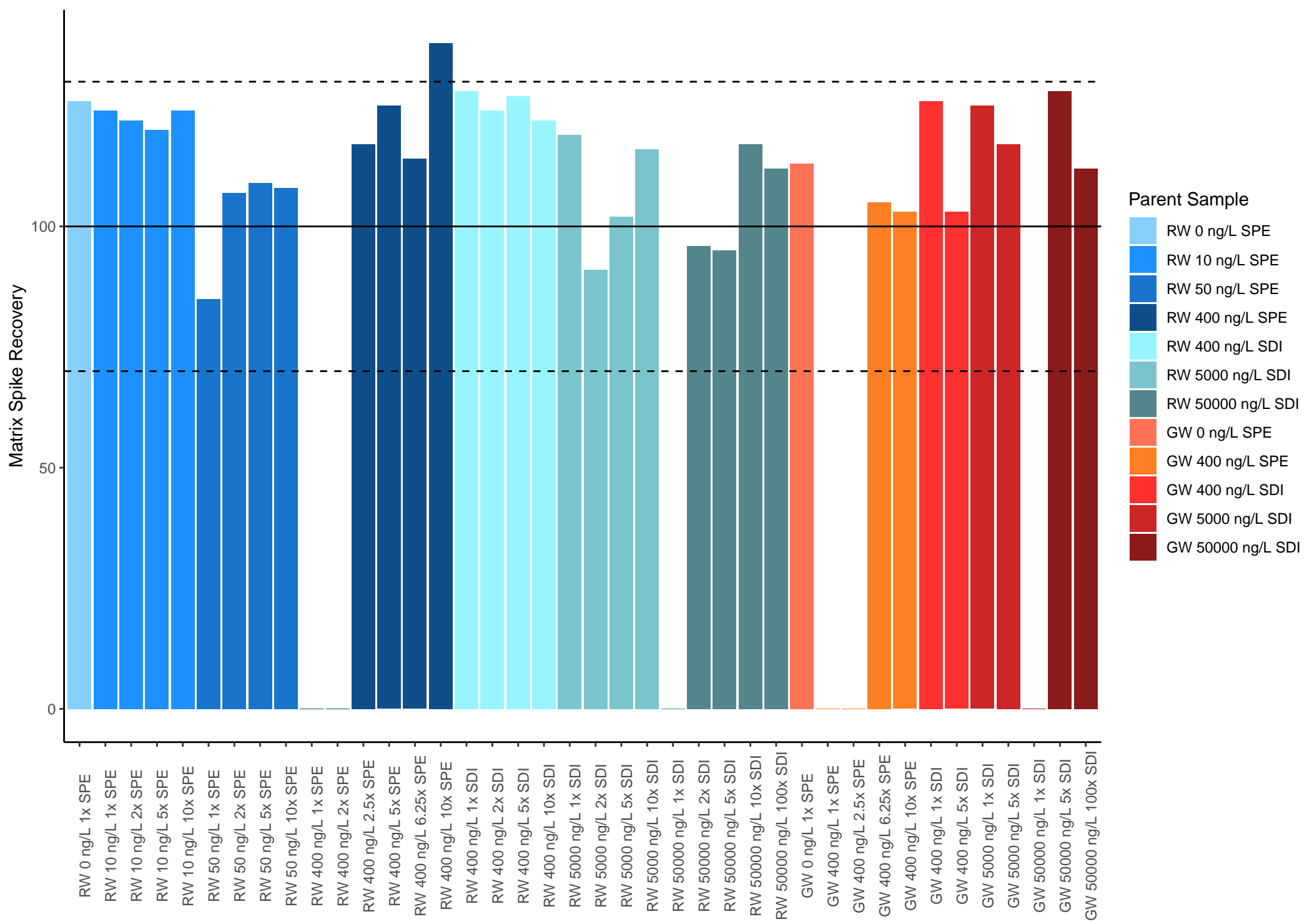
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 RW 10 ng/L 1x SPE  
 RW 10 ng/L 2x SPE  
 RW 10 ng/L 5x SPE  
 RW 10 ng/L 10x SPE  
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 RW 50 ng/L 2x SPE  
 RW 50 ng/L 5x SPE  
 RW 50 ng/L 10x SPE  
 RW 400 ng/L 1x SPE  
 RW 400 ng/L 2x SPE  
 RW 400 ng/L 2.5x SPE  
 RW 400 ng/L 5x SPE  
 RW 400 ng/L 6.25x SPE  
 RW 400 ng/L 10x SPE  
 RW 400 ng/L 1x SDI  
 RW 400 ng/L 2x SDI  
 RW 400 ng/L 5x SDI  
 RW 400 ng/L 10x SDI  
 RW 5000 ng/L 1x SDI  
 RW 5000 ng/L 2x SDI  
 RW 5000 ng/L 5x SDI  
 RW 5000 ng/L 10x SDI  
 RW 50000 ng/L 1x SDI  
 RW 50000 ng/L 2x SDI  
 RW 50000 ng/L 5x SDI  
 RW 50000 ng/L 10x SDI  
 RW 50000 ng/L 100x SDI  
 GW 0 ng/L 1x SPE  
 GW 400 ng/L 1x SPE  
 GW 400 ng/L 2.5x SPE  
 GW 400 ng/L 6.25x SPE  
 GW 400 ng/L 10x SPE  
 GW 400 ng/L 1x SDI  
 GW 400 ng/L 5x SDI  
 GW 5000 ng/L 1x SDI  
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 GW 50000 ng/L 1x SDI  
 GW 50000 ng/L 5x SDI  
 GW 50000 ng/L 100x SDI

## Parent Sample

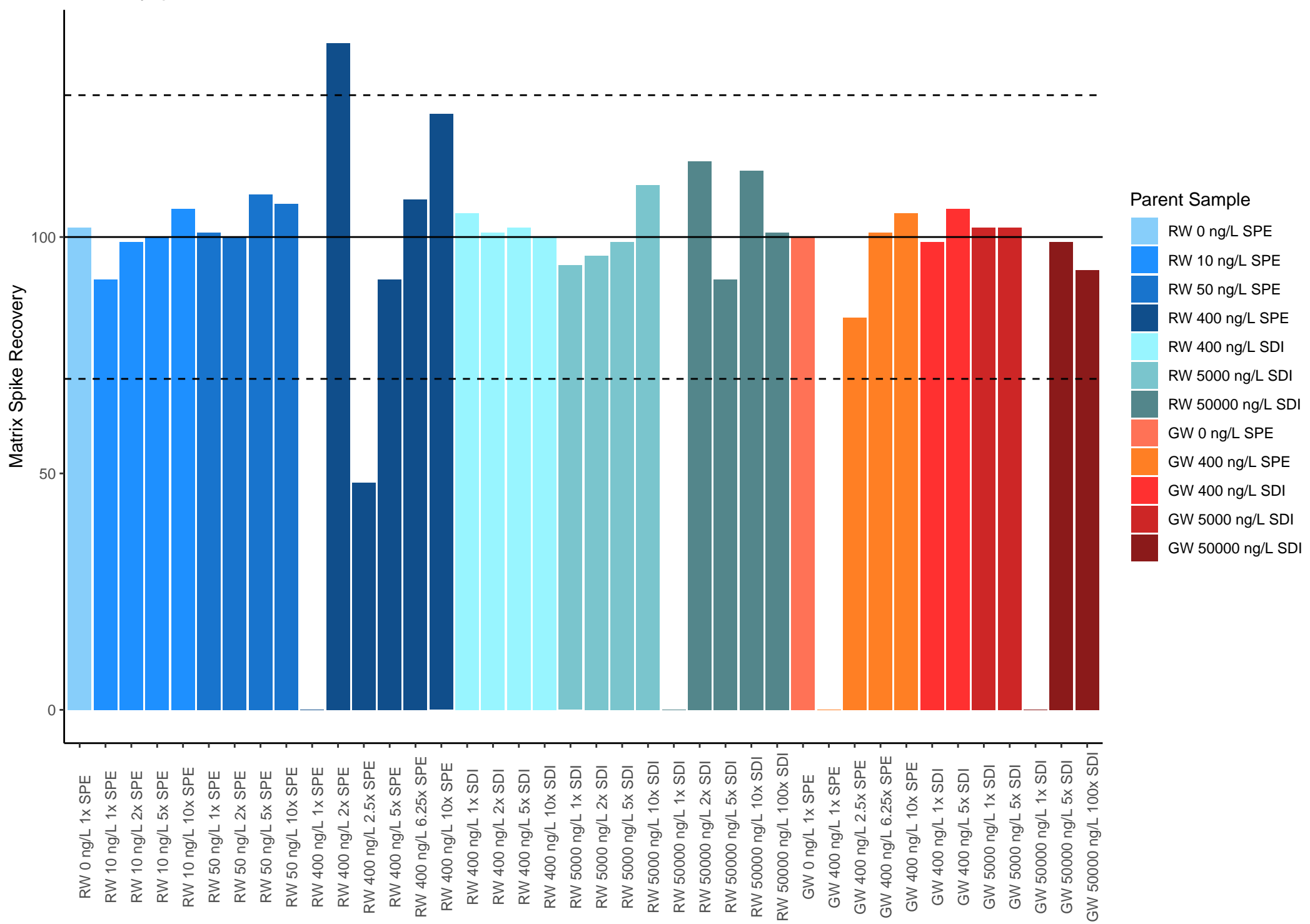
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- RW 10 ng/L SPE
- RW 50 ng/L SPE
- RW 400 ng/L SPE
- RW 400 ng/L SDI
- RW 5000 ng/L SDI
- RW 50000 ng/L SDI
- GW 0 ng/L SPE
- GW 400 ng/L SPE
- GW 400 ng/L SDI
- GW 5000 ng/L SDI
- GW 50000 ng/L SDI



# Perfluoroundecanoic Acid

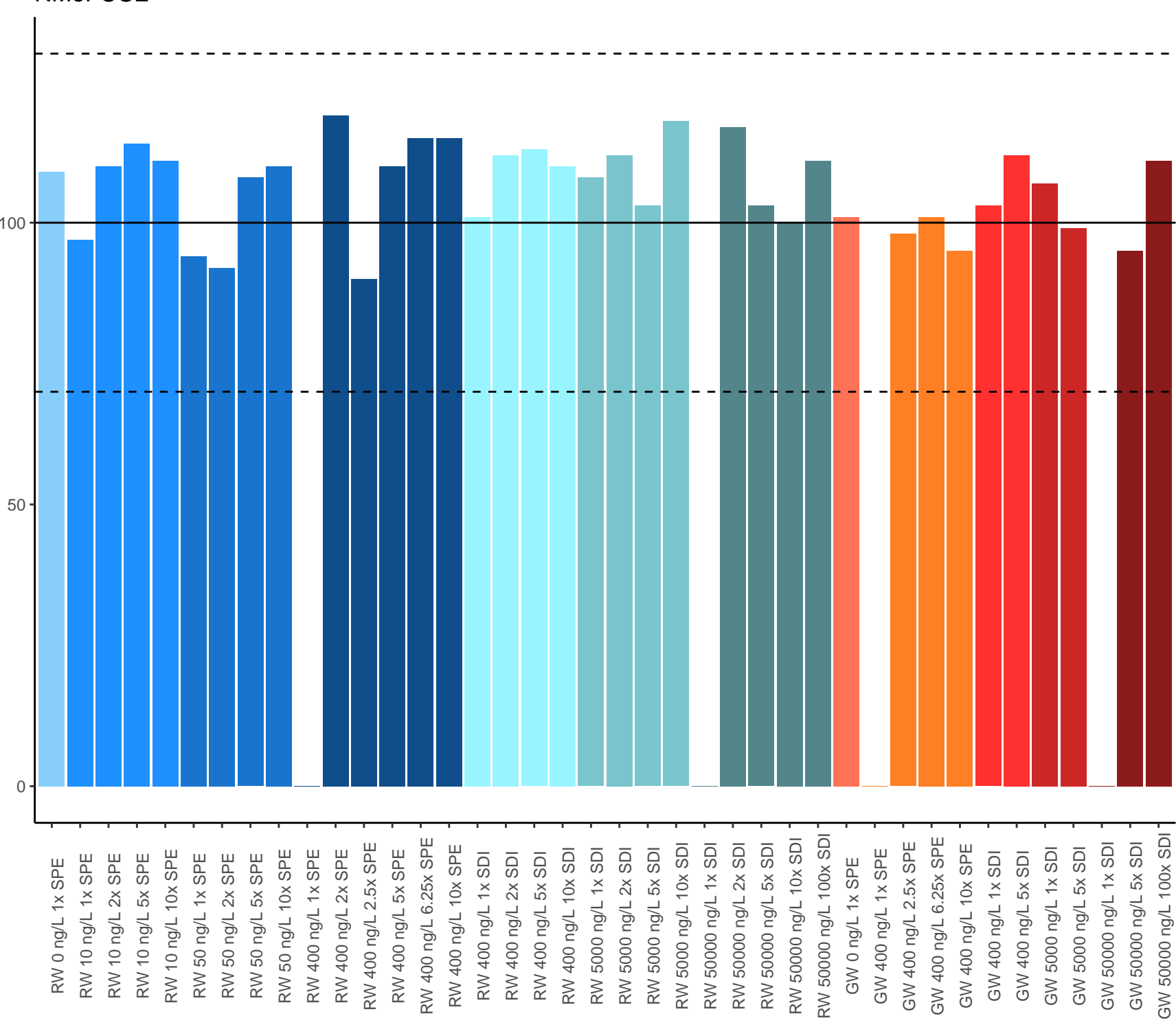


# N-methyl perfluorooctane sulfonamidoacetic acid



# NMeFOSE

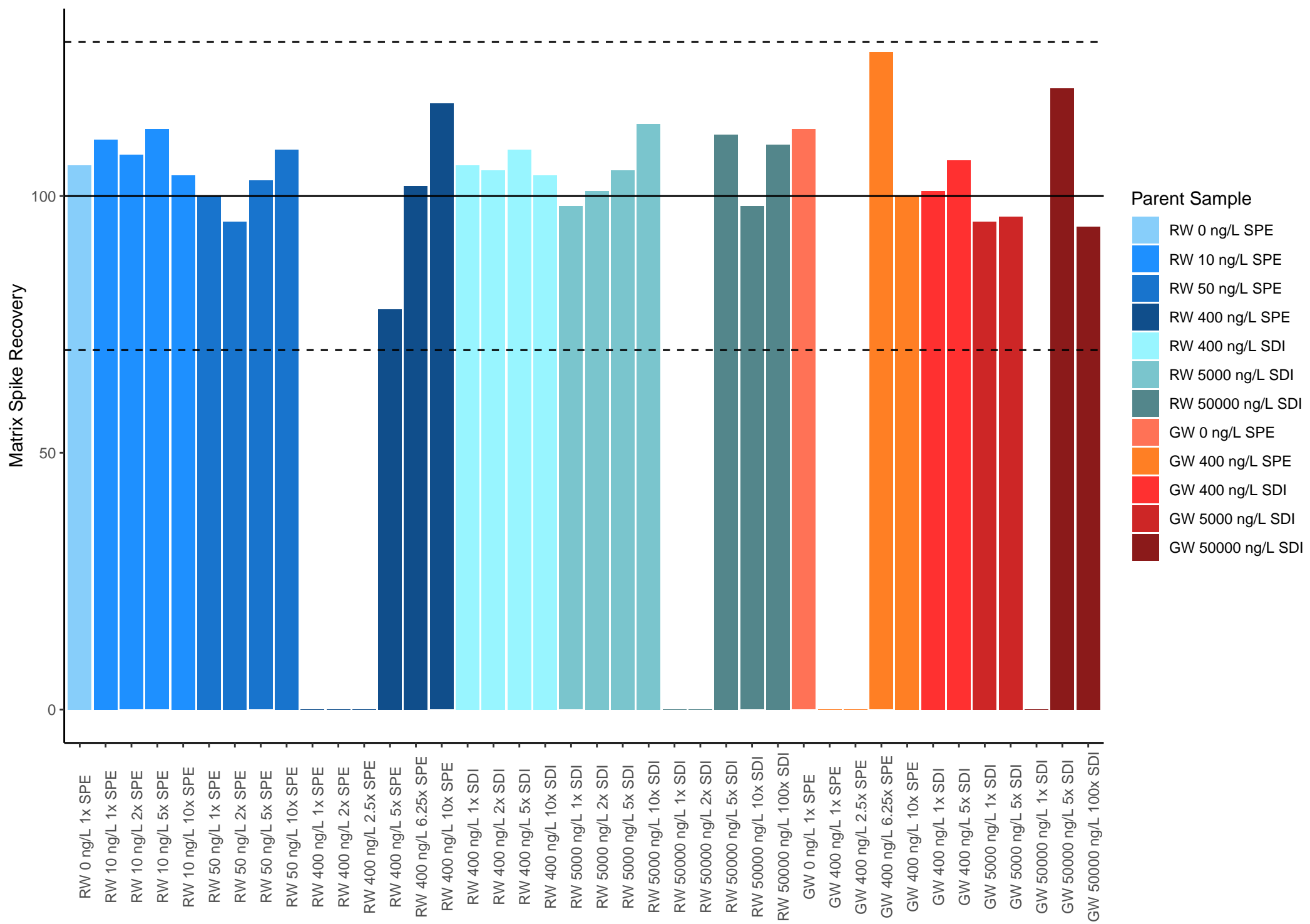
Matrix Spike Recovery



## Parent Sample

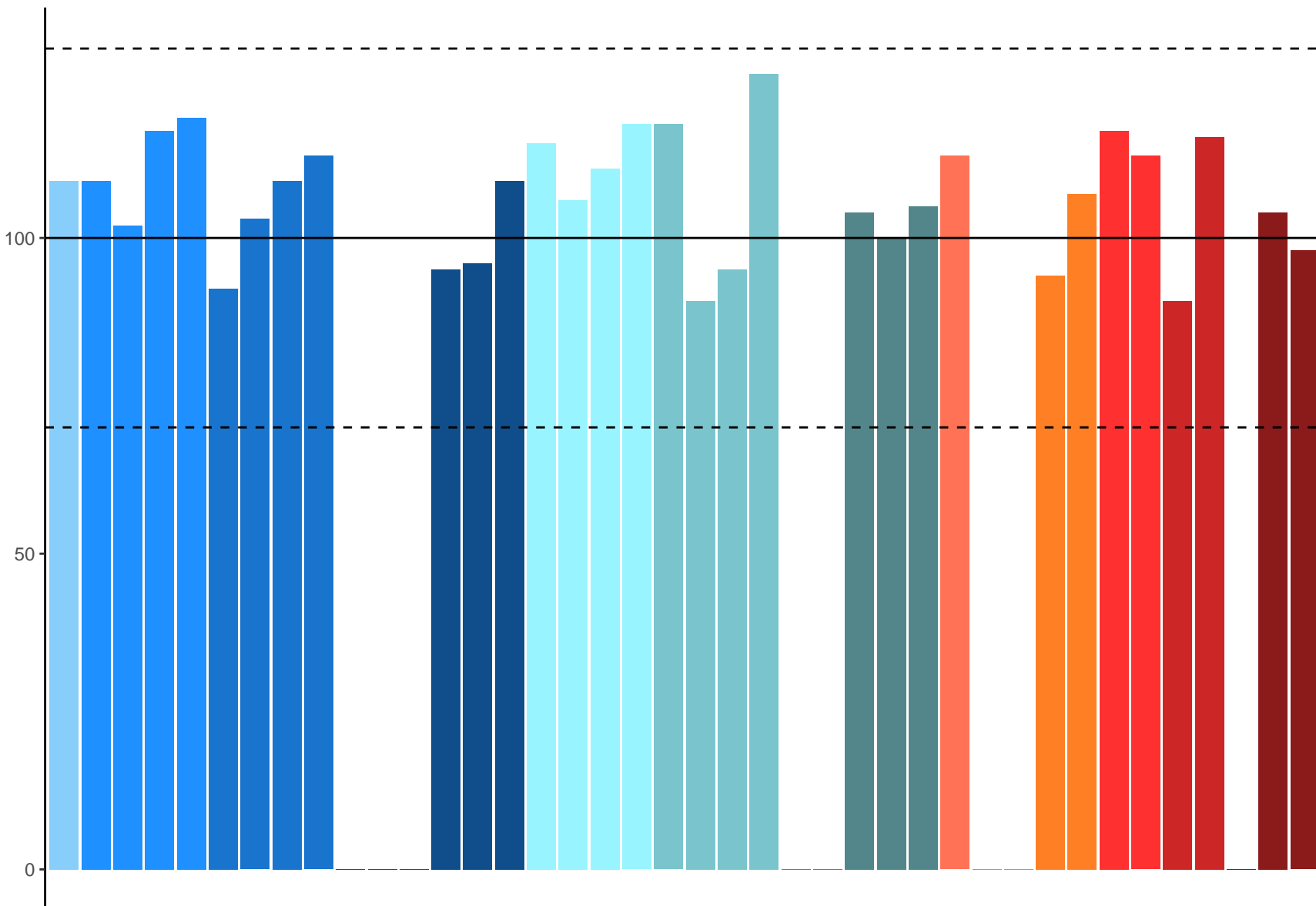
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- RW 10 ng/L SPE
- RW 50 ng/L SPE
- RW 400 ng/L SPE
- RW 400 ng/L SDI
- RW 5000 ng/L SDI
- RW 50000 ng/L SDI
- GW 0 ng/L SPE
- GW 400 ng/L SPE
- GW 400 ng/L SDI
- GW 5000 ng/L SDI
- GW 50000 ng/L SDI

# Perfluoropentanoic Acid



6:2 FTS

Matrix Spike Recovery

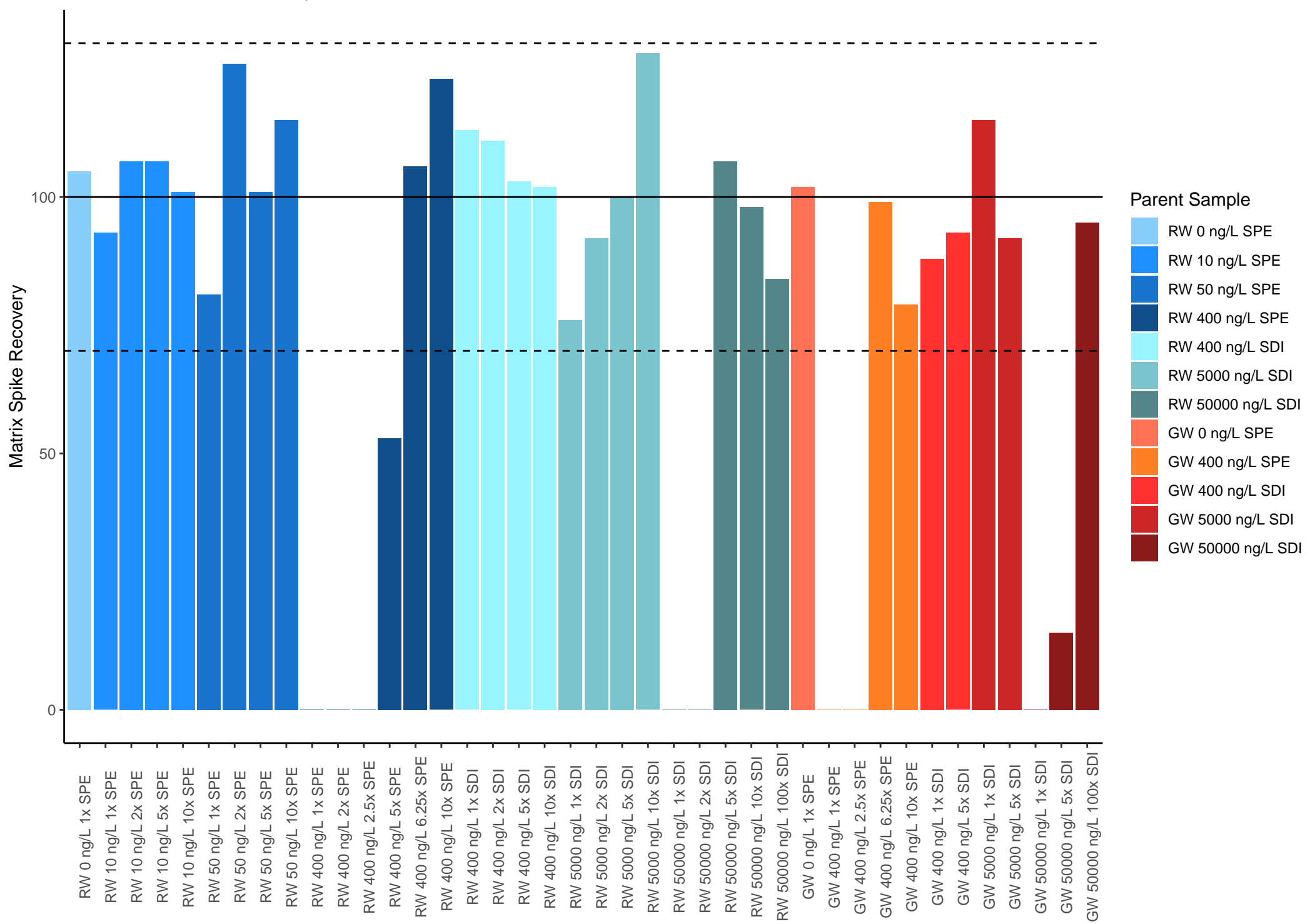


Parent Sample

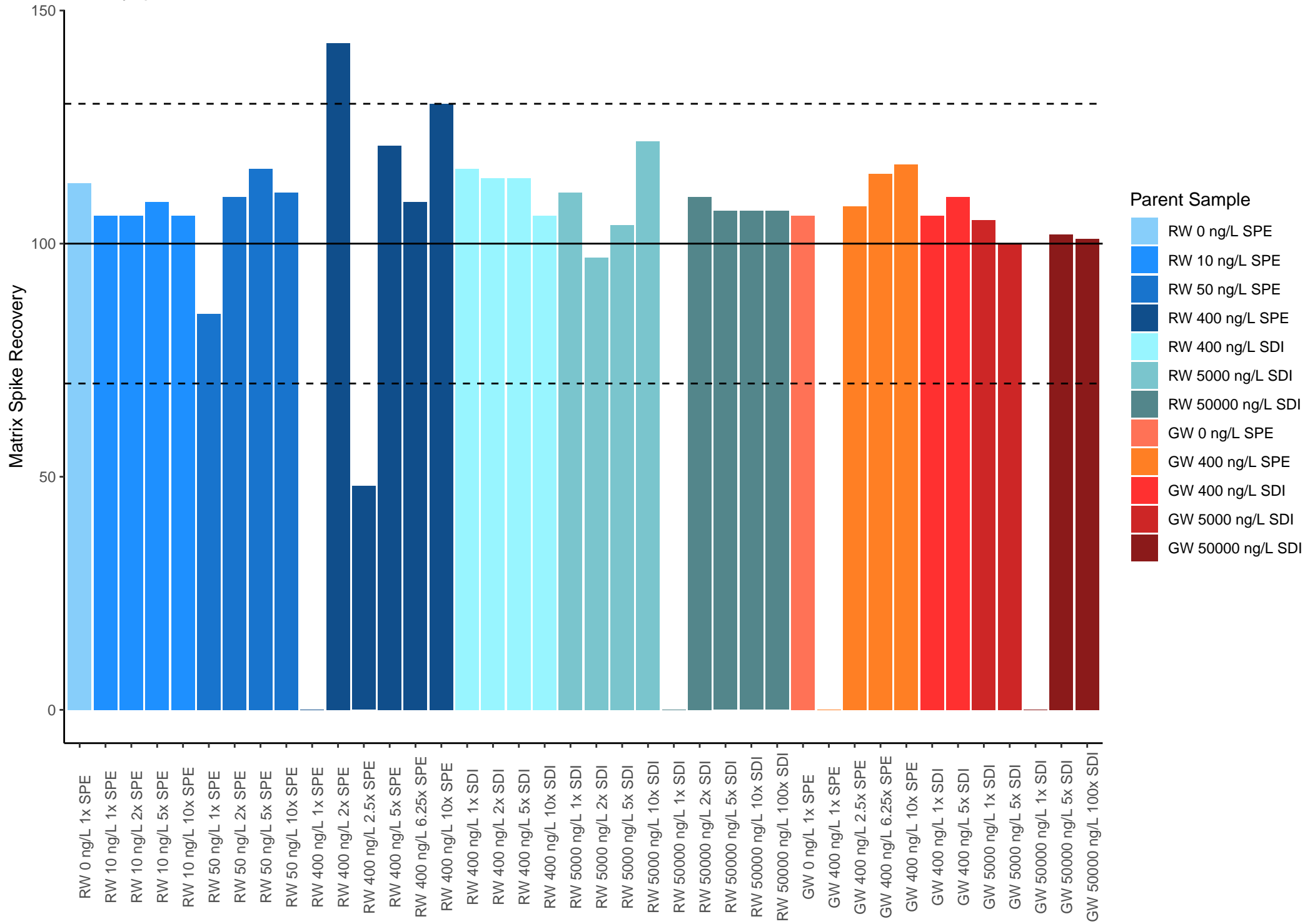
- RW 0 ng/L SPE
- RW 10 ng/L SPE
- RW 50 ng/L SPE
- RW 400 ng/L SPE
- RW 400 ng/L SDI
- RW 5000 ng/L SDI
- RW 50000 ng/L SDI
- GW 0 ng/L SPE
- GW 400 ng/L SPE
- GW 400 ng/L SDI
- GW 5000 ng/L SDI
- GW 50000 ng/L SDI



# 8:2 Fluorotelomer carboxylic acid

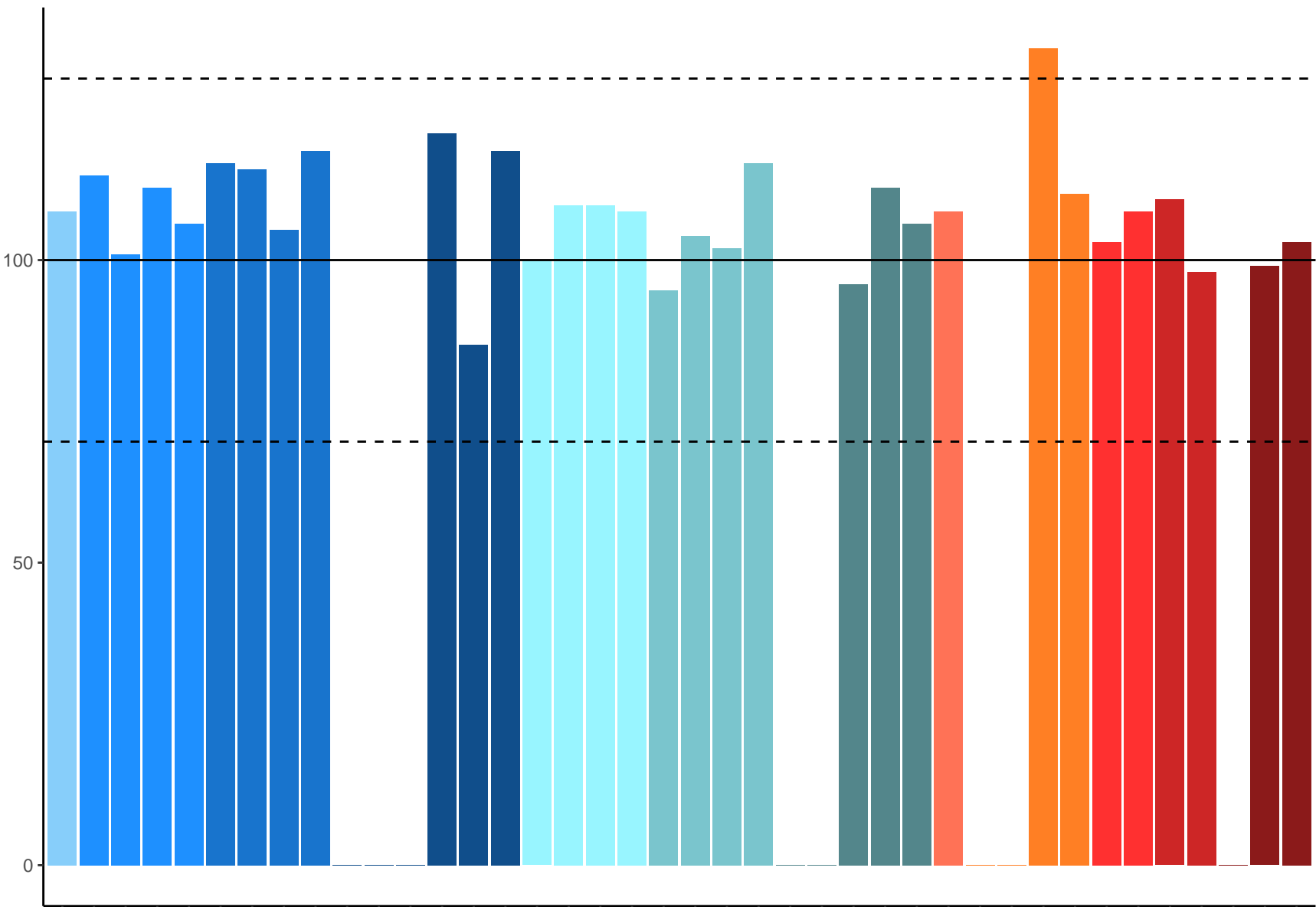


# N-ethyl perfluorooctane sulfonamidoacetic acid



# Perfluorohexanoic Acid

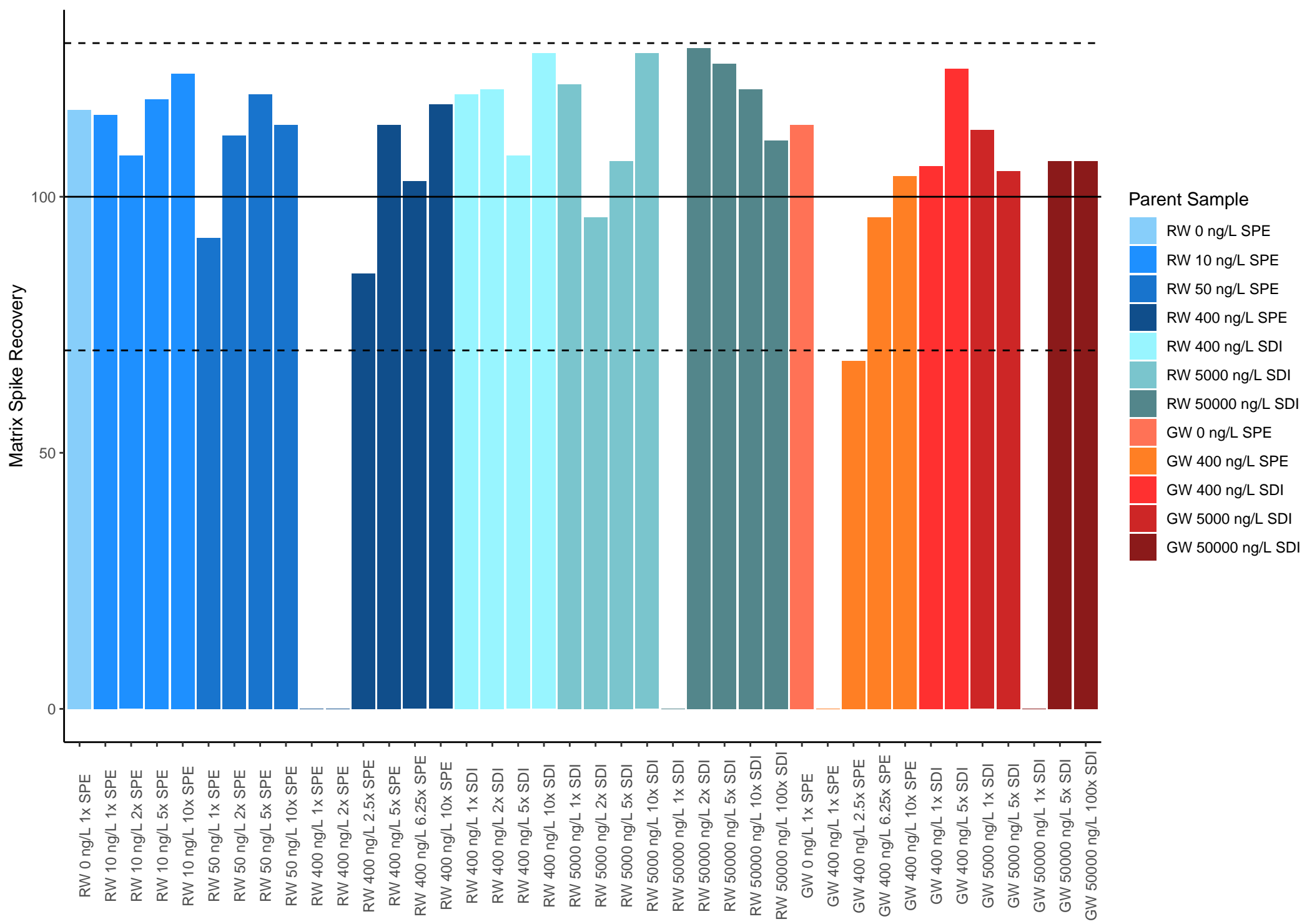
Matrix Spike Recovery



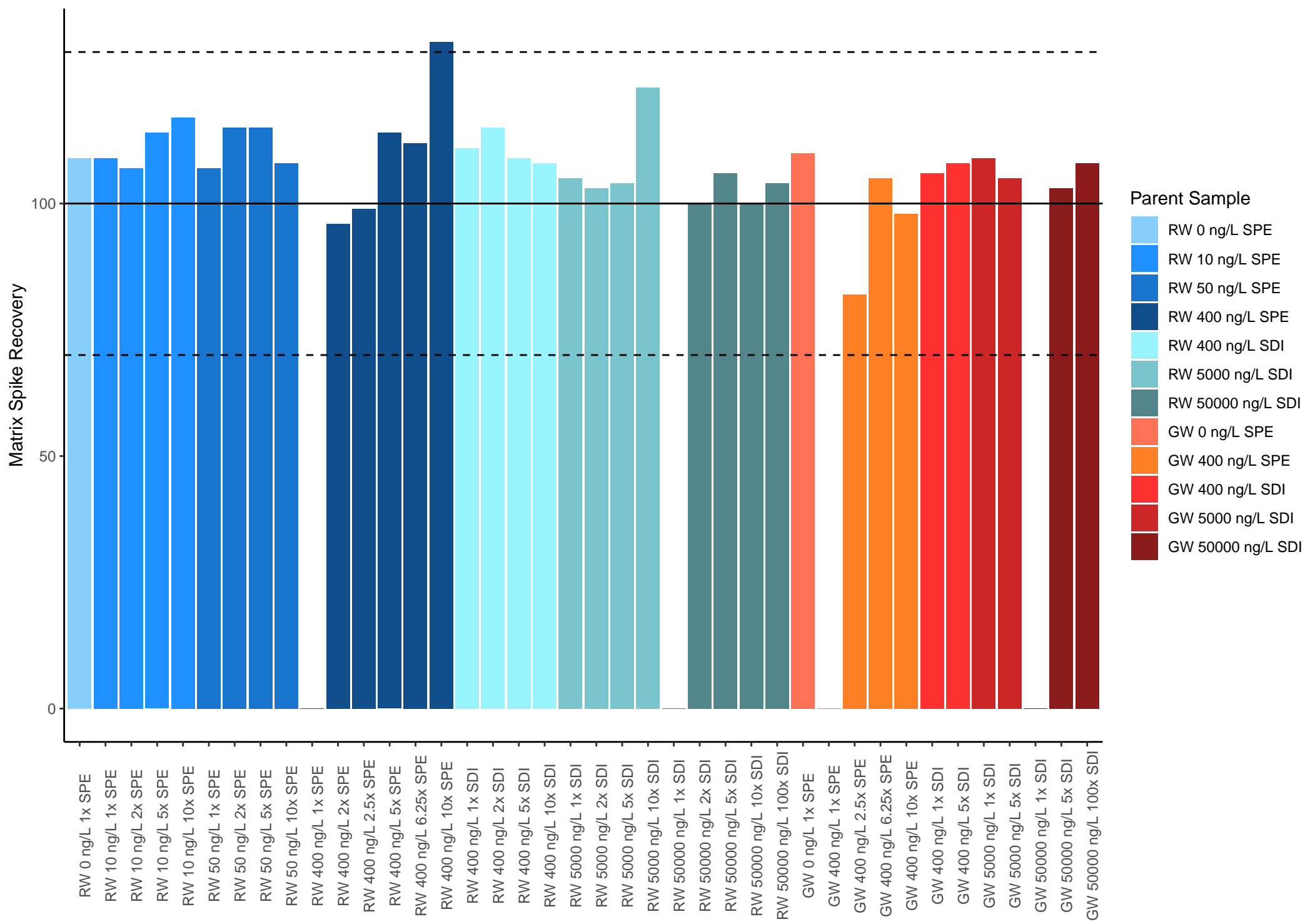
## Parent Sample

- RW 0 ng/L SPE
- RW 10 ng/L SPE
- RW 50 ng/L SPE
- RW 400 ng/L SPE
- RW 400 ng/L SDI
- RW 5000 ng/L SDI
- RW 50000 ng/L SDI
- GW 0 ng/L SPE
- GW 400 ng/L SPE
- GW 400 ng/L SDI
- GW 5000 ng/L SDI
- GW 50000 ng/L SDI

