



# Organophosphorus Cumulative Risk Assessment – 2006 Update

--- Continuation ----

**August 2006**

Appendices have been separated from the original PDF into individual PDF documents for viewing on-line.

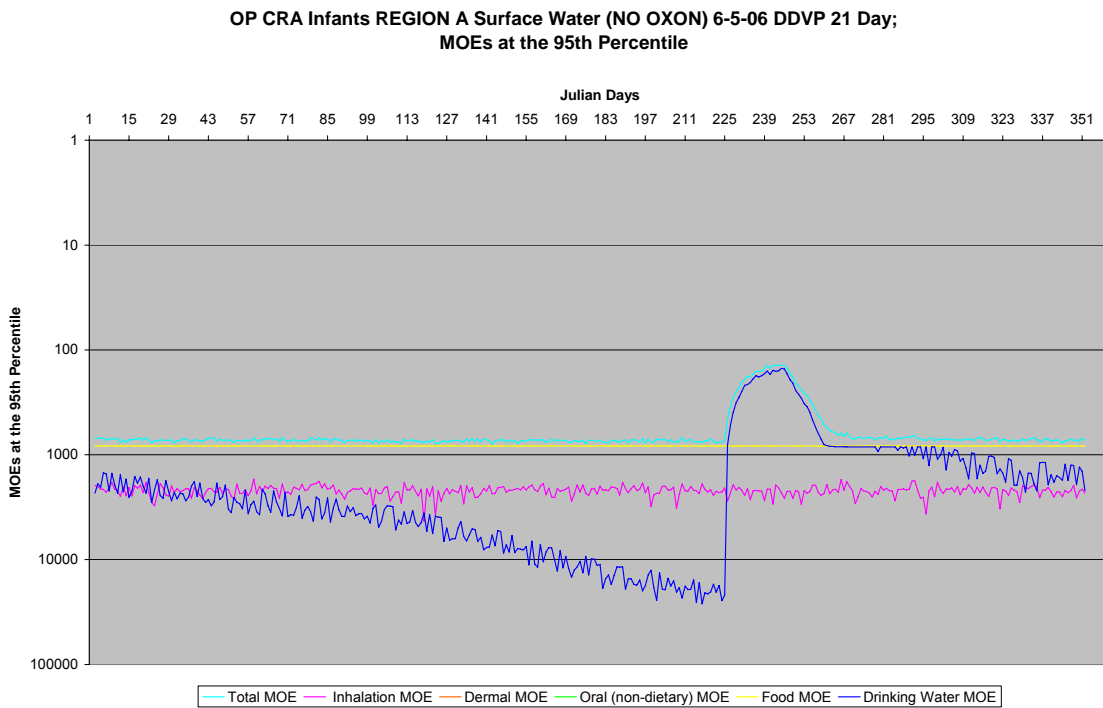
**This PDF contains the Region A, C, & G appendices**



