

Table 2. Summary of Results in Key Studies of Fluoride Exposure and Neurodevelopment			
	ELEMENT	MIREC	INMA
Drinking water exposure	Not reported		Not reported
Prenatal Exposure			
Overall IQ		Age 4: -3.7 (-7.2, -0.2) per 1 mg/day -2.3 (-4.5, -0.1) per interquartile range	
Performance IQ		-2.7 (-6.8, 1.3) per 1 mg/day	
Verbal IQ		-3.1 (-6.4, 0.3) per 1 mg/day	
Postnatal exposure			
Overall IQ		Till: Formula-fed infants: -4.4 (-8.3, -0.5) per 0.5 mg/L Breastfed: -1.3 (-5.0, 2.4) per 0.5 mg/L	
Performance IQ		Till: Formula-fed infants: -9.3 (-13.8, -4.8) per 0.5 mg/L Breastfed: -1.3 (-6.2, -10.5) per 0.5 mg/L	
Verbal IQ		Till: Formula-fed infants: 0.9 (-2.9, -4.7) per 0.5 mg/L Breastfed: 3.1 (-0.5, 6.6) per 0.5 mg/L	
Biomarker of prenatal exposure			
Time 1 assessment			
Overall IQ	Bashash: Age 4: -3.2 (-5.4, -0.9) per 0.5 mg/L (McCarthy) Goodman: Age 4 Full Scale IQ: -2.1 (-3.8, -0.4) per 0.5 mg/L	Age 4: -2.0 (-5.2, 1.8) per 1 mg/L -0.6 (-1.7, 0.4) per interquartile range (Wechsler) Boys: -4.5 (-8.4, -0.6) per 1 mg/L Girls: 2.4 (-2.5, 7.3) per 1 mg/L	Age 1: 1.5 (-4.2, 7.2) per mg/L (Bayley)
Performance IQ	Goodman: -3.1 (-4.7, -1.5) per 0.5 mg/L	-1.2 (-4.9, 2.4) per 1 mg/L	

Verbal IQ	Goodman: -0.8 (-2.3, 0.7) per 0.5 mg/L	-1.6 (-4.7, 1.6) per 1 mg/L	
Time 2 assessment			
Overall IQ	Bashash: Age 6-12: -2.5 (-4.1, -0.6) per 0.5 mg/L (Wechsler) Goodman Age 6-12: -2.0 (-3.7, -0.5) per 0.5 mg/L	Not assessed	Age 4: 15.4 (6.3, 24.5) per mg/L (McCarthy)
Performance IQ	Goodman: -1.8 (-3.4, -0.2) per 0.5 mg/L		5.9 (0.3, 11.4) per mg/L (McCarthy)
Verbal IQ	Goodman: -1.9 (-3.7, -0.2) per 0.5 mg/L		13.9 (3.9, 23.8) per mg/L (McCarthy)
Biomarker of postnatal exposure			
	Age 6-12: -0.9 (-2.6, 0.9) (Wechsler)	Not assessed	Not assessed

UNITED STATES DISTRICT COURT
NORTHERN DISTRICT OF CALIFORNIA

Case Number: 3:17-cv-02162-EMC

PLTF / DEFT EXHIBIT

NO. **657**

Date
Admitted: _____

By: _____

Vicky Ayala, Courtroom Deputy