# Perfluorododecanoic Acid



# NMeFOSA



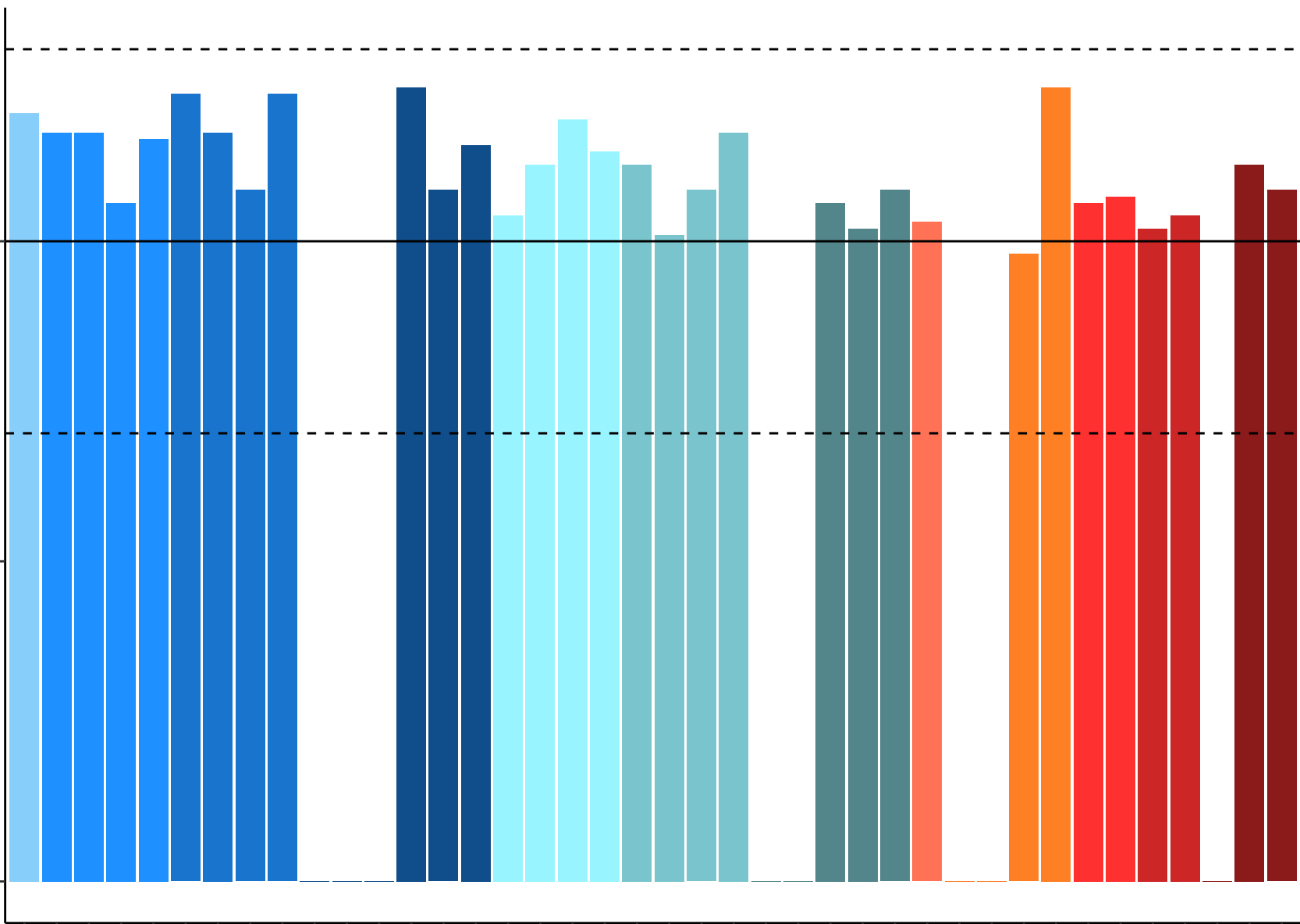
# PFOA

Matrix Spike Recovery

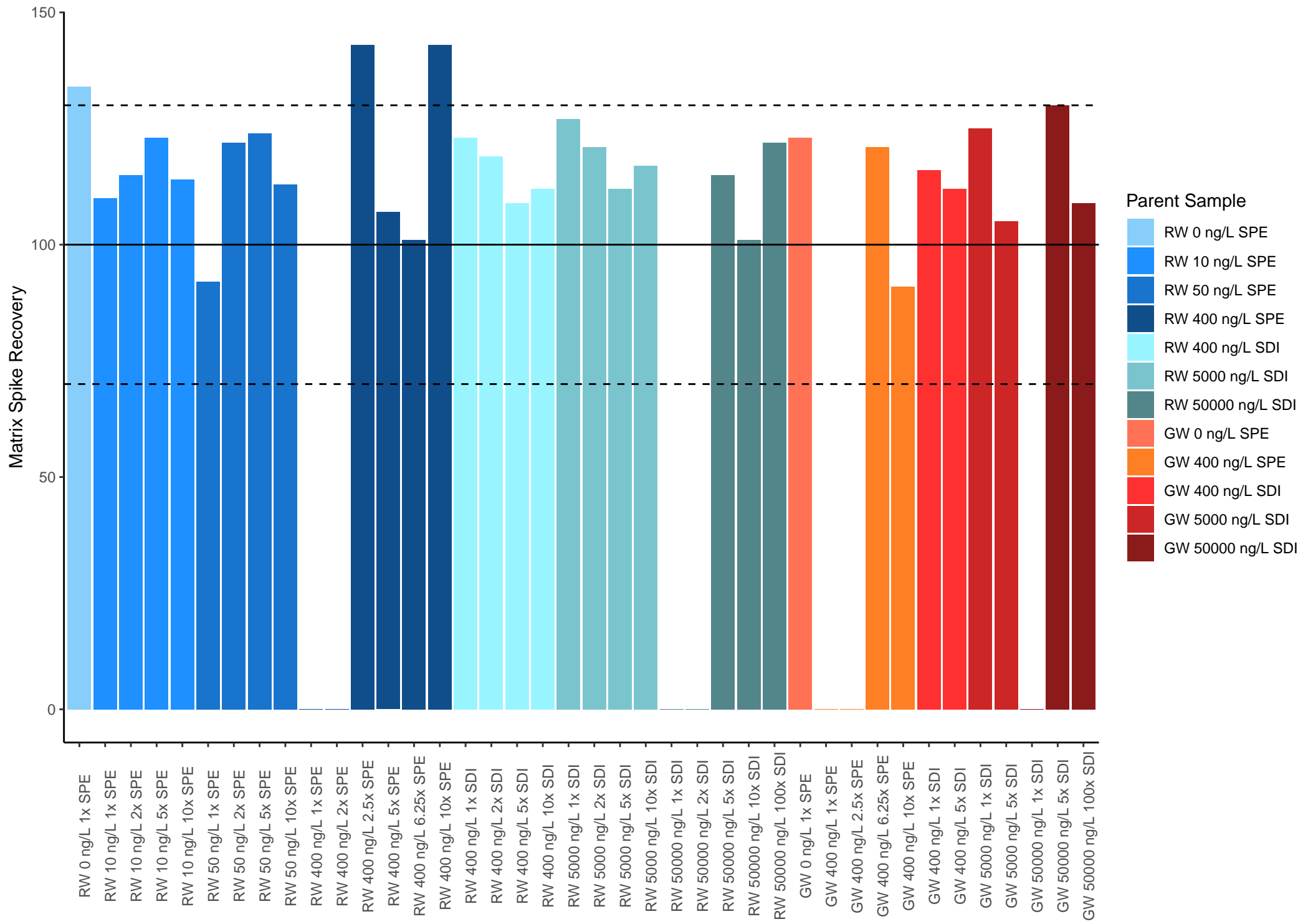
100  
50  
0

RW 0 ng/L 1x SPE  
 RW 10 ng/L 1x SPE  
 RW 10 ng/L 2x SPE  
 RW 10 ng/L 5x SPE  
 RW 10 ng/L 10x SPE  
 RW 50 ng/L 1x SPE  
 RW 50 ng/L 2x SPE  
 RW 50 ng/L 5x SPE  
 RW 50 ng/L 10x SPE  
 RW 400 ng/L 1x SPE  
 RW 400 ng/L 2x SPE  
 RW 400 ng/L 2.5x SPE  
 RW 400 ng/L 5x SPE  
 RW 400 ng/L 6.25x SPE  
 RW 400 ng/L 10x SPE  
 RW 400 ng/L 1x SDI  
 RW 400 ng/L 2x SDI  
 RW 400 ng/L 5x SDI  
 RW 400 ng/L 10x SDI  
 RW 5000 ng/L 1x SDI  
 RW 5000 ng/L 2x SDI  
 RW 5000 ng/L 5x SDI  
 RW 5000 ng/L 10x SDI  
 RW 50000 ng/L 1x SDI  
 RW 50000 ng/L 2x SDI  
 RW 50000 ng/L 5x SDI  
 RW 50000 ng/L 10x SDI  
 RW 50000 ng/L 100x SDI  
 GW 0 ng/L 1x SPE  
 GW 400 ng/L 1x SPE  
 GW 400 ng/L 2.5x SPE  
 GW 400 ng/L 6.25x SPE  
 GW 400 ng/L 10x SPE  
 GW 400 ng/L 1x SDI  
 GW 400 ng/L 5x SDI  
 GW 5000 ng/L 1x SDI  
 GW 5000 ng/L 5x SDI  
 GW 50000 ng/L 1x SDI  
 GW 50000 ng/L 5x SDI  
 GW 50000 ng/L 100x SDI

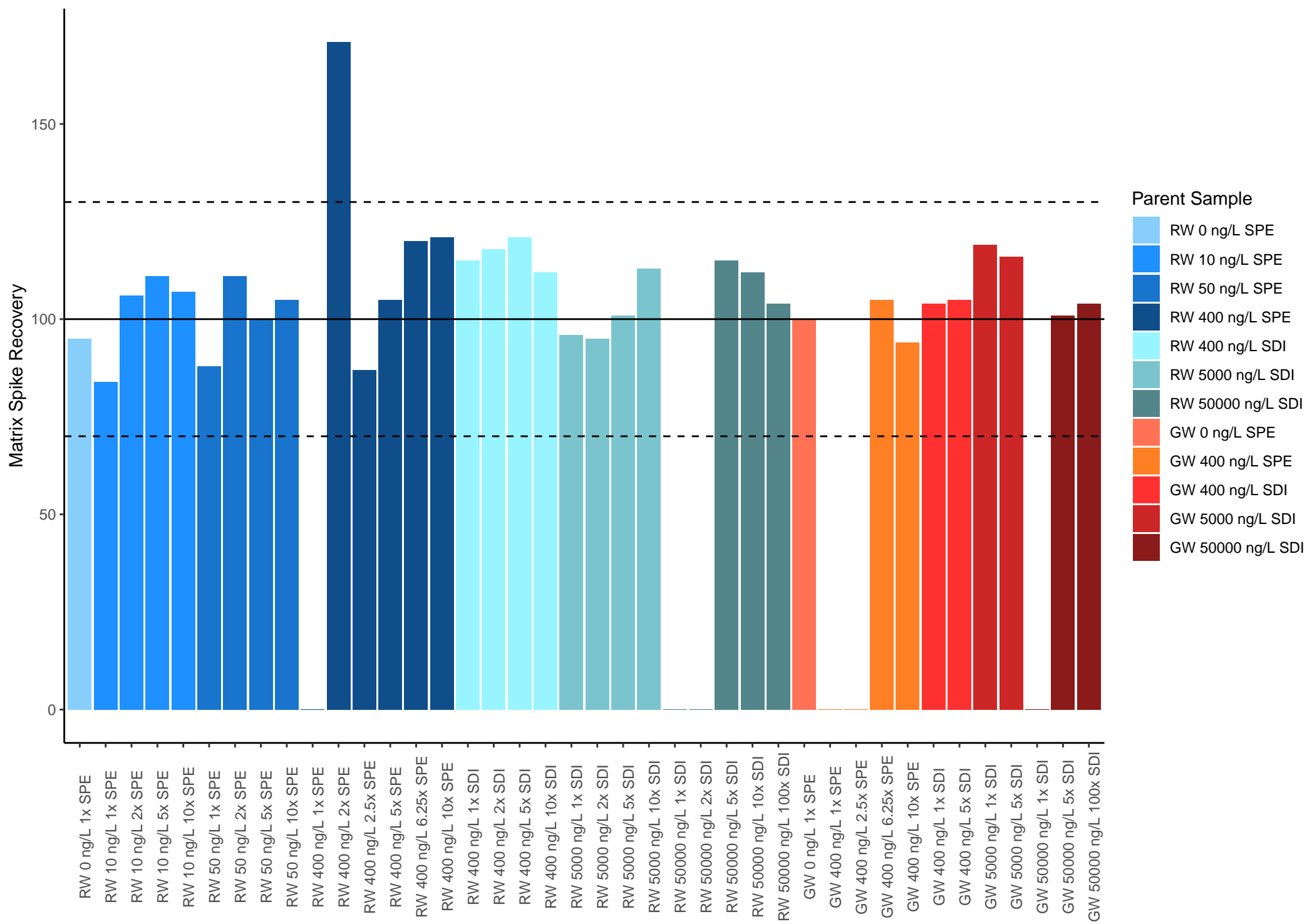
- Parent Sample
- RW 0 ng/L SPE
  - RW 10 ng/L SPE
  - RW 50 ng/L SPE
  - RW 400 ng/L SPE
  - RW 400 ng/L SDI
  - RW 5000 ng/L SDI
  - RW 50000 ng/L SDI
  - GW 0 ng/L SPE
  - GW 400 ng/L SPE
  - GW 400 ng/L SDI
  - GW 5000 ng/L SDI
  - GW 50000 ng/L SDI



# Perfluorodecanoic Acid



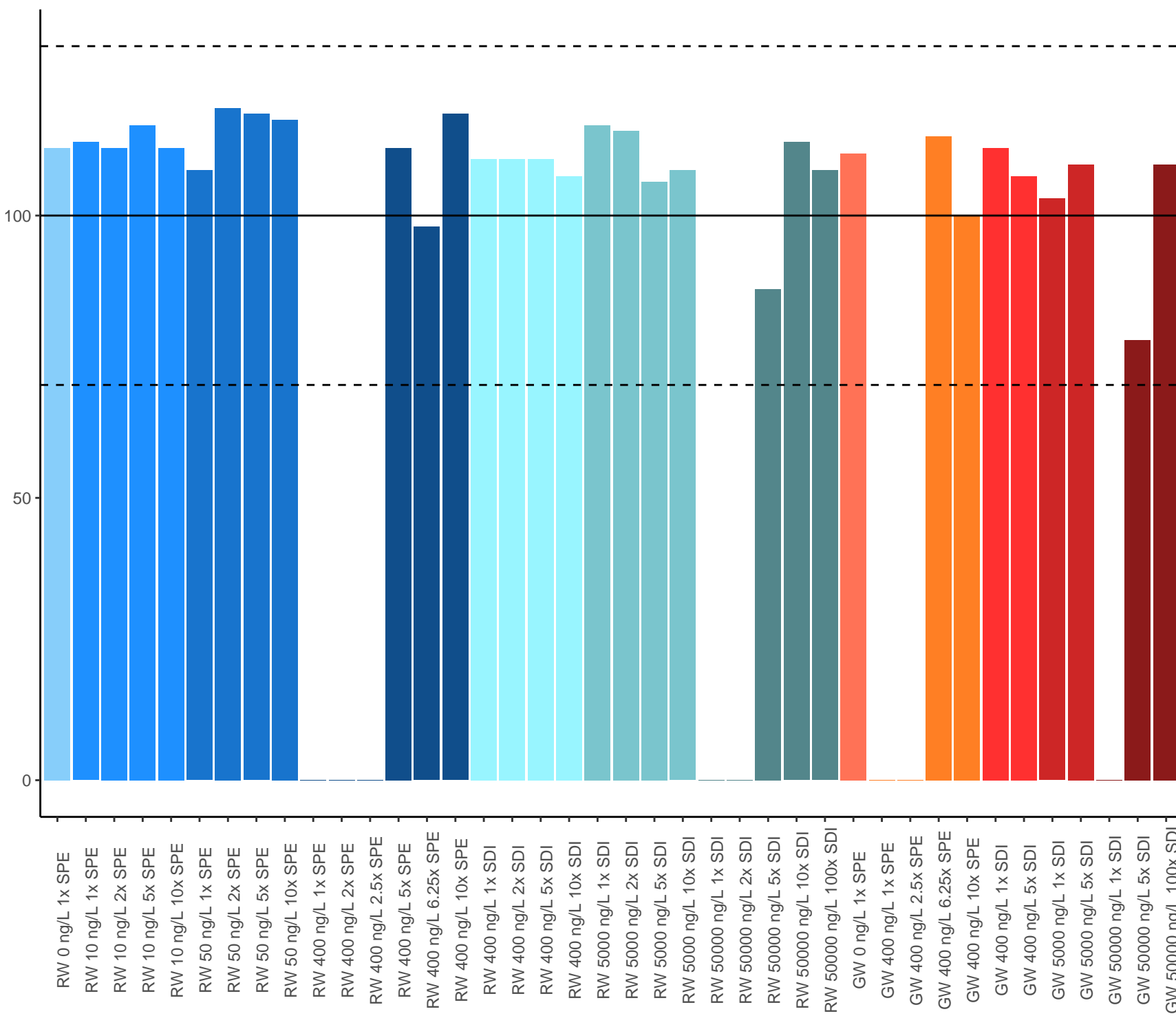
# Perfluorodecane Sulfonic Acid





# Perfluorohexane Sulfonic Acid

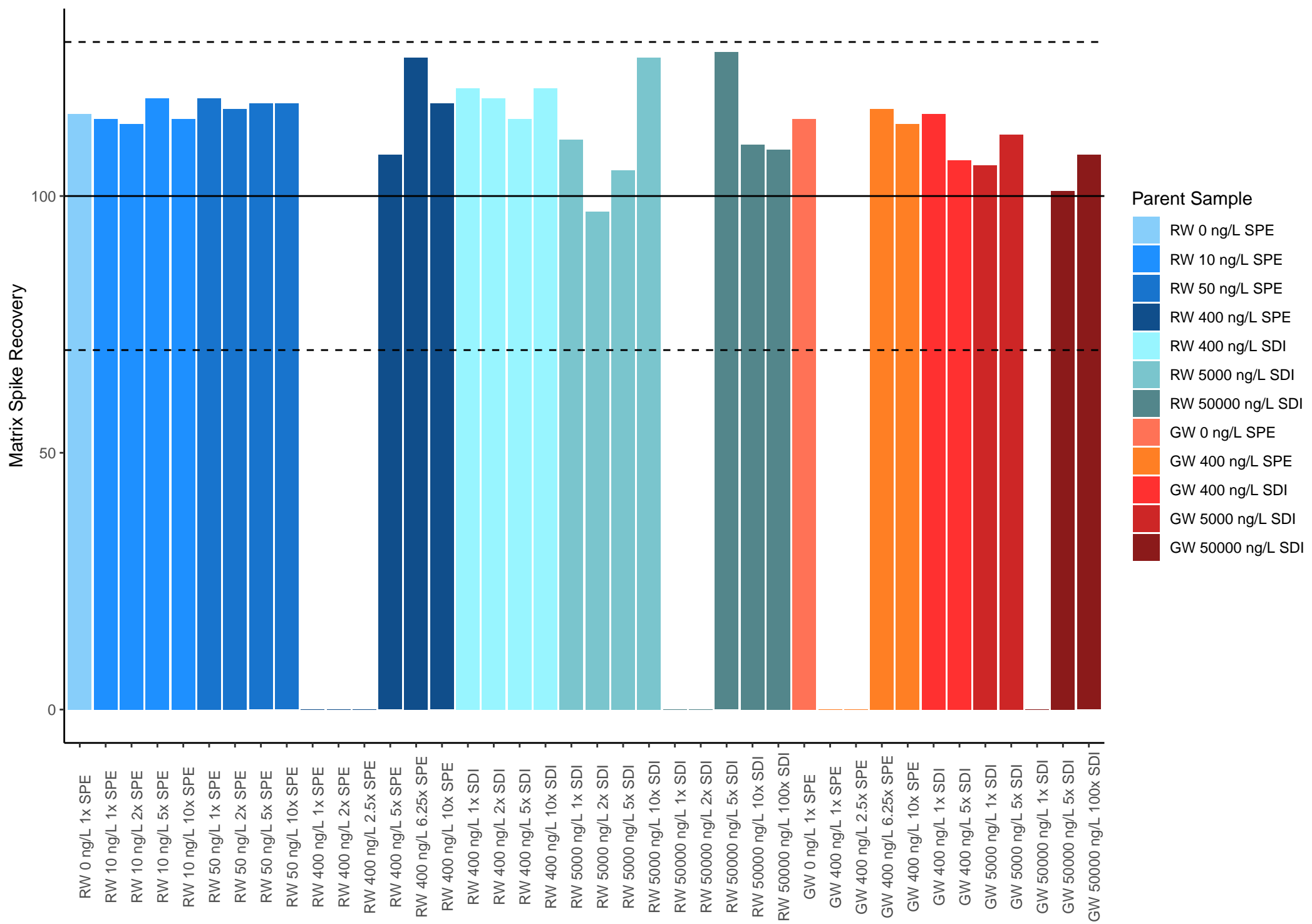
Matrix Spike Recovery



## Parent Sample

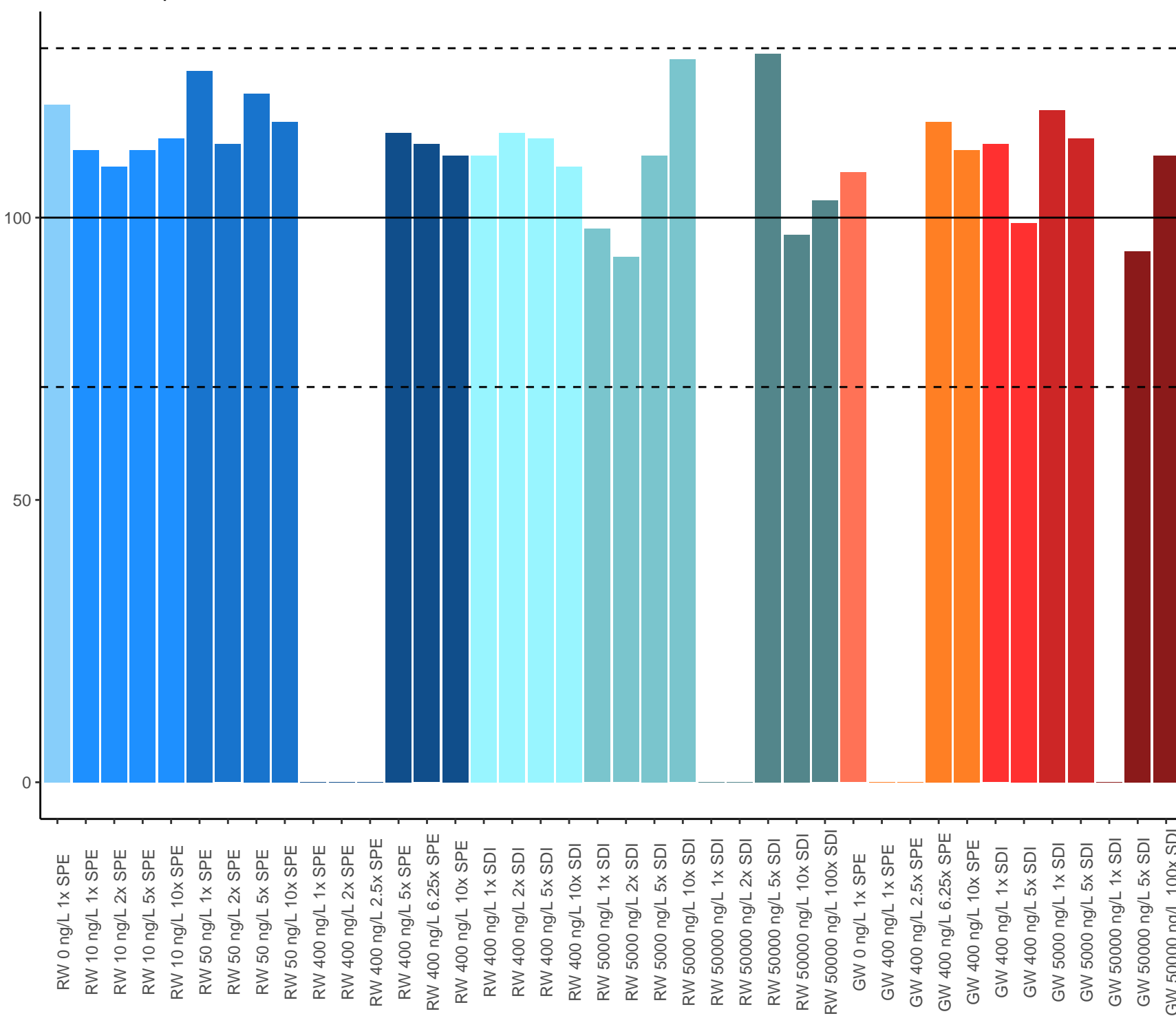
- RW 0 ng/L SPE
- RW 10 ng/L SPE
- RW 50 ng/L SPE
- RW 400 ng/L SPE
- RW 400 ng/L SDI
- RW 5000 ng/L SDI
- RW 50000 ng/L SDI
- GW 0 ng/L SPE
- GW 400 ng/L SPE
- GW 400 ng/L SDI
- GW 5000 ng/L SDI
- GW 50000 ng/L SDI

# Perfluorobutanoic Acid



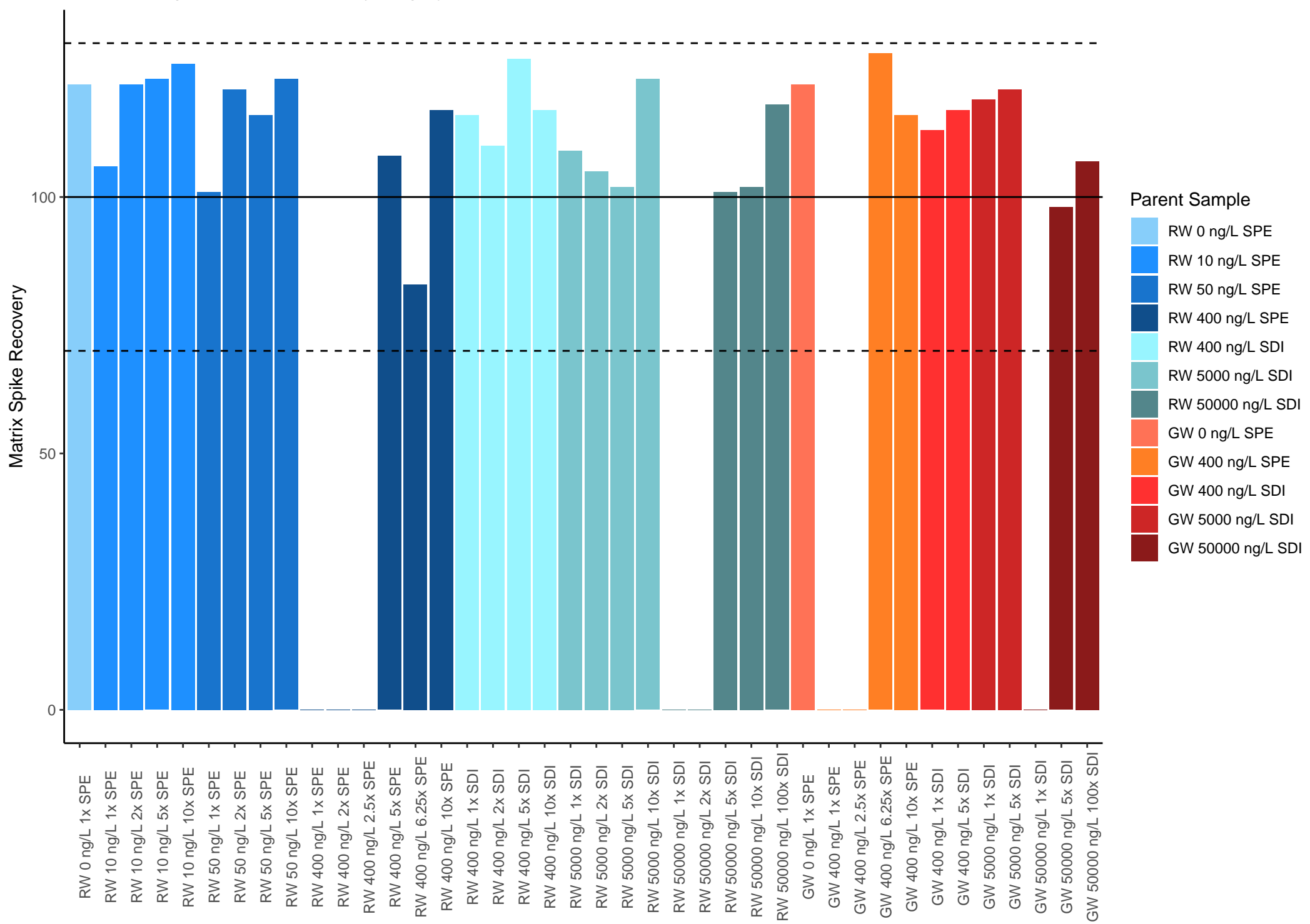
# Perfluoroheptanoic Acid

Matrix Spike Recovery



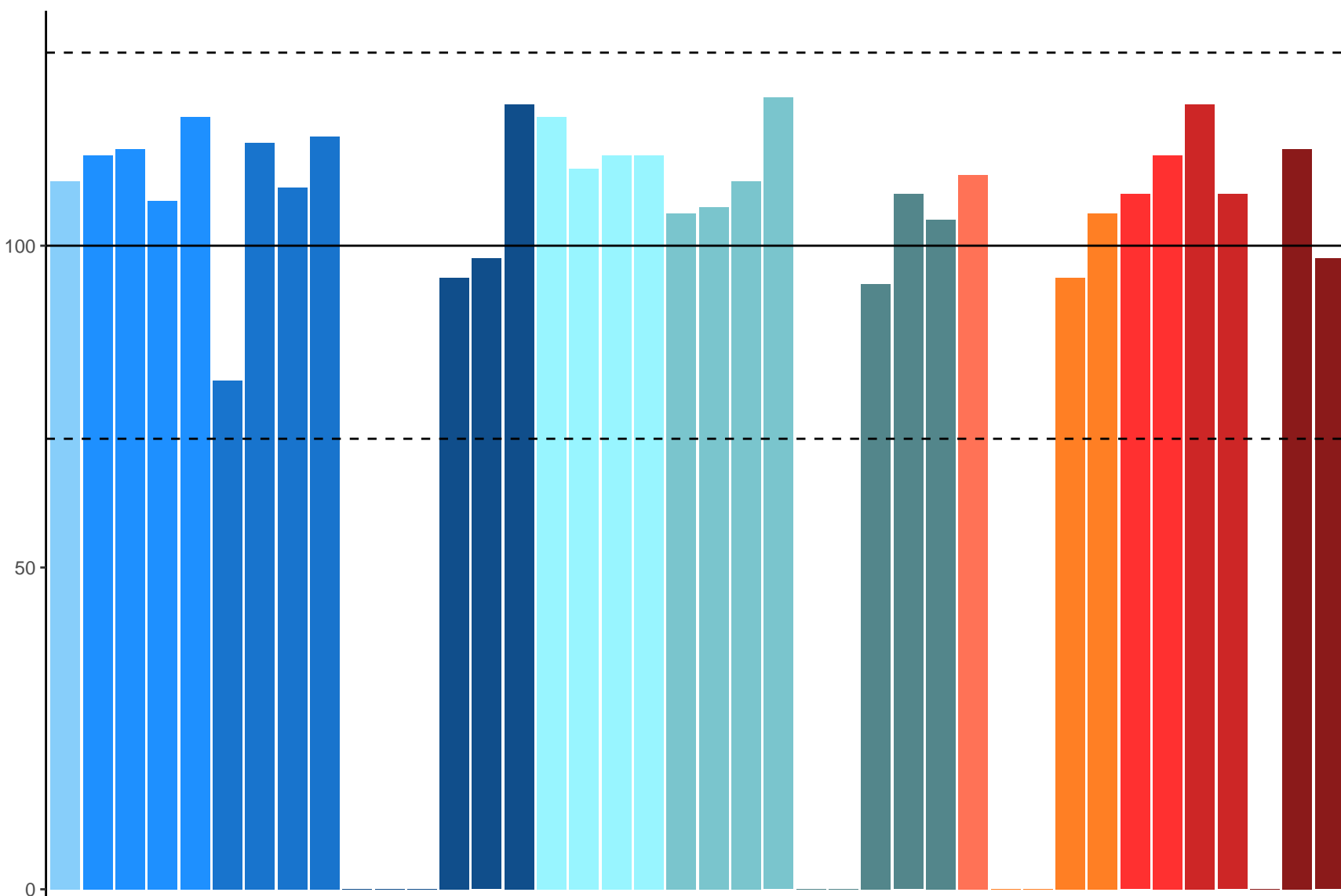
- Parent Sample**
- RW 0 ng/L SPE
  - RW 10 ng/L SPE
  - RW 50 ng/L SPE
  - RW 400 ng/L SPE
  - RW 400 ng/L SDI
  - RW 5000 ng/L SDI
  - RW 50000 ng/L SDI
  - GW 0 ng/L SPE
  - GW 400 ng/L SPE
  - GW 400 ng/L SDI
  - GW 5000 ng/L SDI
  - GW 50000 ng/L SDI

# Perfluoroheptane sulfonic acid (PFH<sub>p</sub>S)



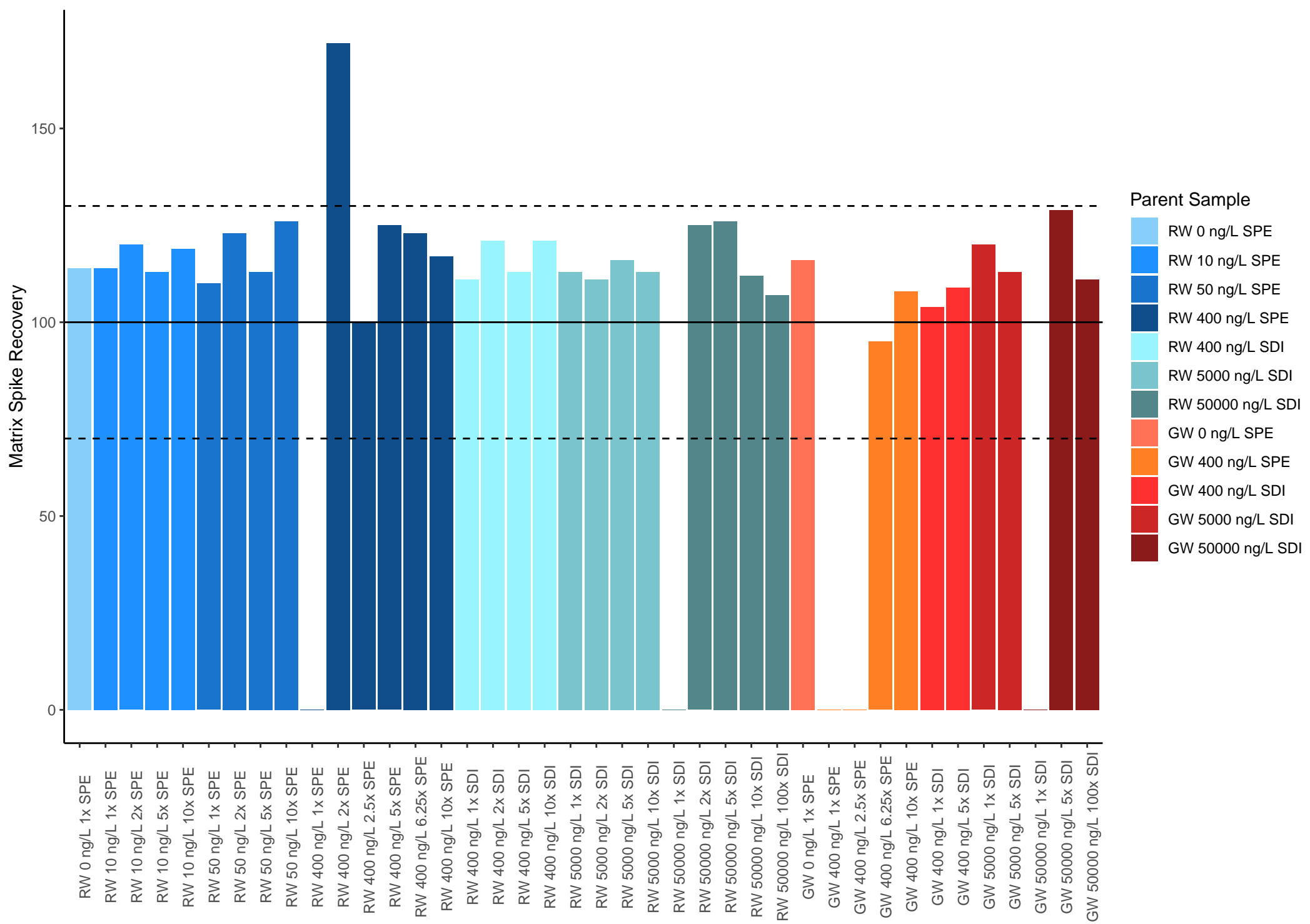
# Perfluorononanoic Acid

Matrix Spike Recovery



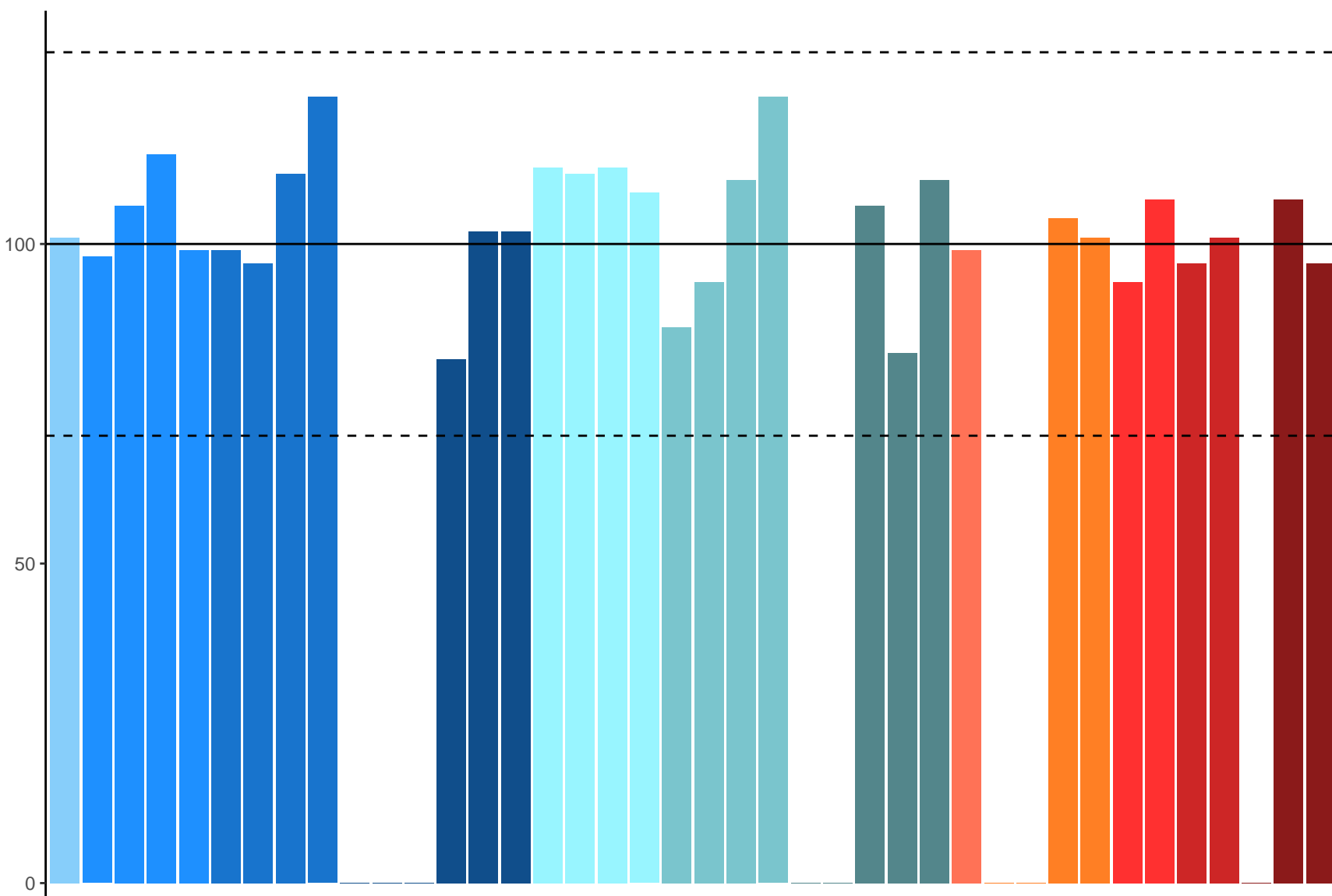
- Parent Sample
- RW 0 ng/L SPE
  - RW 10 ng/L SPE
  - RW 50 ng/L SPE
  - RW 400 ng/L SPE
  - RW 400 ng/L SDI
  - RW 5000 ng/L SDI
  - RW 50000 ng/L SDI
  - GW 0 ng/L SPE
  - GW 400 ng/L SPE
  - GW 400 ng/L SDI
  - GW 5000 ng/L SDI
  - GW 50000 ng/L SDI

# Perfluorotetradecanoic Acid



# PFECA-F

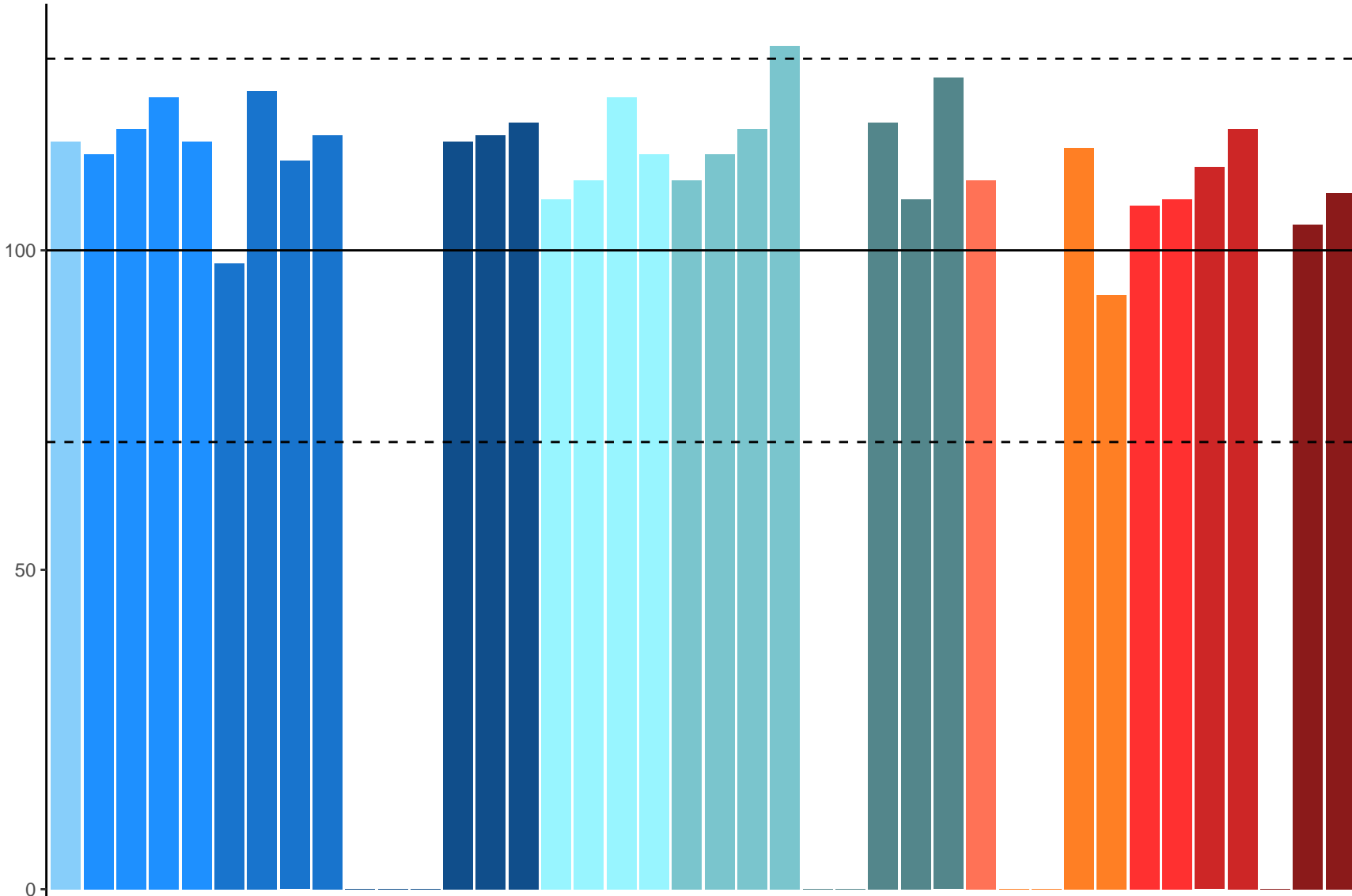
Matrix Spike Recovery



- Parent Sample**
- RW 0 ng/L SPE
  - RW 10 ng/L SPE
  - RW 50 ng/L SPE
  - RW 400 ng/L SPE
  - RW 400 ng/L SDI
  - RW 5000 ng/L SDI
  - RW 50000 ng/L SDI
  - GW 0 ng/L SPE
  - GW 400 ng/L SPE
  - GW 400 ng/L SDI
  - GW 5000 ng/L SDI
  - GW 50000 ng/L SDI