### III. Multipathway Graphs for the OP Cumulative Risk Assessment, 2006 Update

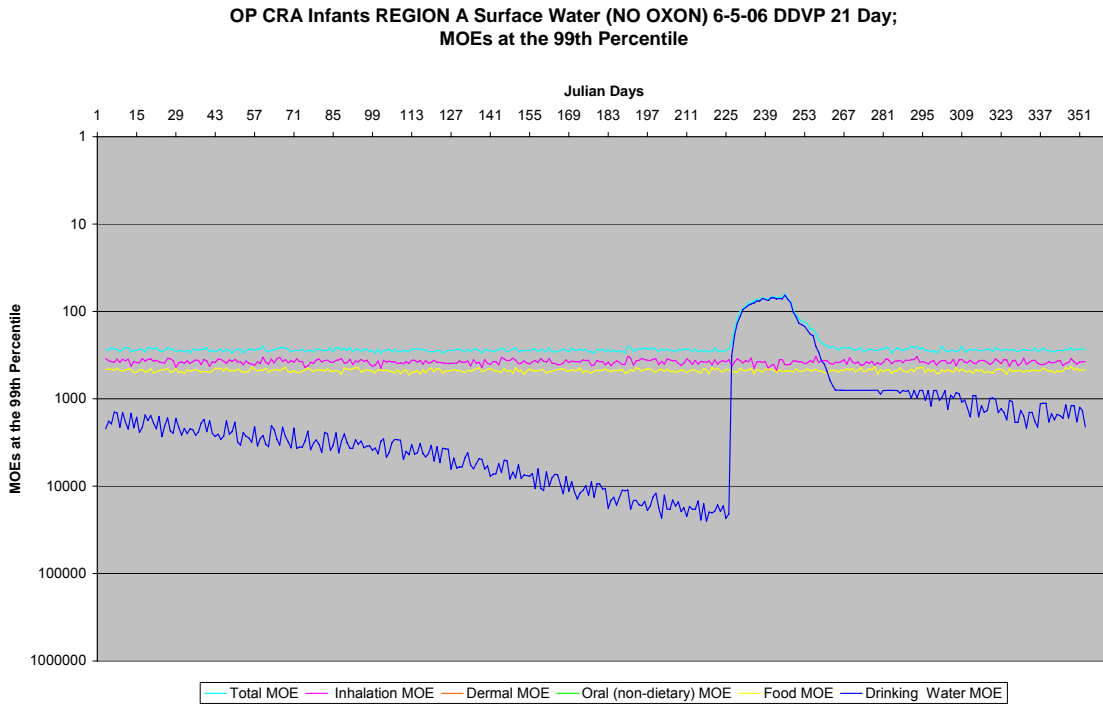
#### A. Region A

**Figure III.A-1 Infants Region A Surface Water (No oxon) DDVP, 21-day; MOEs at the 95<sup>th</sup> percentile**

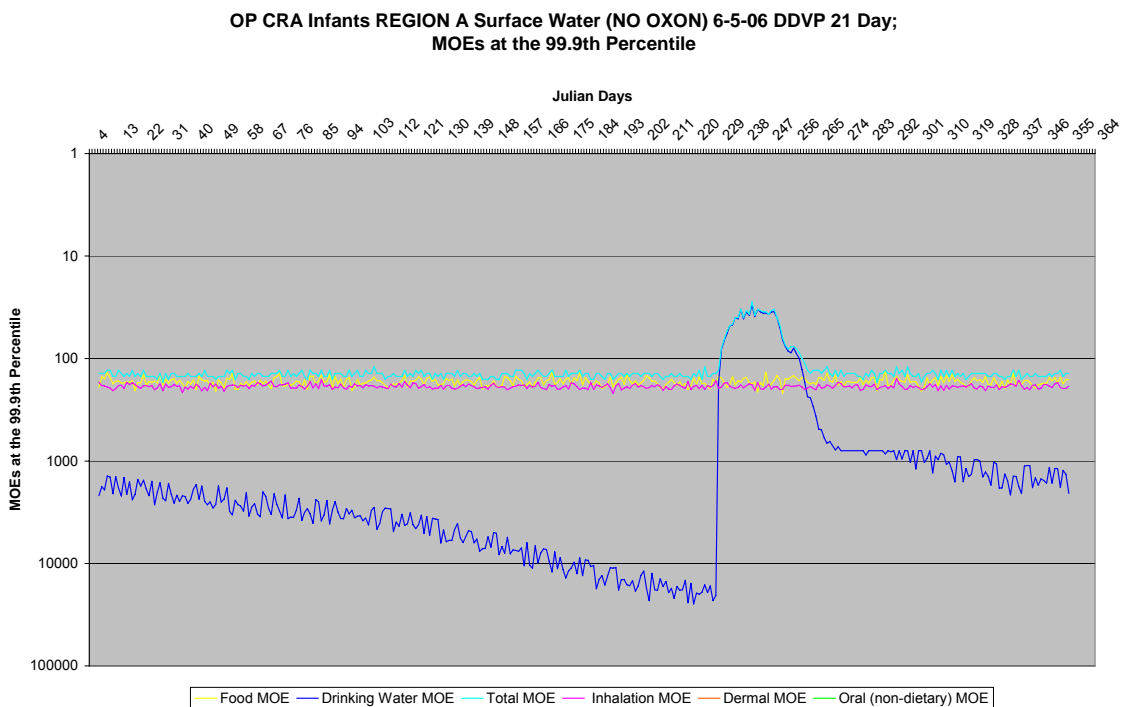




**Figure III.A 2**



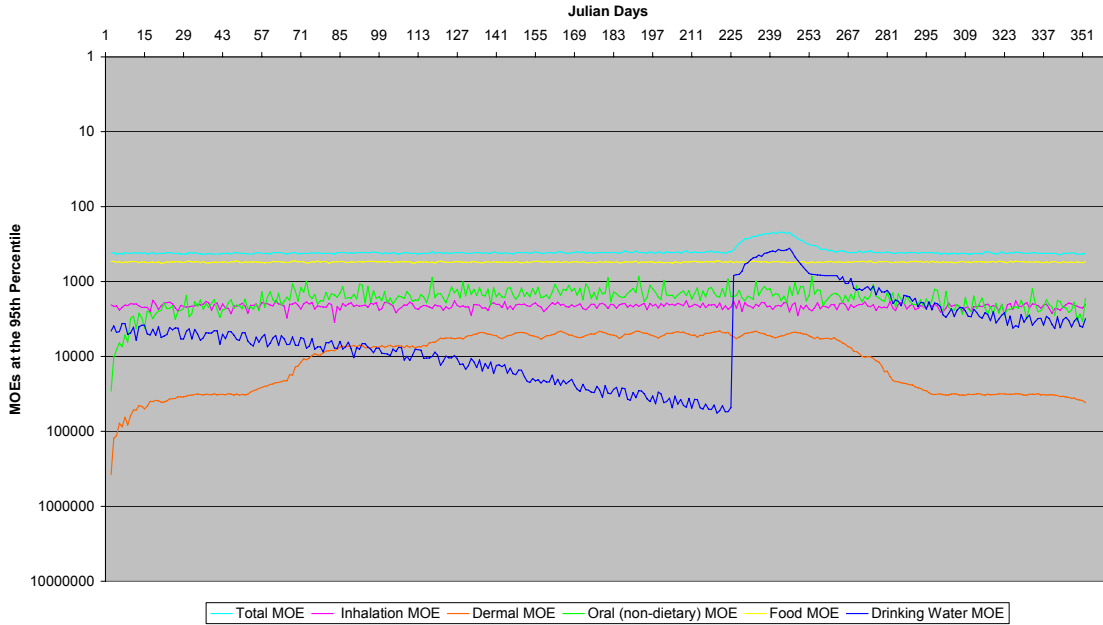
**Figure III.A 3**





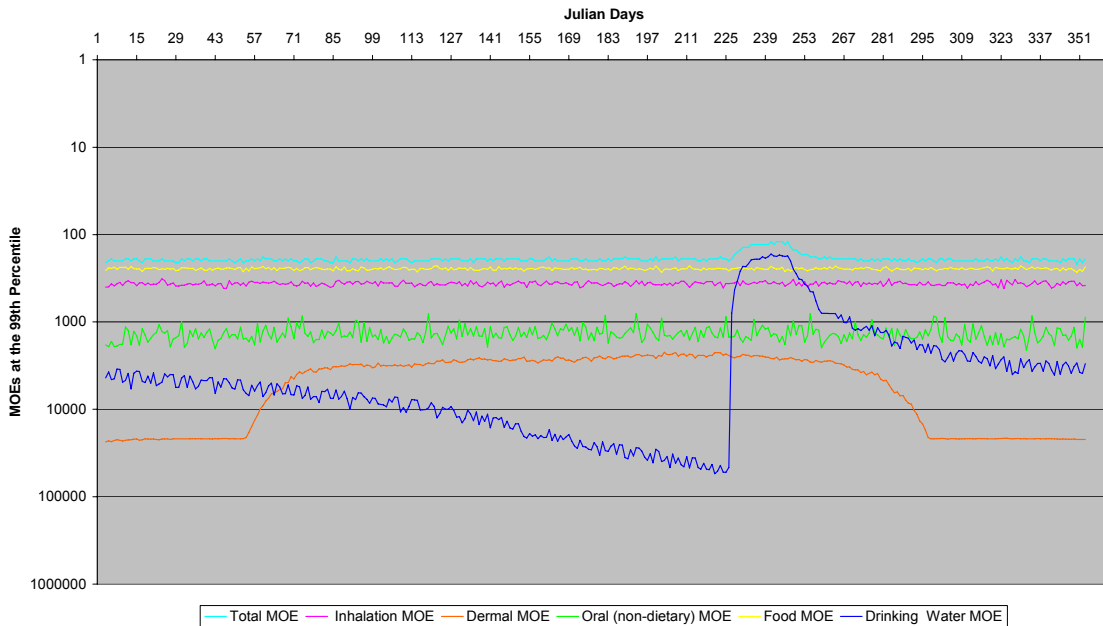
**Figure III.A 4**

**OP CRA Children 1-2 REGION A Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile**



**Figure III.A 5**

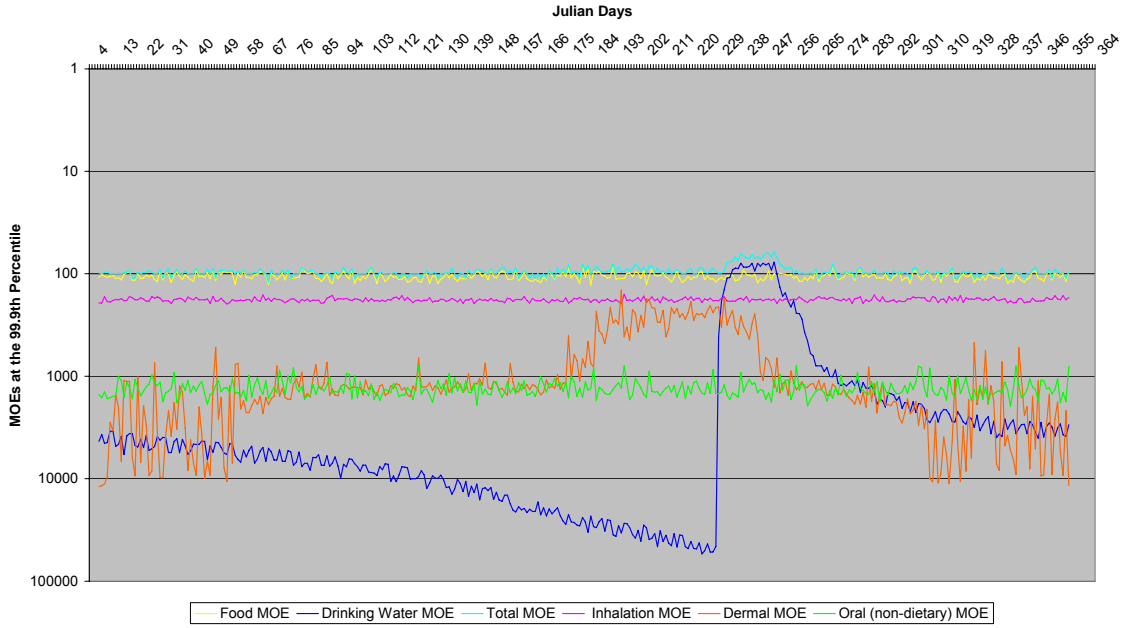
**OP CRA Children 1-2 REGION A Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile**





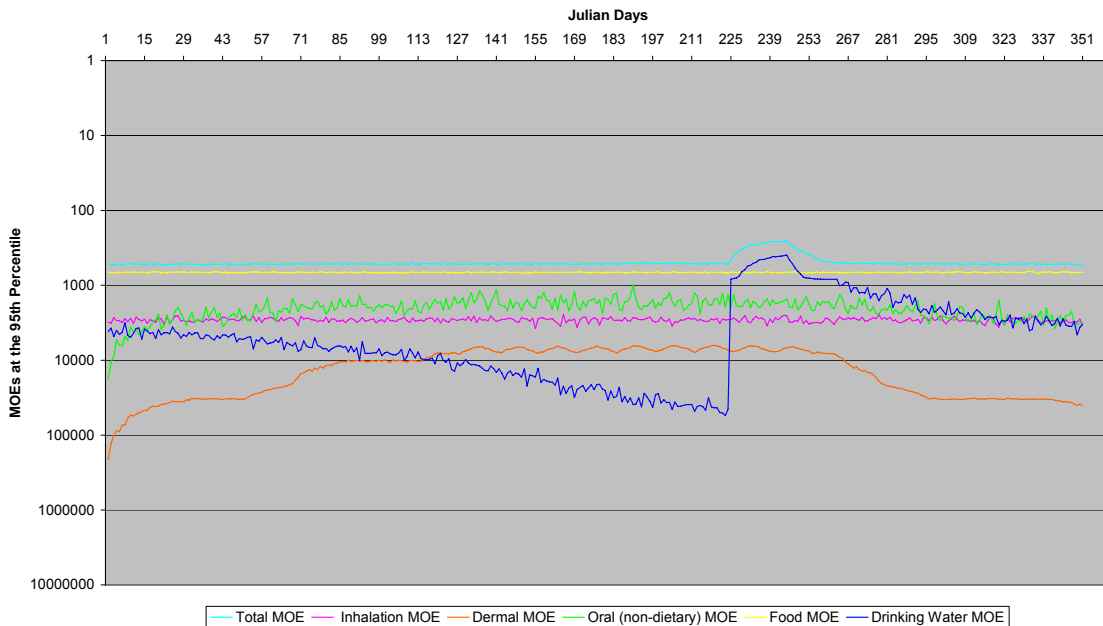
**Figure III.A 6**

**OP CRA Children 1-2 REGION A Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile**



**Figure III.A 7**

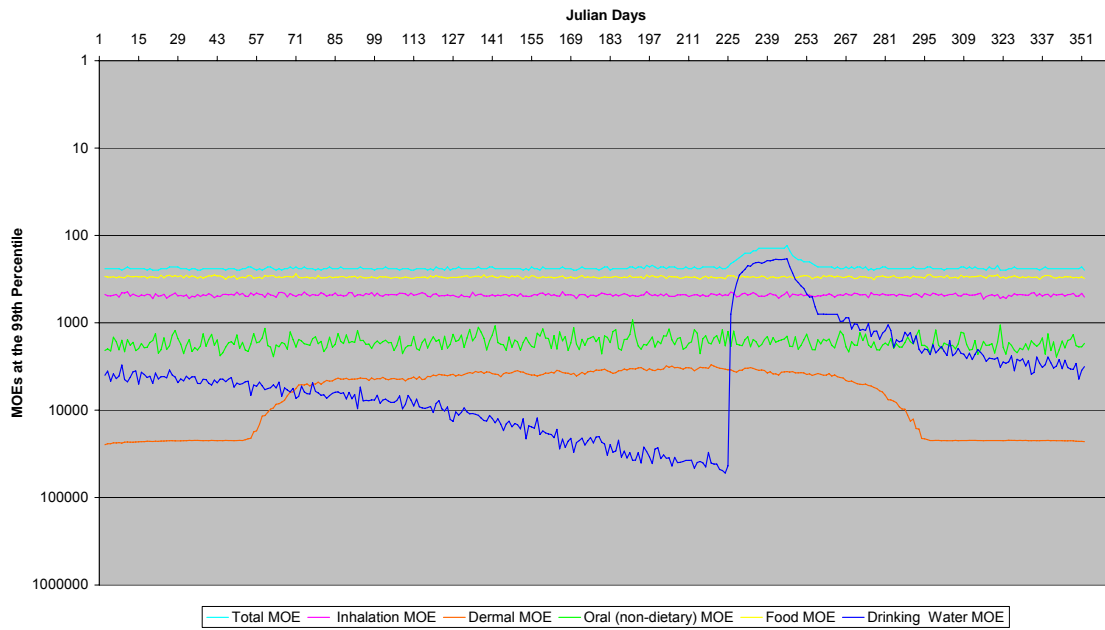
**OP CRA Children 3-5 REGION A Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile**





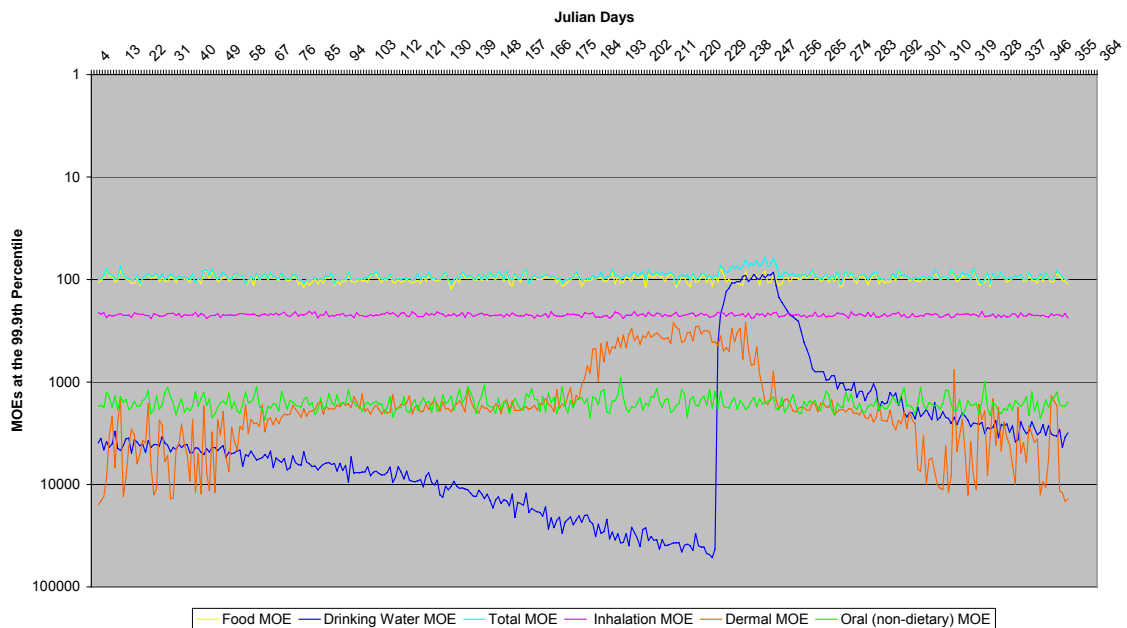
**Figure III.A 8**

**OP CRA Children 3-5 REGION A Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
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**Figure III.A 9**

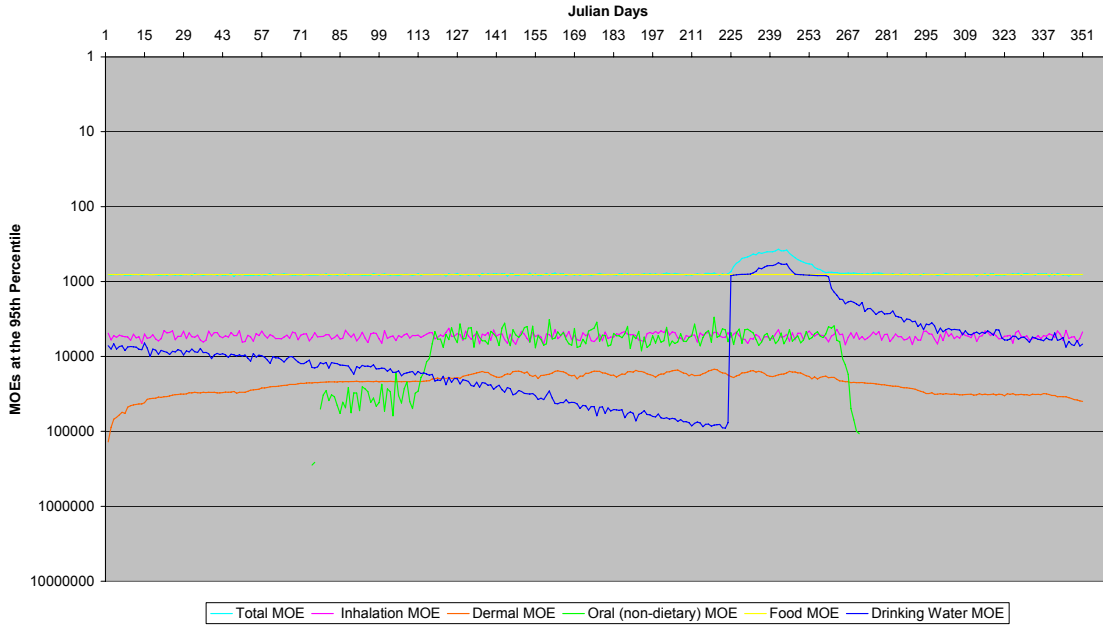
**OP CRA Children 3-5 REGION A Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile**





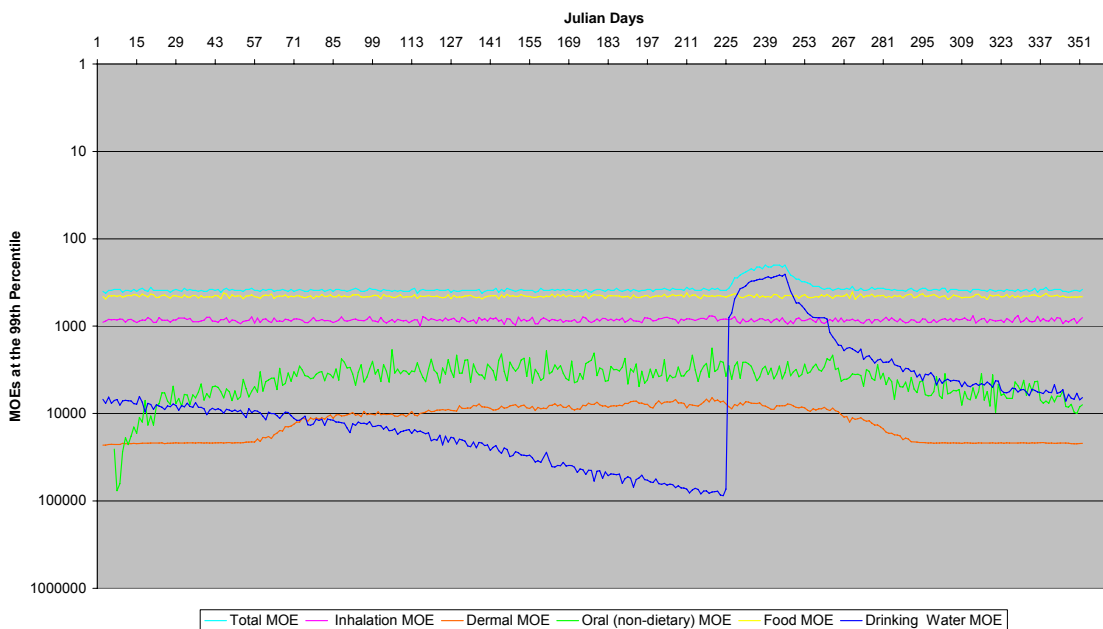
**Figure III.A 10**

OP CRA Children 6-12 REGION A Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile



**Figure III.A 11**

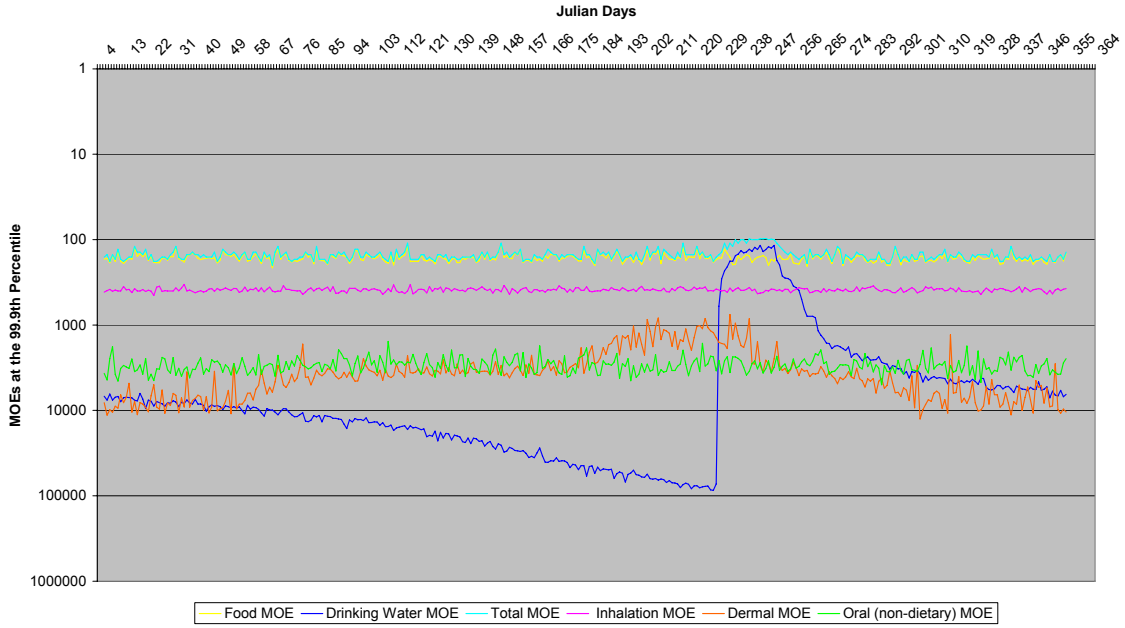
OP CRA Children 6-12 REGION A Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile





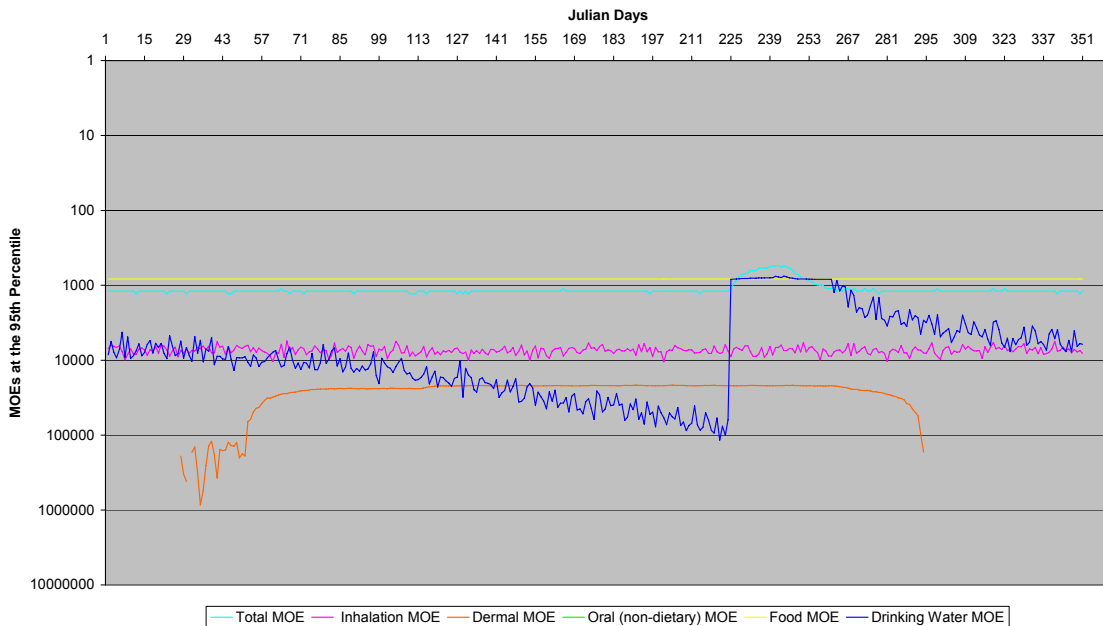
**Figure III.A 12**

**OP CRA Children 6-12 REGION A Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile**



**Figure III.A 13**

**OP CRA Youths 13-19 REGION A Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile**

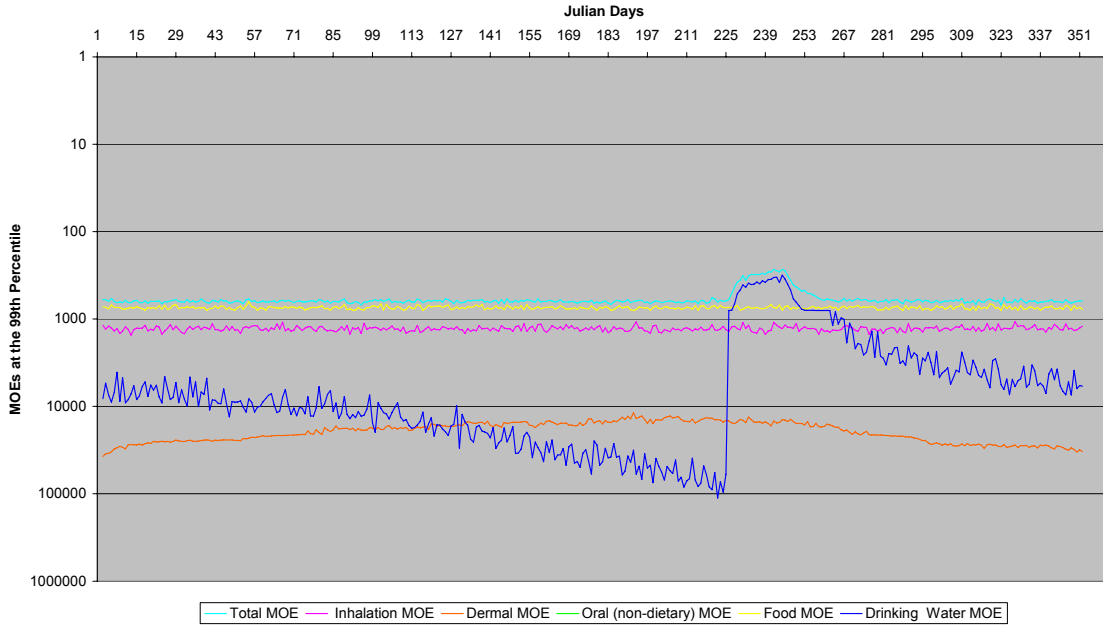






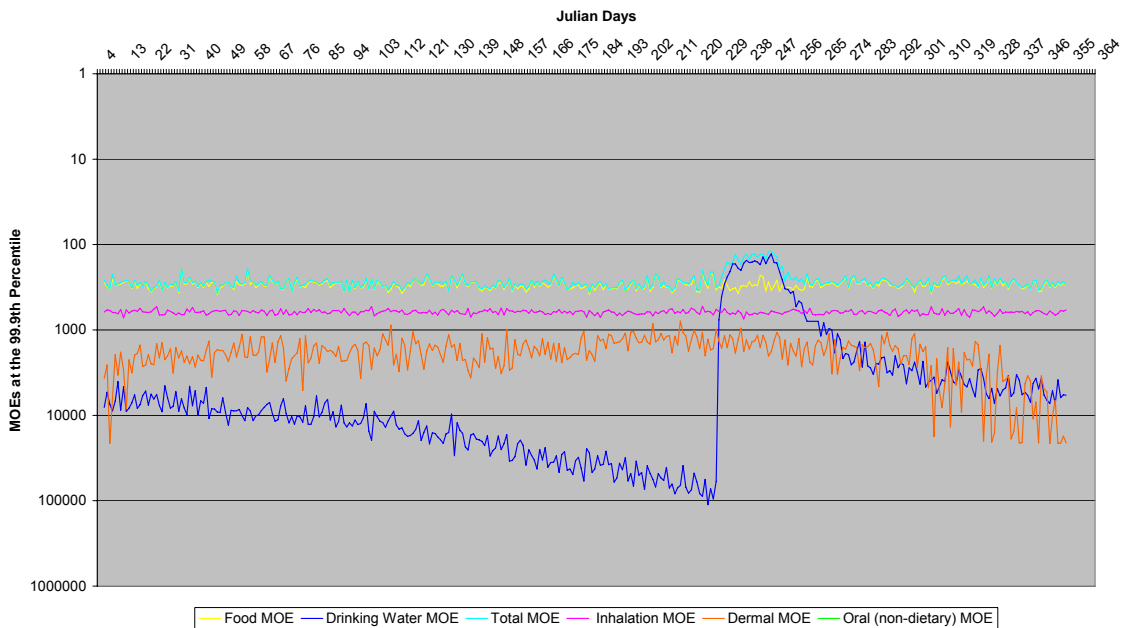
**Figure III.A 14**

**OP CRA Youths 13-19 REGION A Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile**



**Figure III.A 15**

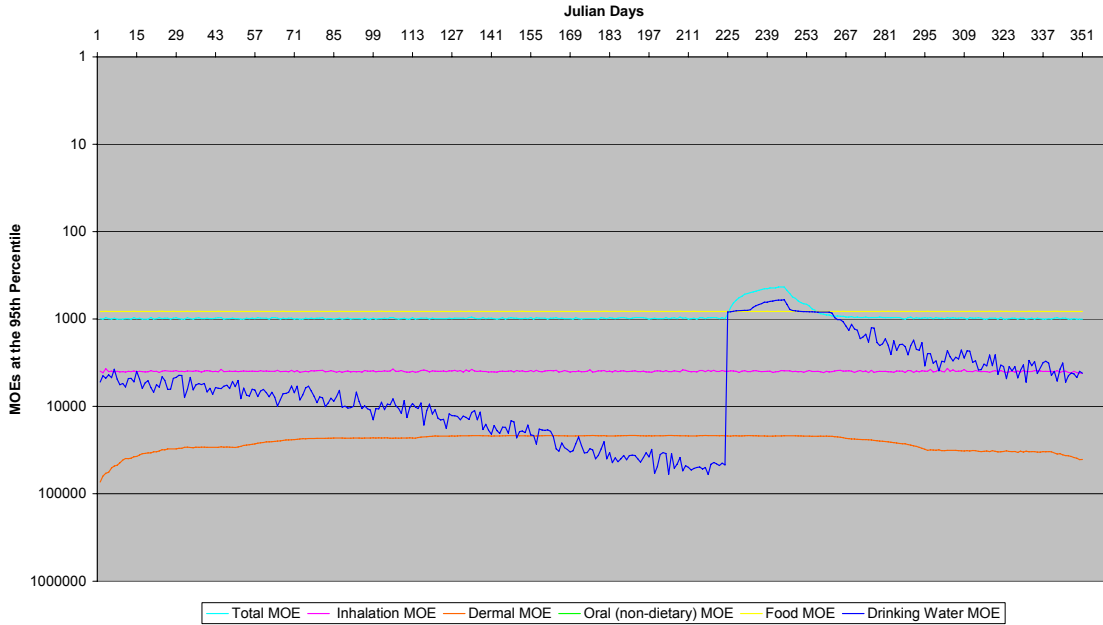
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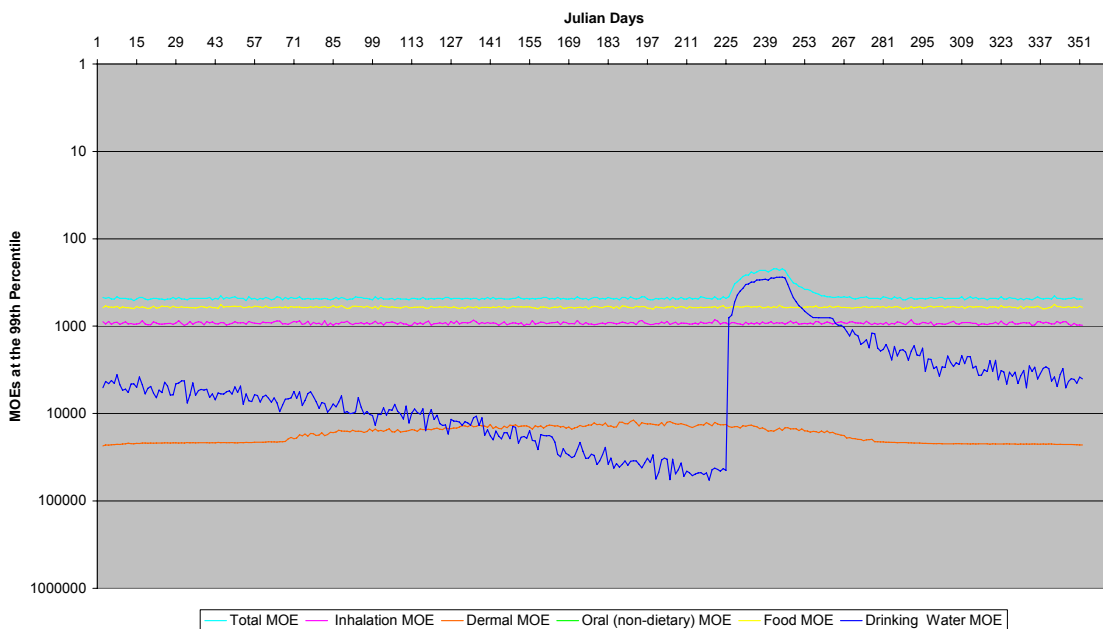
**Figure III.A 16**

OP CRA Adults 20-49 REGION A Surface Water (NO OXON) 6-5-06 DDVP 21 Days  
MOEs at the 95th Percentile