8:2 FTS

Matrix Spike Recovery

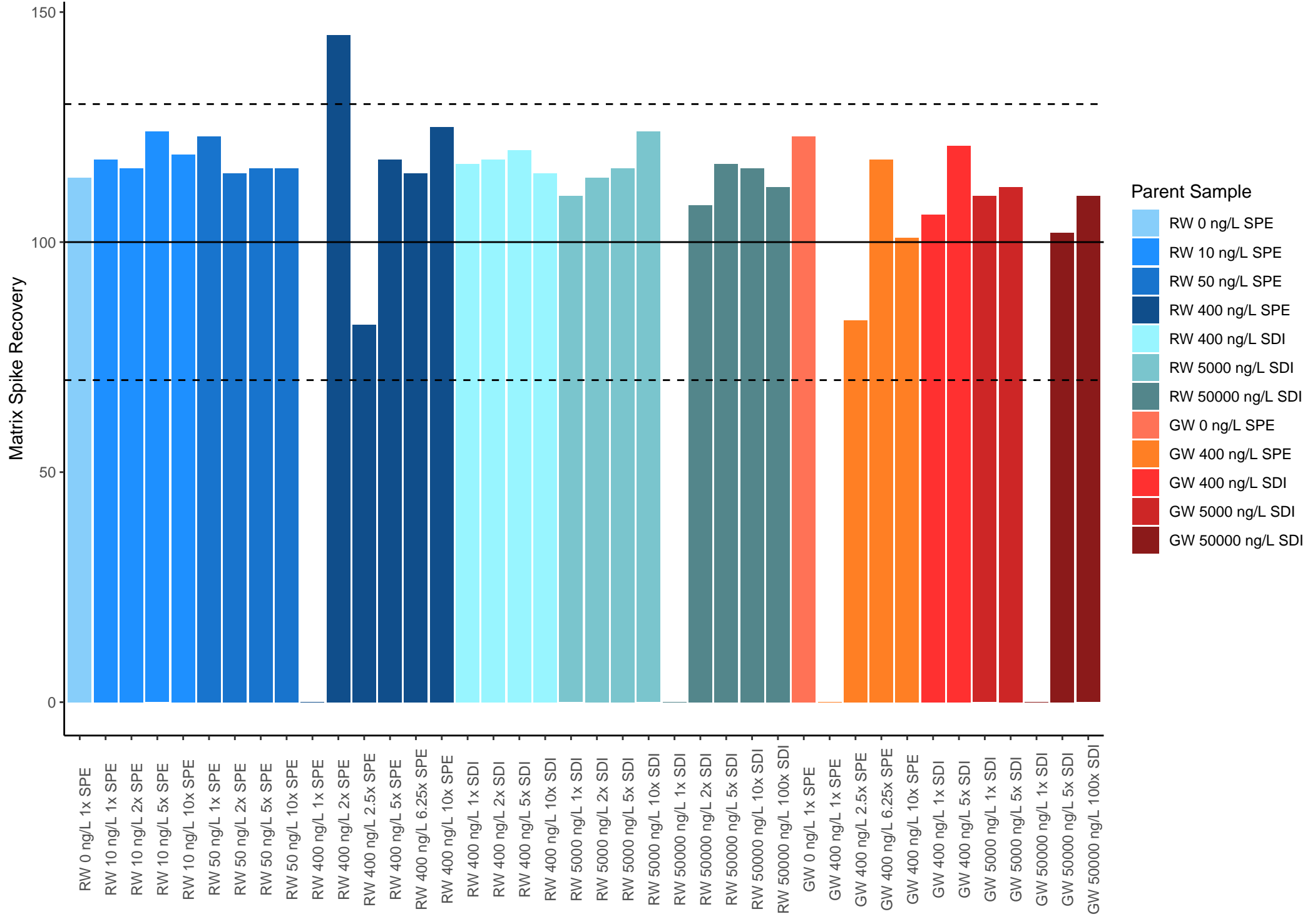


Parent Sample

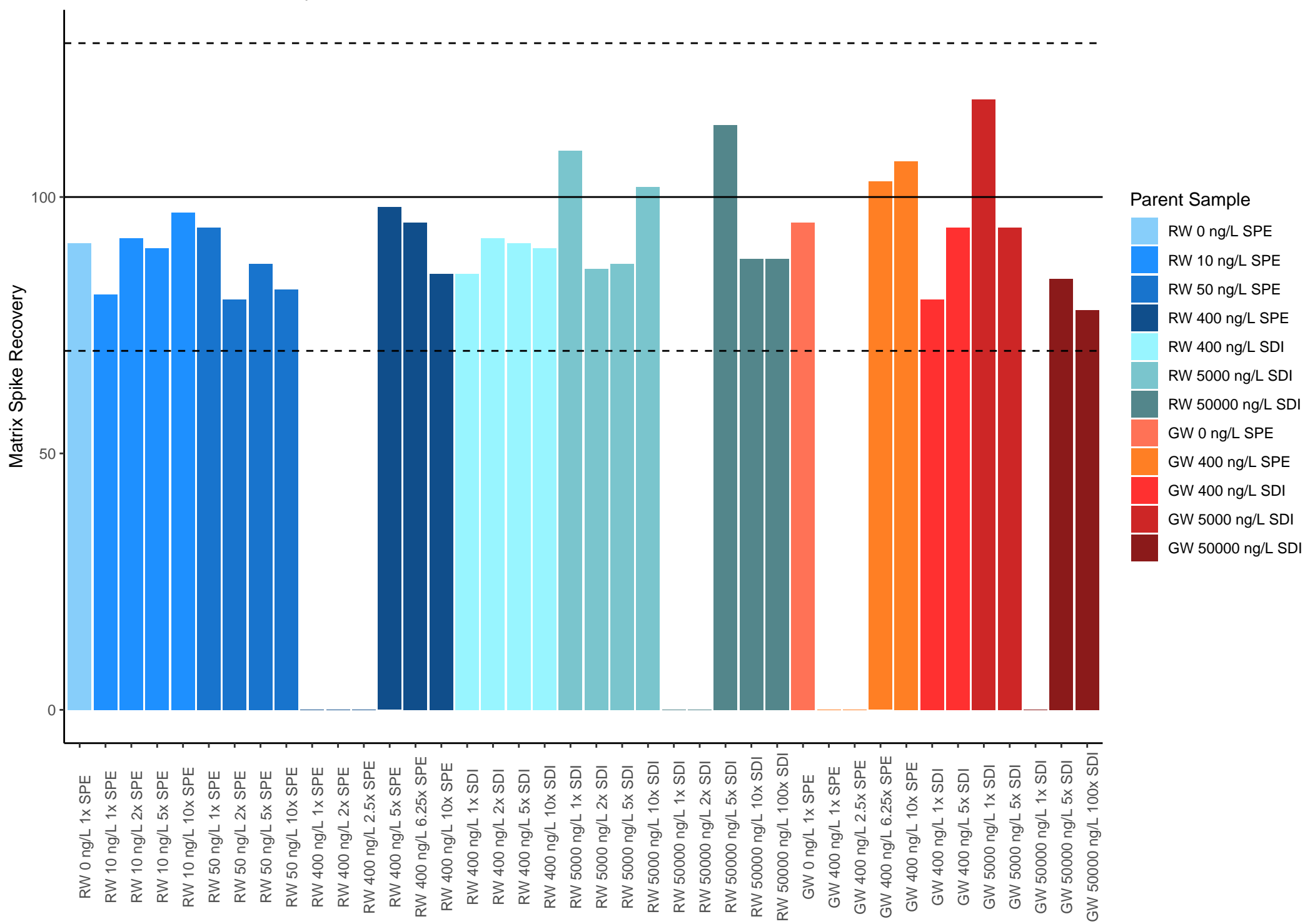
- RW 0 ng/L SPE
- RW 10 ng/L SPE
- RW 50 ng/L SPE
- RW 400 ng/L SPE
- RW 400 ng/L SDI
- RW 5000 ng/L SDI
- RW 50000 ng/L SDI
- GW 0 ng/L SPE
- GW 400 ng/L SPE
- GW 400 ng/L SDI
- GW 5000 ng/L SDI
- GW 50000 ng/L SDI



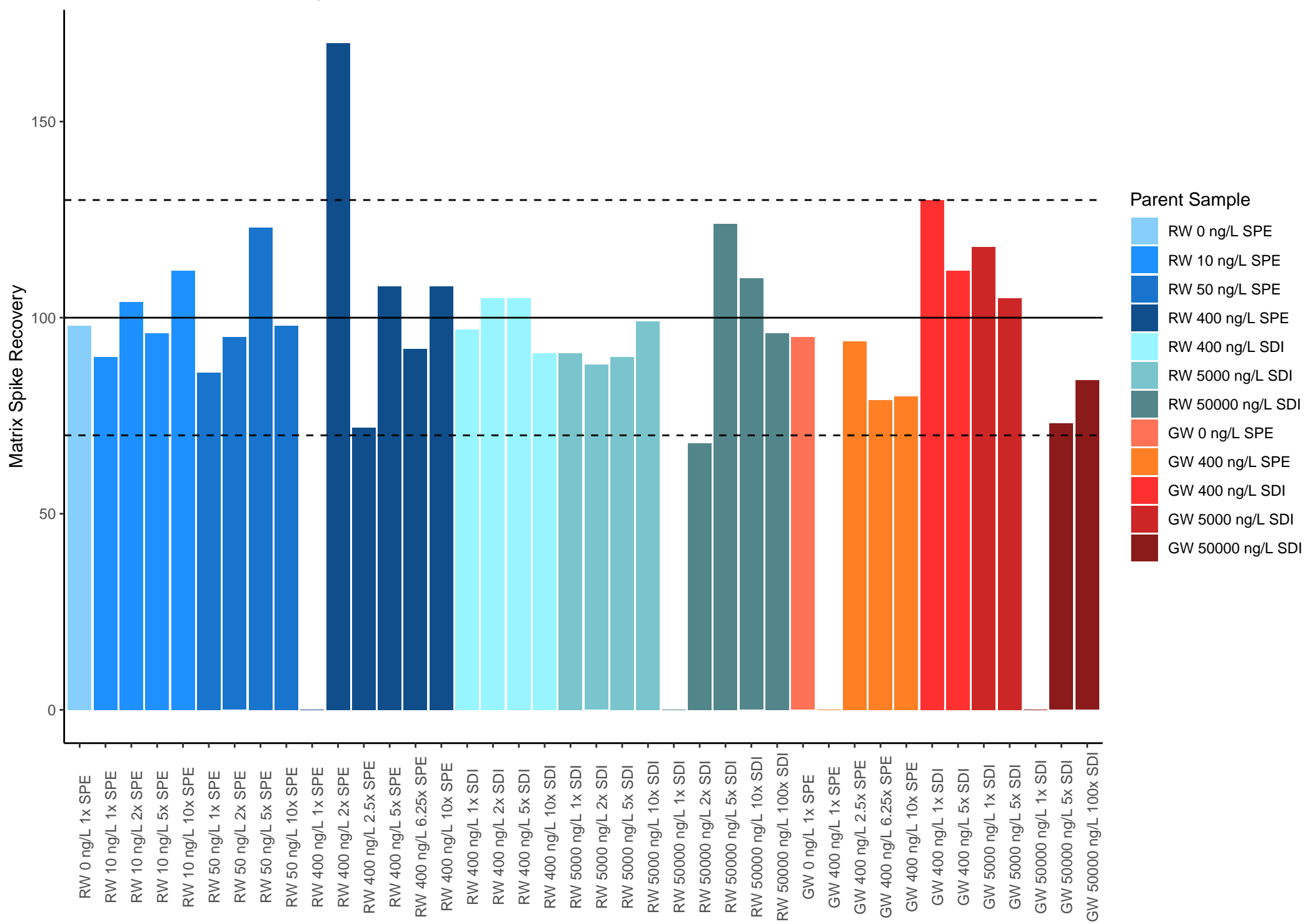
# N-ethylperfluoro-1-octanesulfonamide



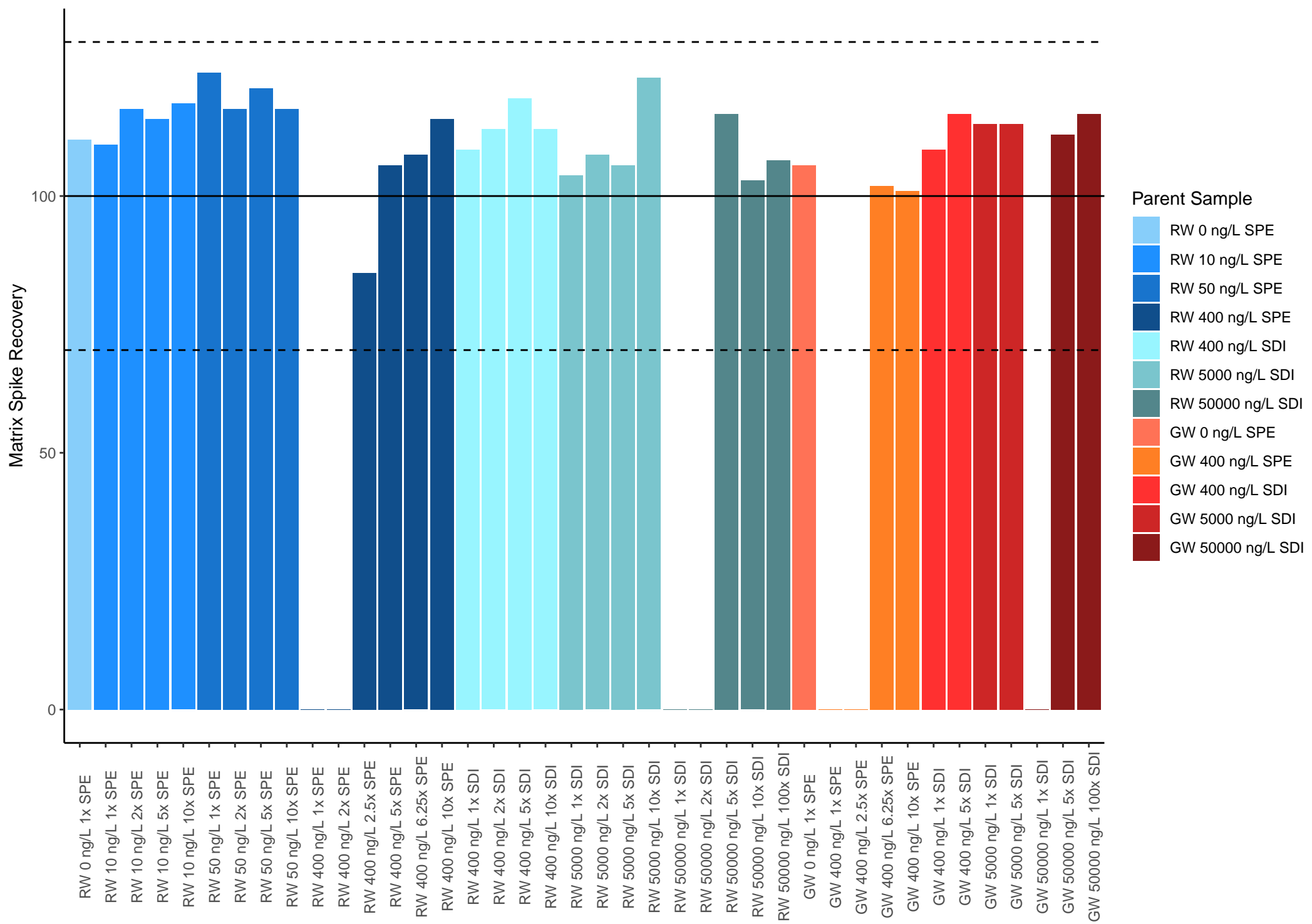
# 6:2 Fluorotelomer carboxylic acid



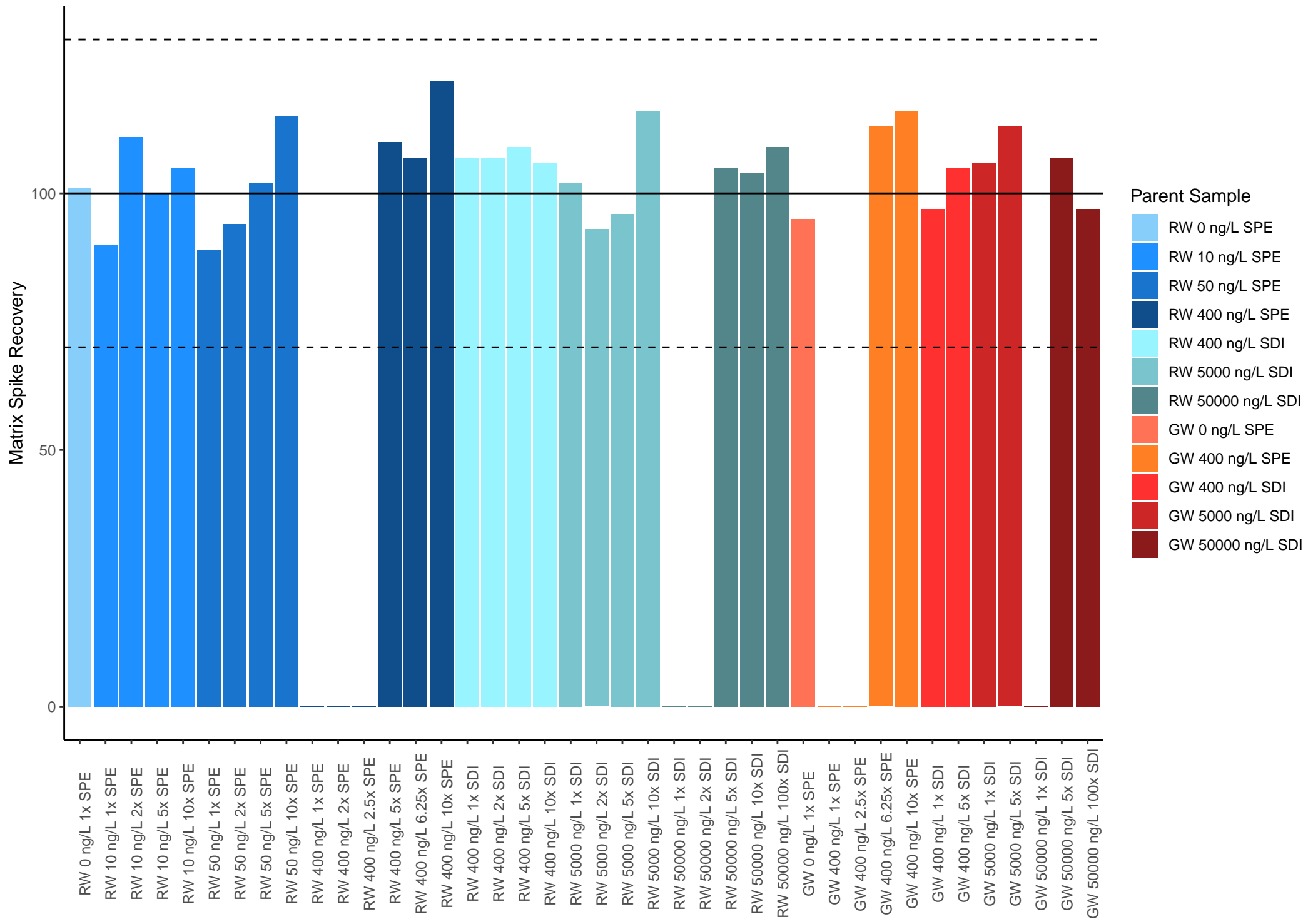
# 10:2 Fluorotelomer carboxylic acid



# Perfluorohexadecanoic acid (PFHxDA)

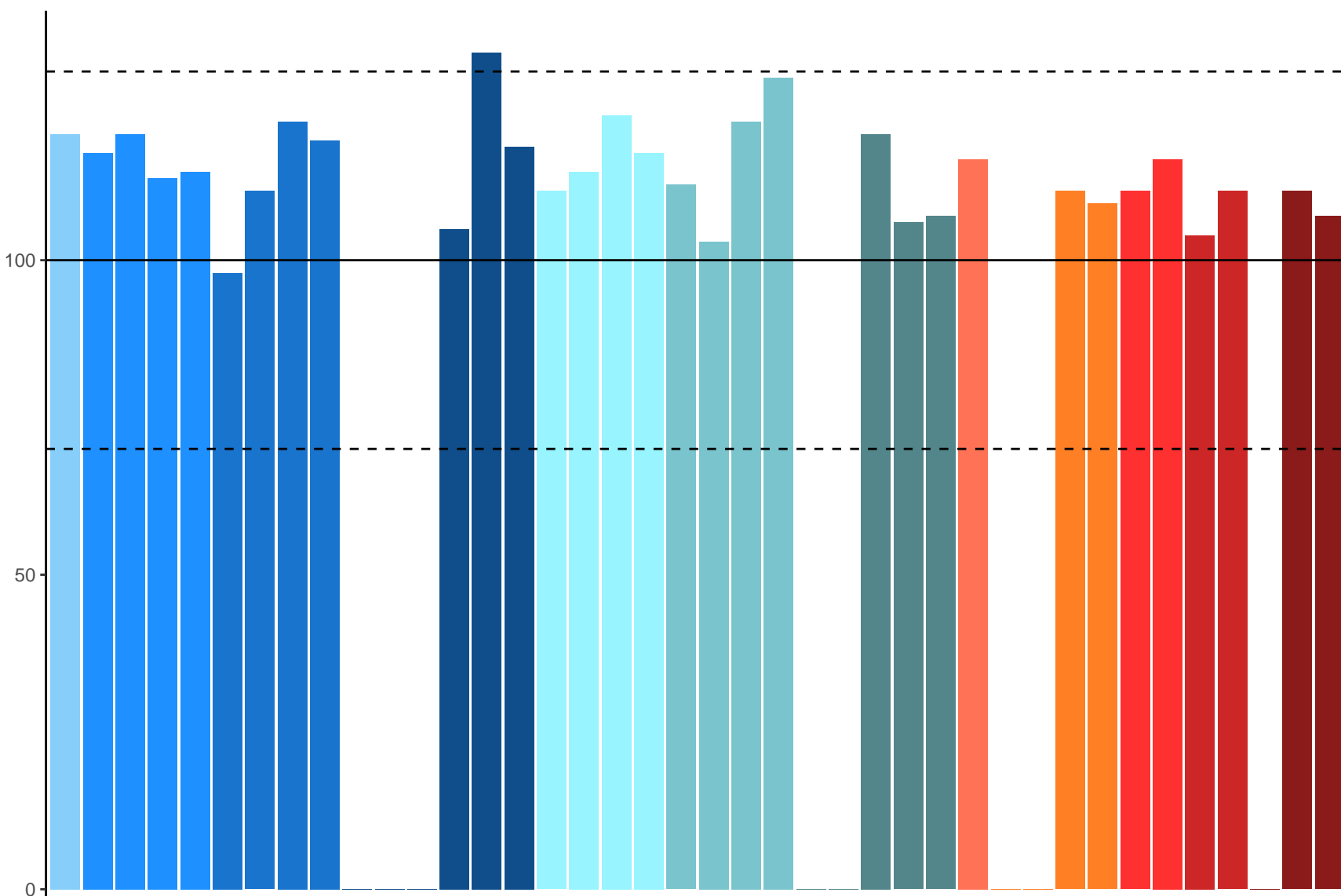


# Perfluorononane sulfonic acid



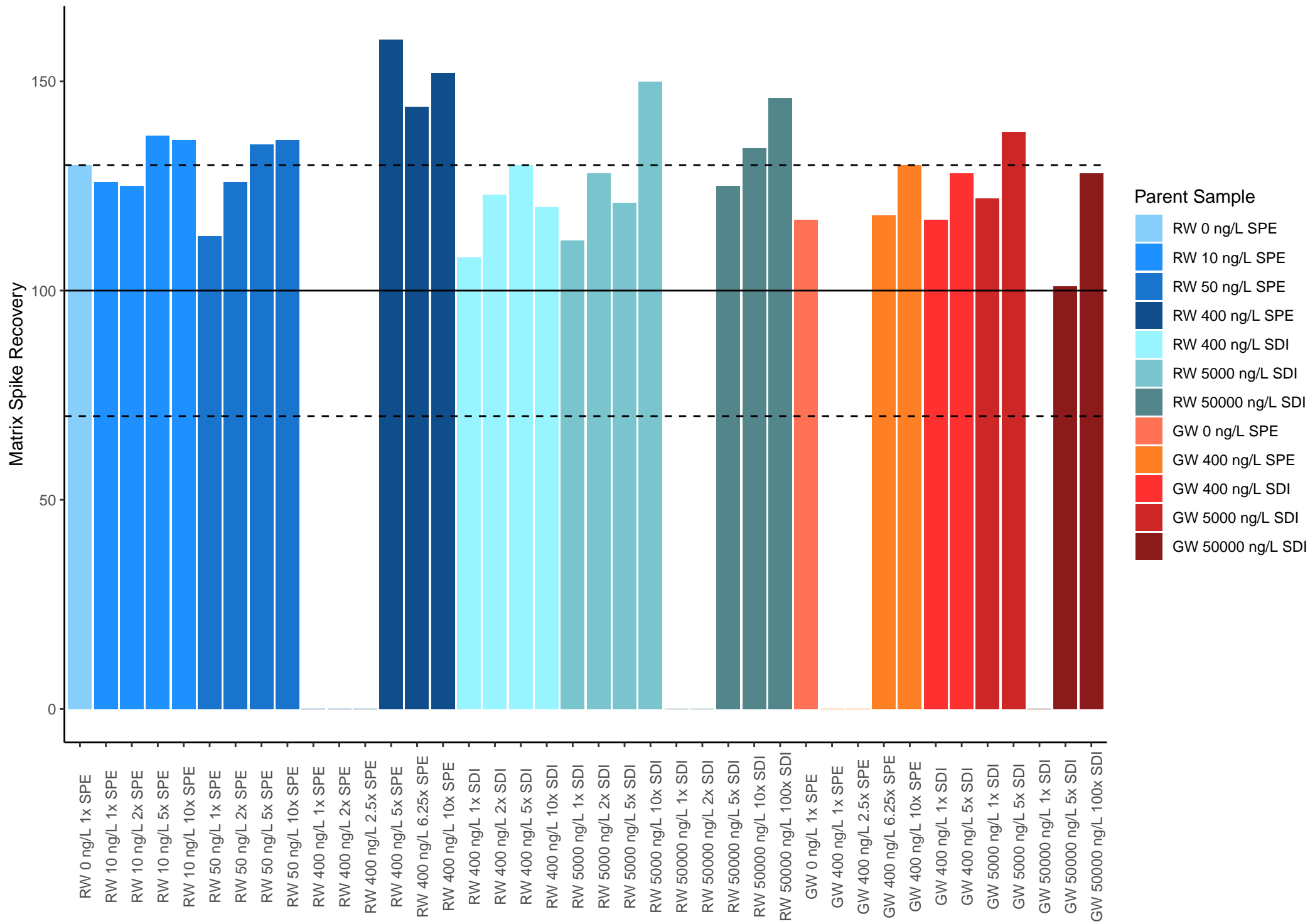
# 8:2 Fluorotelemer unsaturated acid

Matrix Spike Recovery

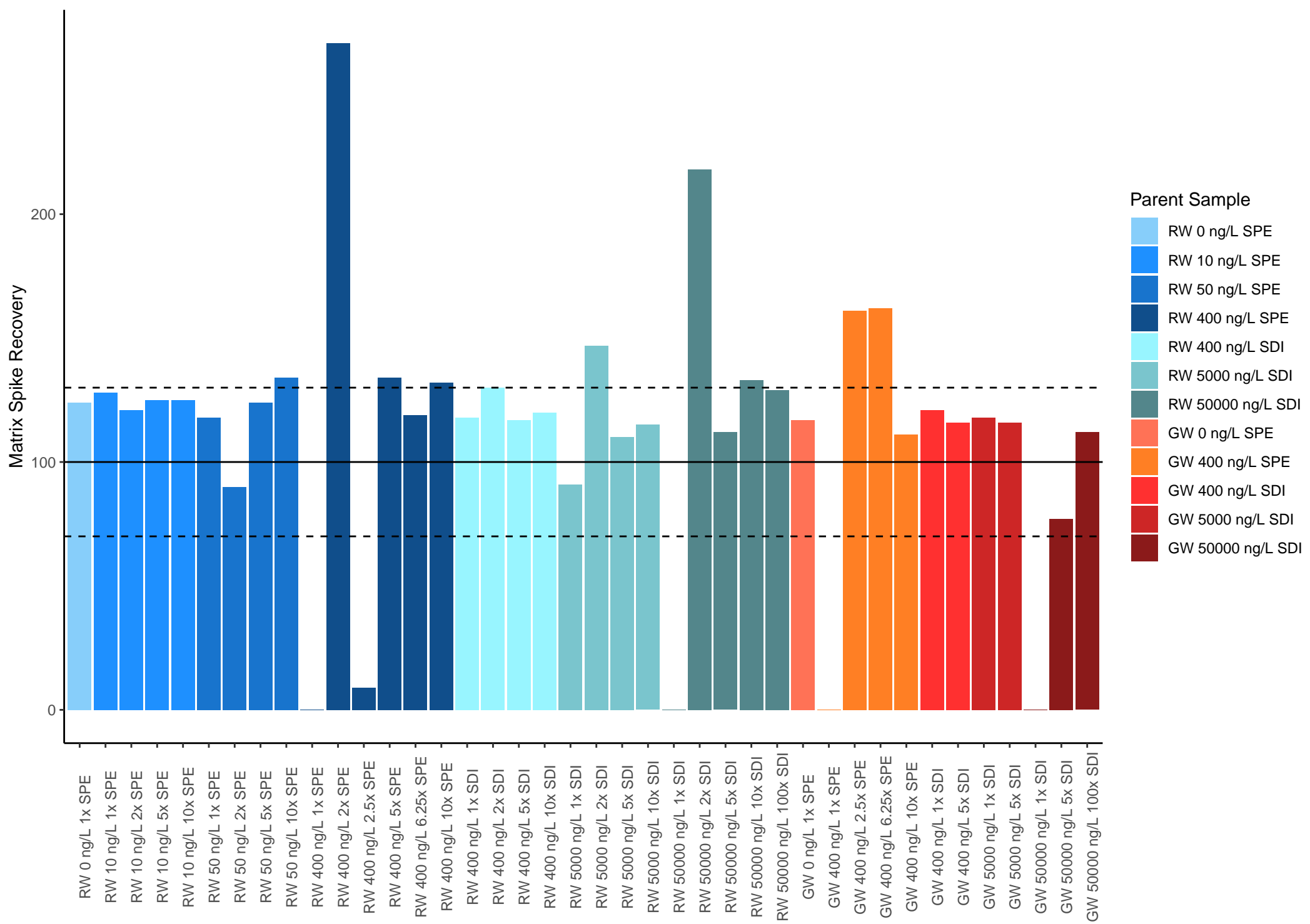


- Parent Sample
- RW 0 ng/L SPE
  - RW 10 ng/L SPE
  - RW 50 ng/L SPE
  - RW 400 ng/L SPE
  - RW 400 ng/L SDI
  - RW 5000 ng/L SDI
  - RW 50000 ng/L SDI
  - GW 0 ng/L SPE
  - GW 400 ng/L SPE
  - GW 400 ng/L SDI
  - GW 5000 ng/L SDI
  - GW 50000 ng/L SDI

# 6:2 Fluorotelemer unsaturated acid

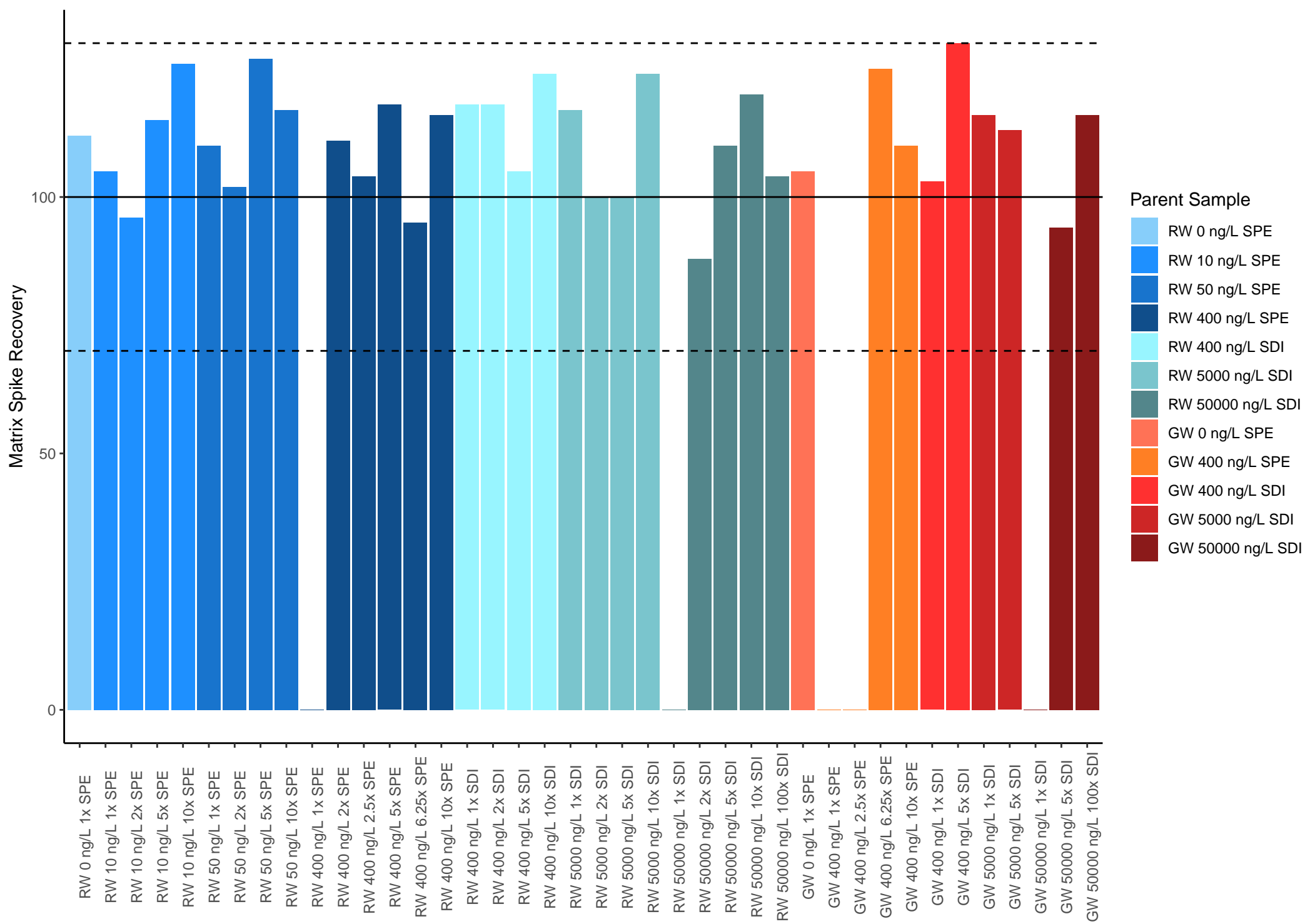


# 2H-Perfluoro-2-dodecanoic acid

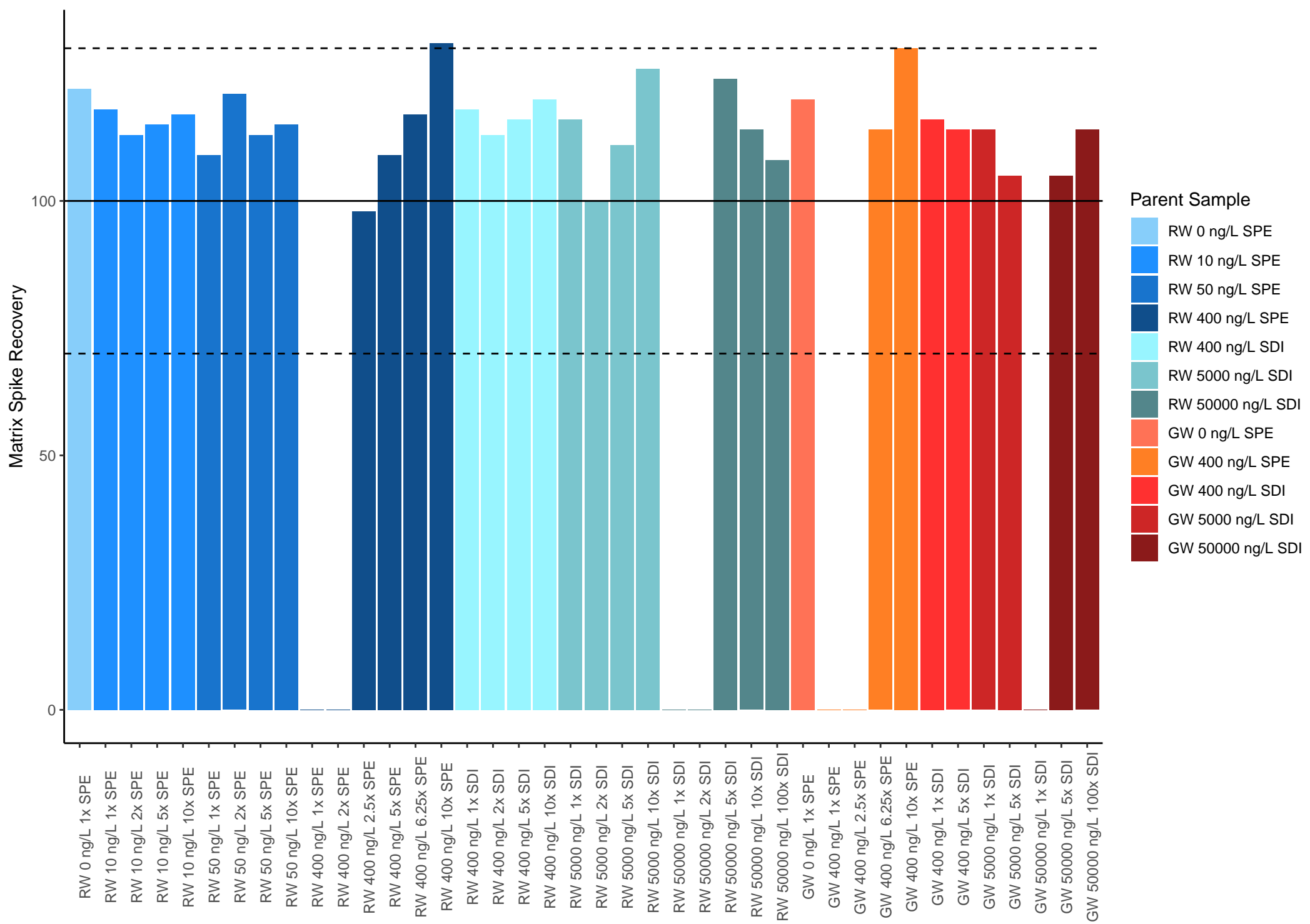




# Perfluorotridecanoic Acid

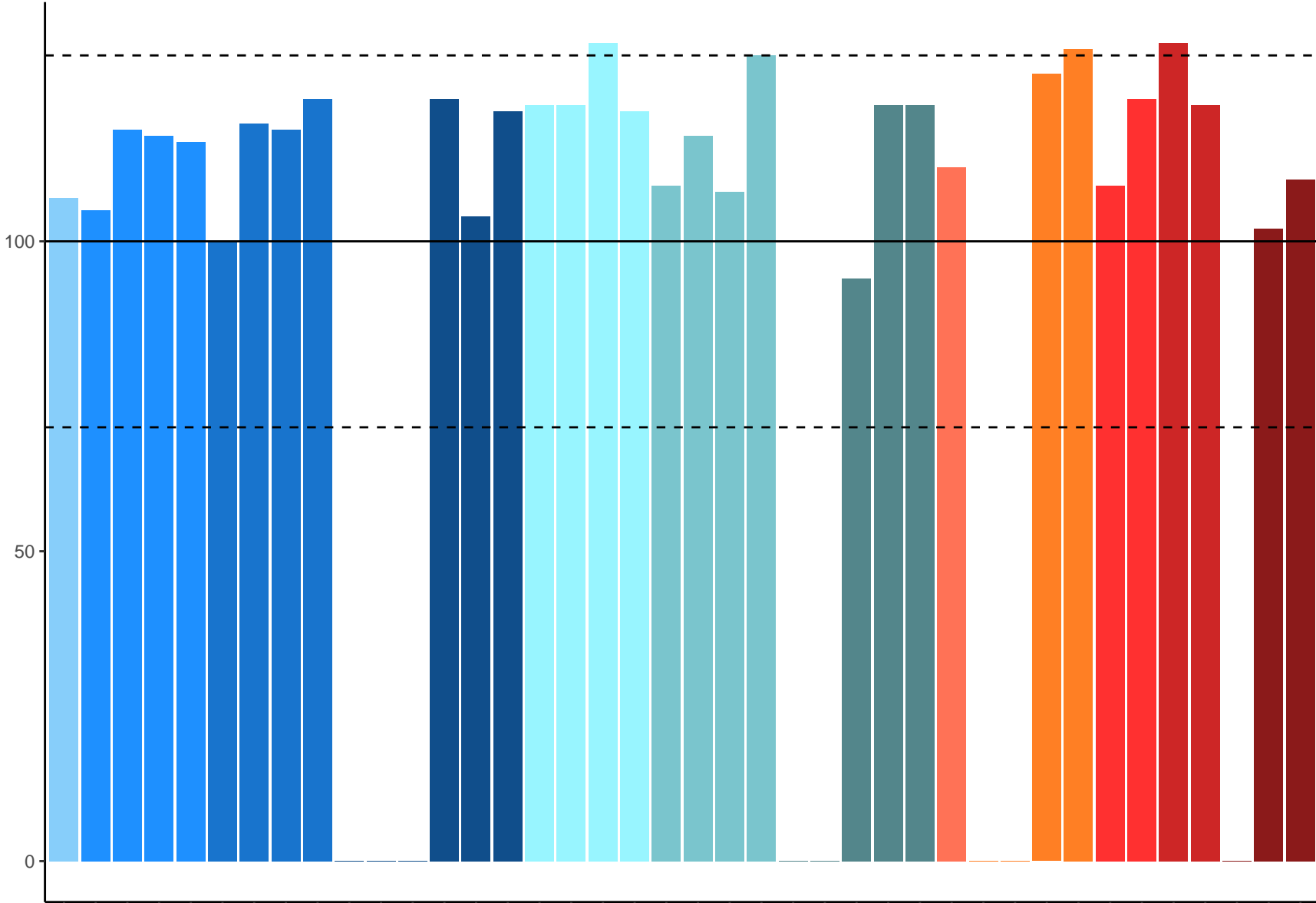


# Perfluorooctane Sulfonamide



# 9CI-PF3ONS

Matrix Spike Recovery

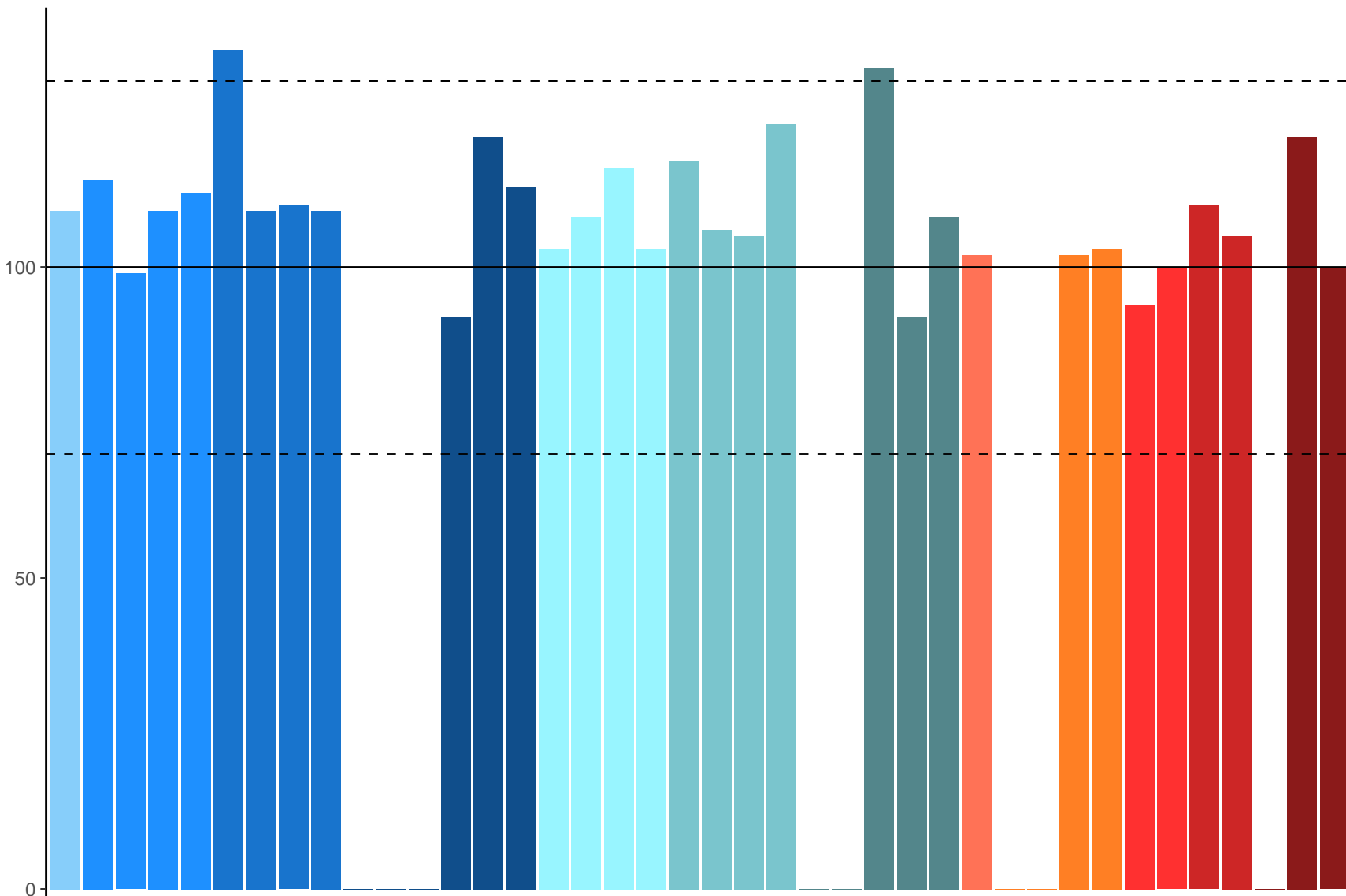


## Parent Sample

- RW 0 ng/L SPE
- RW 10 ng/L SPE
- RW 50 ng/L SPE
- RW 400 ng/L SPE
- RW 400 ng/L SDI
- RW 5000 ng/L SDI
- RW 50000 ng/L SDI
- GW 0 ng/L SPE
- GW 400 ng/L SPE
- GW 400 ng/L SDI
- GW 5000 ng/L SDI
- GW 50000 ng/L SDI

4:2 FTS

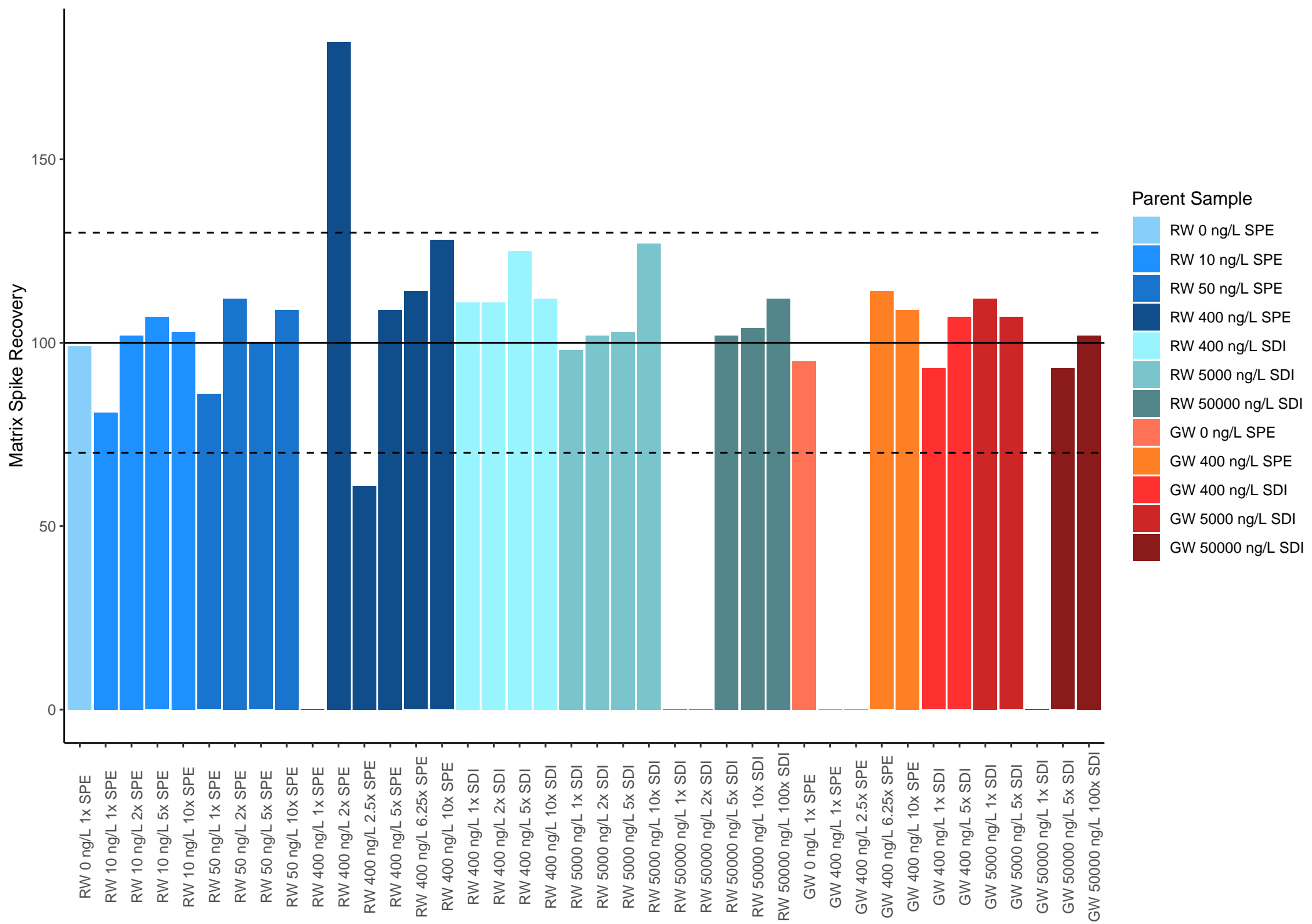
Matrix Spike Recovery



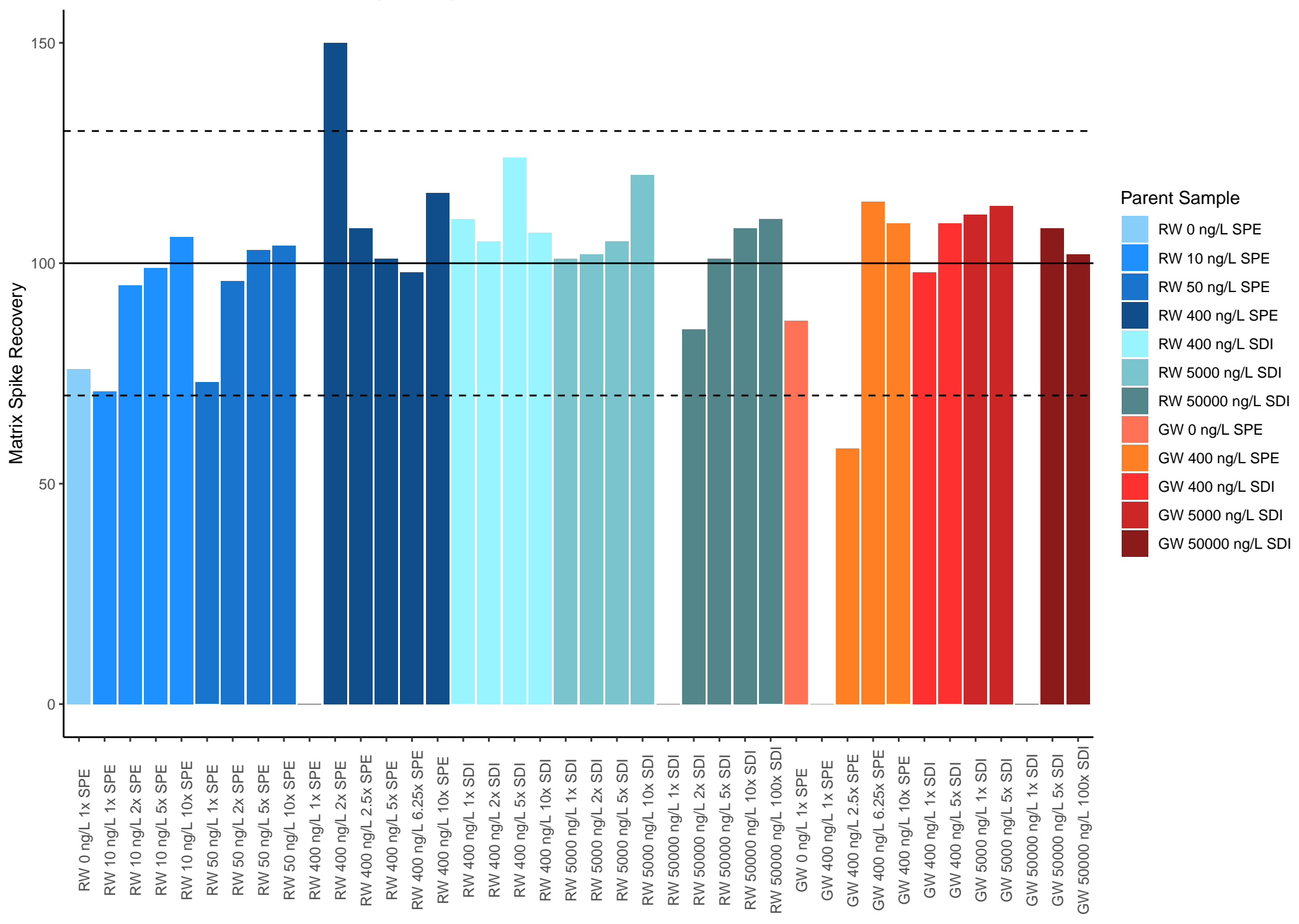
Parent Sample

- RW 0 ng/L SPE
- RW 10 ng/L SPE
- RW 50 ng/L SPE
- RW 400 ng/L SPE
- RW 400 ng/L SDI
- RW 5000 ng/L SDI
- RW 50000 ng/L SDI
- GW 0 ng/L SPE
- GW 400 ng/L SPE
- GW 400 ng/L SDI
- GW 5000 ng/L SDI
- GW 50000 ng/L SDI

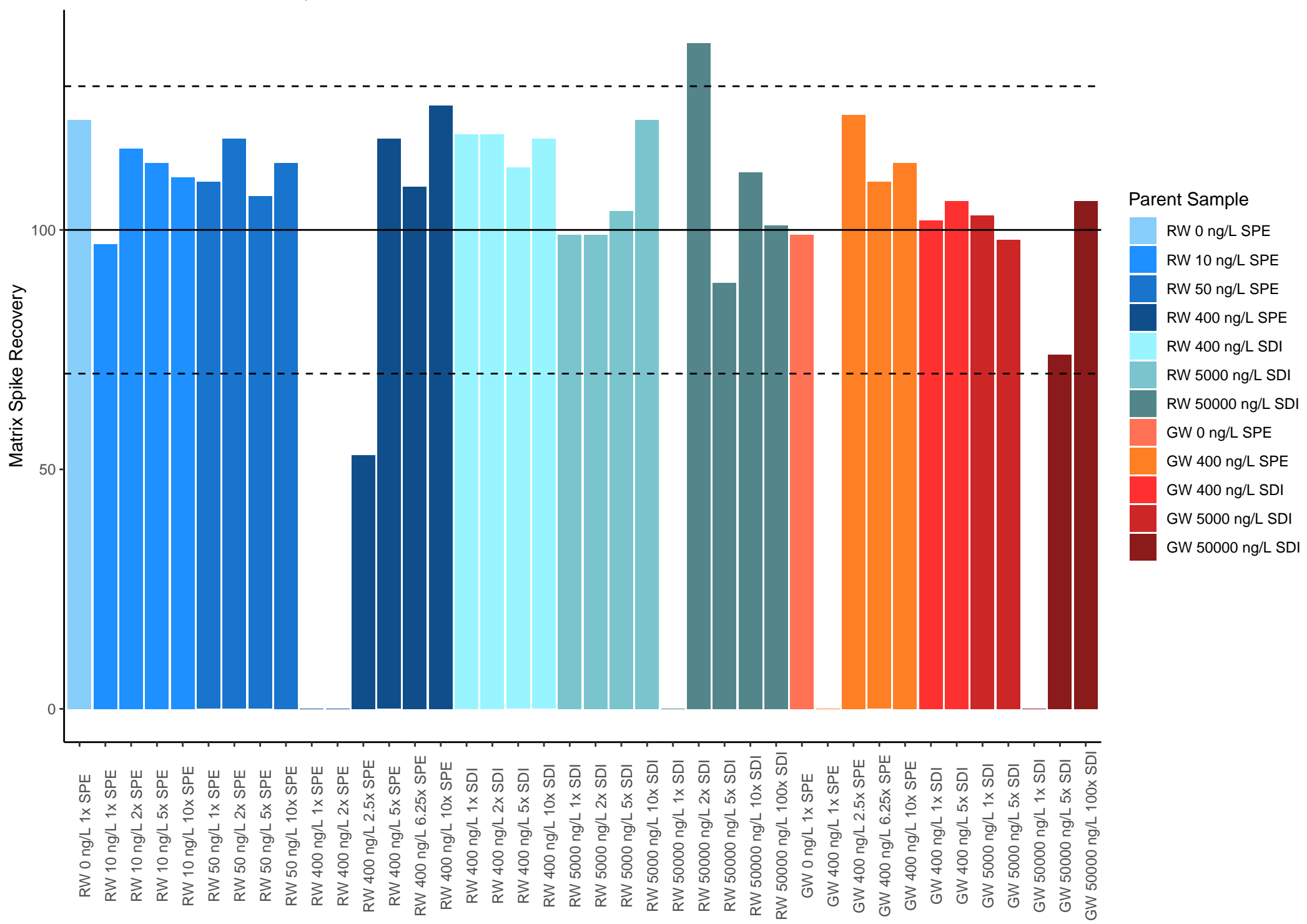
# 11CI-PF3OUds



# Perfluorododecane sulfonic acid (PFDoS)

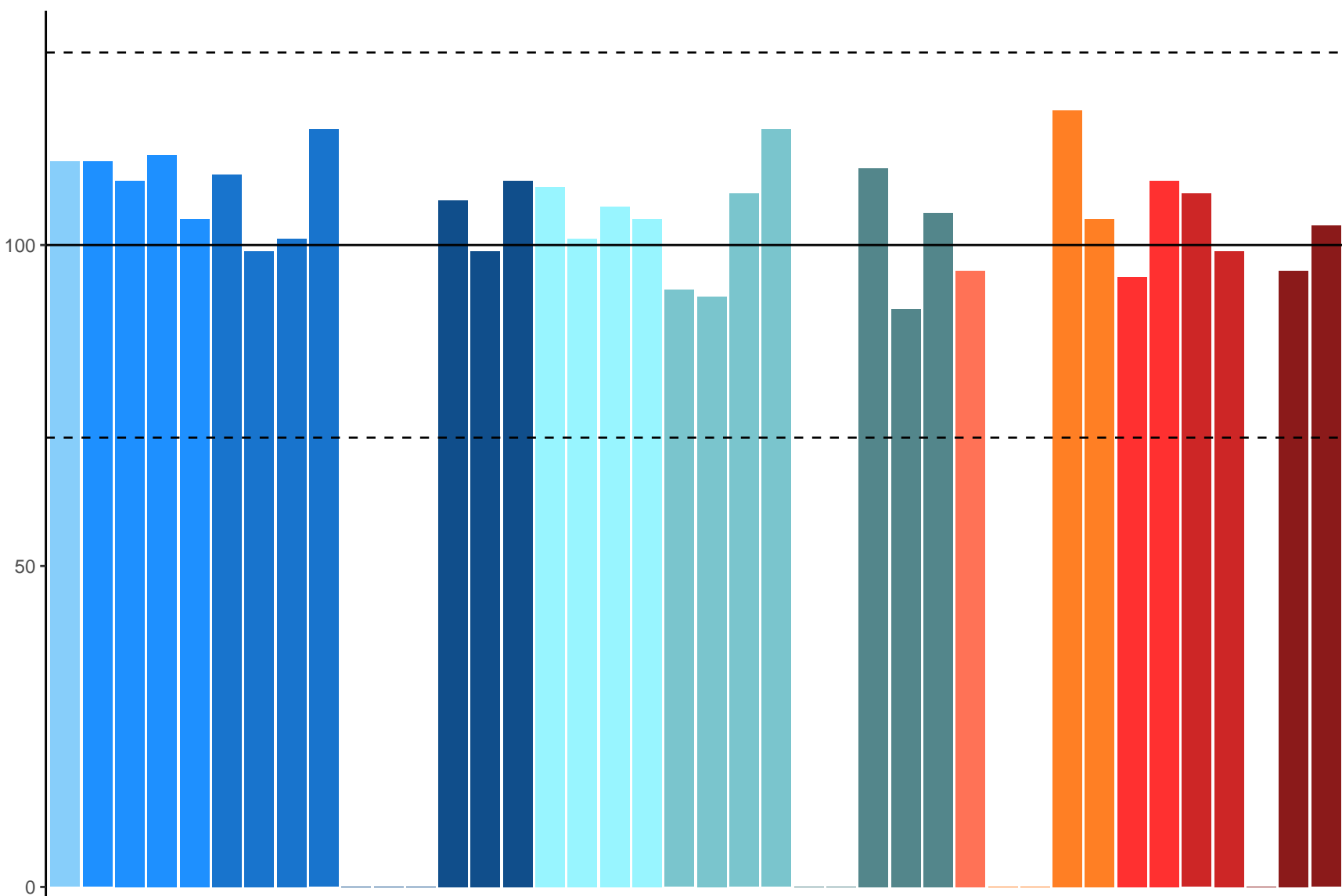


# 7:3 Fluorotelomer carboxylic acid



# PFECA-A

Matrix Spike Recovery



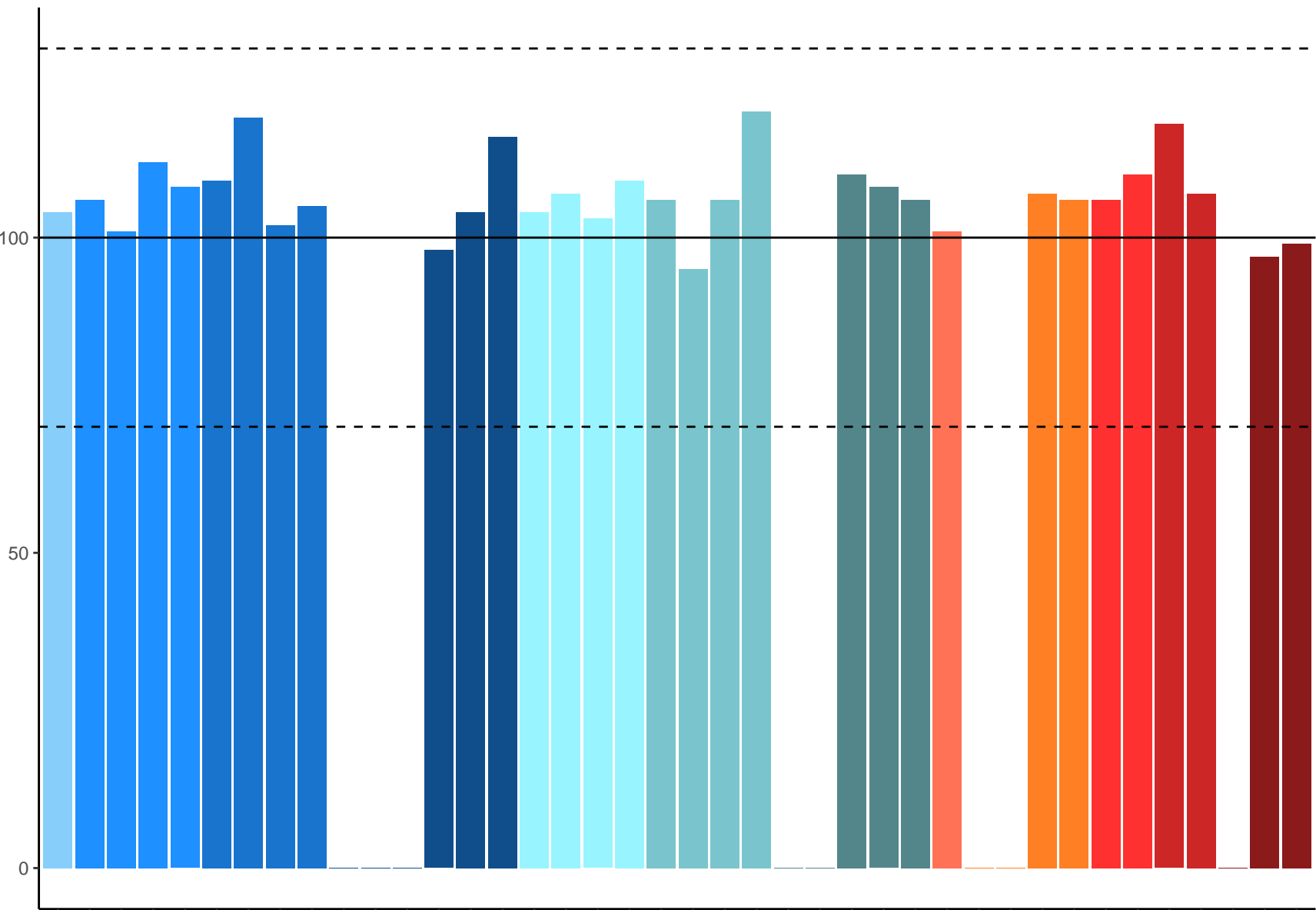
## Parent Sample

- RW 0 ng/L SPE
- RW 10 ng/L SPE
- RW 50 ng/L SPE
- RW 400 ng/L SPE
- RW 400 ng/L SDI
- RW 5000 ng/L SDI
- RW 50000 ng/L SDI
- GW 0 ng/L SPE
- GW 400 ng/L SPE
- GW 400 ng/L SDI
- GW 5000 ng/L SDI
- GW 50000 ng/L SDI



# 5:3 Fluorotelomer carboxylic acid

Matrix Spike Recovery

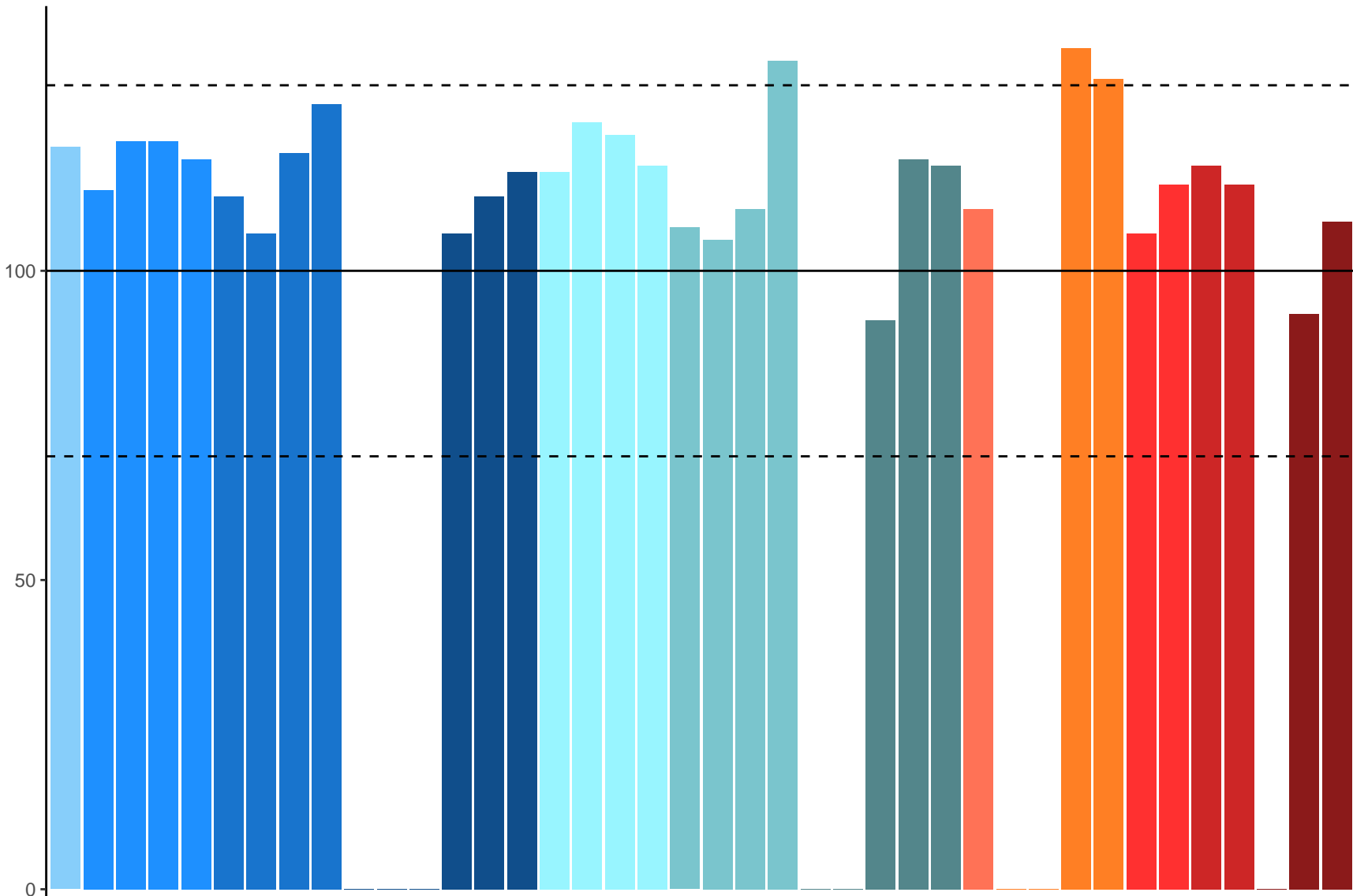


## Parent Sample

- RW 0 ng/L SPE
- RW 10 ng/L SPE
- RW 50 ng/L SPE
- RW 400 ng/L SPE
- RW 400 ng/L SDI
- RW 5000 ng/L SDI
- RW 50000 ng/L SDI
- GW 0 ng/L SPE
- GW 400 ng/L SPE
- GW 400 ng/L SDI
- GW 5000 ng/L SDI
- GW 50000 ng/L SDI

# DONA

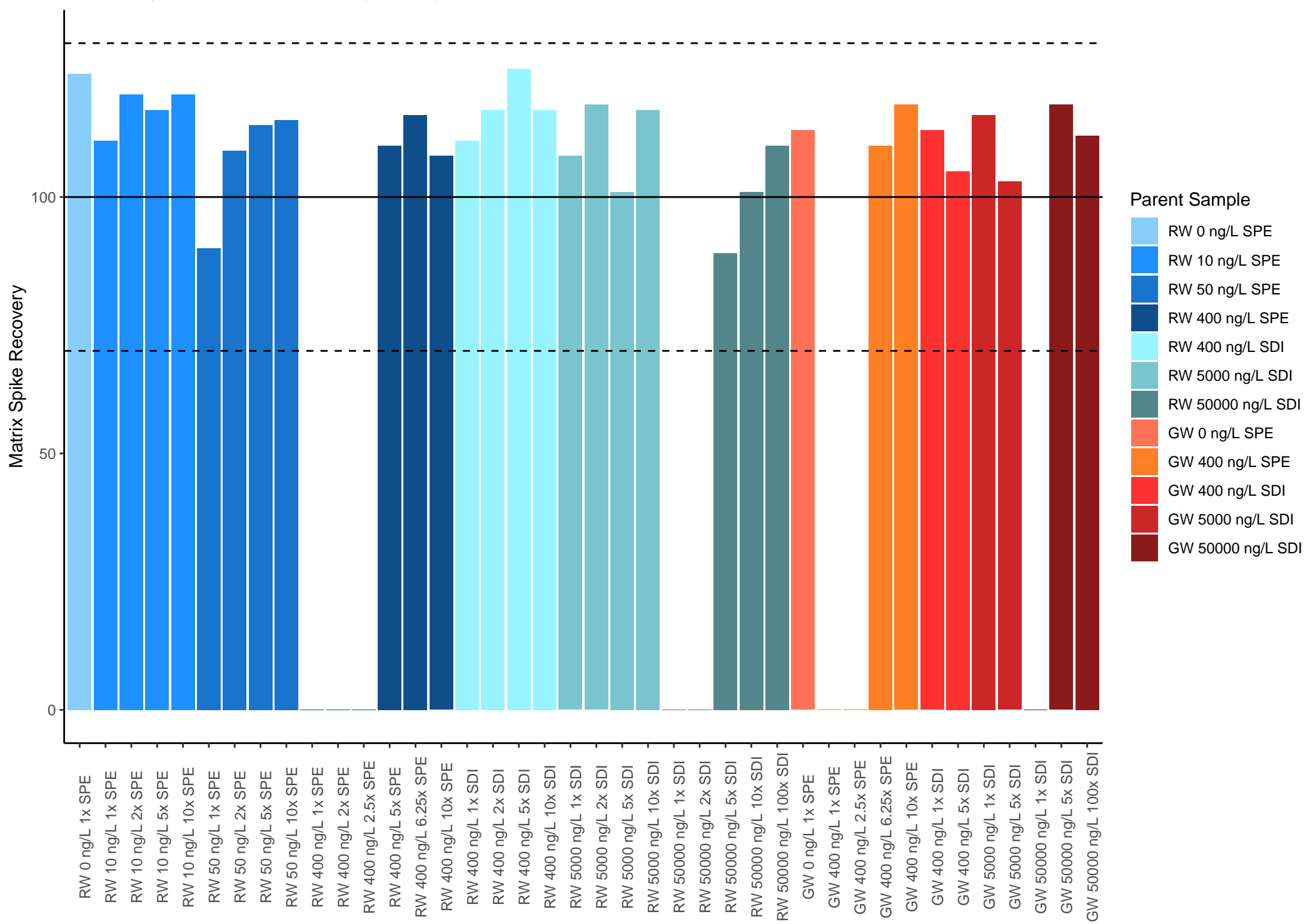
Matrix Spike Recovery



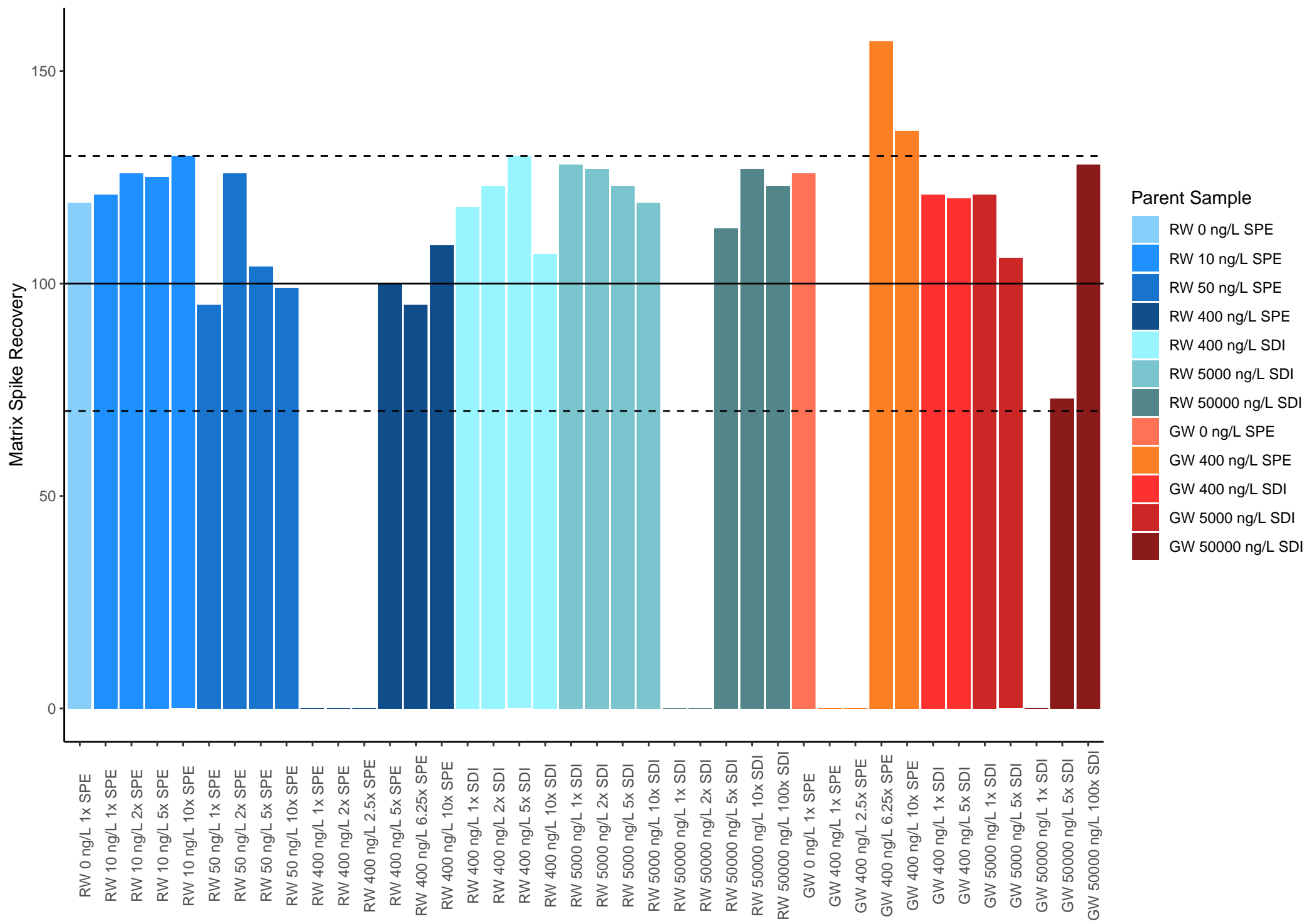
## Parent Sample

- RW 0 ng/L SPE
- RW 10 ng/L SPE
- RW 50 ng/L SPE
- RW 400 ng/L SPE
- RW 400 ng/L SDI
- RW 5000 ng/L SDI
- RW 50000 ng/L SDI
- GW 0 ng/L SPE
- GW 400 ng/L SPE
- GW 400 ng/L SDI
- GW 5000 ng/L SDI
- GW 50000 ng/L SDI

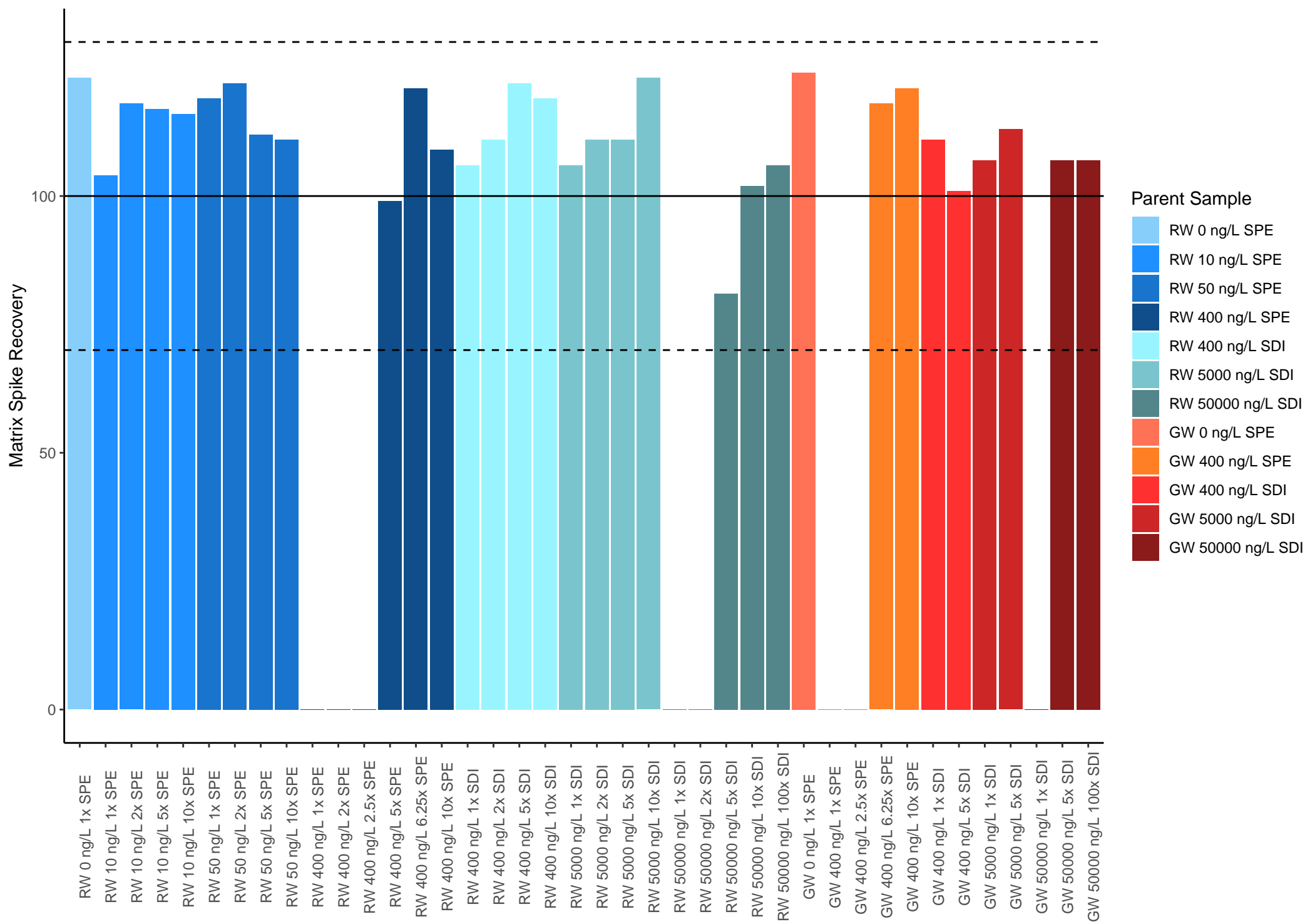
# Perfluoropentane sulfonic acid (PFPeS)