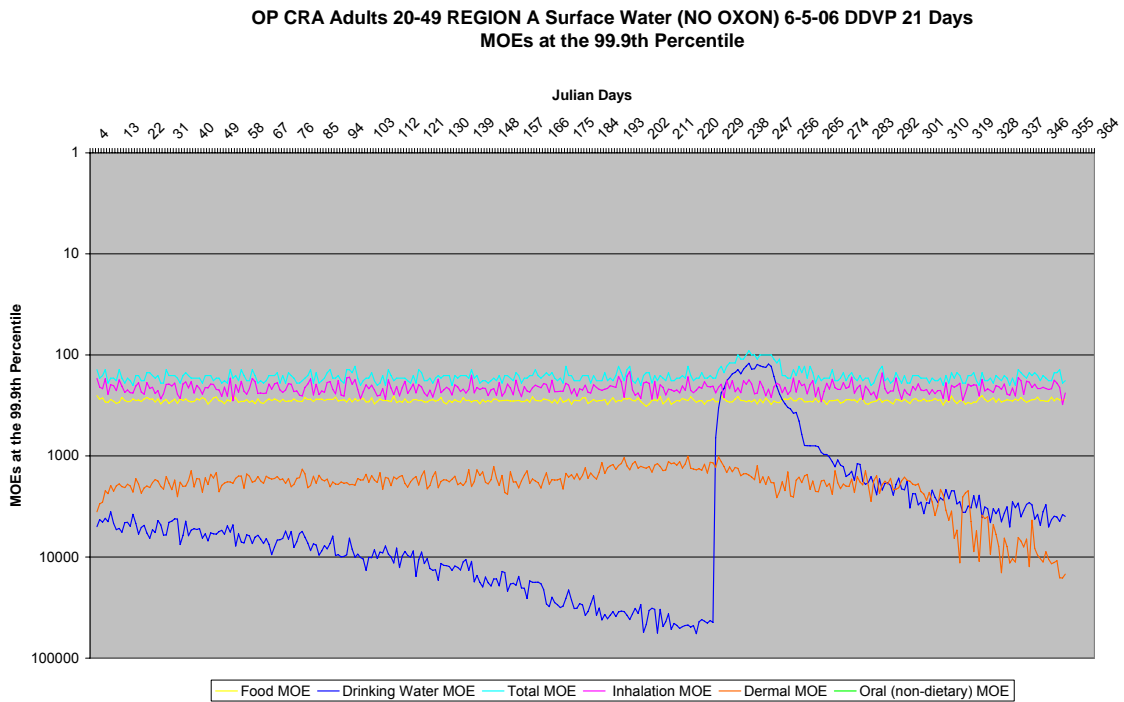
**Figure III.A 17**

OP CRA Adults 20-49 REGION A Surface Water (NO OXON) 6-5-06 DDVP 21 Days  
MOEs at the 99th Percentile

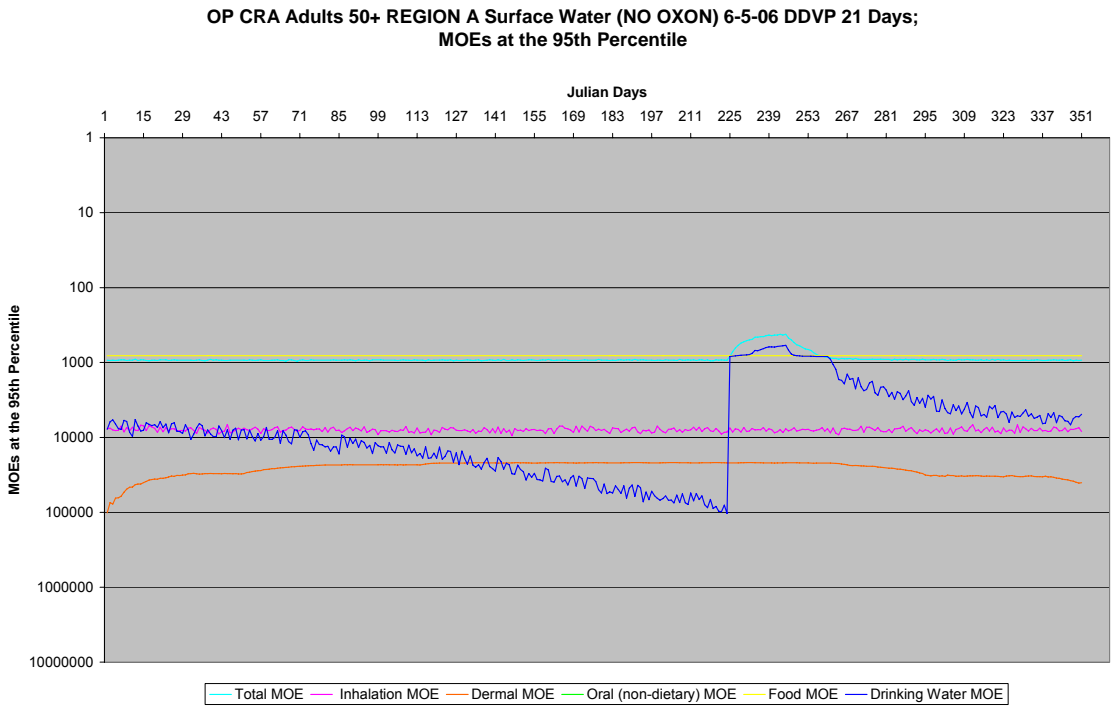




**Figure III.A 18**



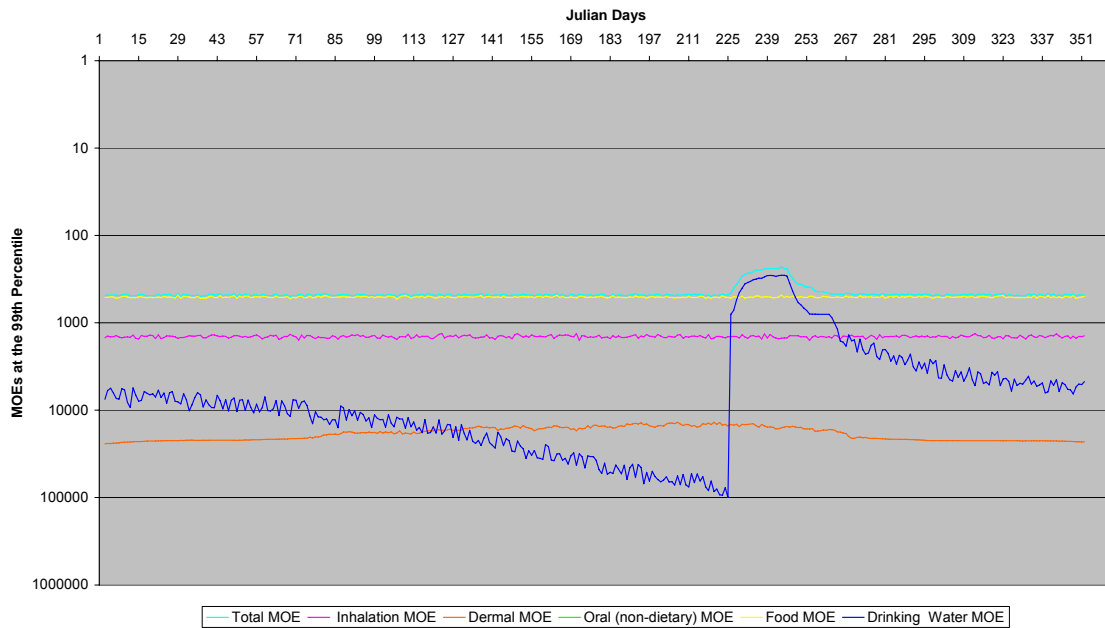
**Figure III.A 19**





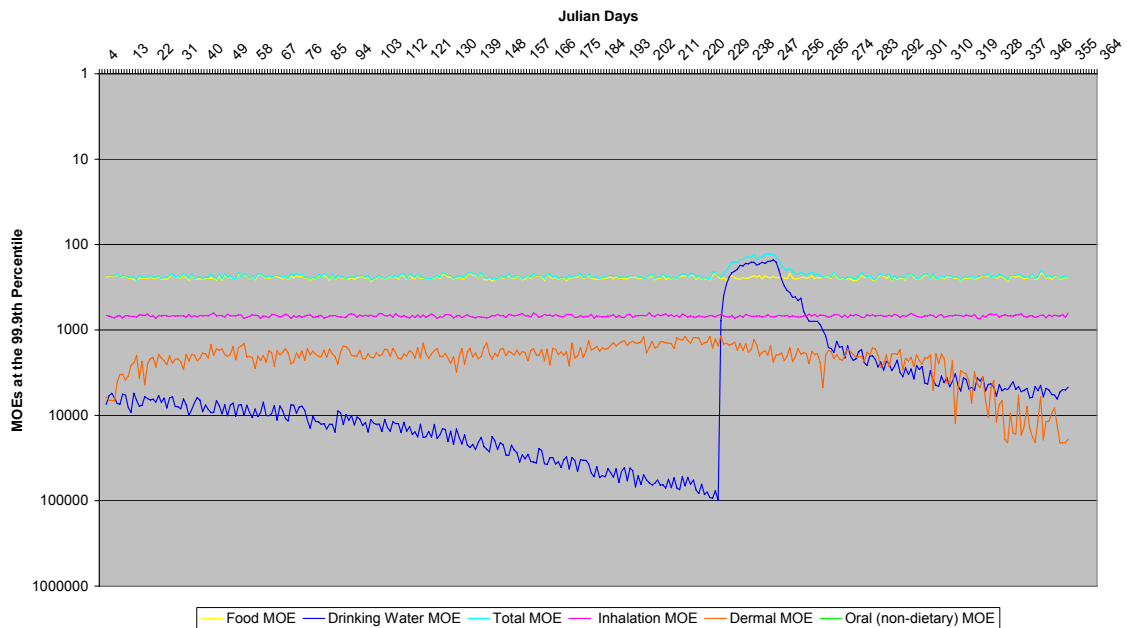
**Figure III.A 20**

**OP CRA Adults 50+ REGION A Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile**



**Figure III.A 21**

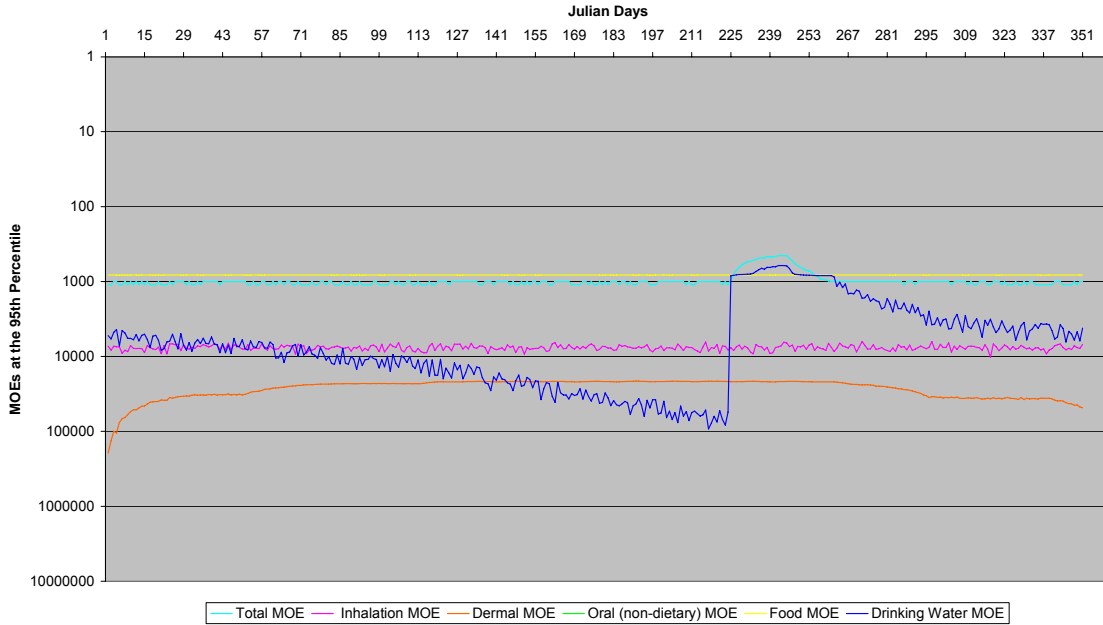
**OP CRA Adults 50+ REGION A Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile**