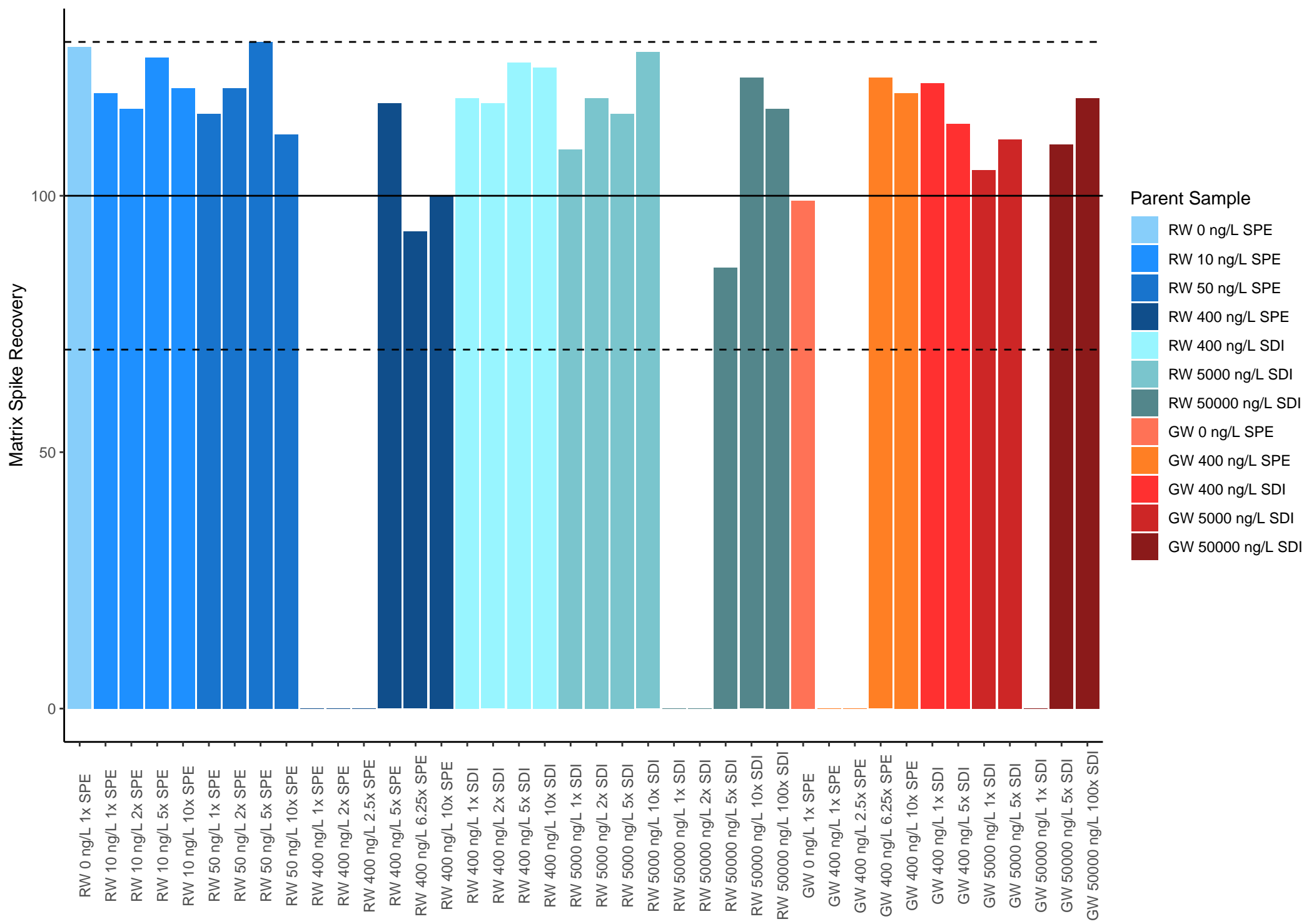
### 3:3 Fluorotelomer carboxylic acid



# Perfluorobutane Sulfonic Acid

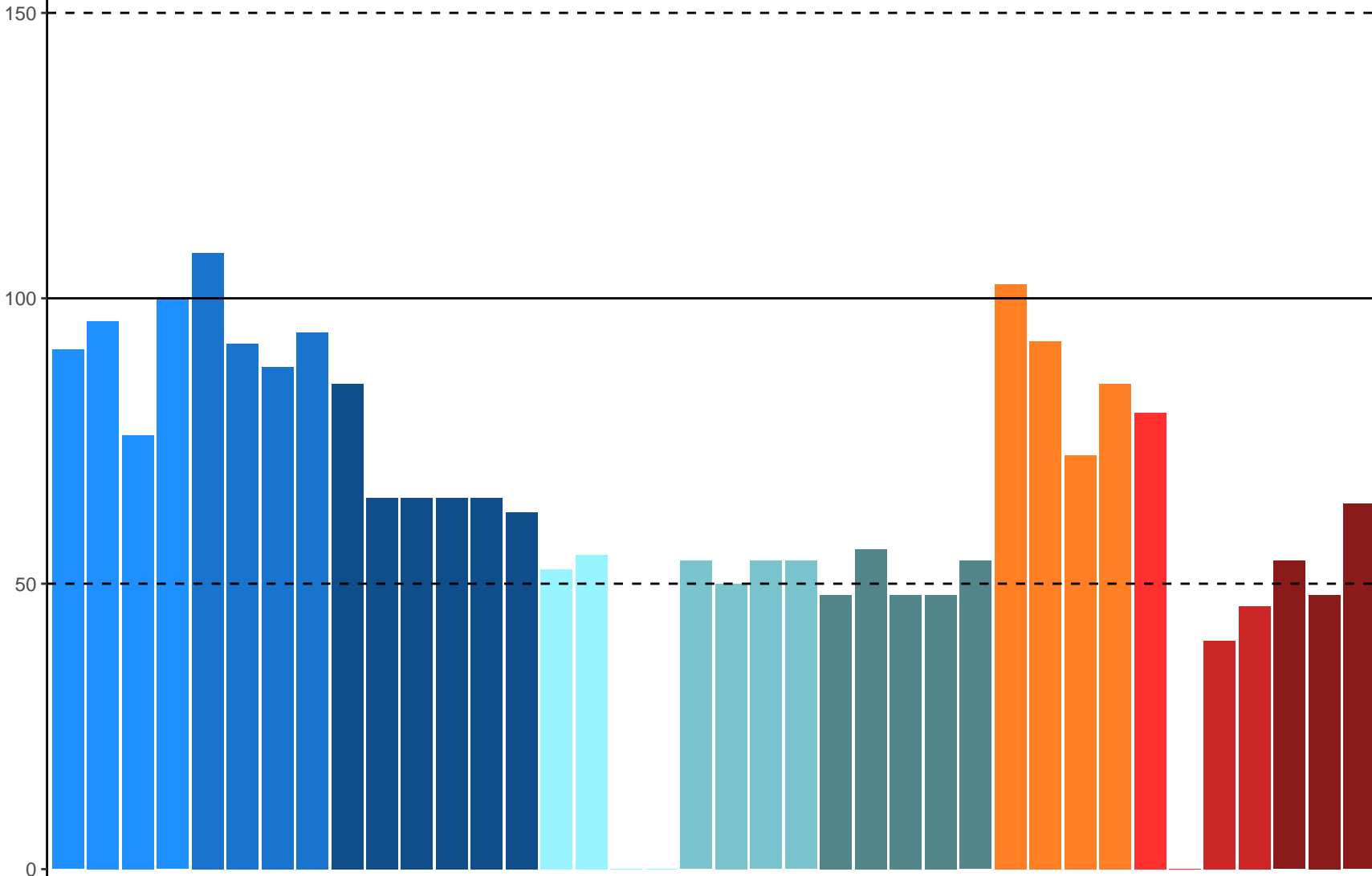


# Perfluoropropanesulfonic acid



10:2 FTS

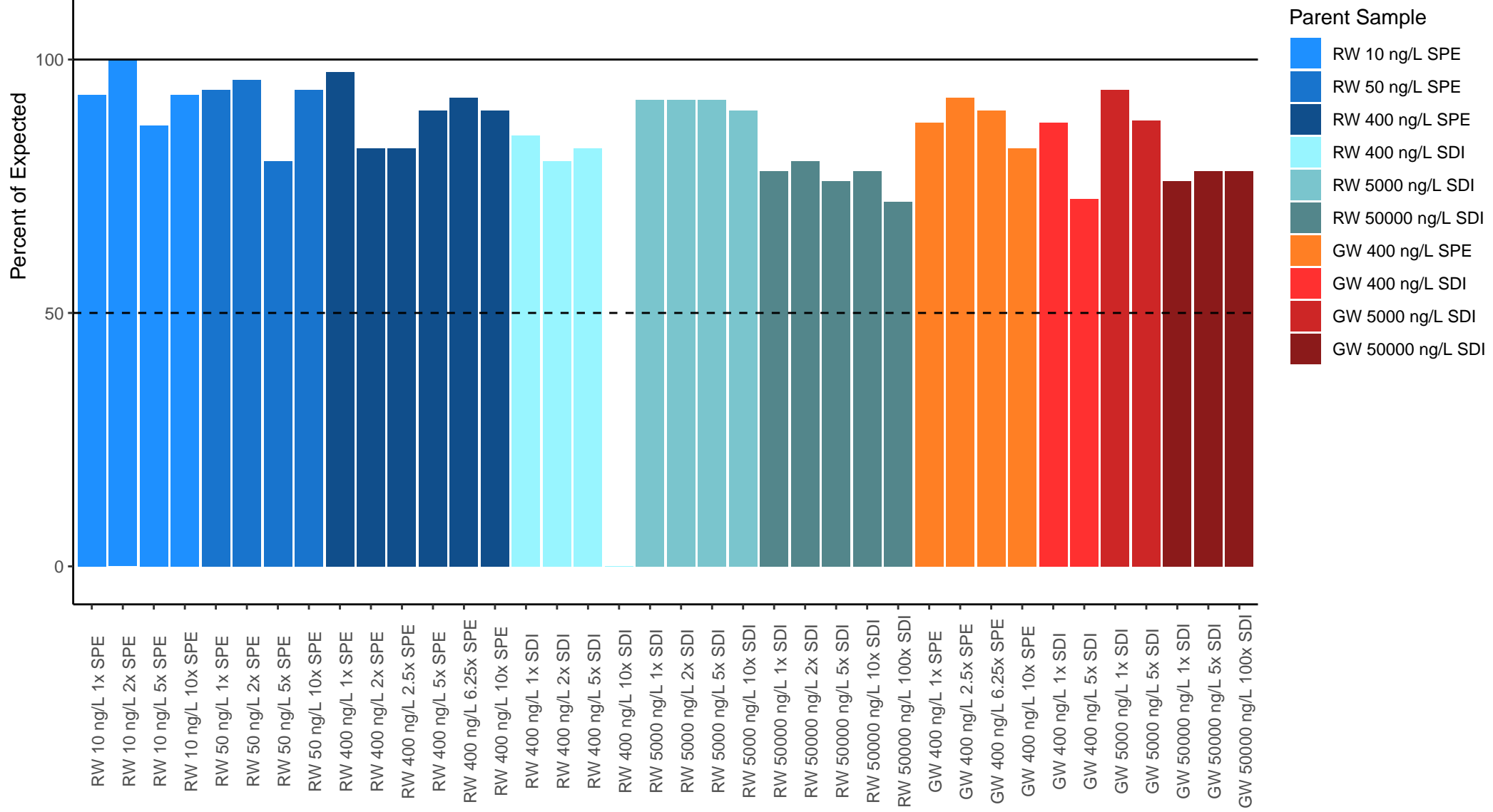
Percent of Expected



Parent Sample

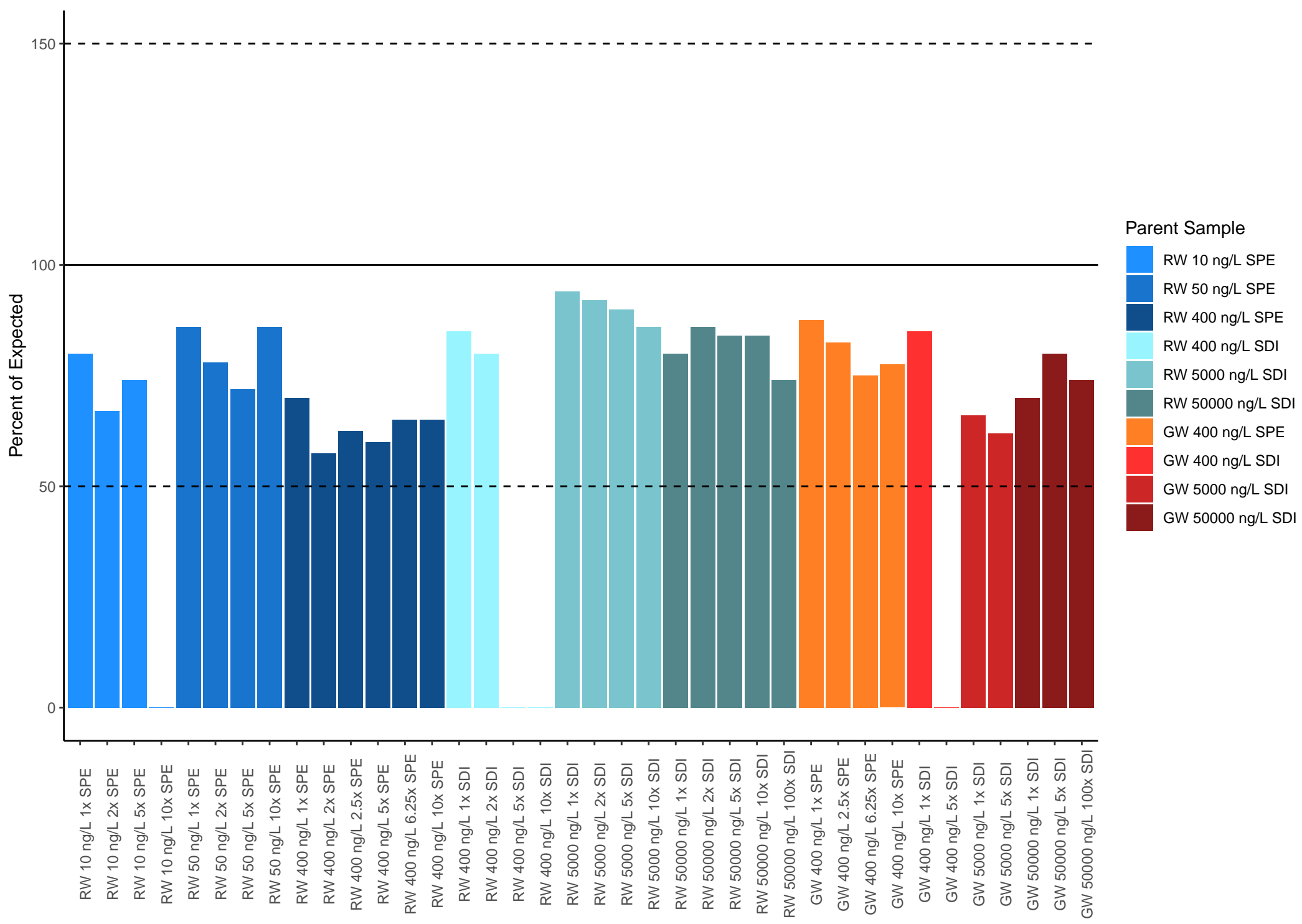
- RW 10 ng/L SPE
- RW 50 ng/L SPE
- RW 400 ng/L SPE
- RW 400 ng/L SDI
- RW 5000 ng/L SDI
- RW 50000 ng/L SDI
- GW 400 ng/L SPE
- GW 400 ng/L SDI
- GW 5000 ng/L SDI
- GW 50000 ng/L SDI

# Perfluoro-4-ethylcyclohexanesulfonic acid

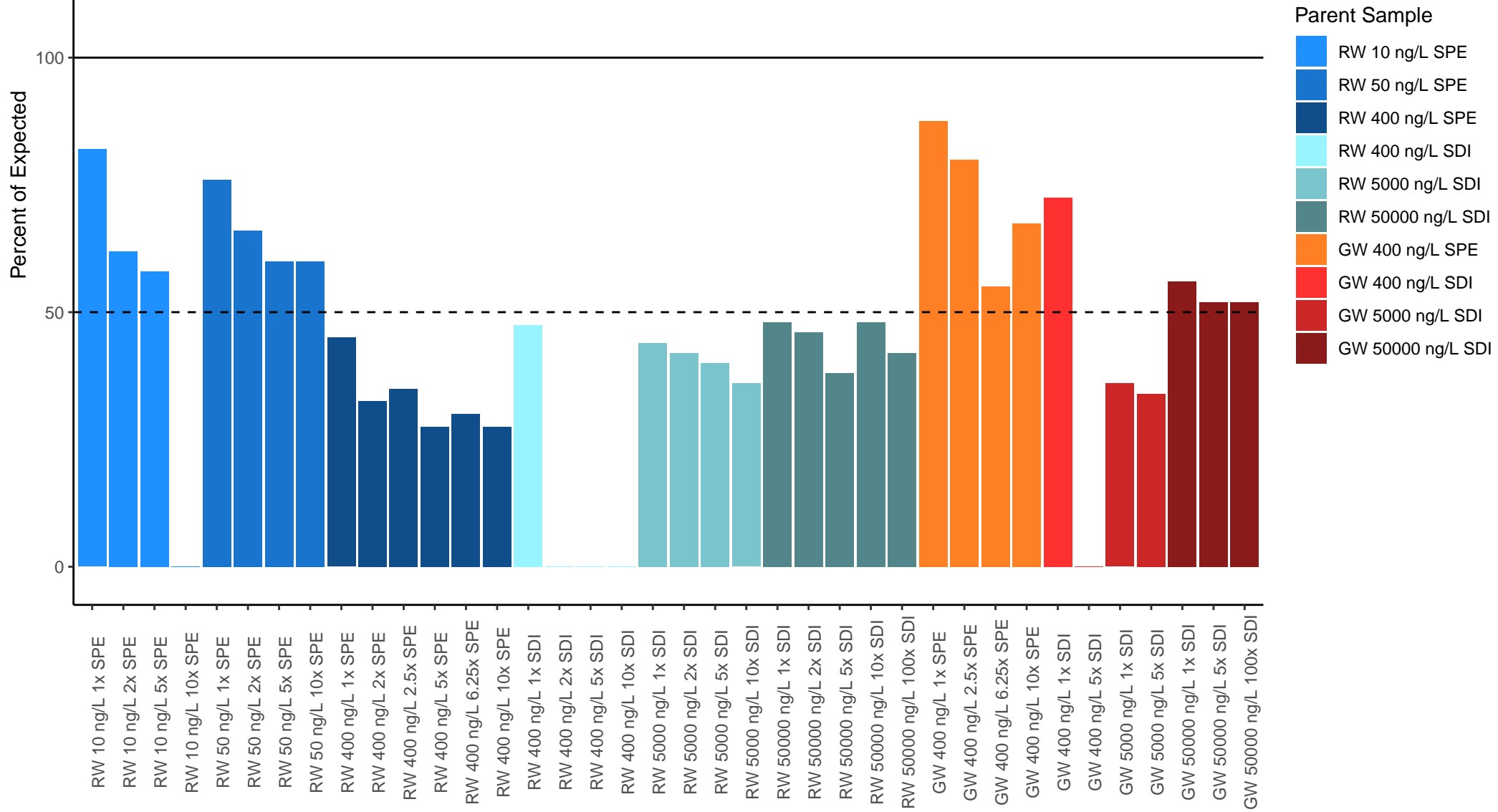




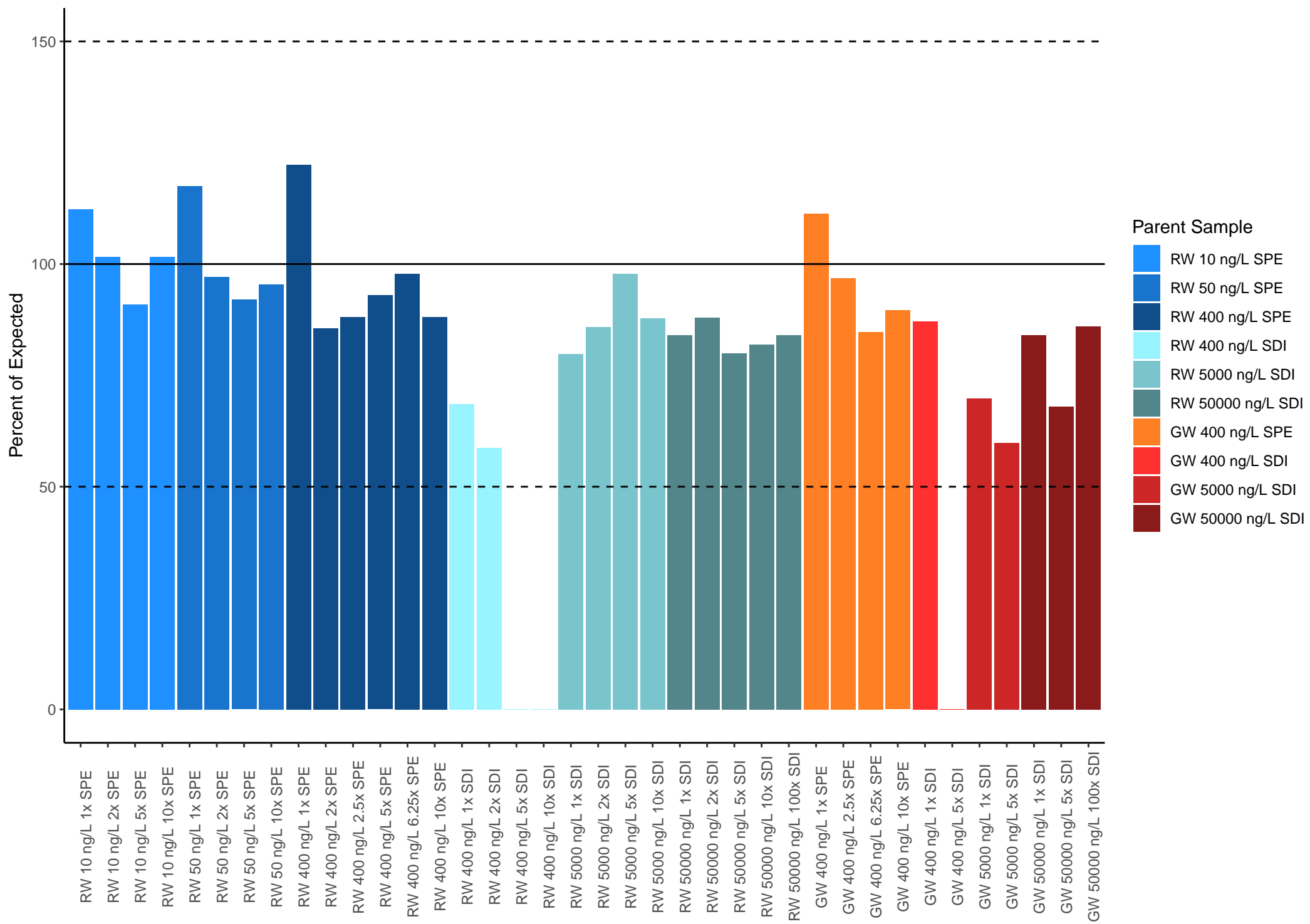
# Perfluorooctadecanoic acid



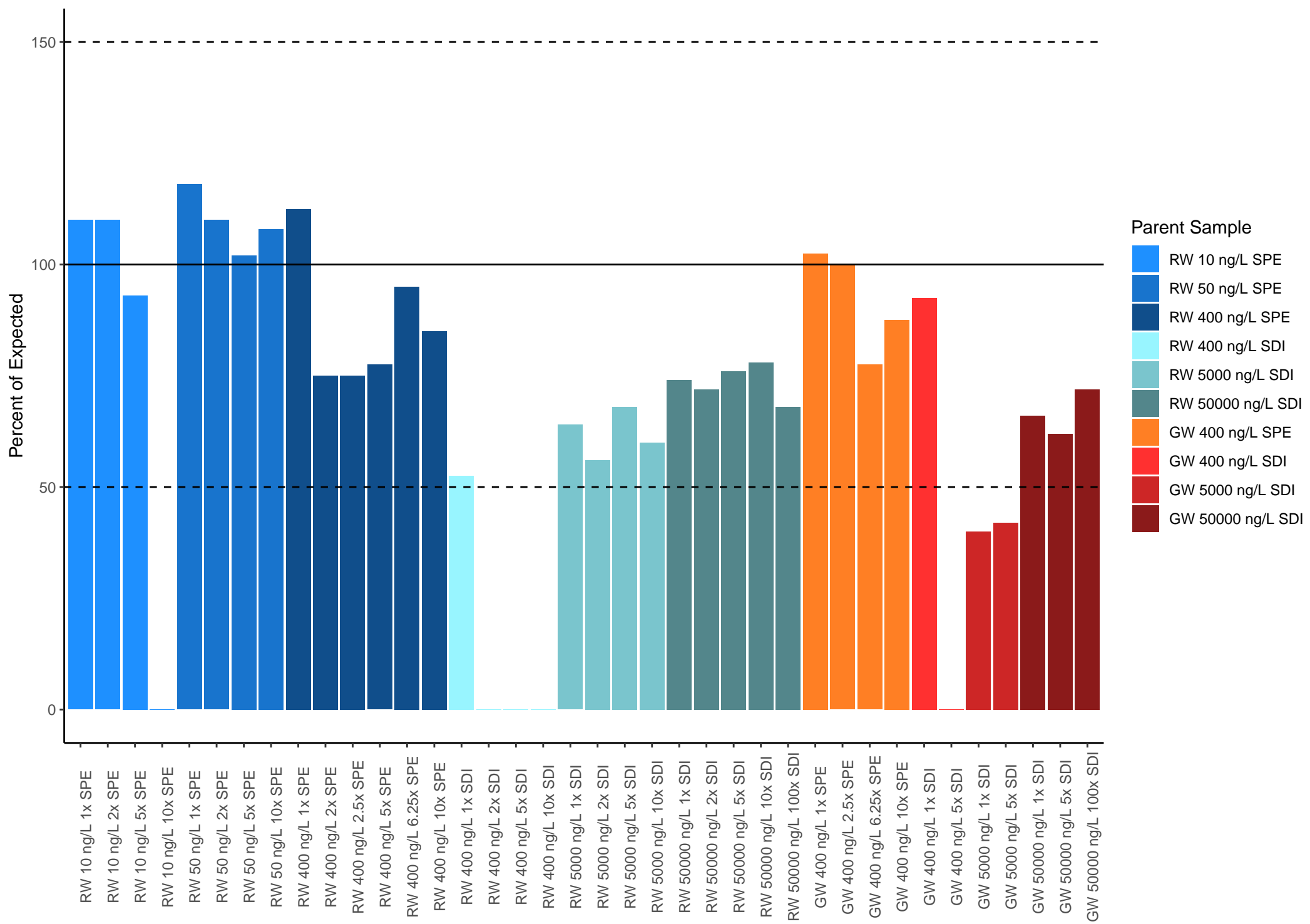
# NetFOSE



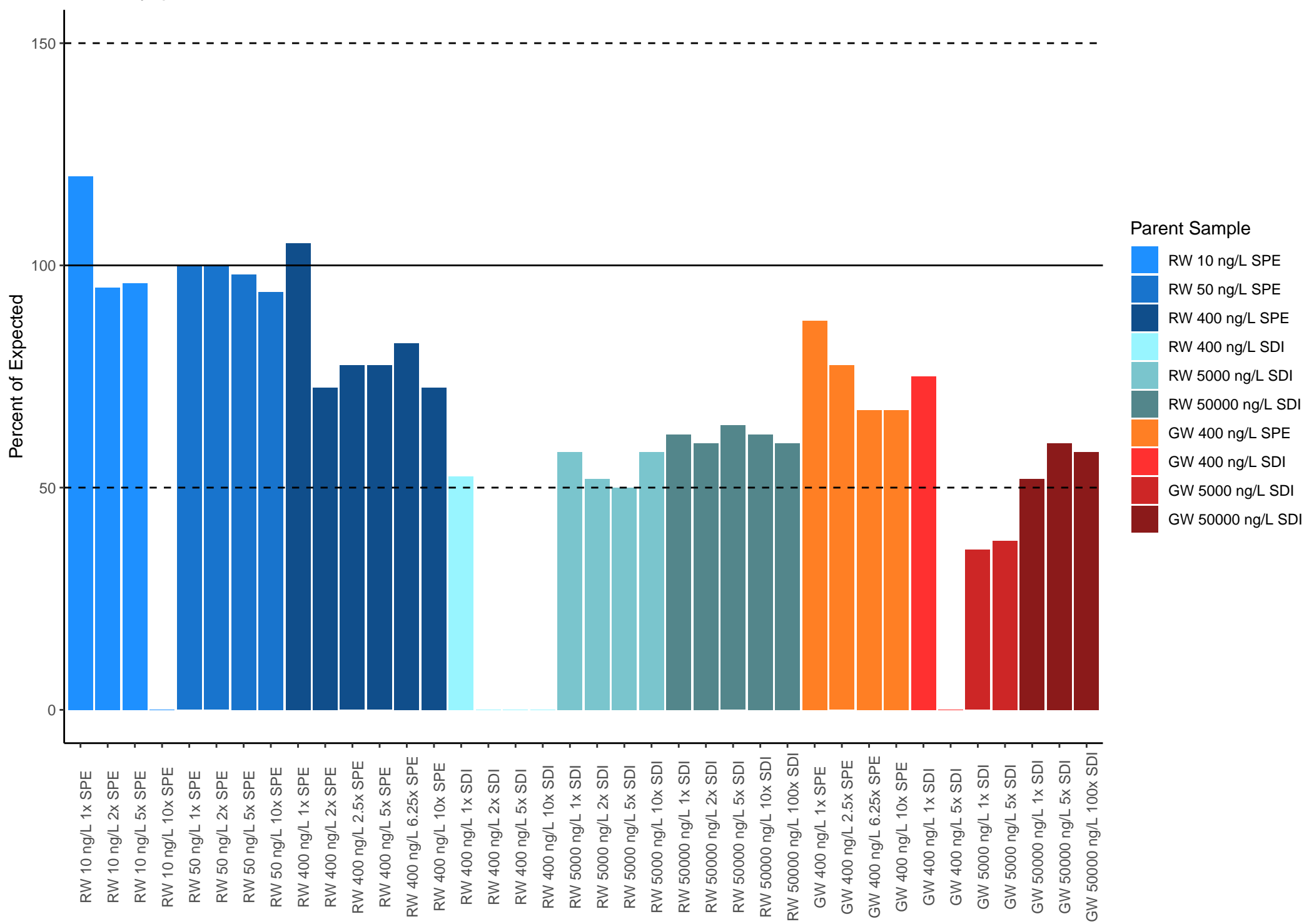
# PFOS



# Perfluoroundecanoic Acid

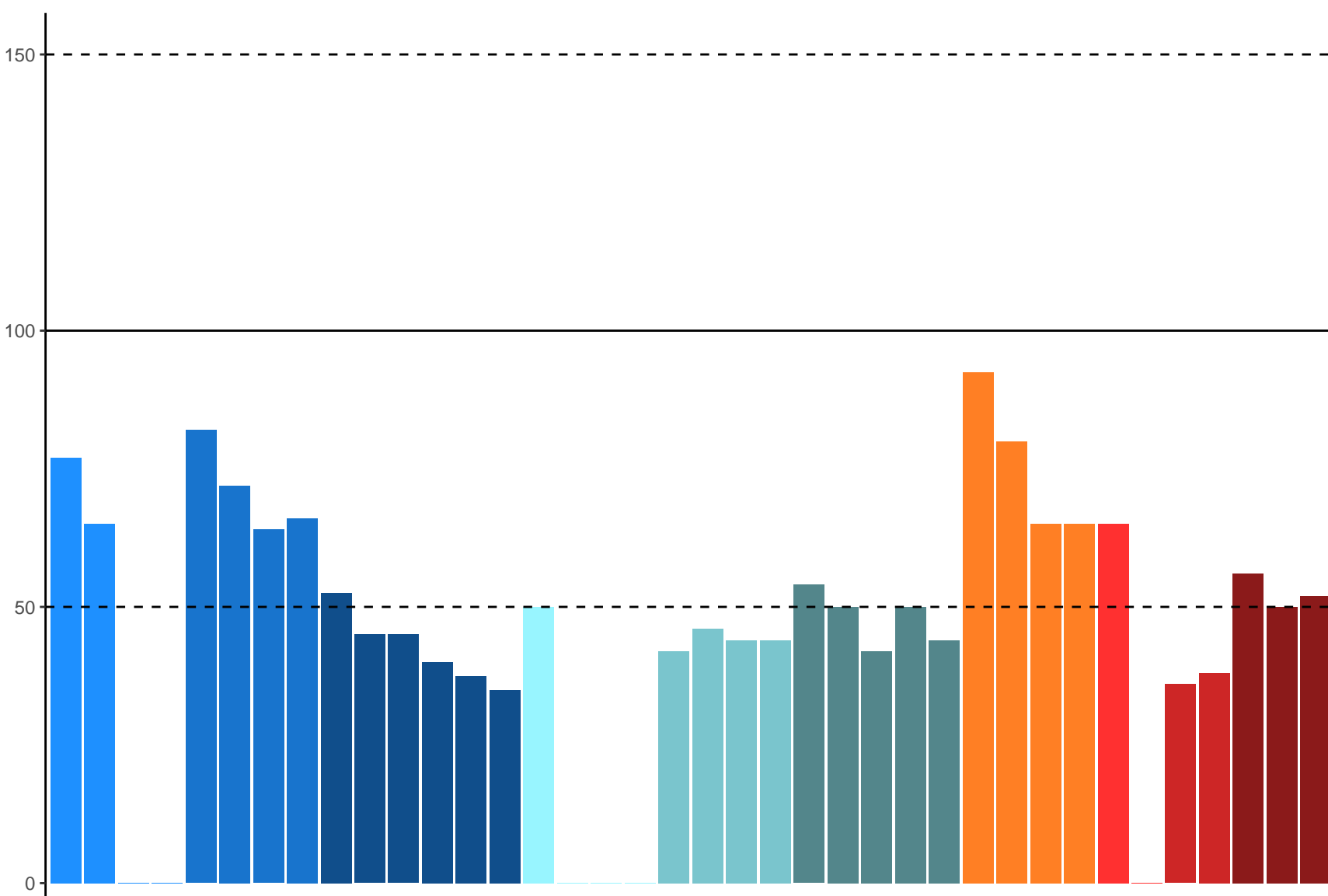


# N-methyl perfluorooctane sulfonamidoacetic acid



# NMeFOSE

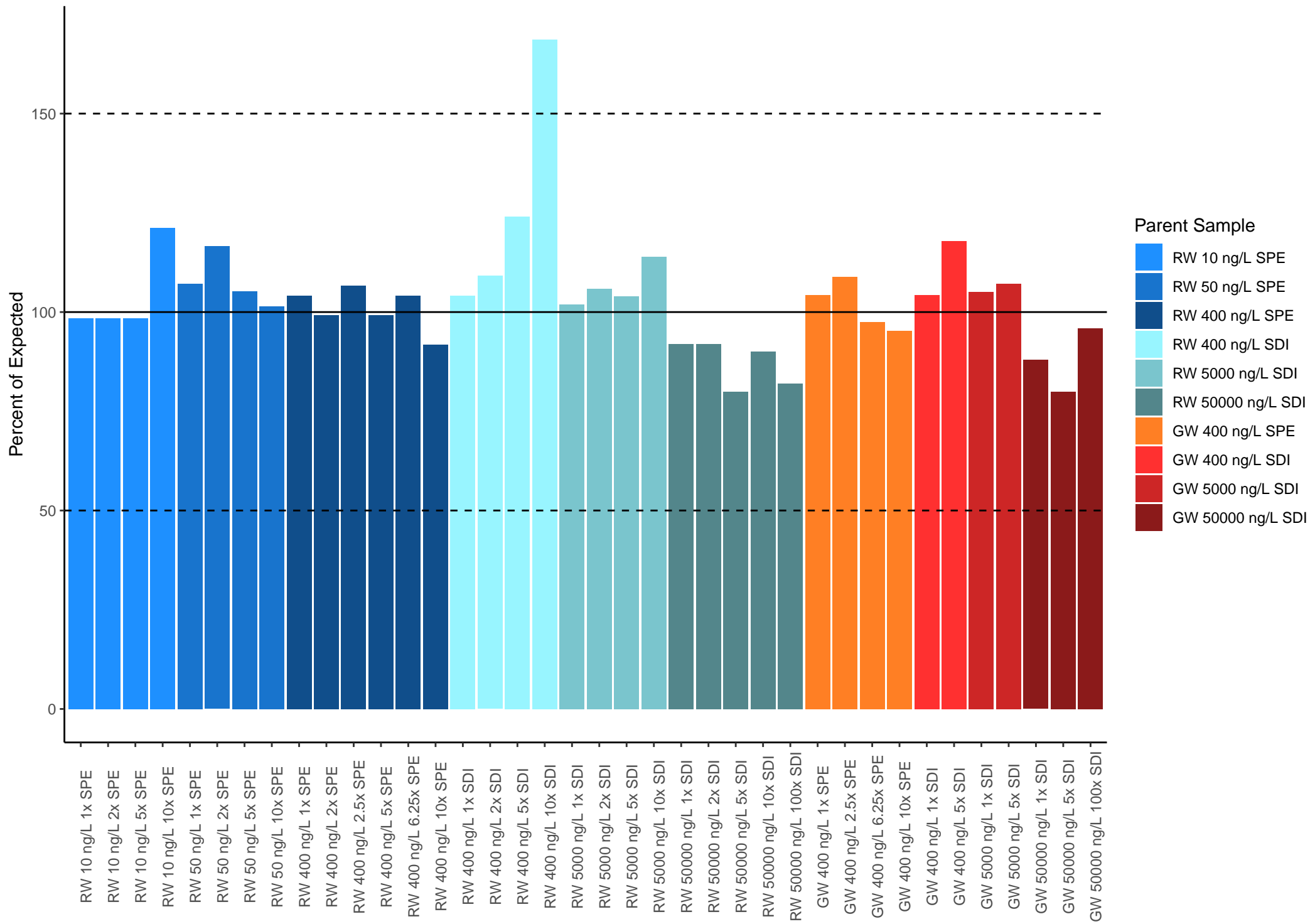
Percent of Expected



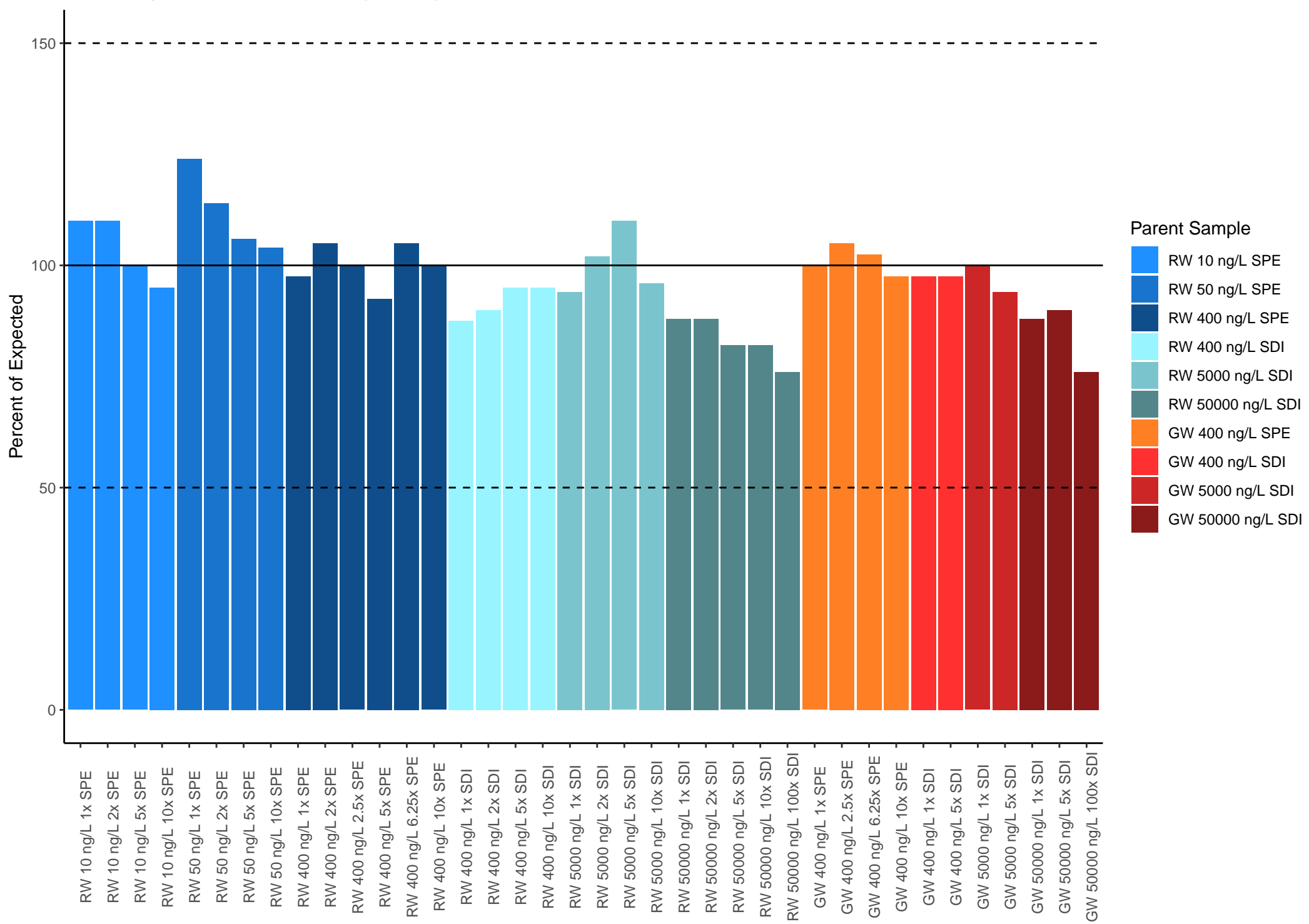
## Parent Sample

- RW 10 ng/L SPE
- RW 50 ng/L SPE
- RW 400 ng/L SPE
- RW 400 ng/L SDI
- RW 5000 ng/L SDI
- RW 50000 ng/L SDI
- GW 400 ng/L SPE
- GW 400 ng/L SDI
- GW 5000 ng/L SDI
- GW 50000 ng/L SDI

# Perfluoropentanoic Acid

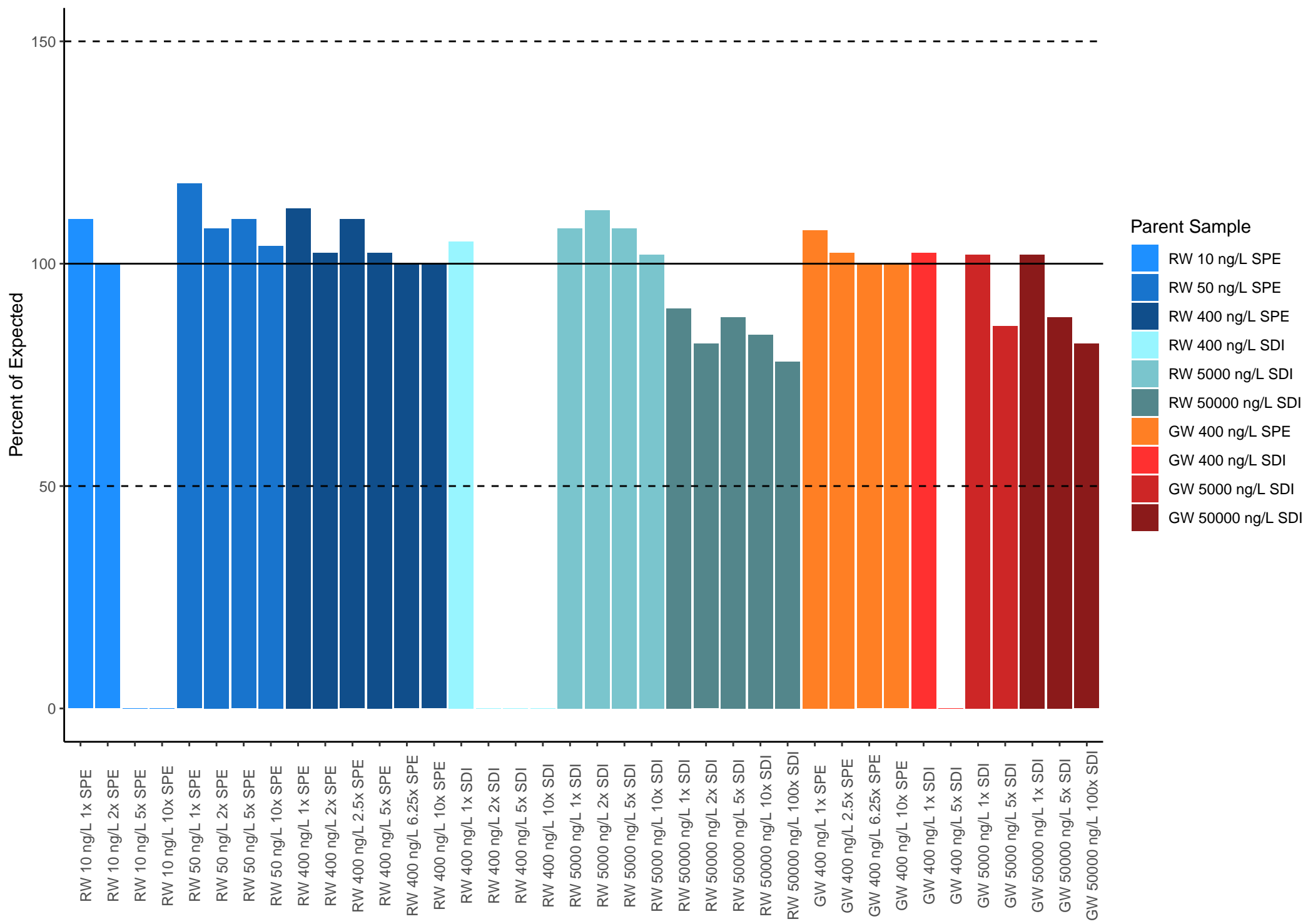


# Perfluoropentane sulfonic acid (PFPeS)

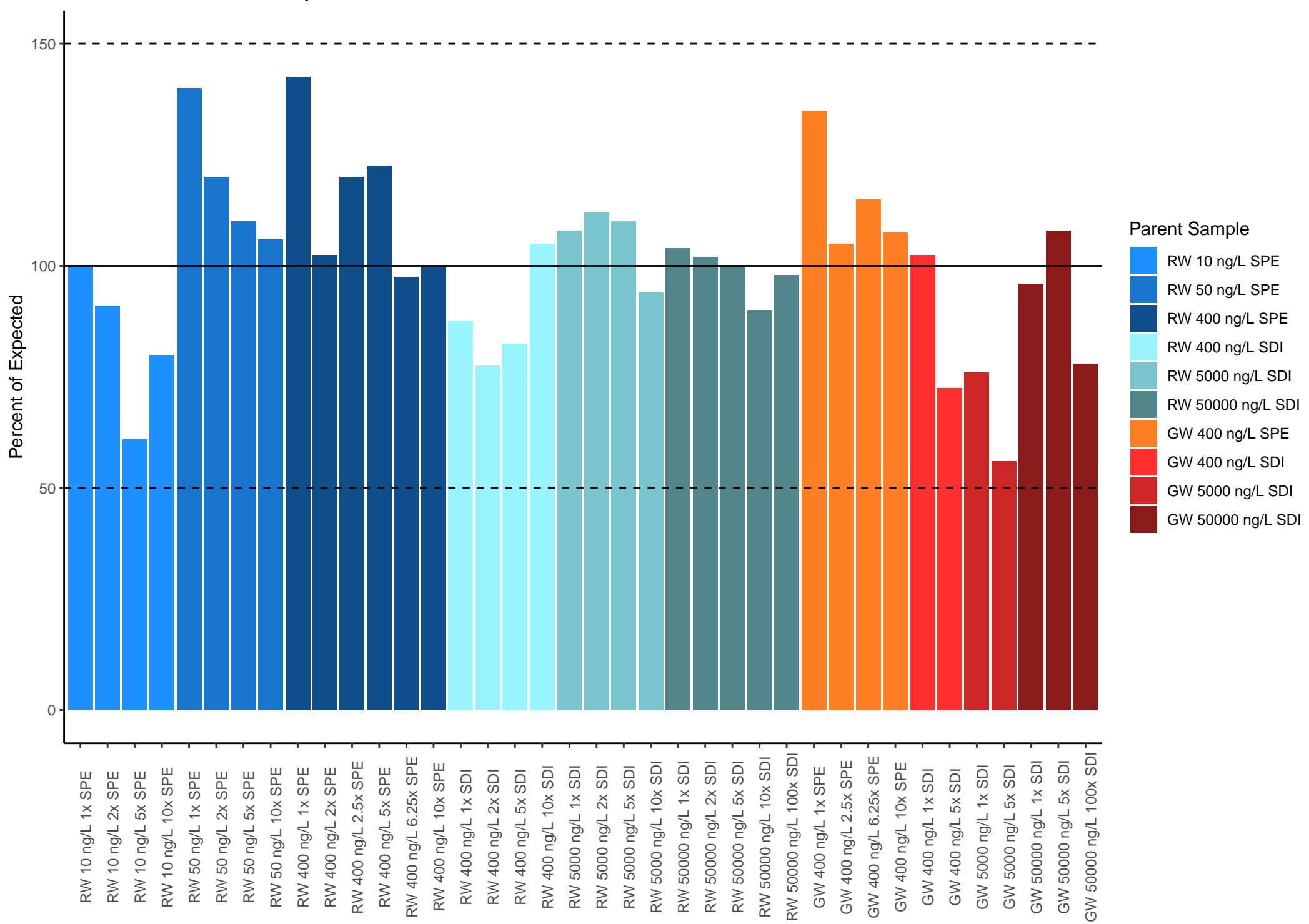




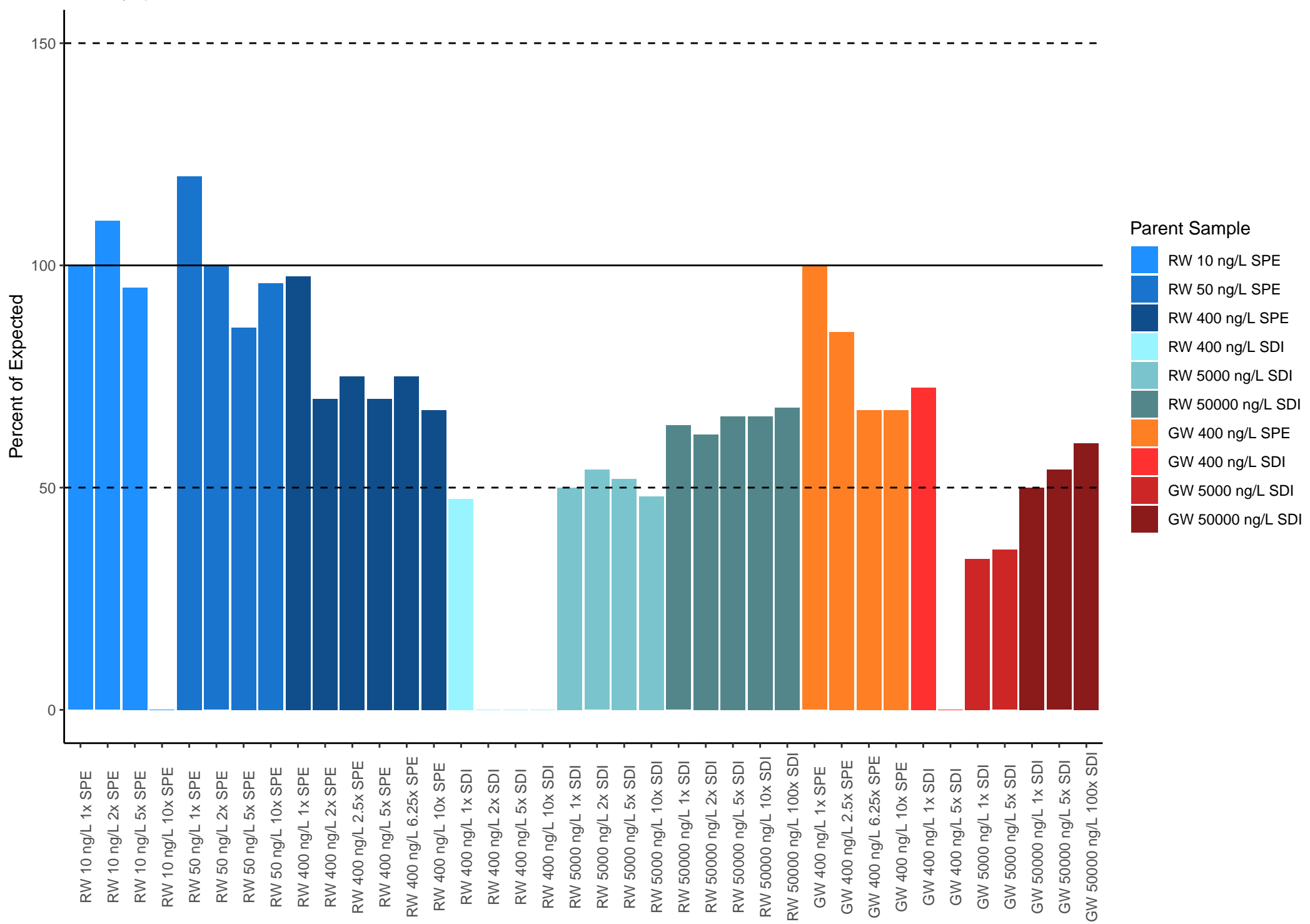
6:2 FTS



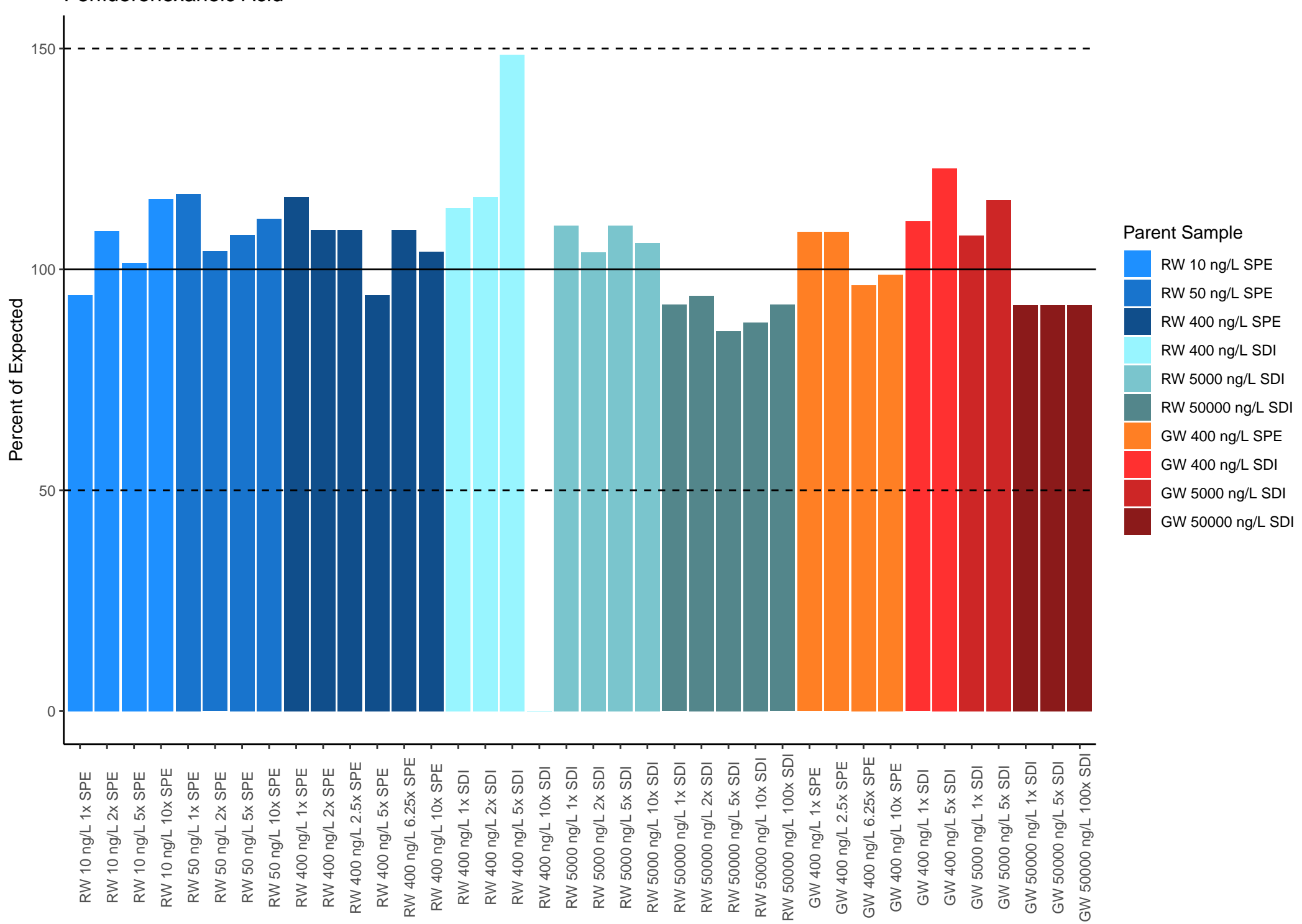
# 8:2 Fluorotelomer carboxylic acid



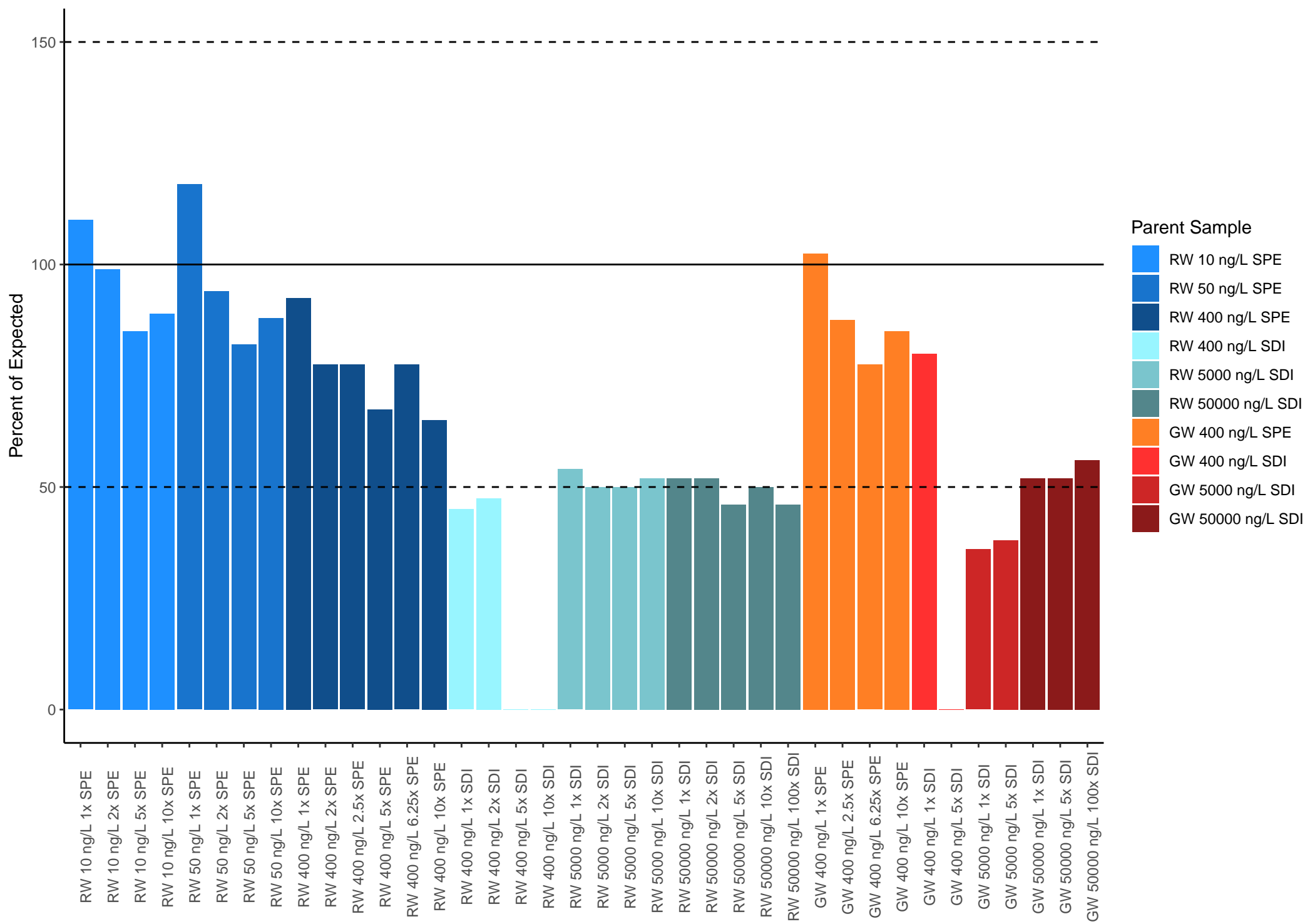
# N-ethyl perfluorooctane sulfonamidoacetic acid



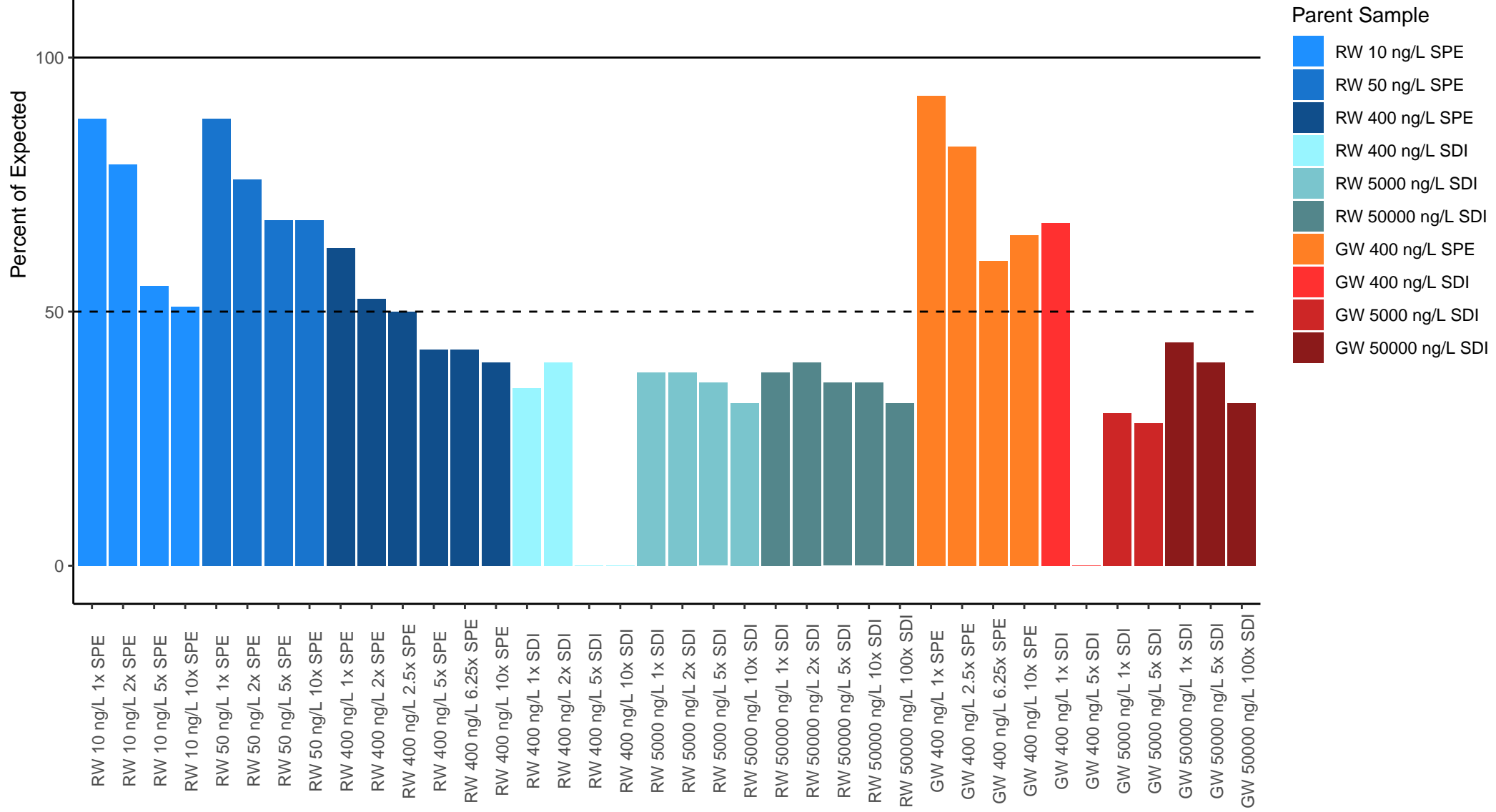
# Perfluorohexanoic Acid



# Perfluorododecanoic Acid

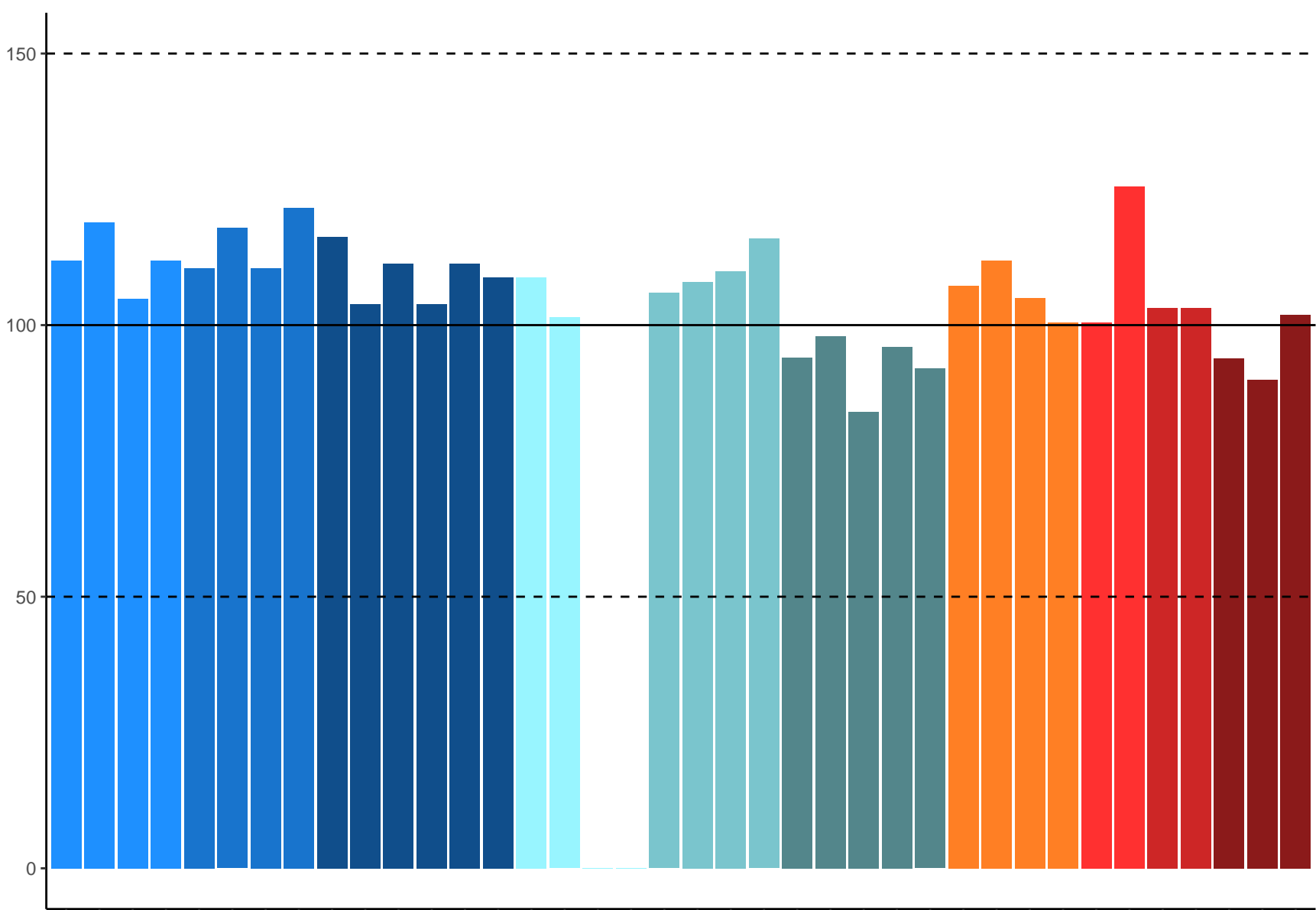


# NMeFOSA



# PFOA

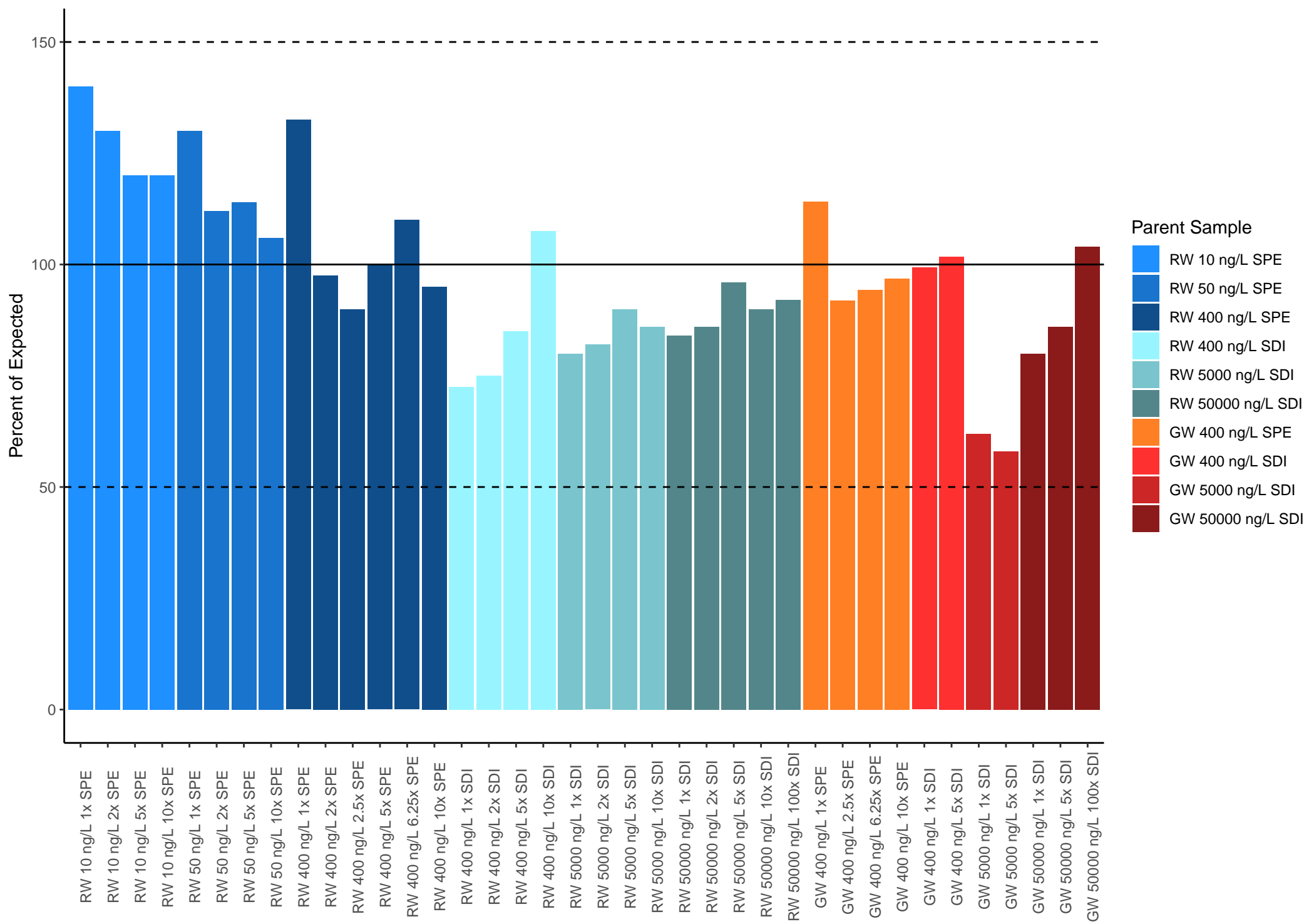
Percent of Expected



## Parent Sample

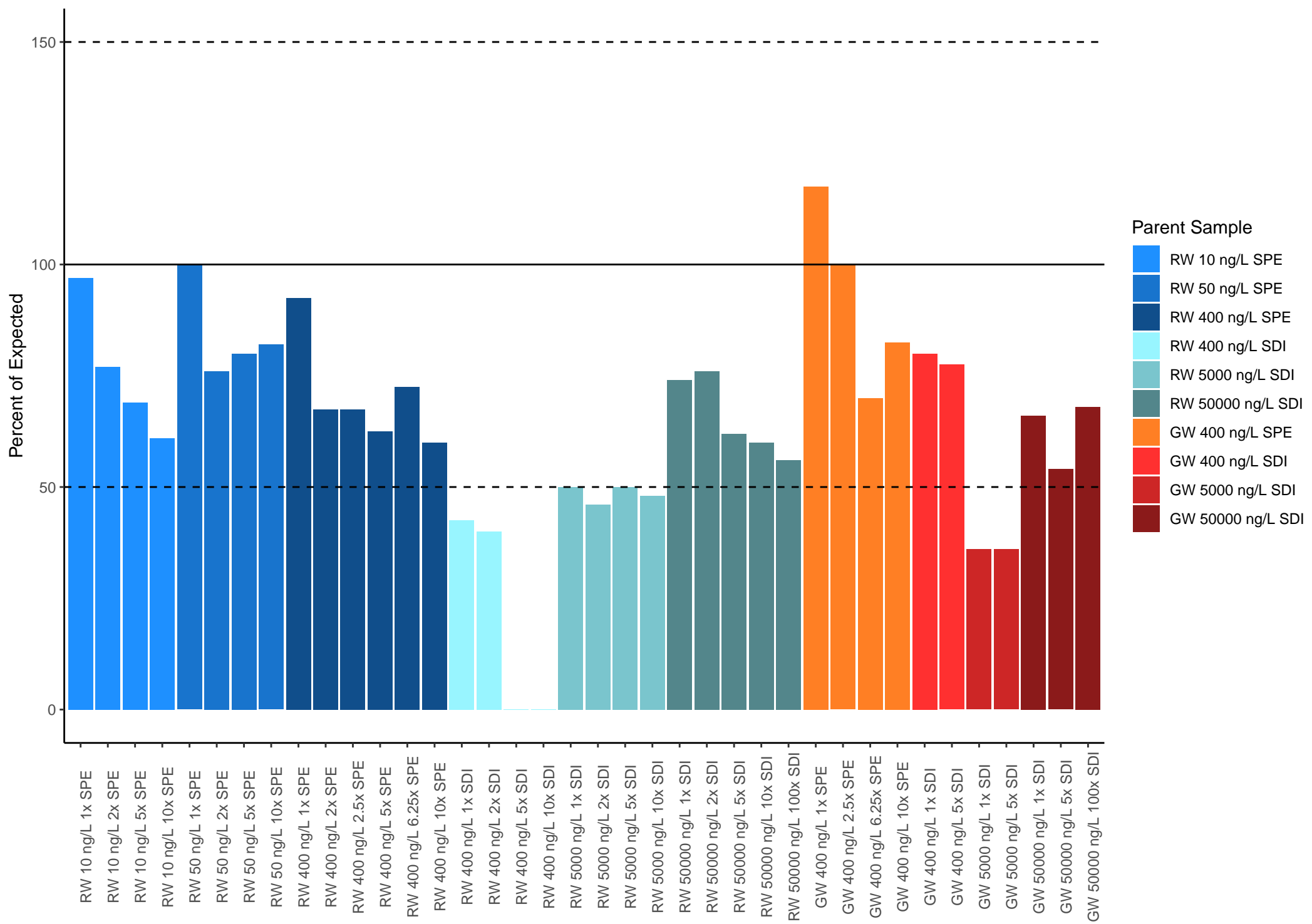
- RW 10 ng/L SPE
- RW 50 ng/L SPE
- RW 400 ng/L SPE
- RW 400 ng/L SDI
- RW 5000 ng/L SDI
- RW 50000 ng/L SDI
- GW 400 ng/L SPE
- GW 400 ng/L SDI
- GW 5000 ng/L SDI
- GW 50000 ng/L SDI