**Figure III.A 22**

**OP CRA Females 13-49 REGION A Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile**



**Figure III.A 23**

**OP CRA Females 13-49 REGION A Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile**

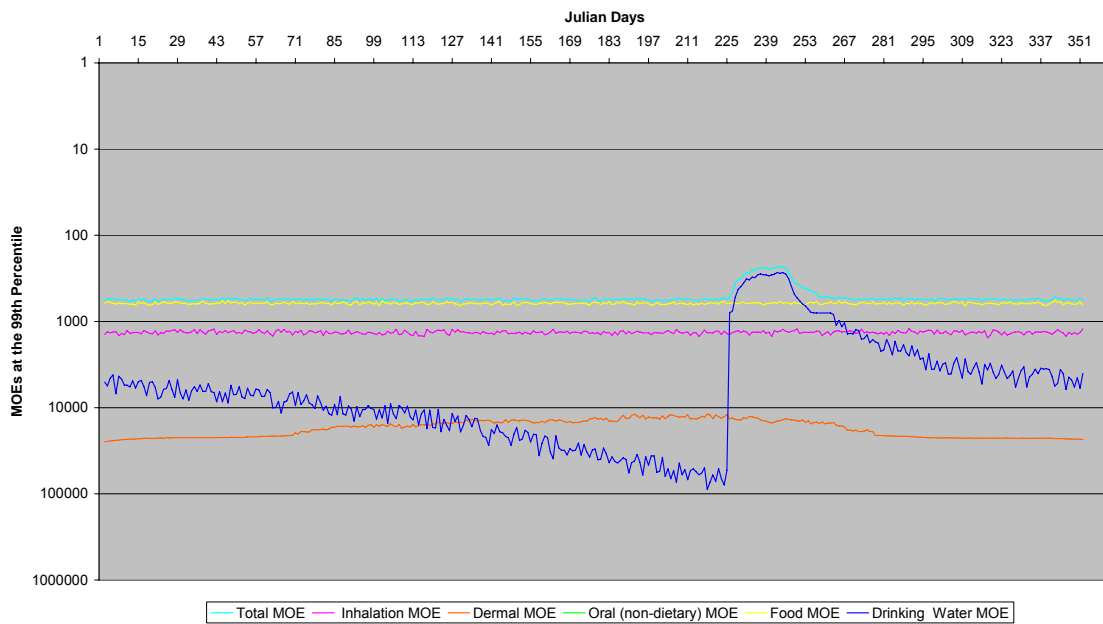
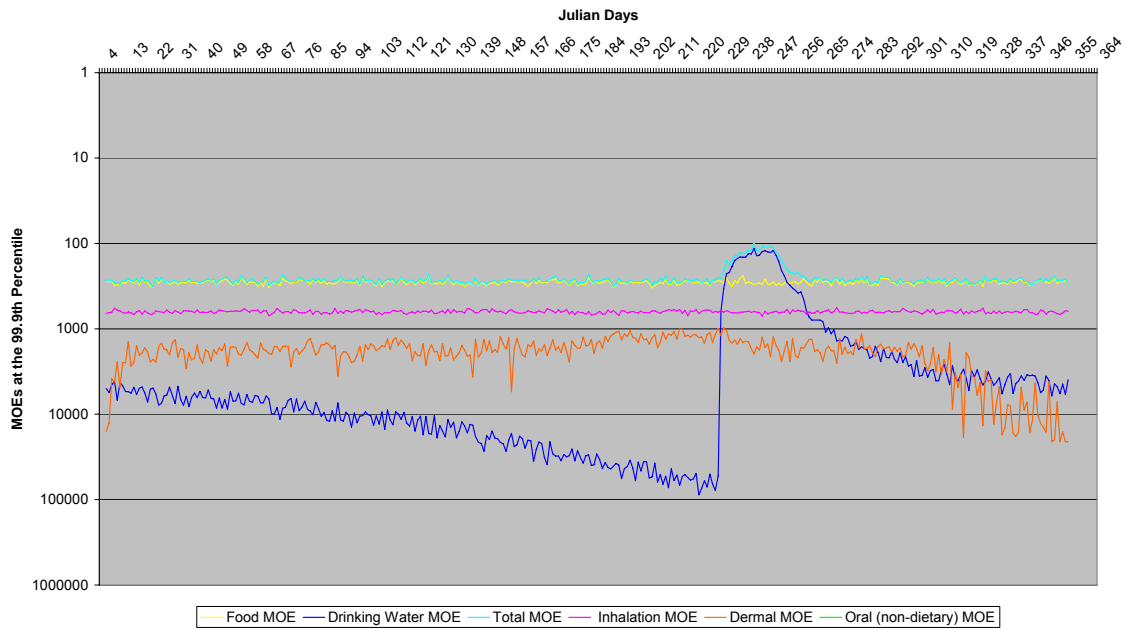




Figure III.A 24

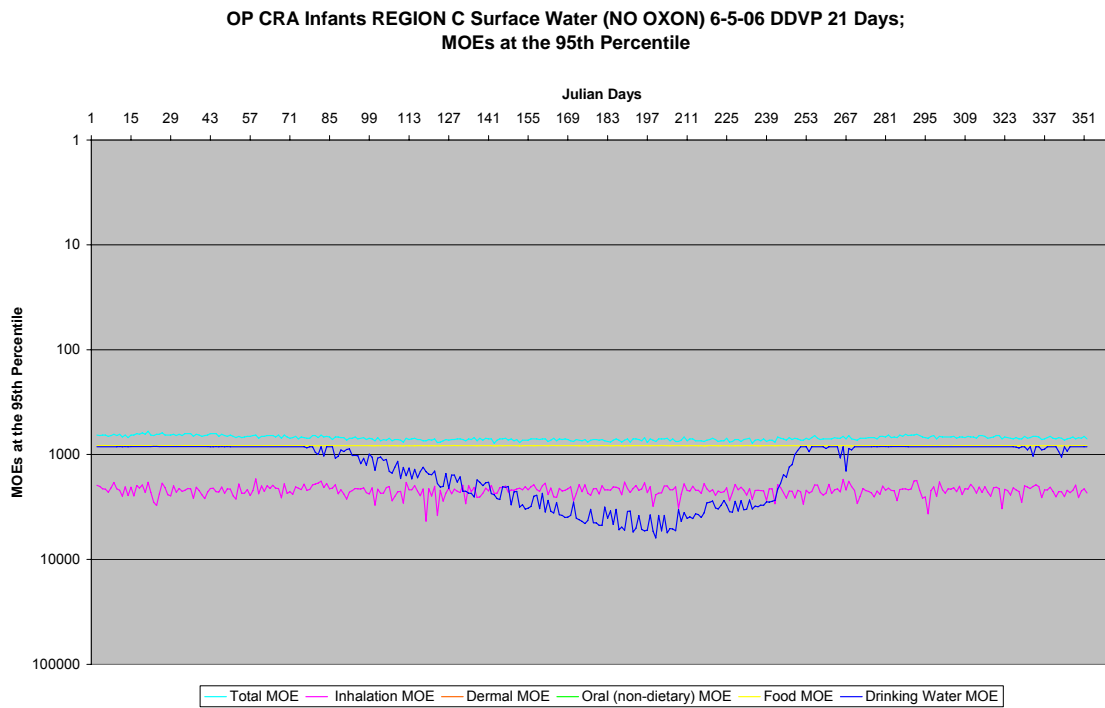
OP CRA Females 13-49 REGION A Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile





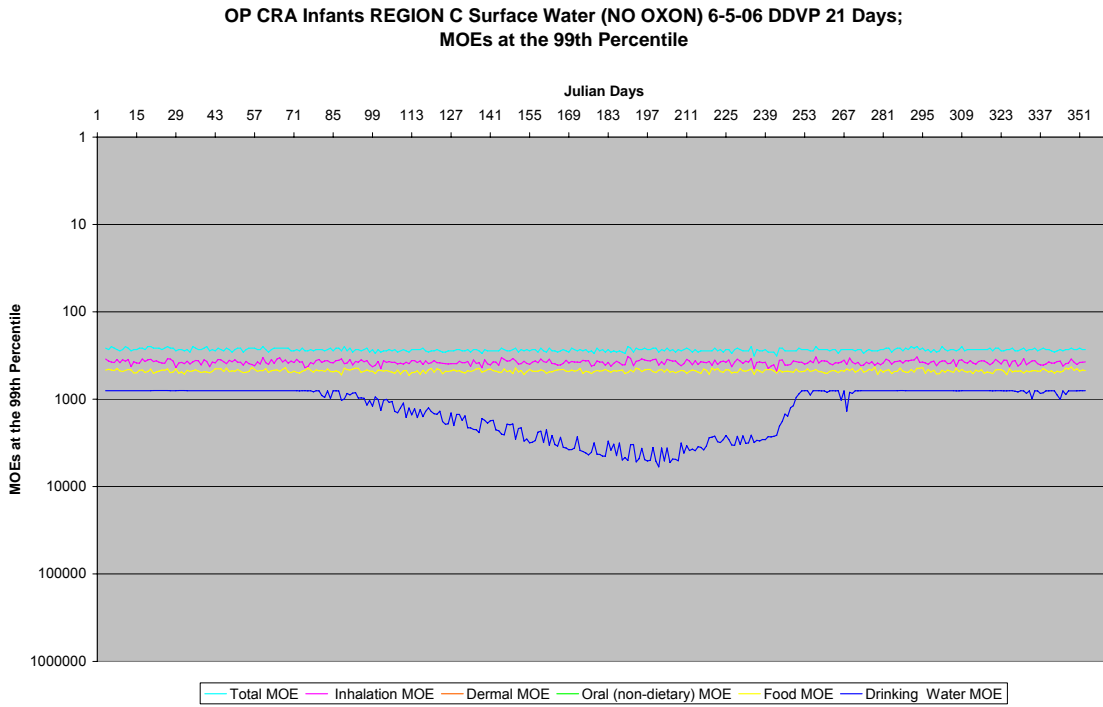
### B. Region C 1x

Figure III.B 1

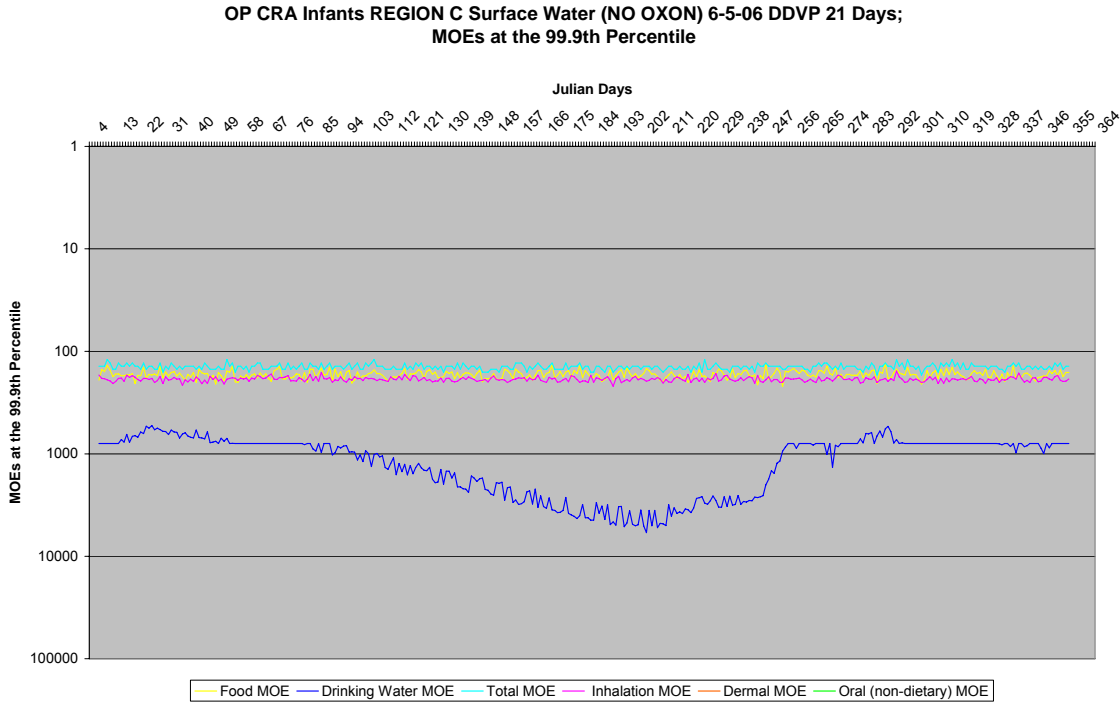




**Figure III.B 2**



**Figure III.B 3**

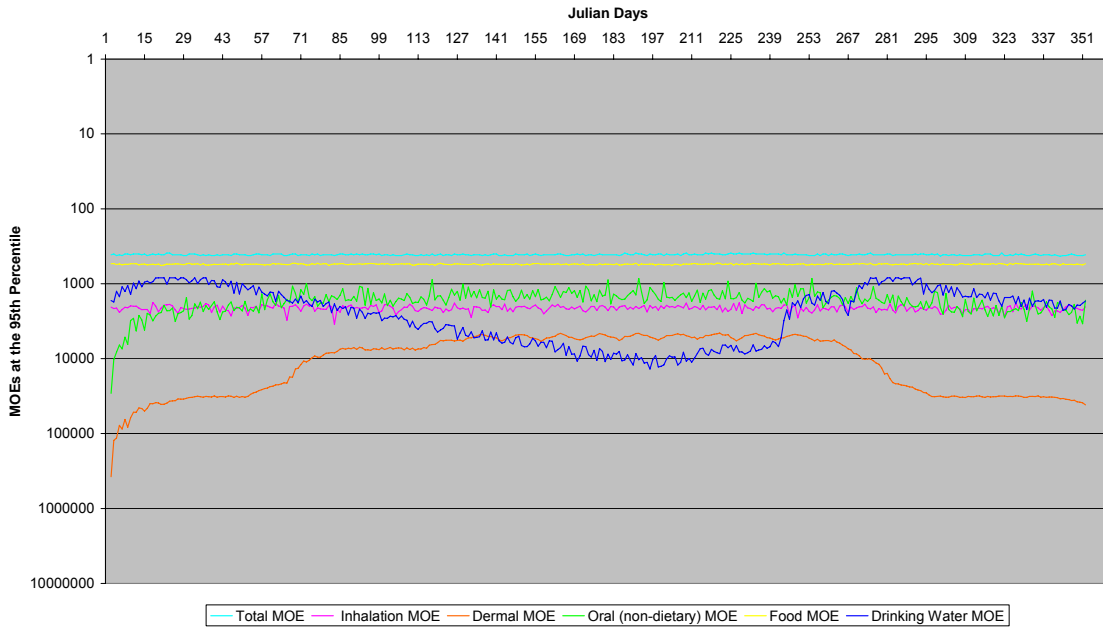






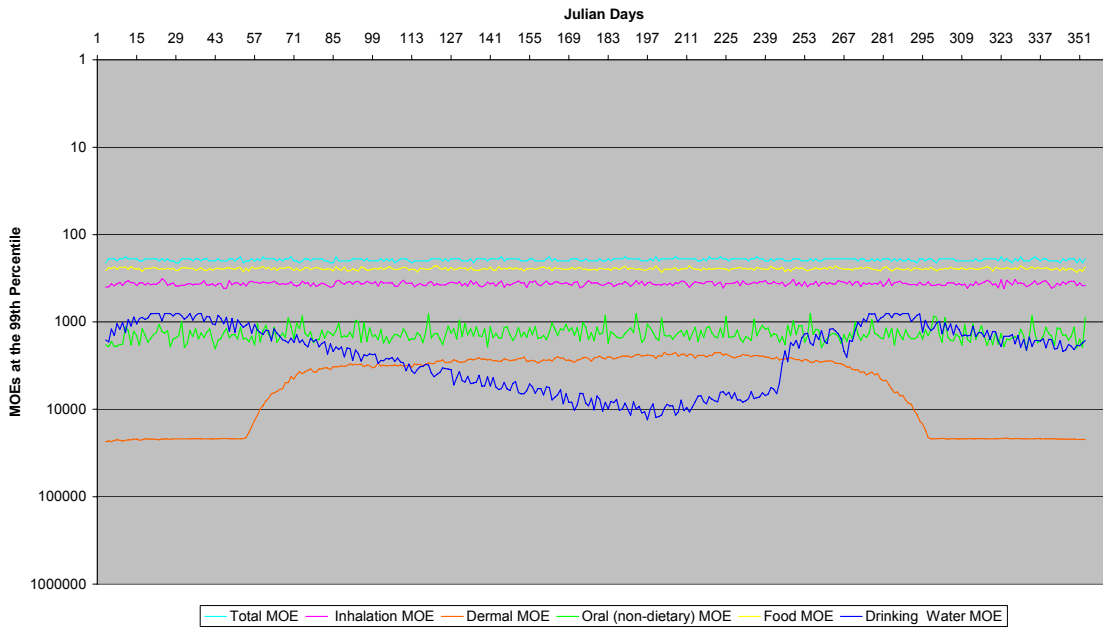
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**OP CRA Children 1-2 REGION C Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile**



**Figure III.B 5**

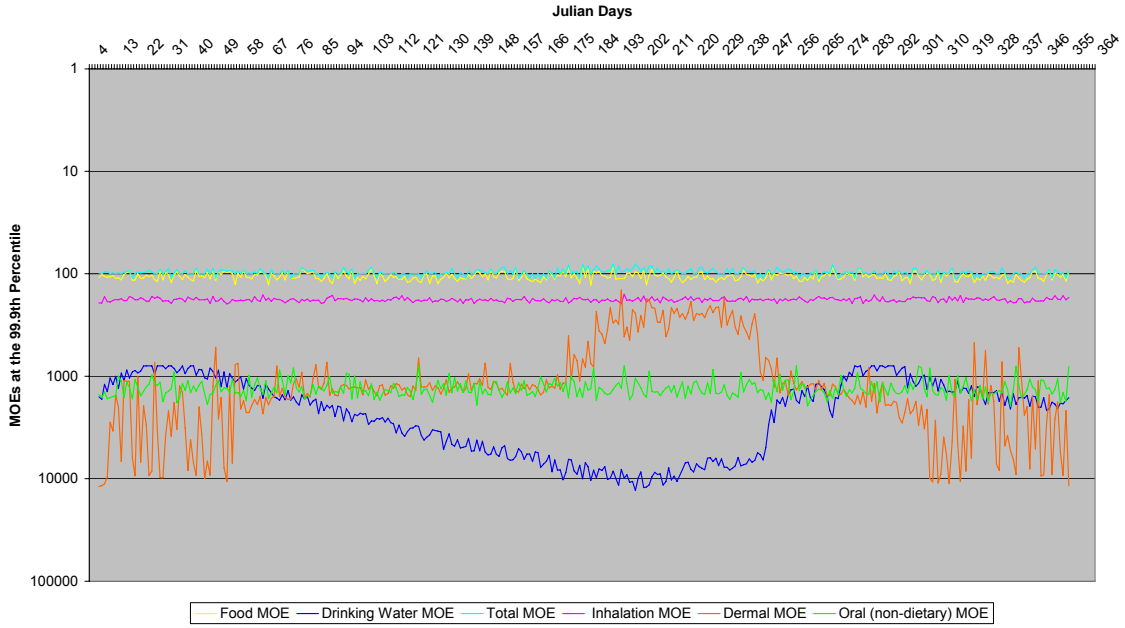
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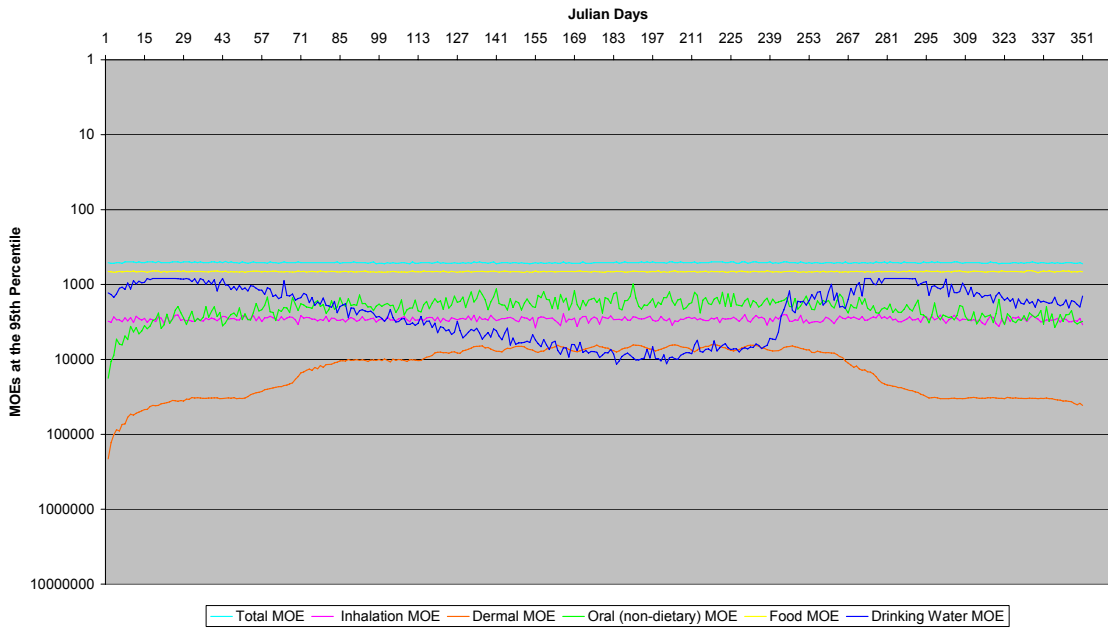
**Figure III.B 6**