# Perfluorodecanoic Acid

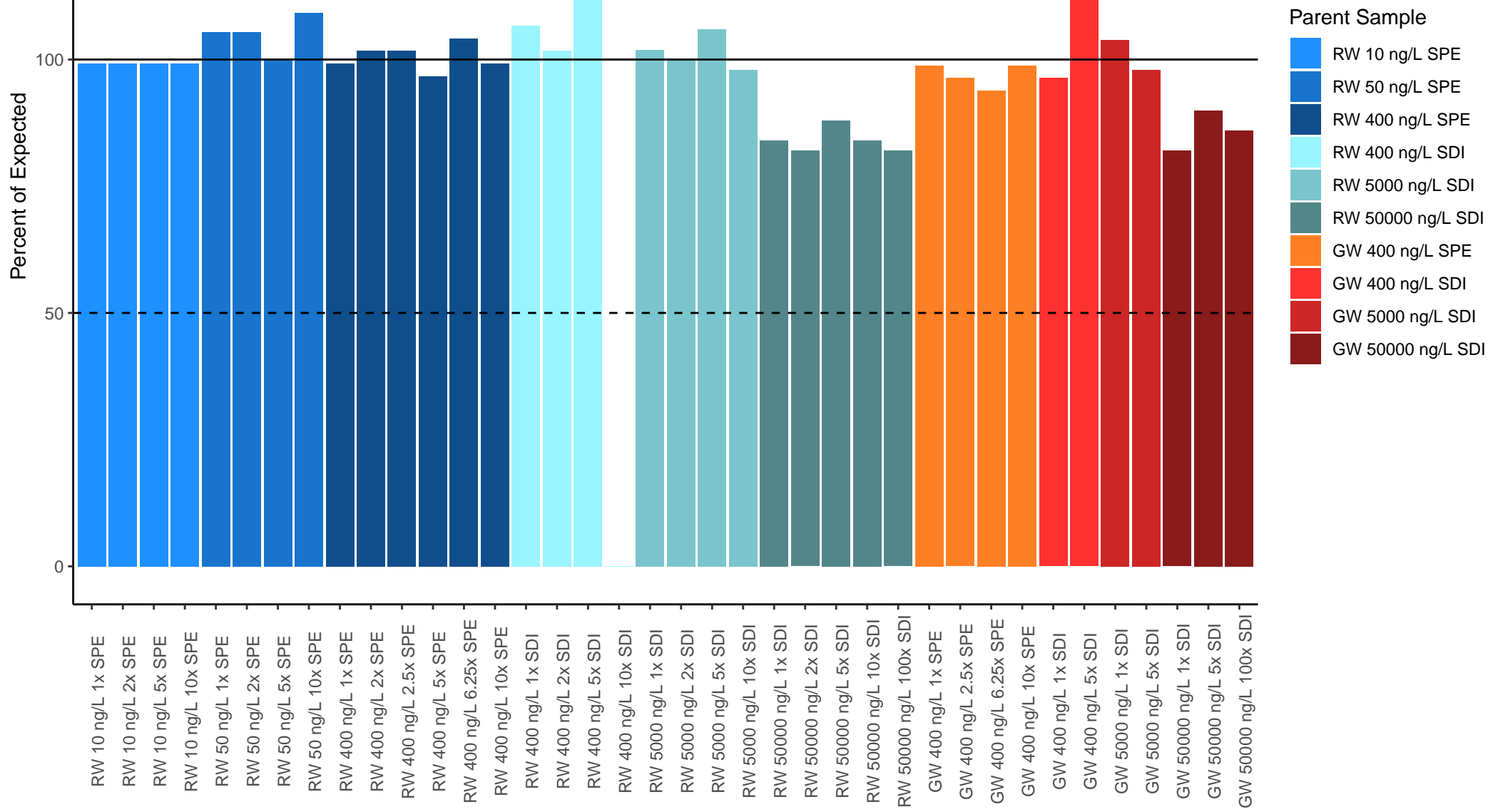




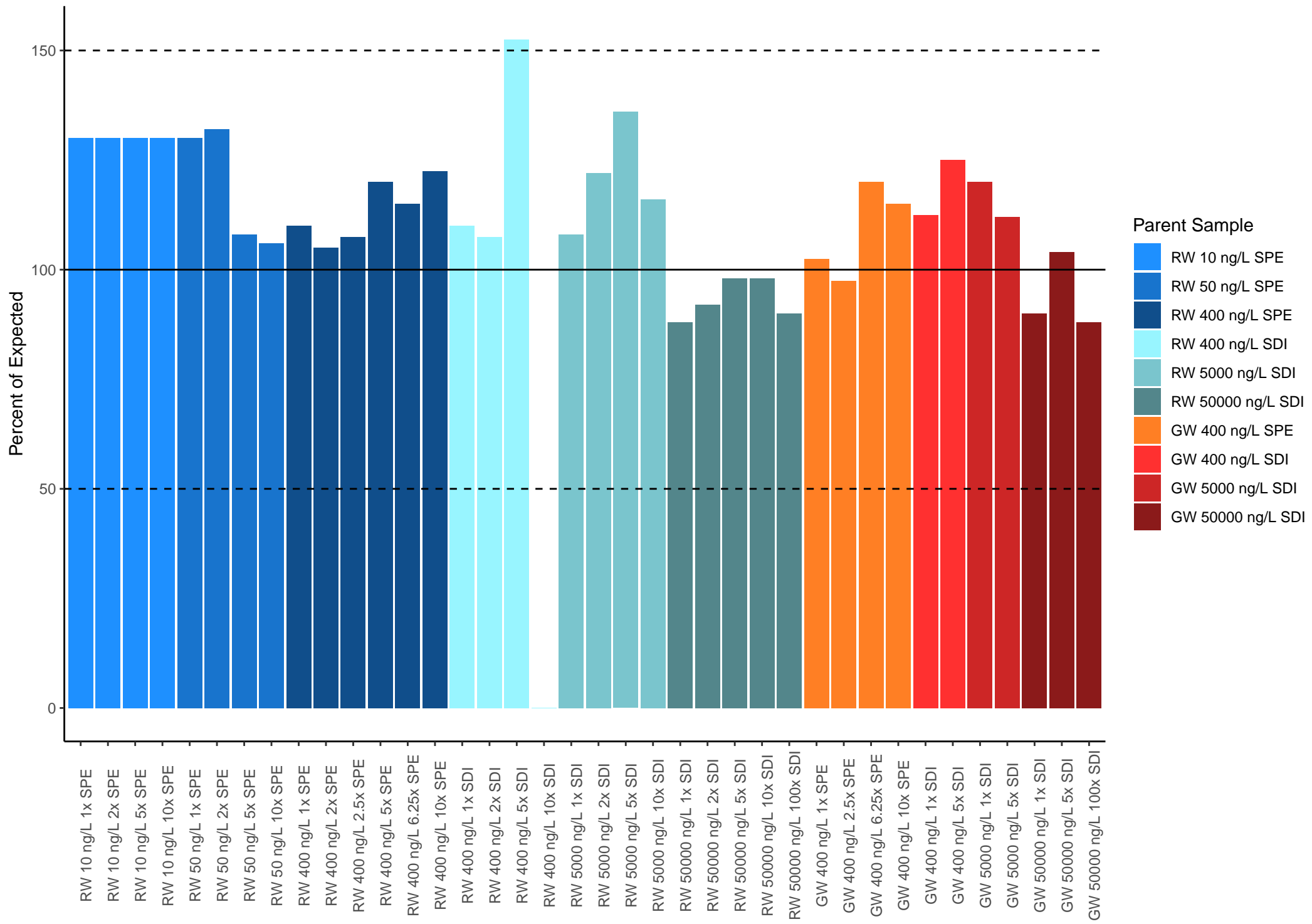
# Perfluorodecane Sulfonic Acid



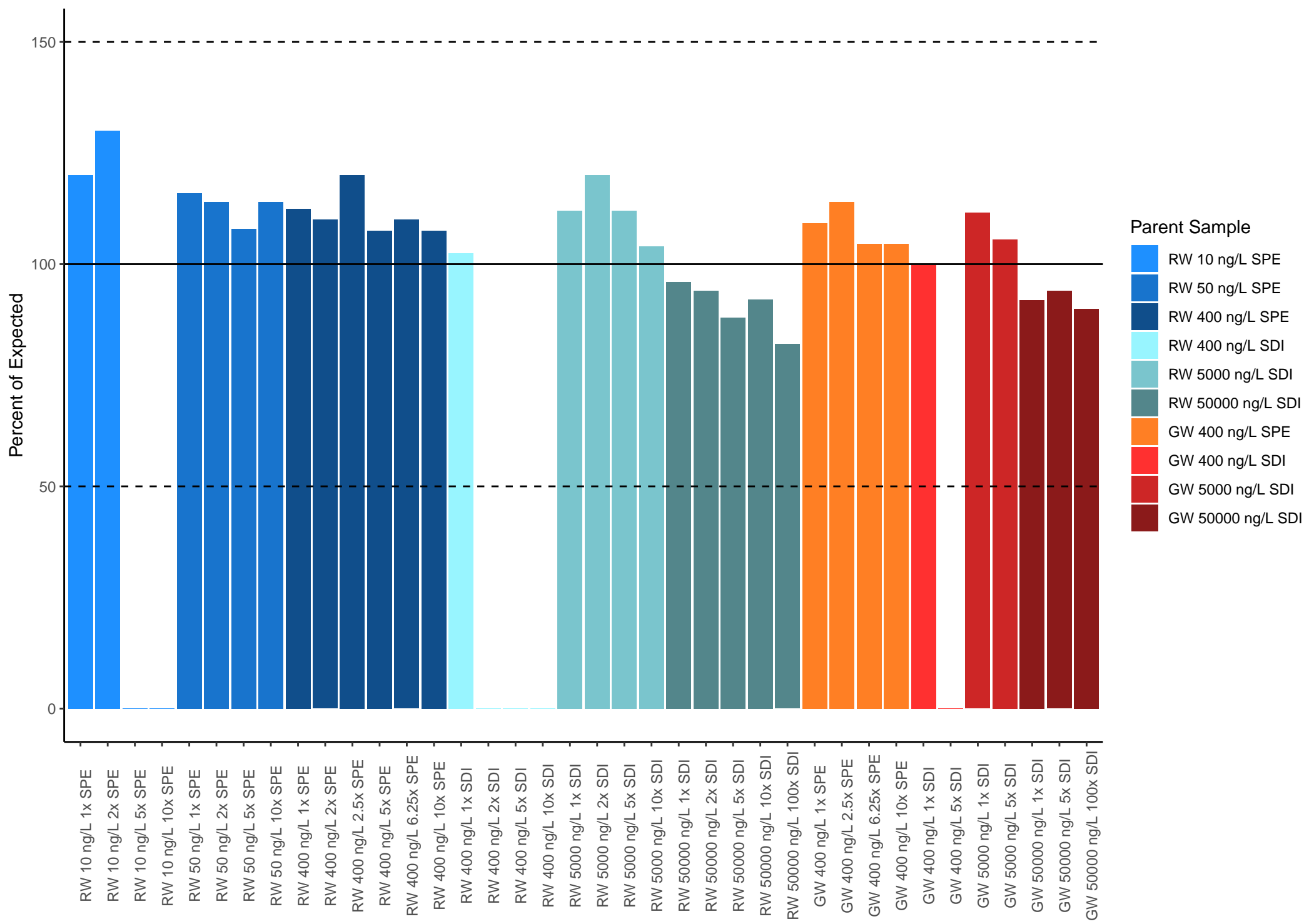
# Perfluorohexane Sulfonic Acid



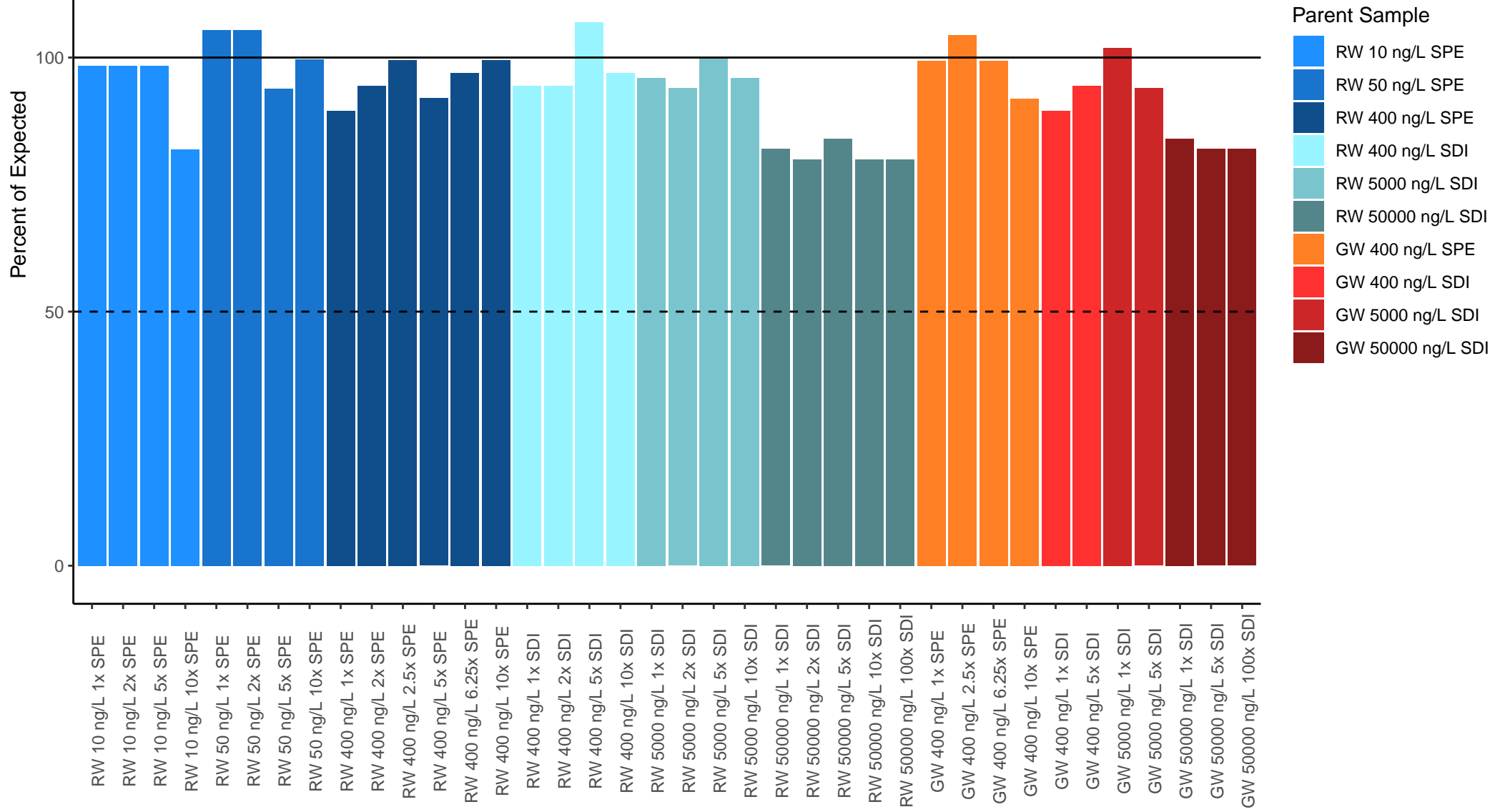
# 3:3 Fluorotelomer carboxylic acid



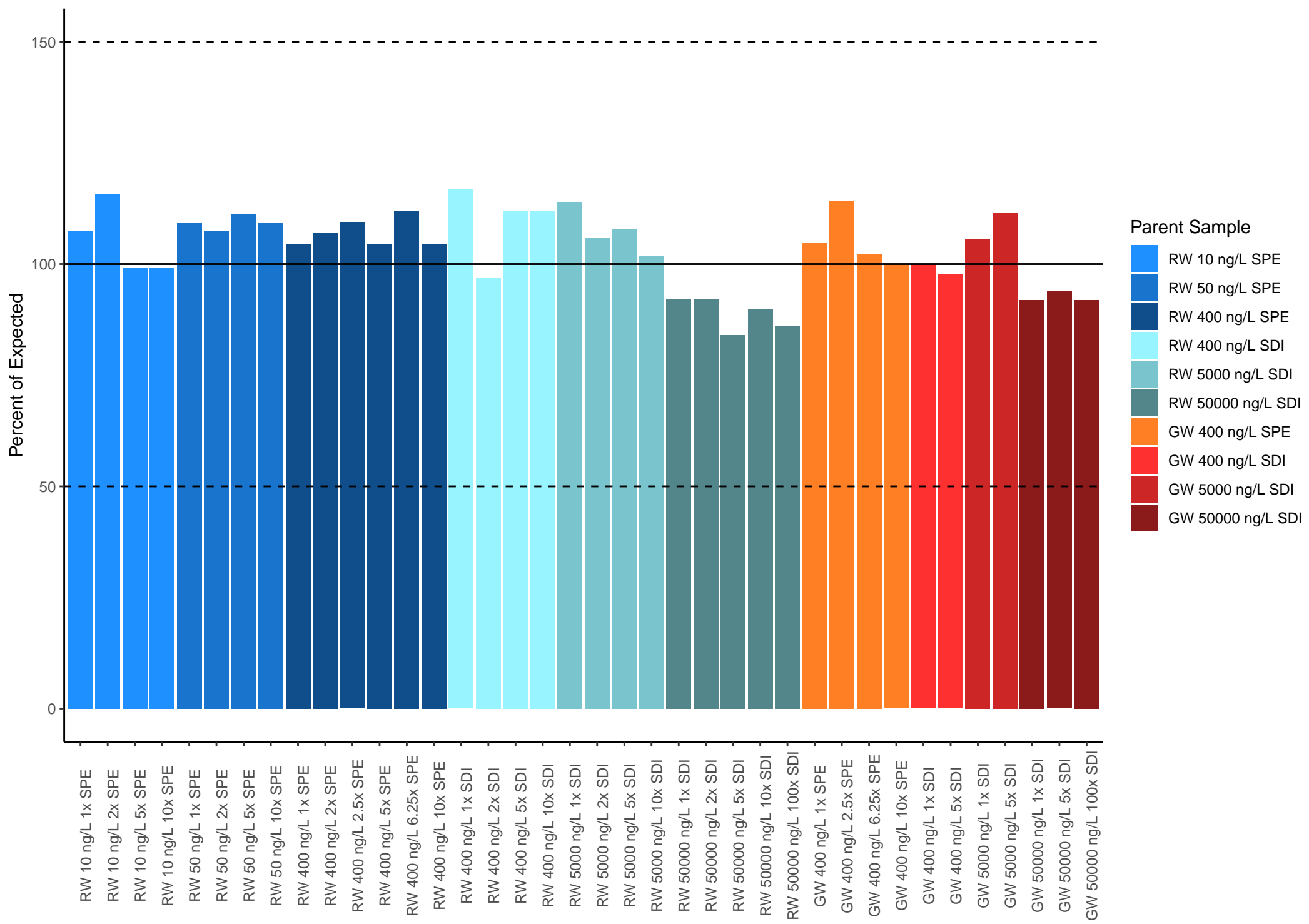
# Perfluorobutanoic Acid



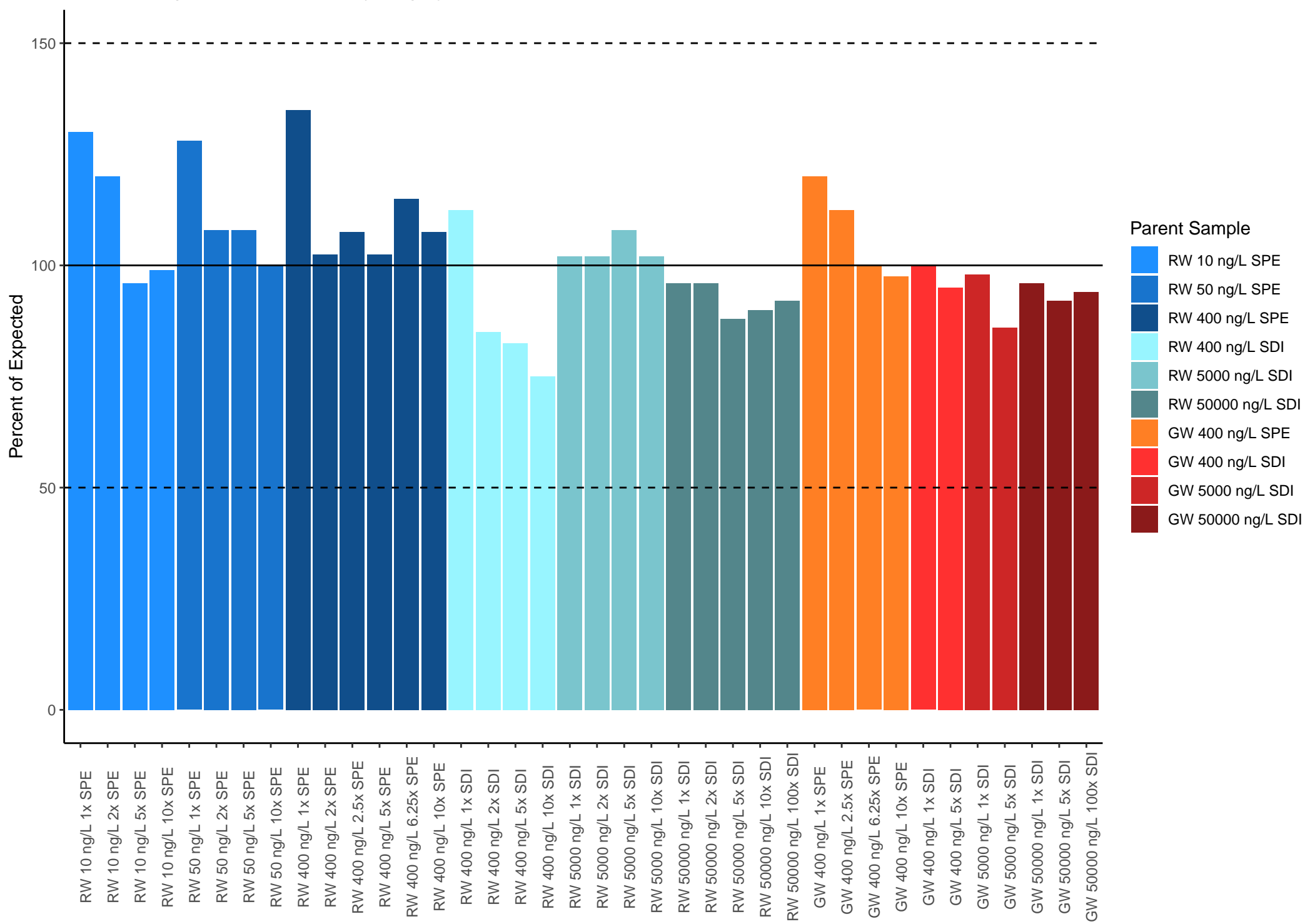
# Perfluorobutane Sulfonic Acid



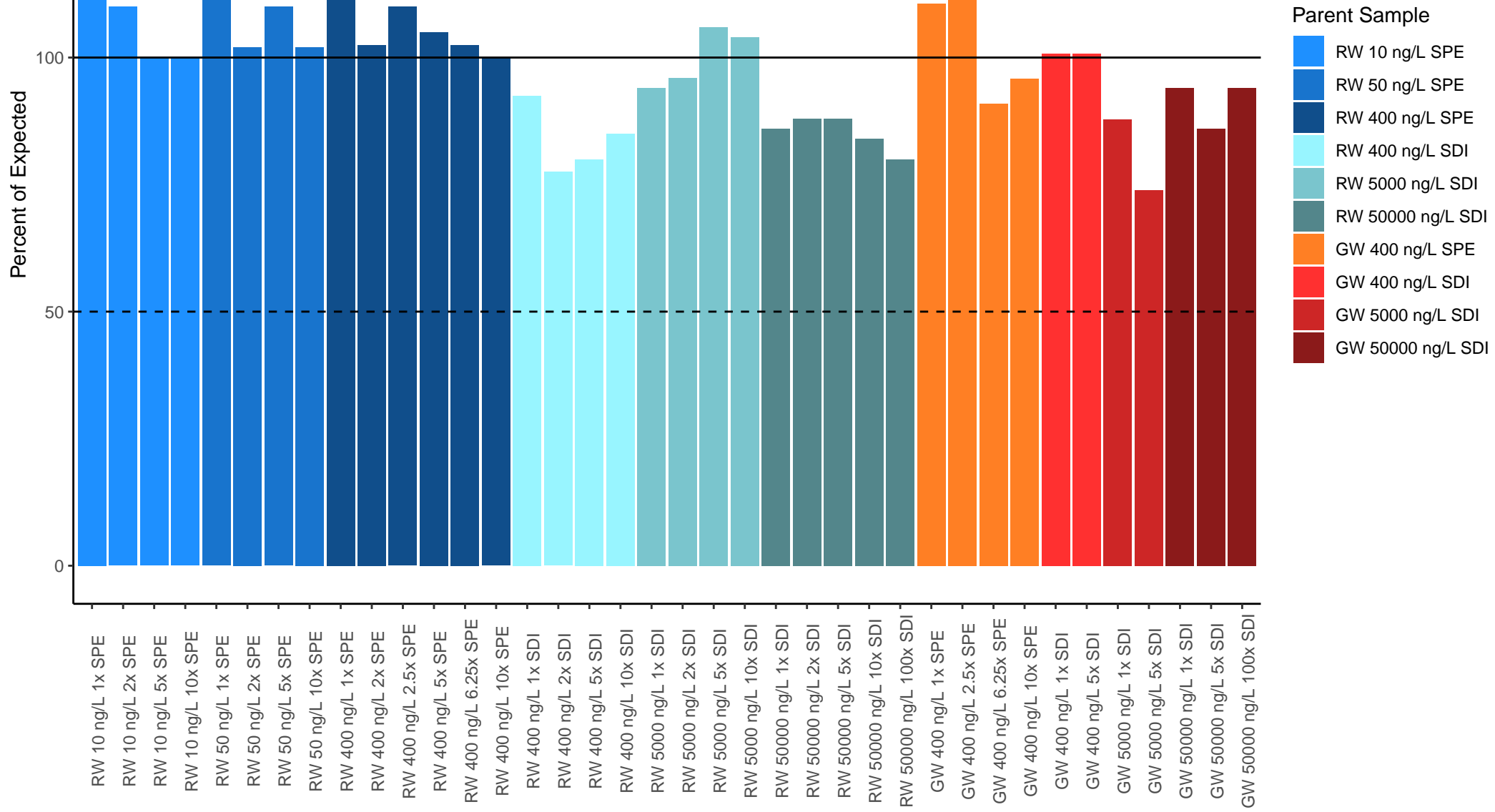
# Perfluoroheptanoic Acid



# Perfluoroheptane sulfonic acid (PFH<sub>p</sub>S)

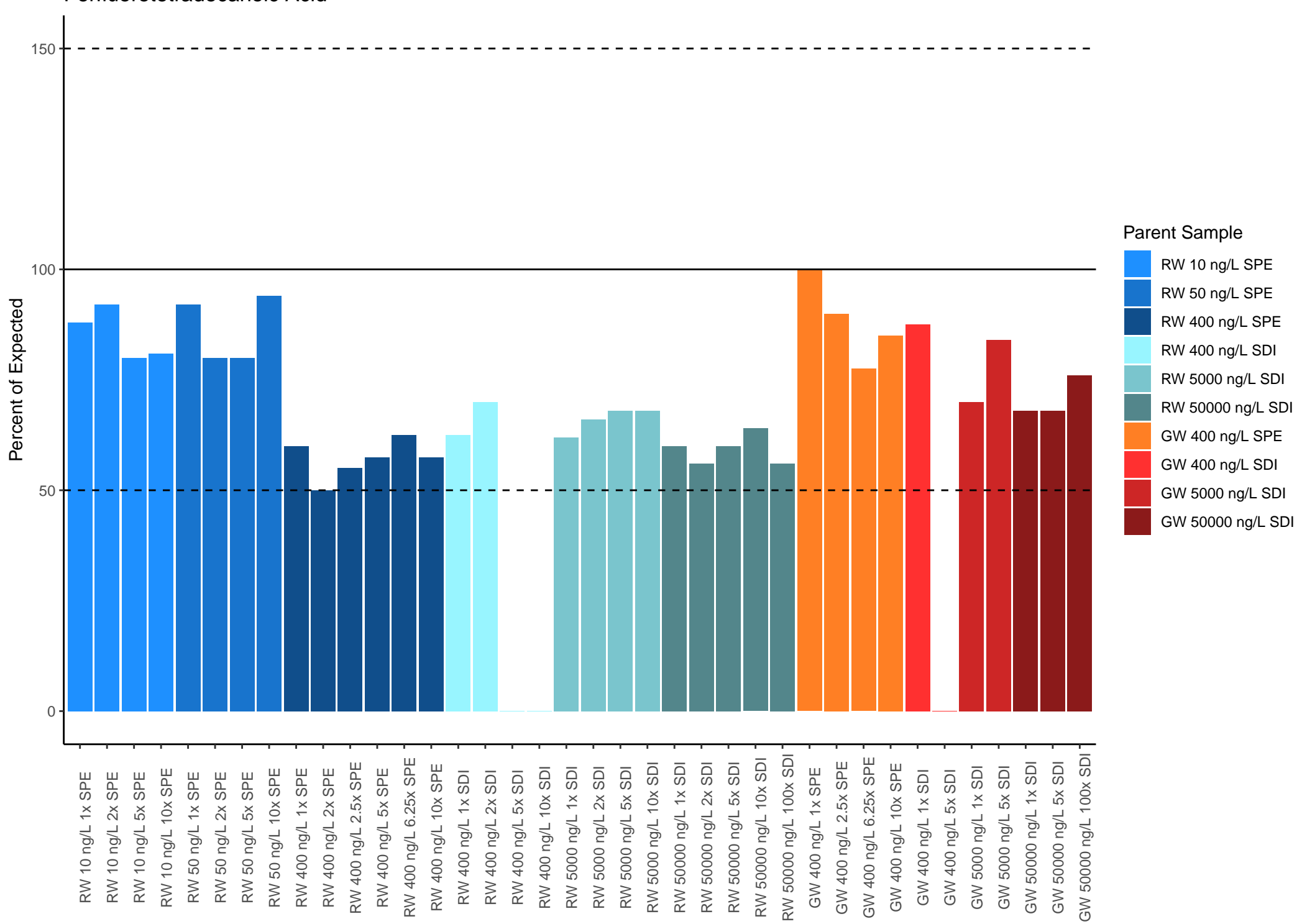


# Perfluorononanoic Acid

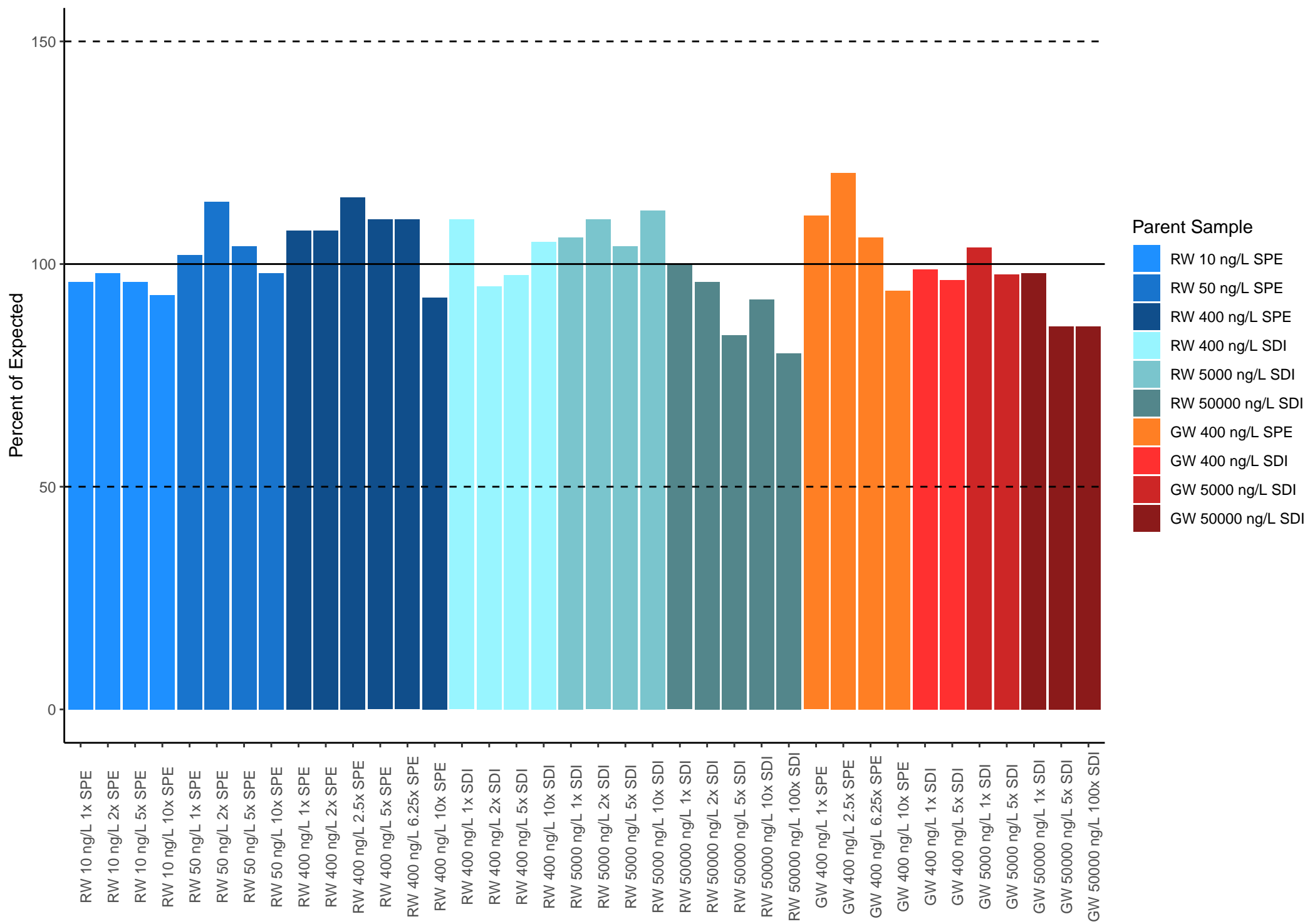




# Perfluorotetradecanoic Acid

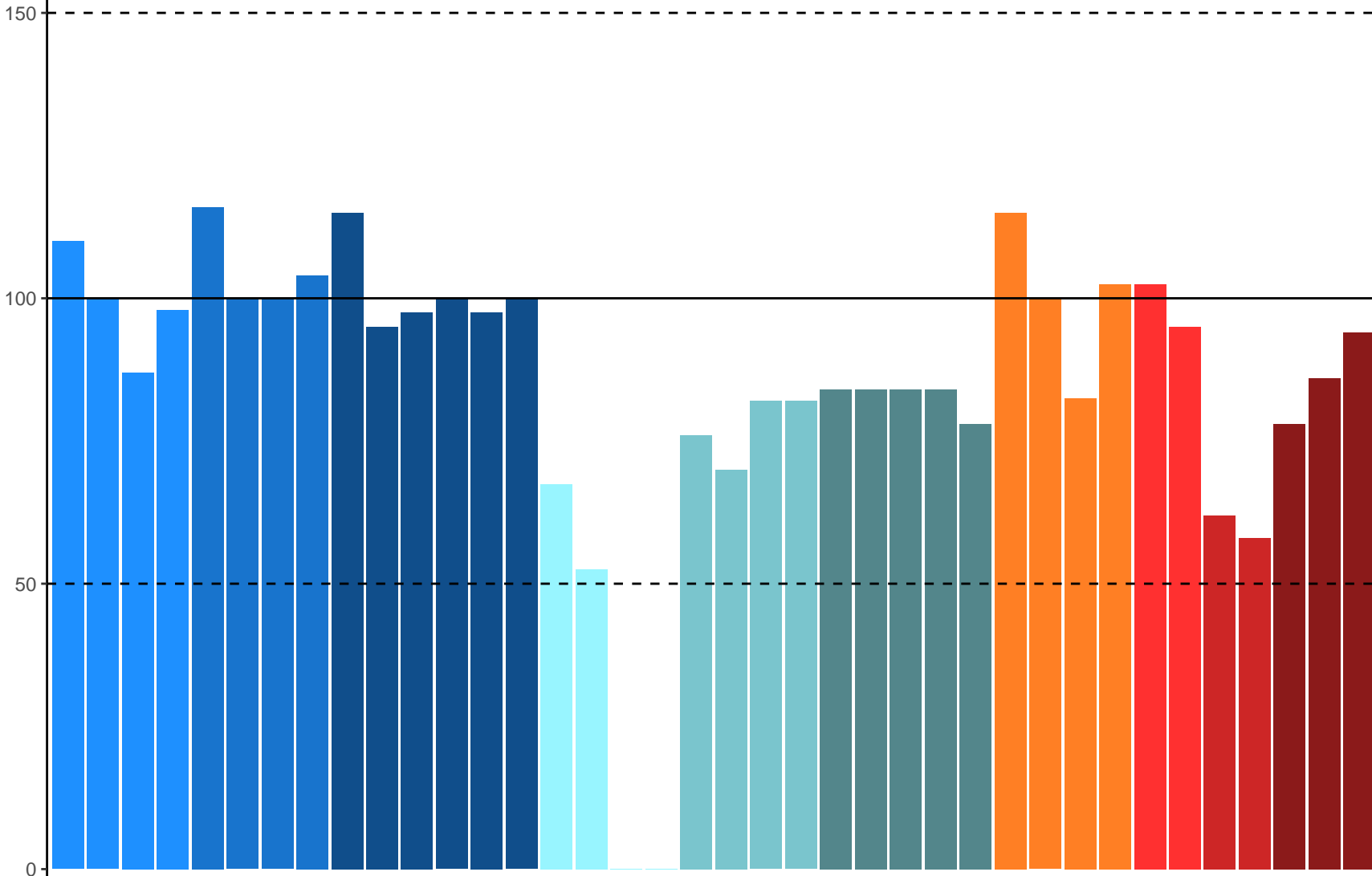


# PFECA-F



8:2 FTS

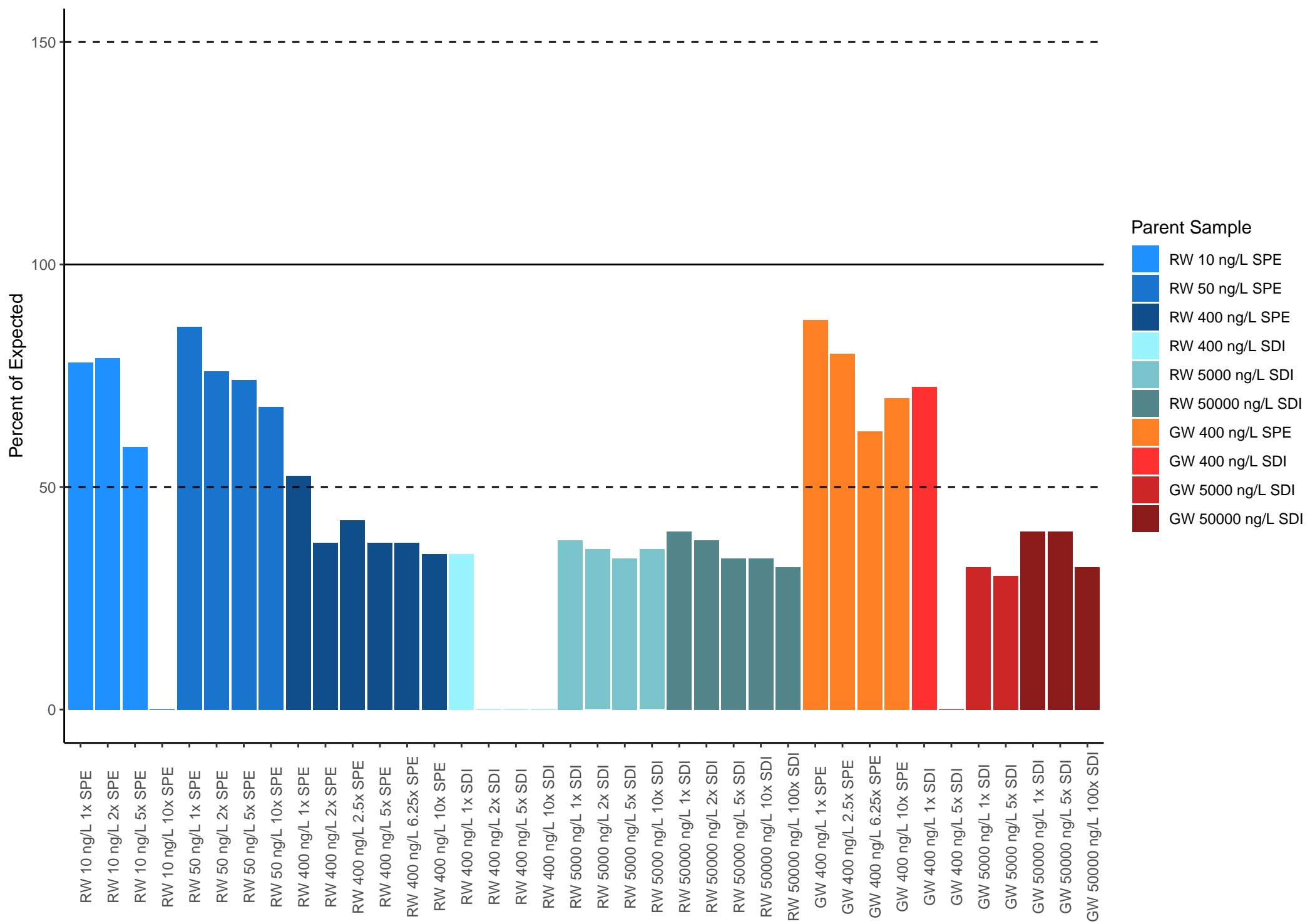
Percent of Expected



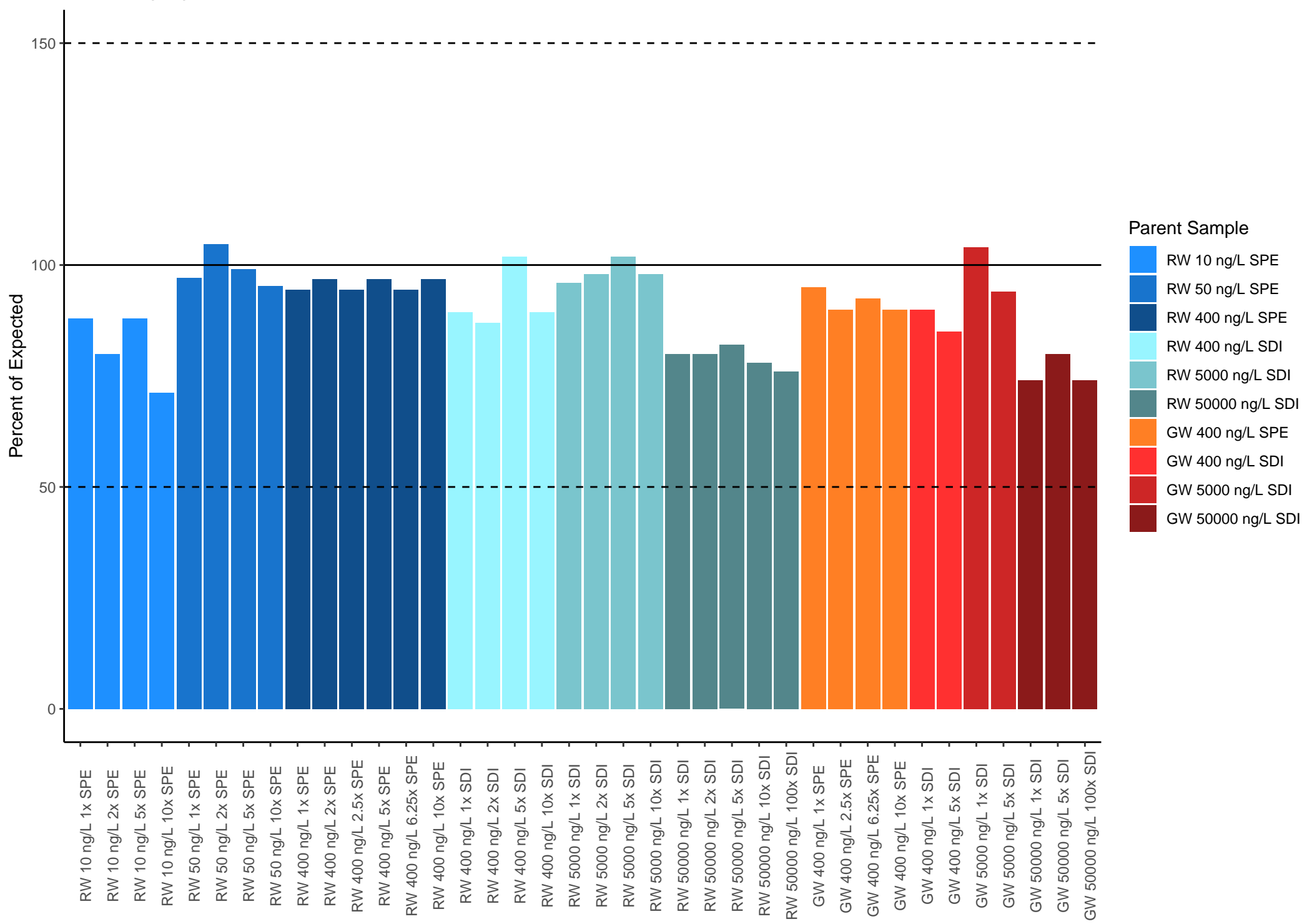
Parent Sample

- RW 10 ng/L SPE
- RW 50 ng/L SPE
- RW 400 ng/L SPE
- RW 400 ng/L SDI
- RW 5000 ng/L SDI
- RW 50000 ng/L SDI
- GW 400 ng/L SPE
- GW 400 ng/L SDI
- GW 5000 ng/L SDI
- GW 50000 ng/L SDI

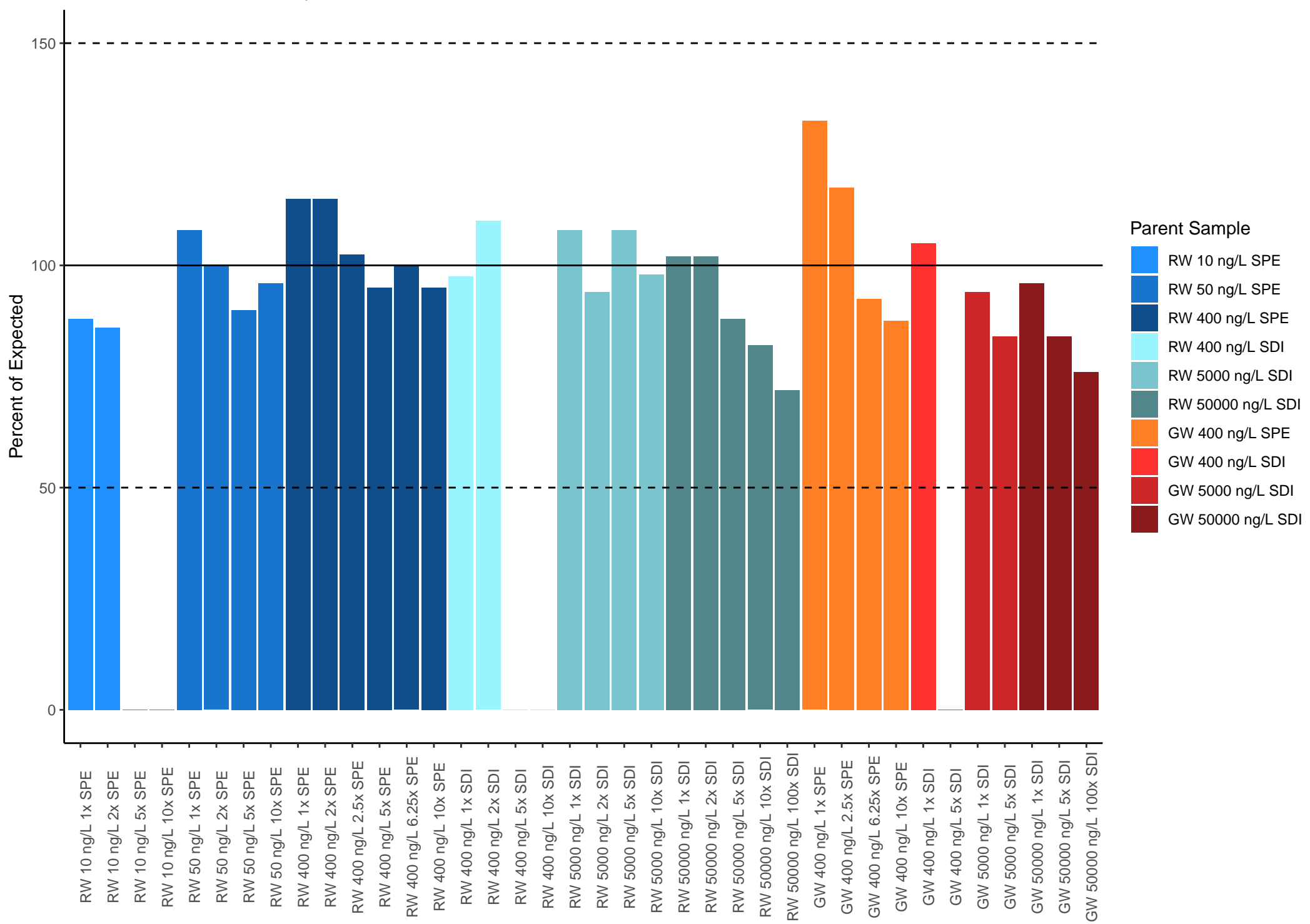
# N-ethylperfluoro-1-octanesulfonamide



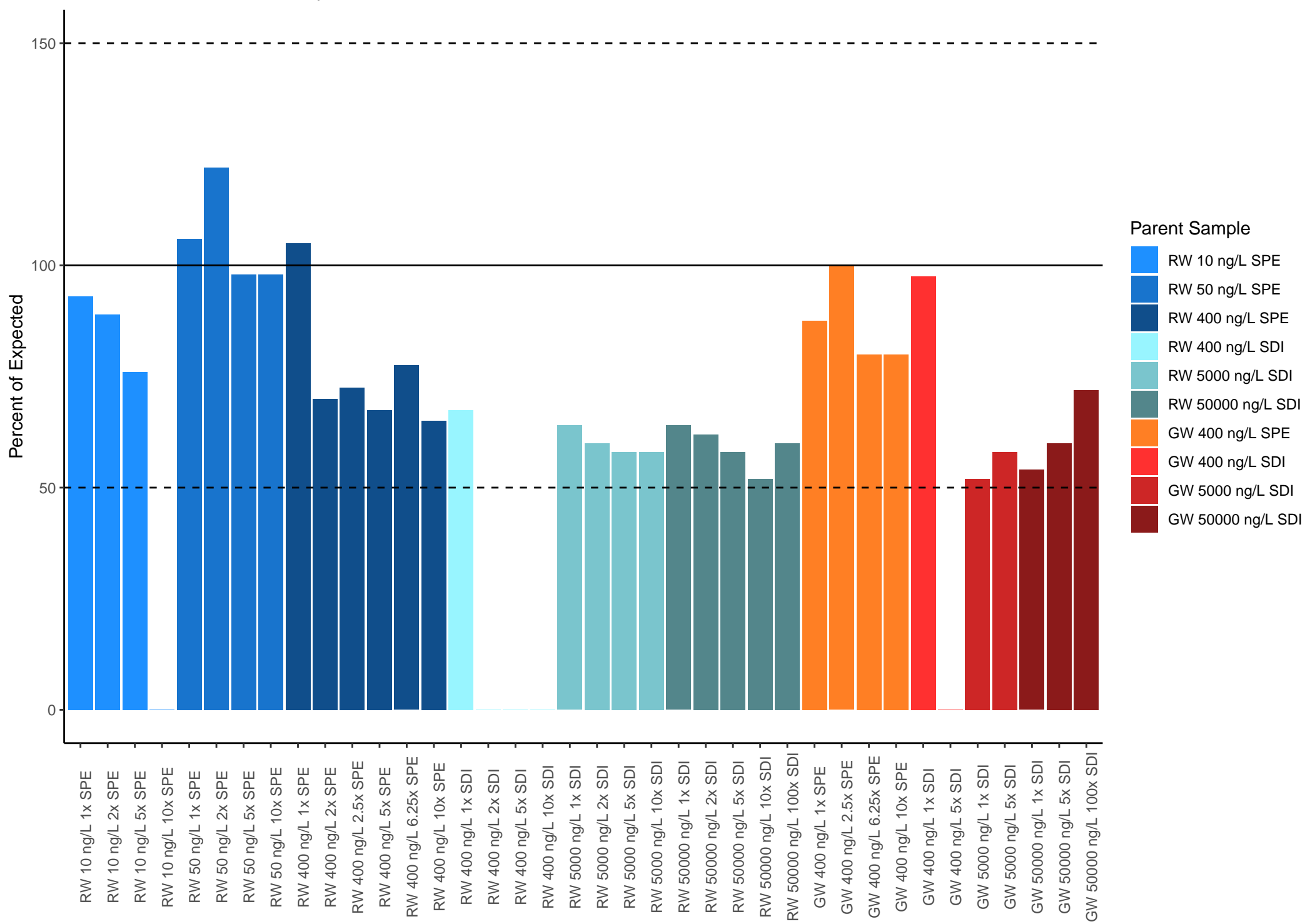
# Perfluoropropanesulfonic acid



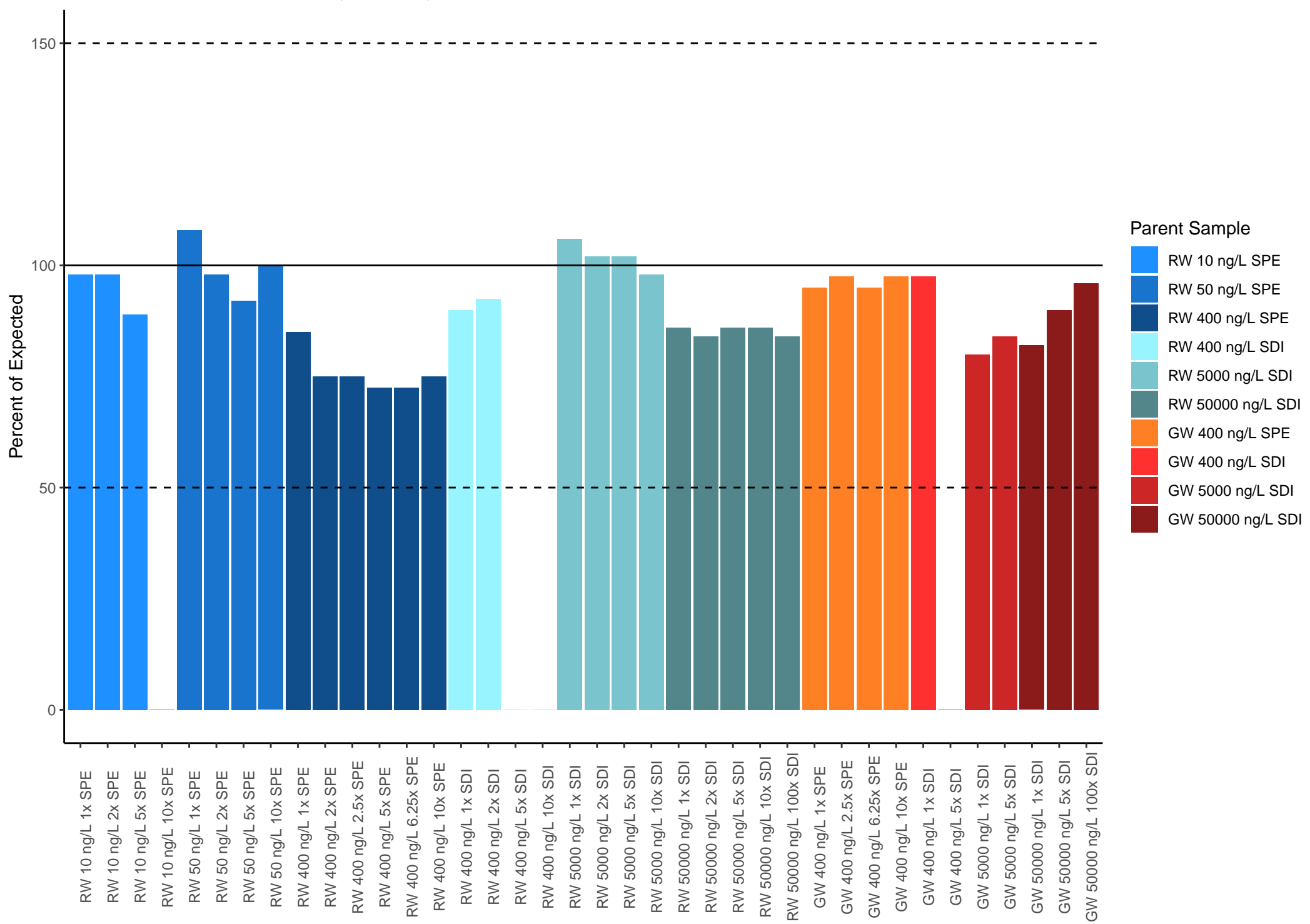
# 6:2 Fluorotelomer carboxylic acid



# 10:2 Fluorotelomer carboxylic acid

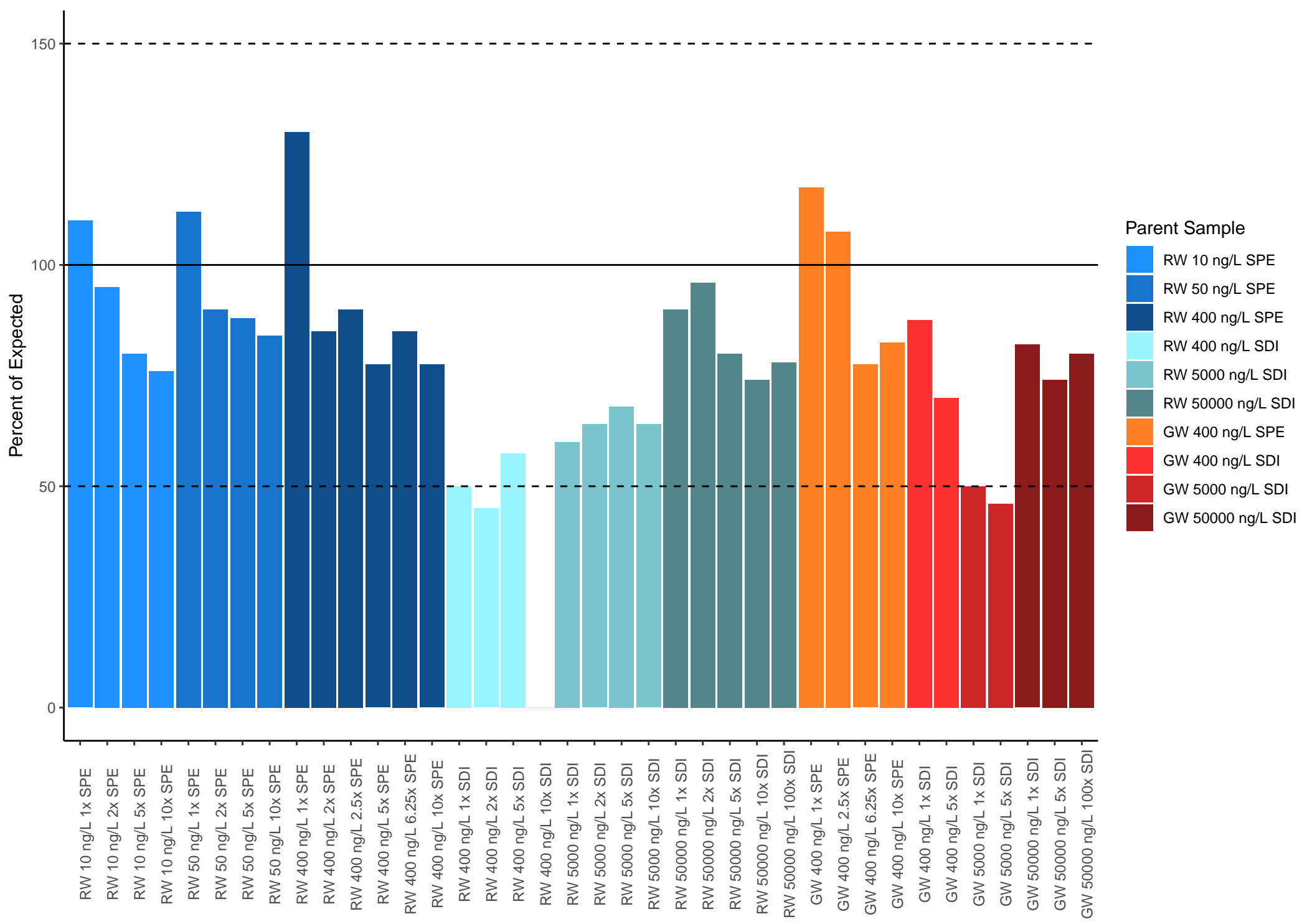


# Perfluorohexadecanoic acid (PFHxDA)

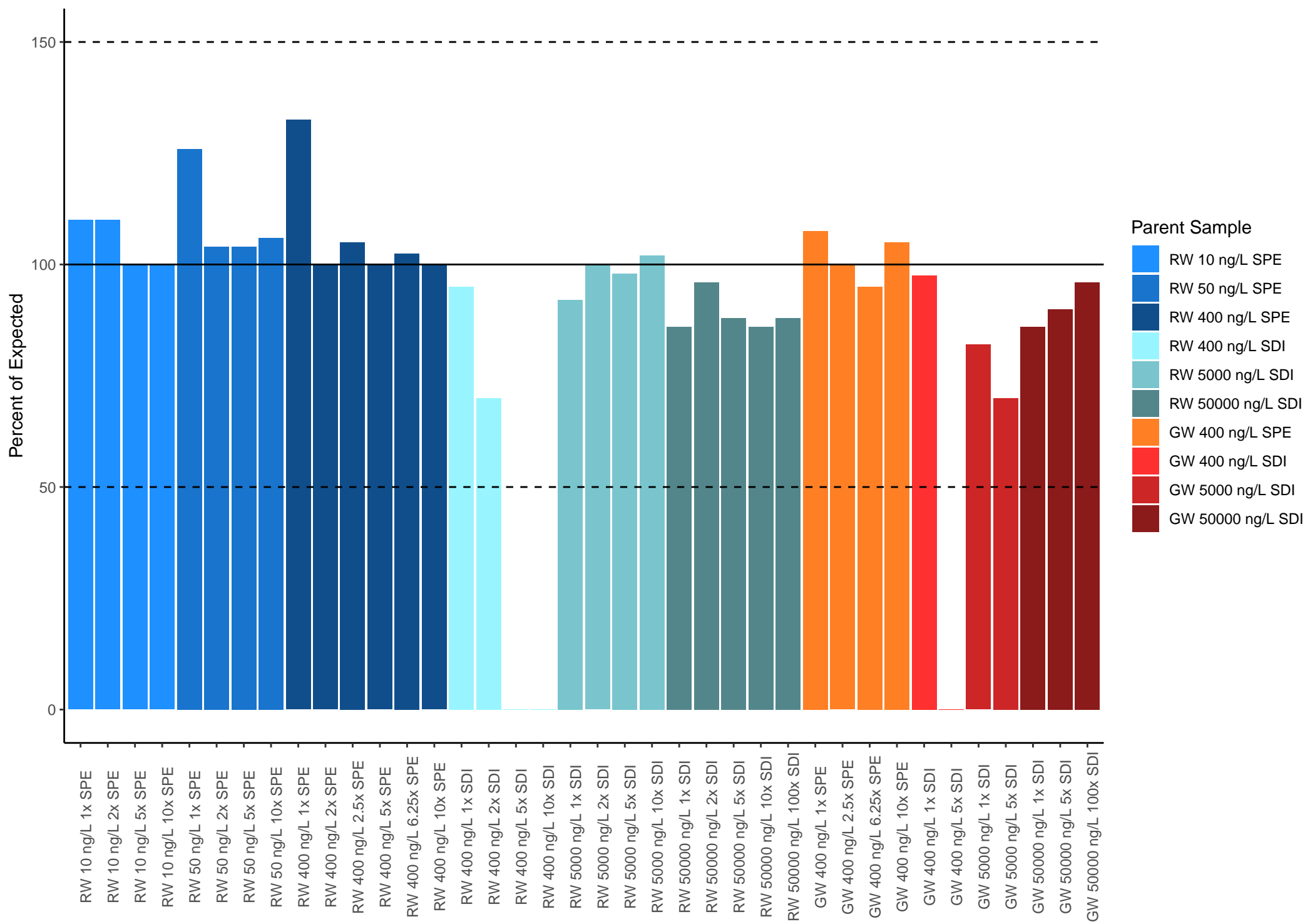




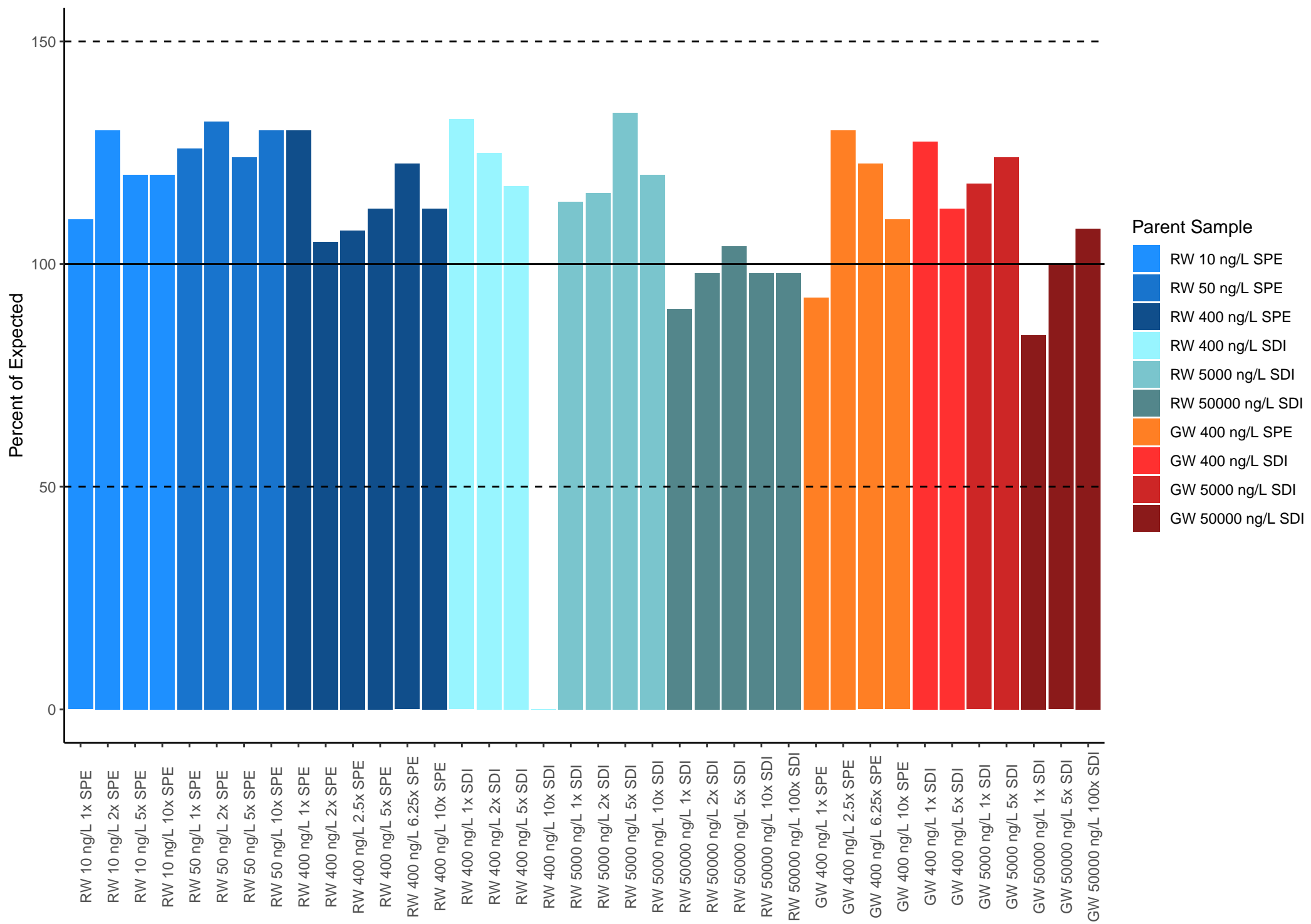
# Perfluorononane sulfonic acid



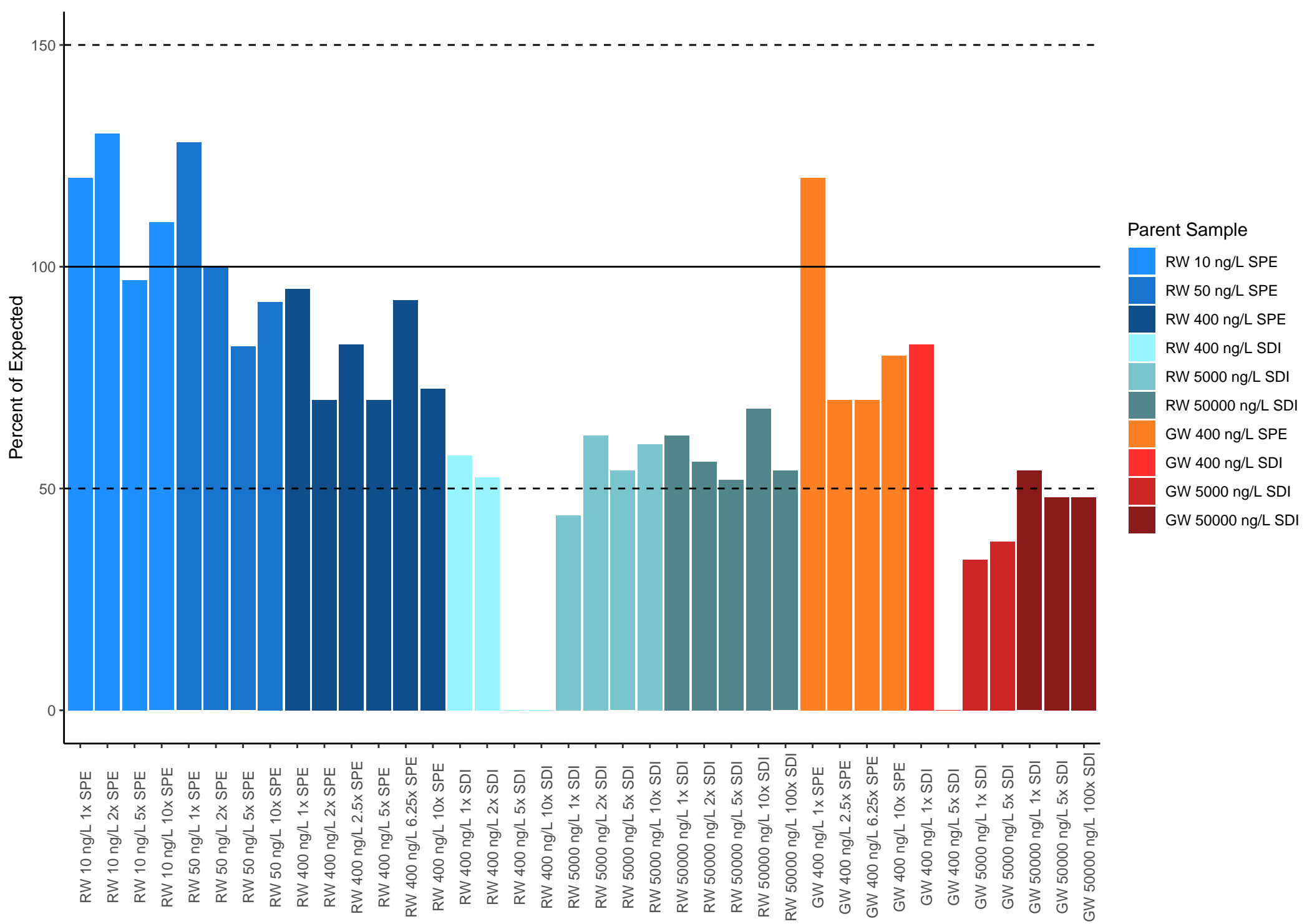
# 8:2 Fluorotelemer unsaturated acid



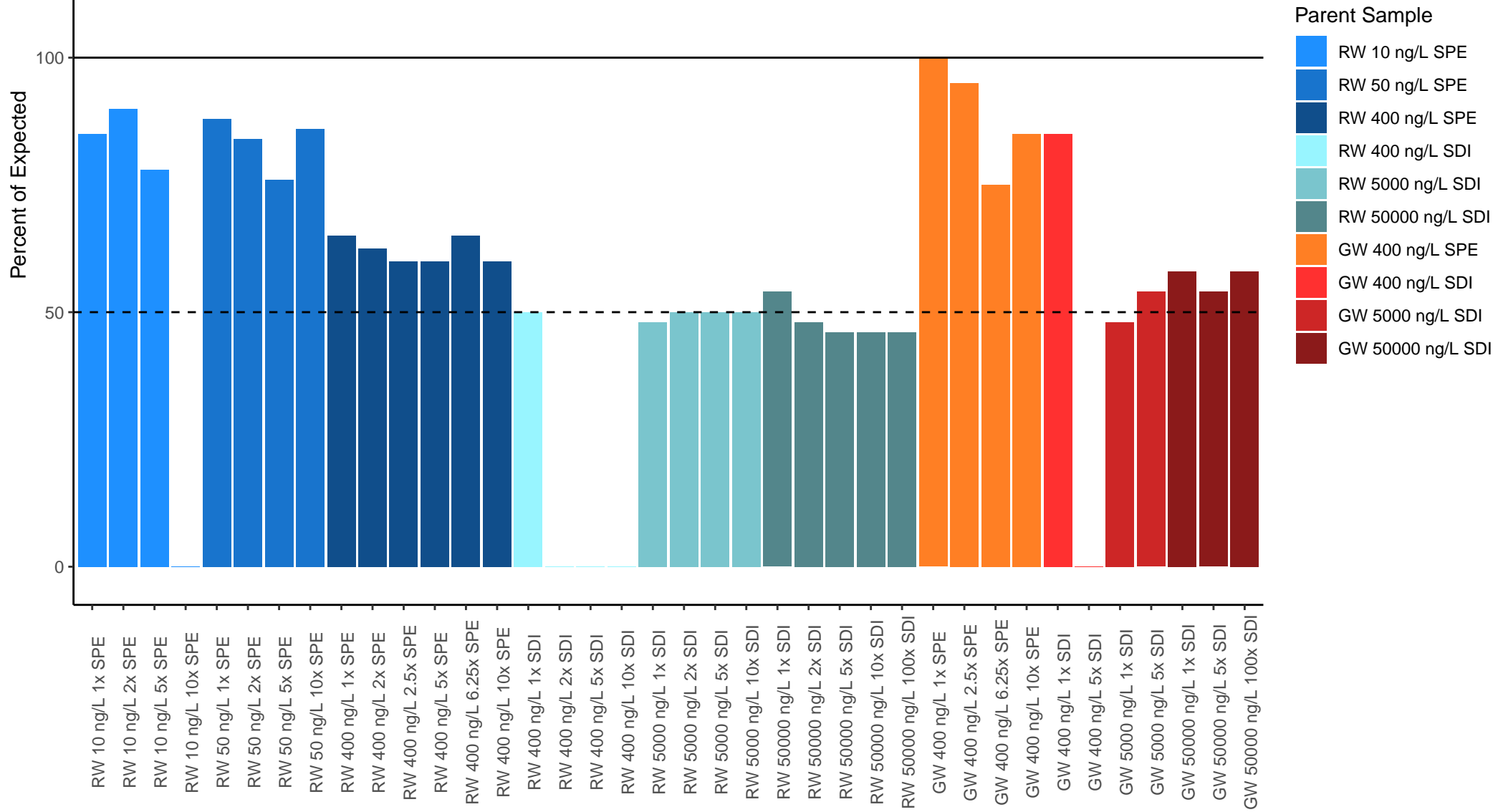
# 6:2 Fluorotelemer unsaturated acid



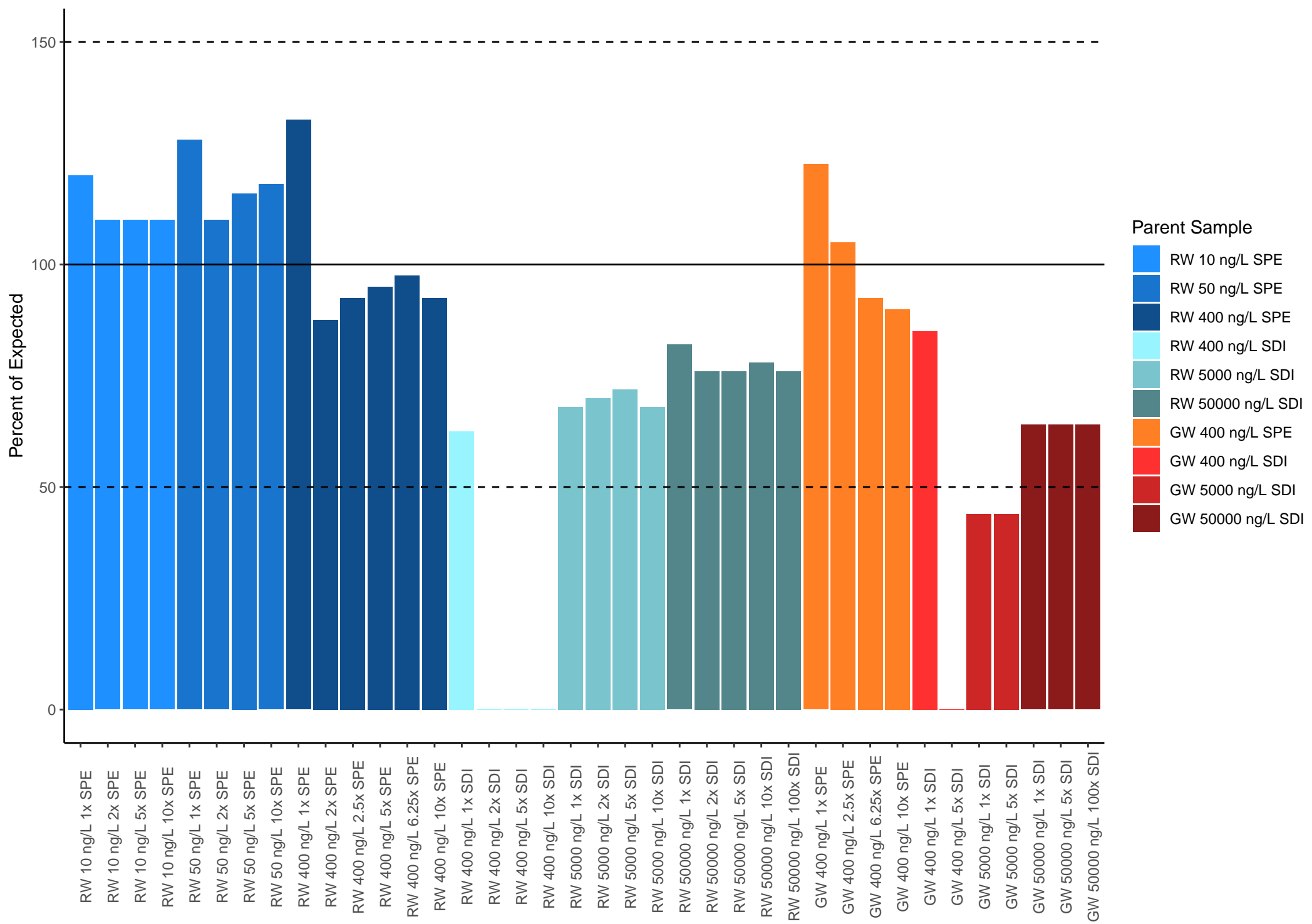
# 2H-Perfluoro-2-dodecanoic acid



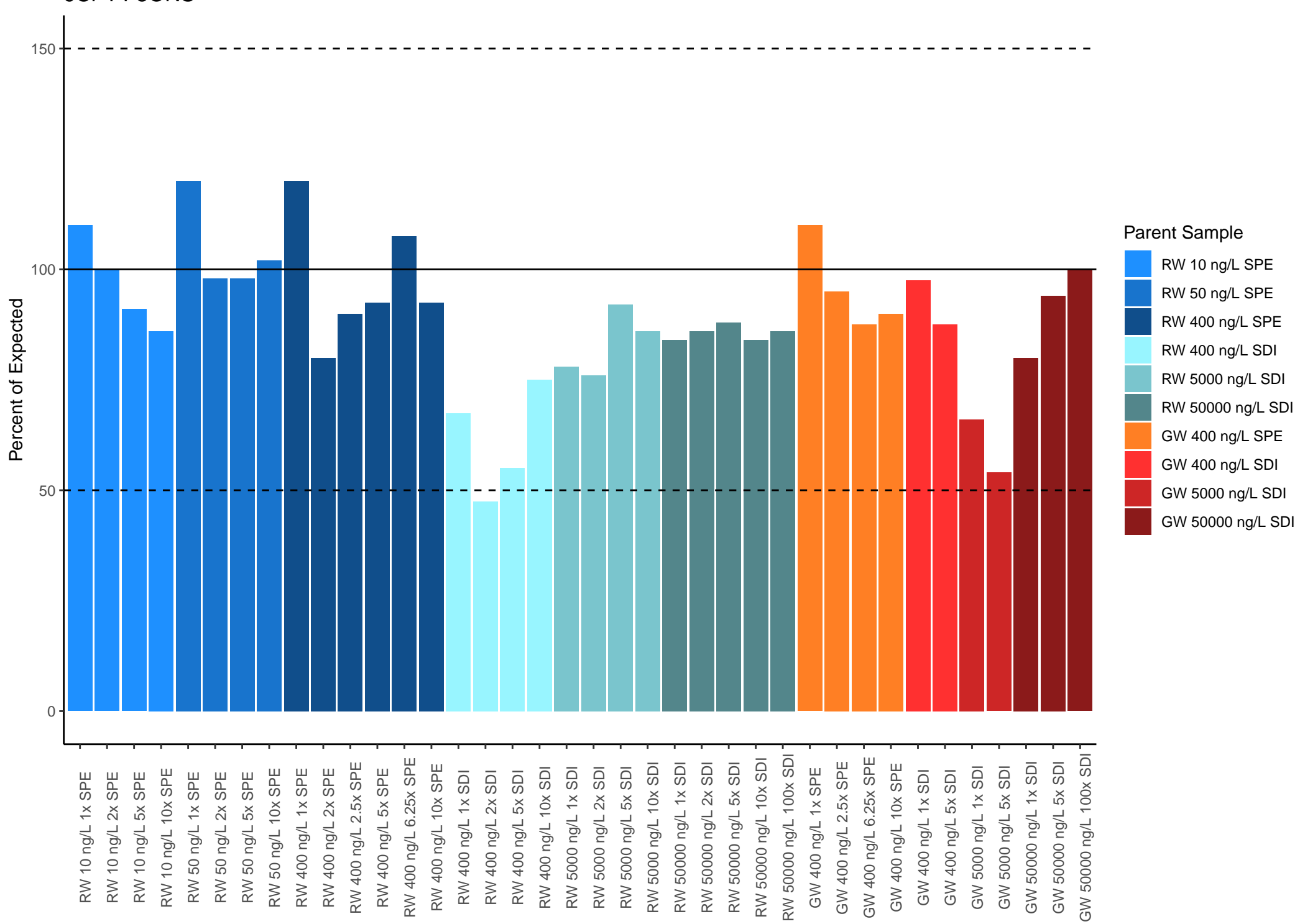
# Perfluorotridecanoic Acid



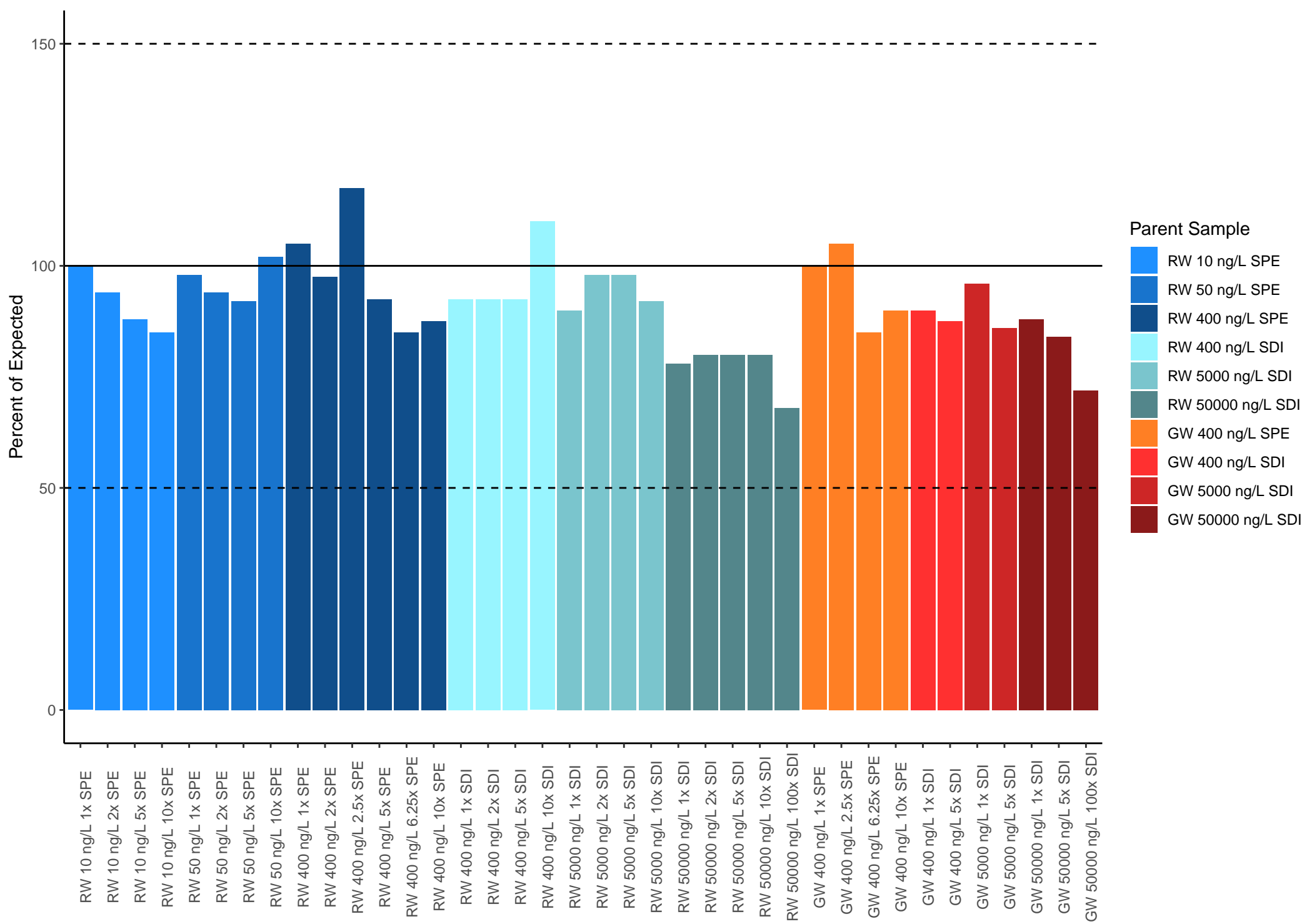
# Perfluorooctane Sulfonamide



# 9CI-PF3ONS

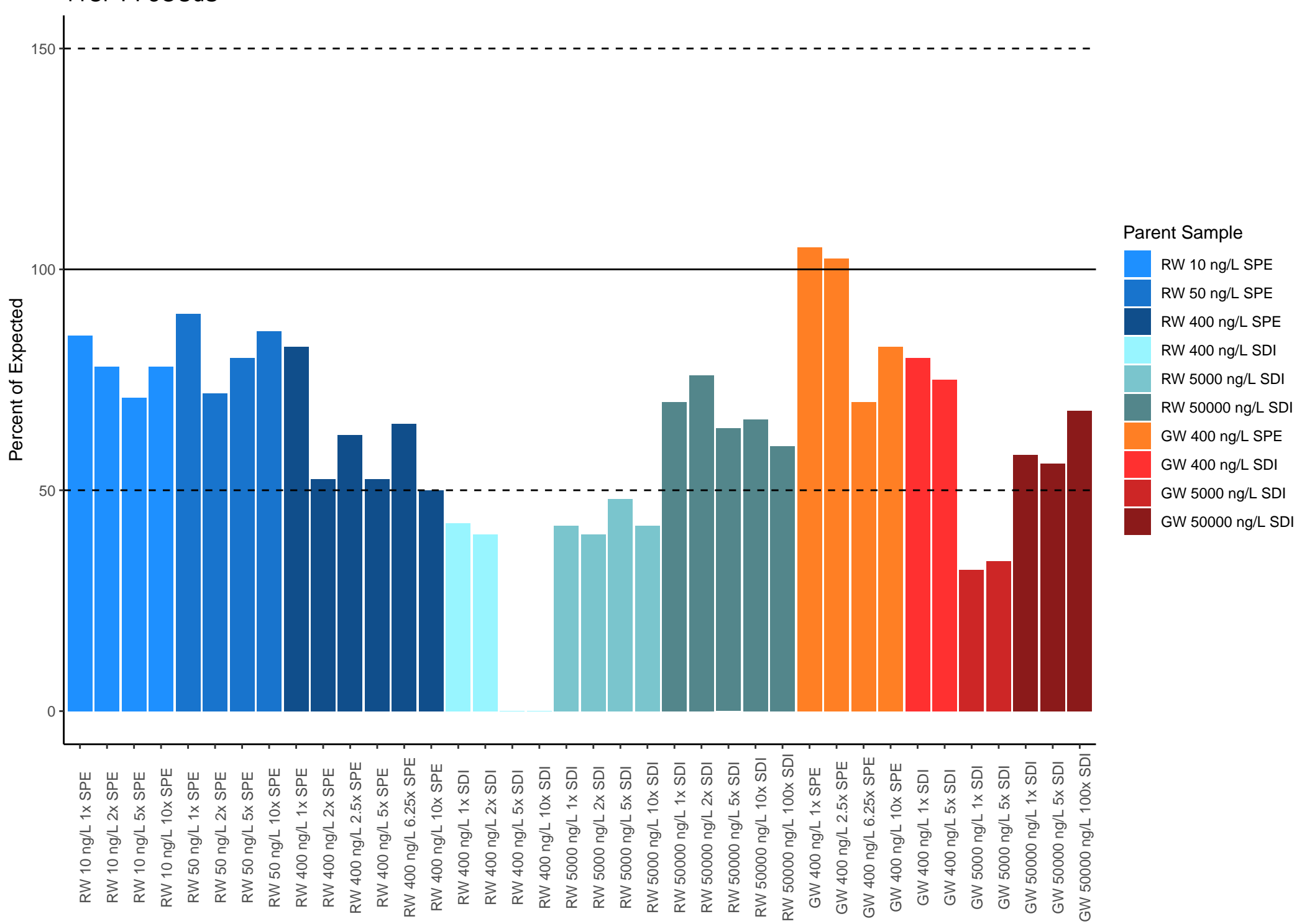


4:2 FTS

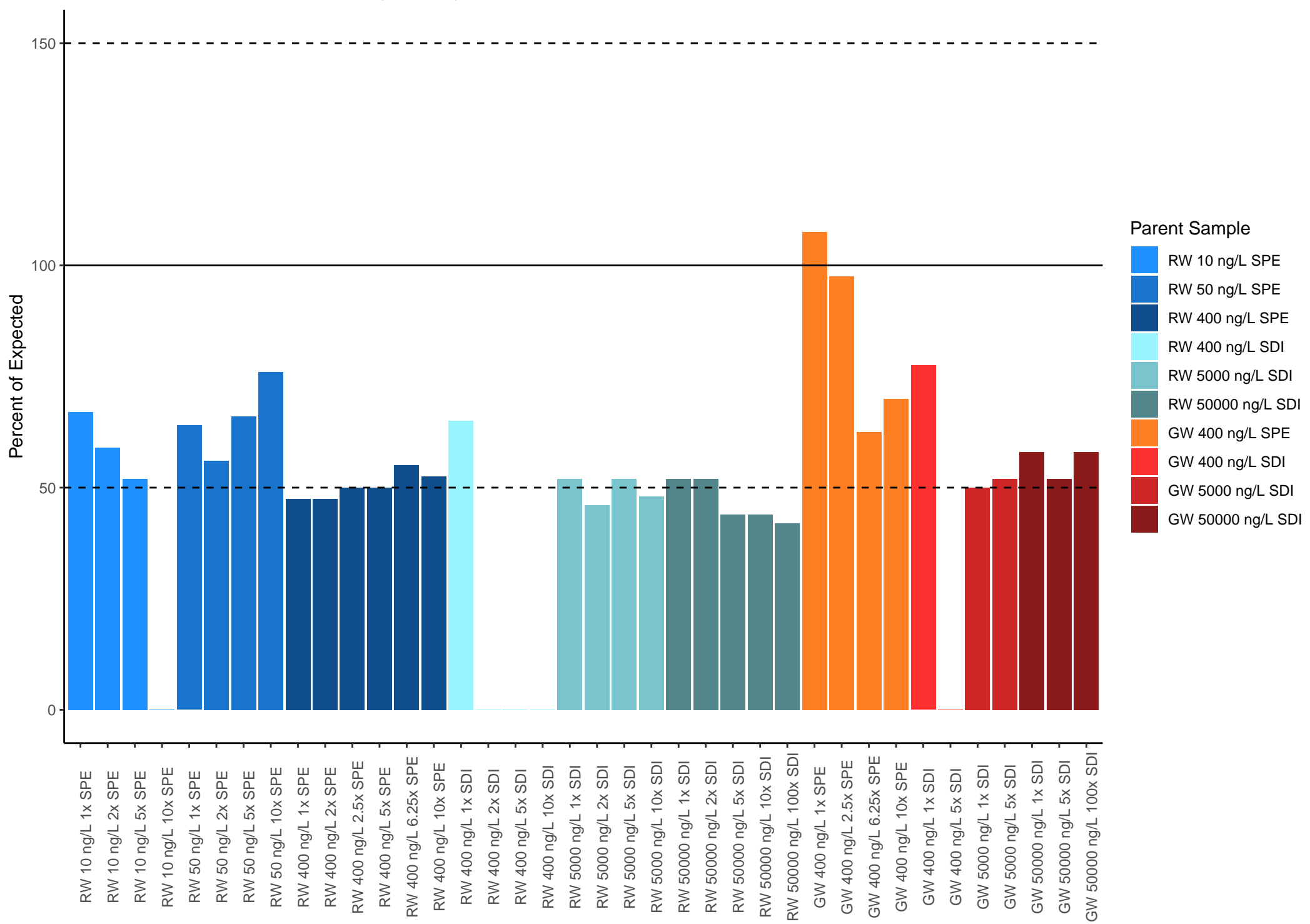




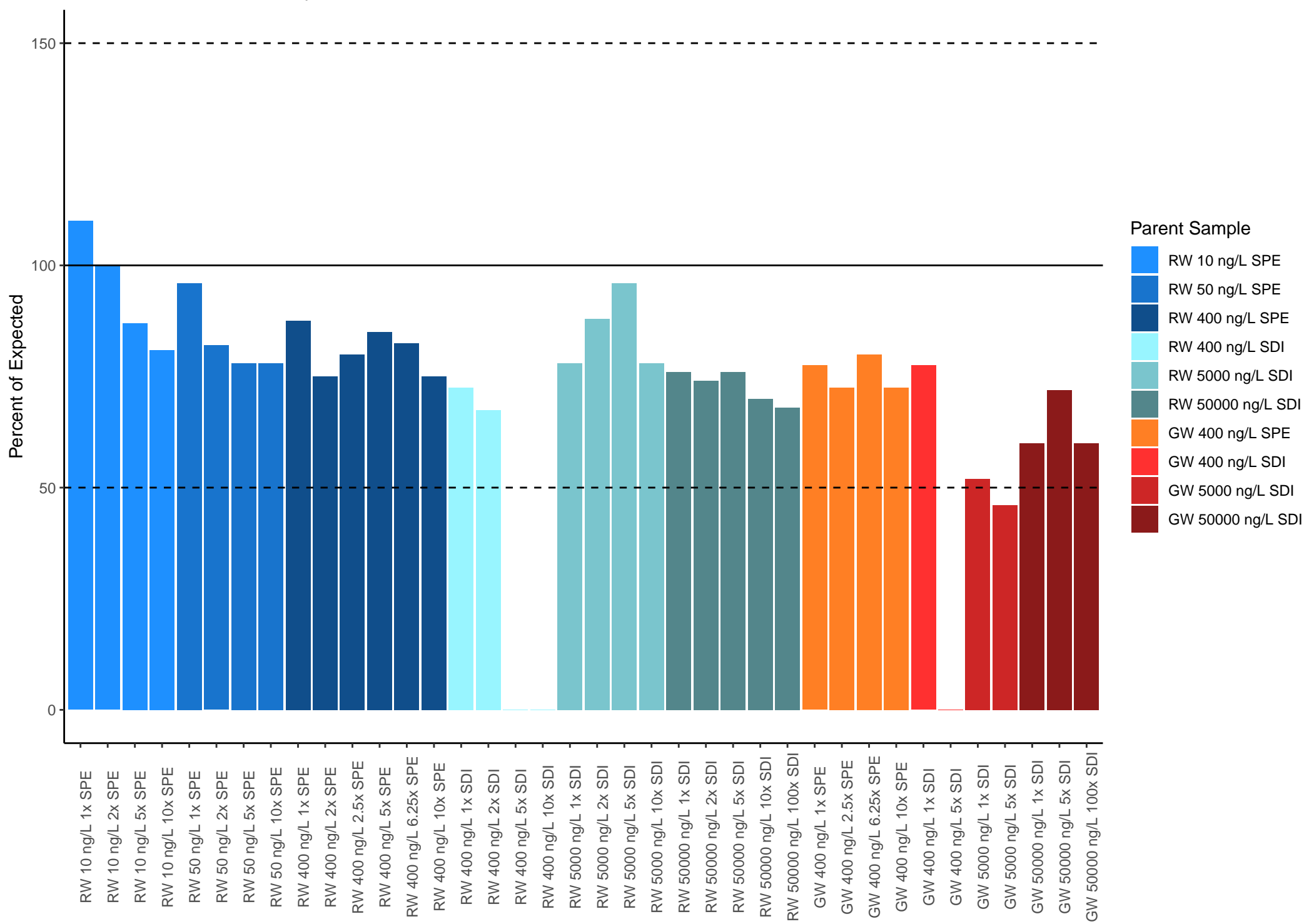
# 11Cl-PF3OUds



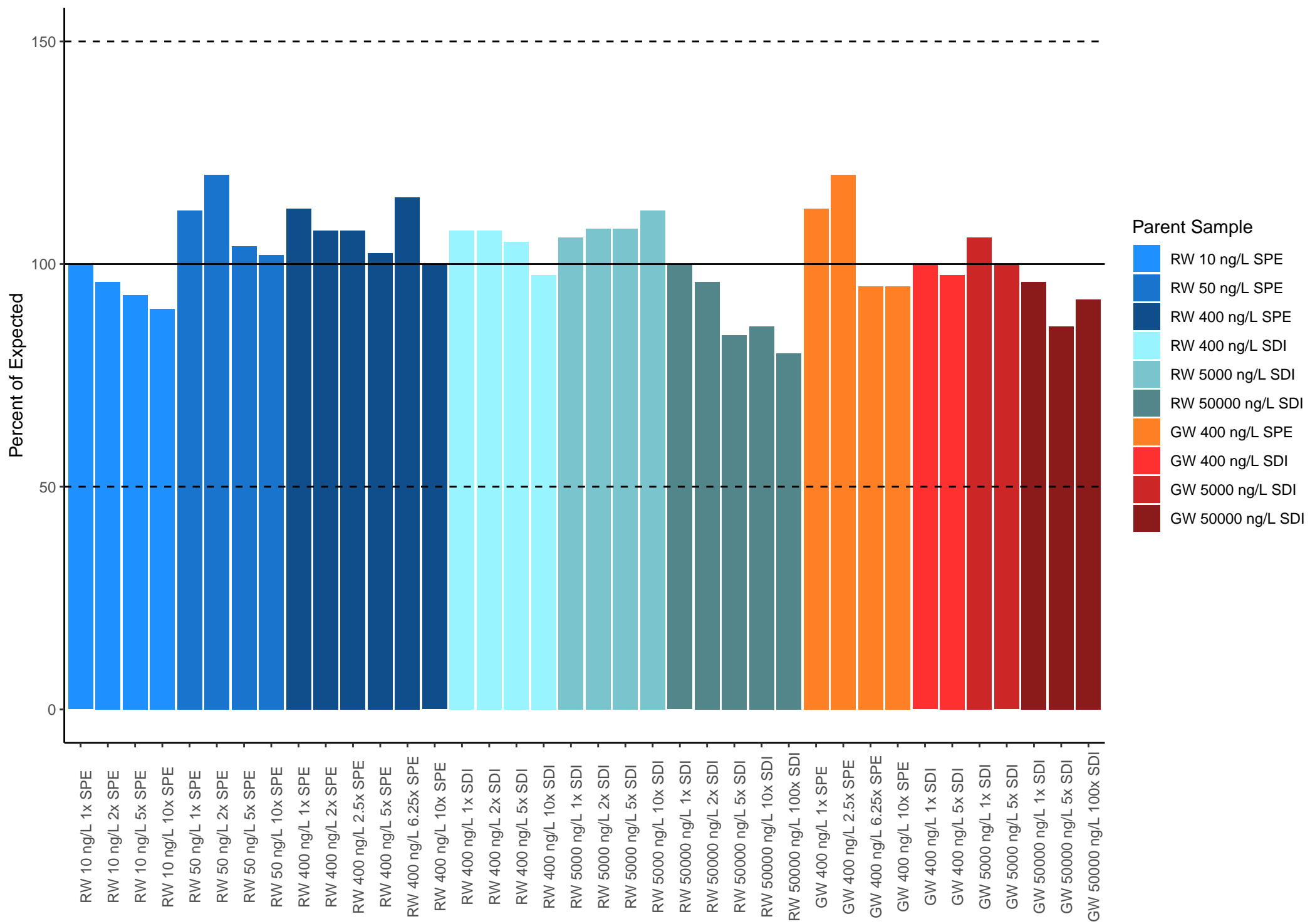
# Perfluorododecane sulfonic acid (PFDoS)



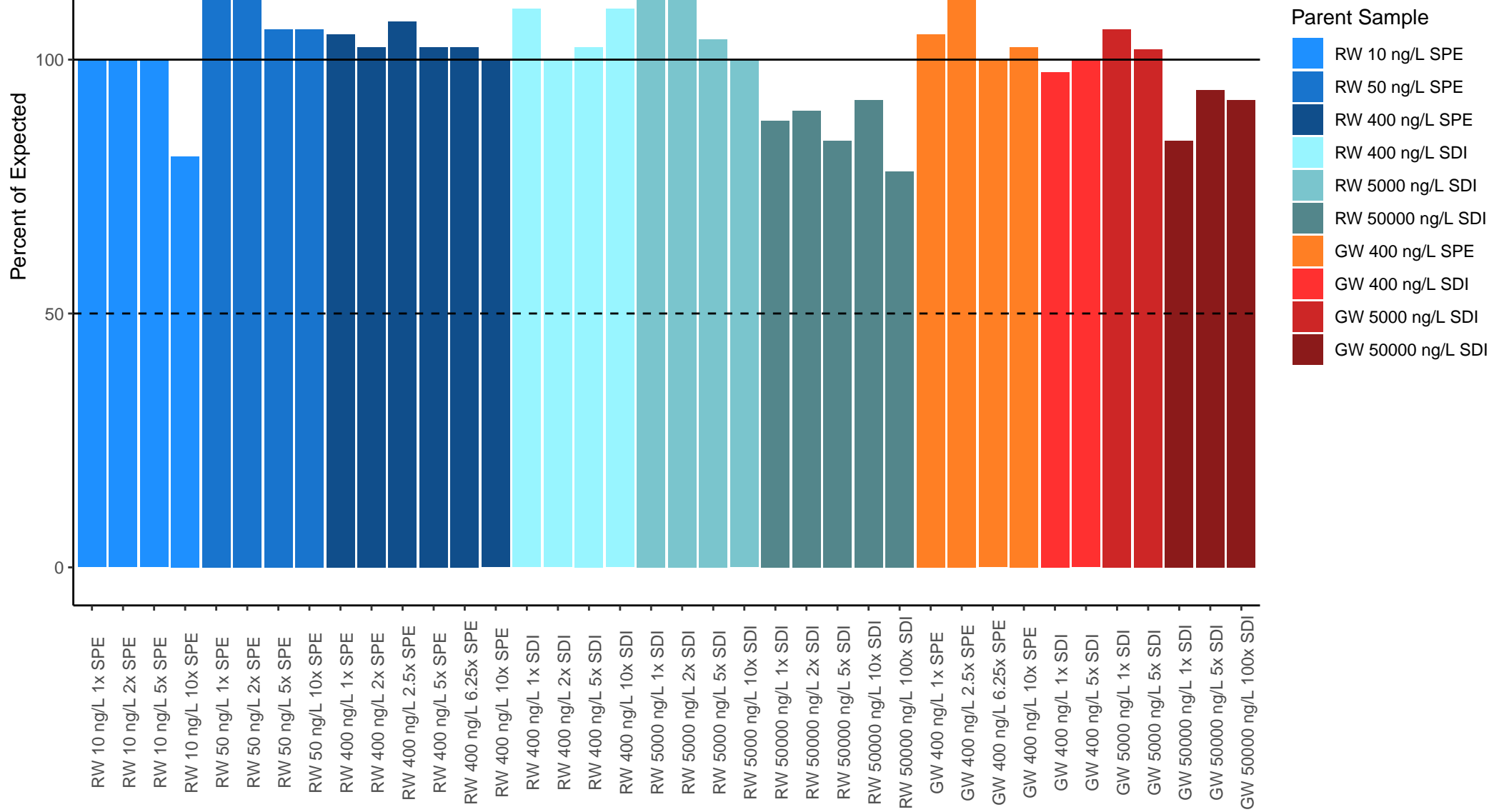
# 7:3 Fluorotelomer carboxylic acid



# PFECA-A



# 5:3 Fluorotelomer carboxylic acid



# DONA