**OP CRA Children 1-2 REGION C Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile**



**Figure III.B 7**

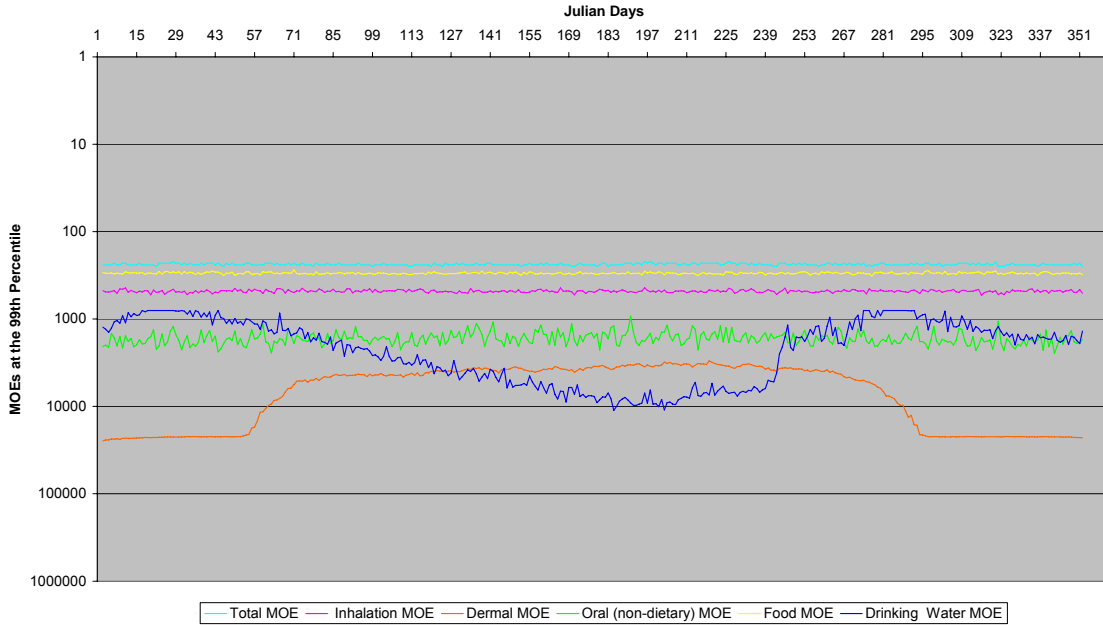
**OP CRA Children 3-5 REGION C Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile**





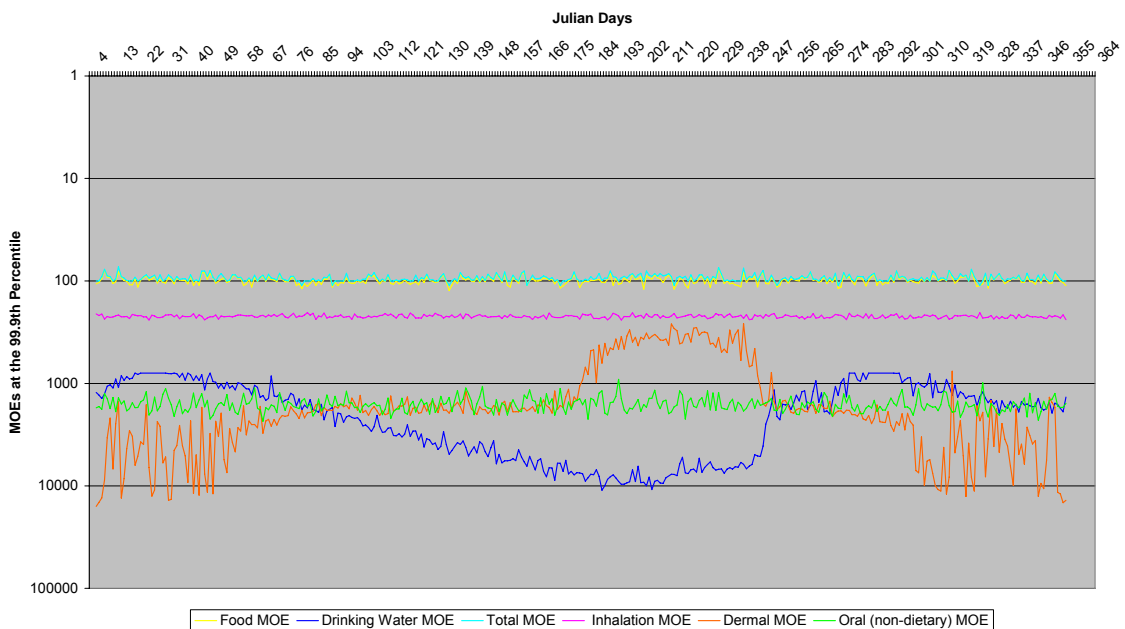
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OP CRA Children 3-5 REGION C Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile



**Figure III.B 9**

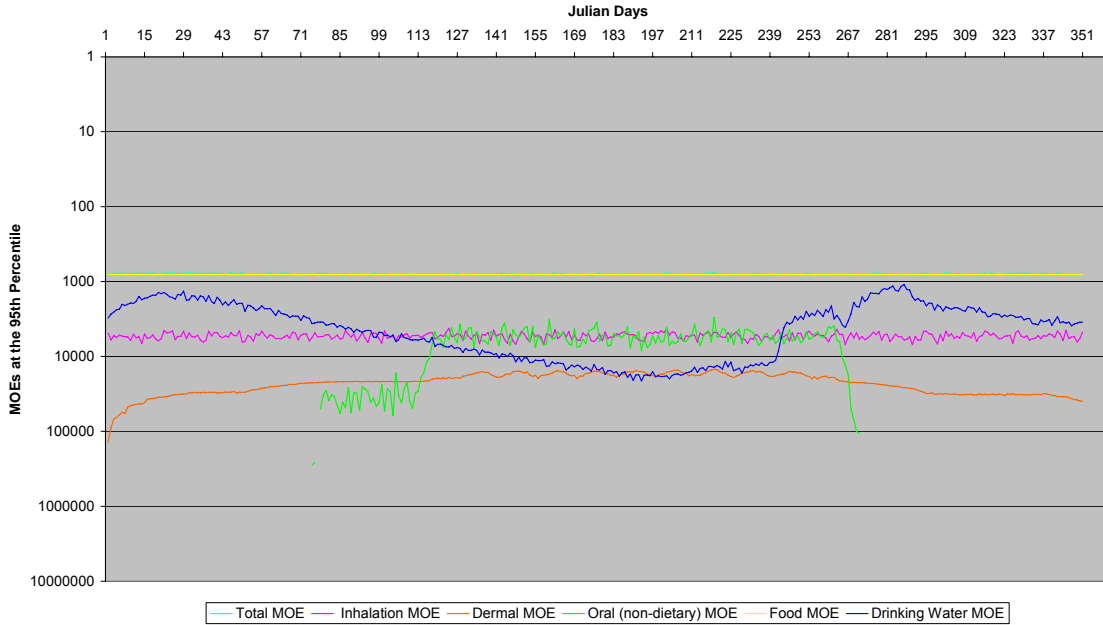
OP CRA Children 3-5 REGION C Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile





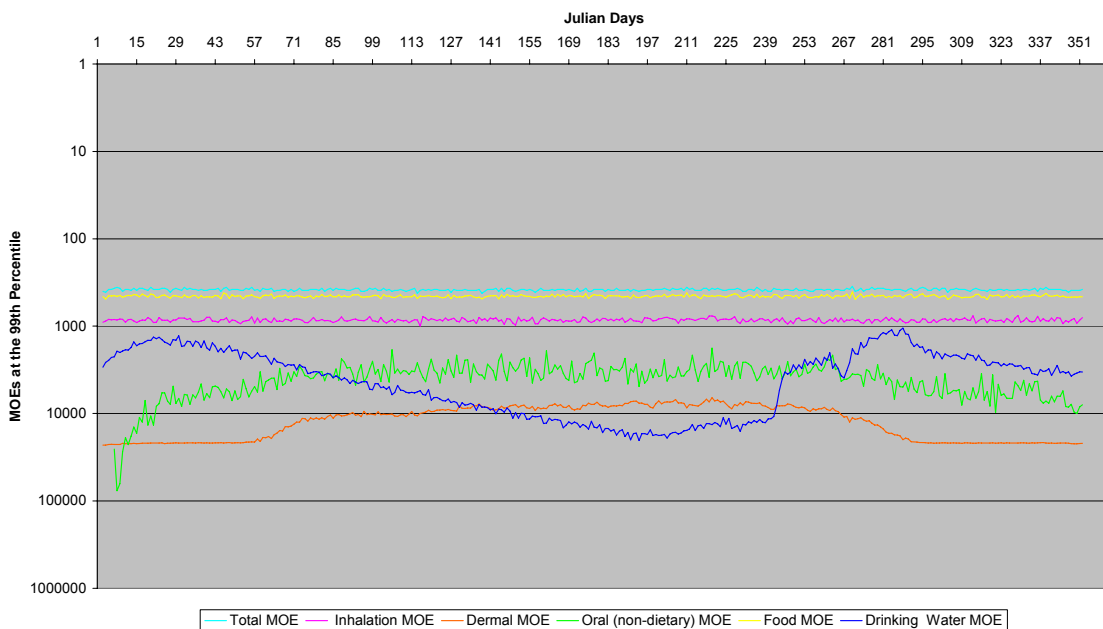
**Figure III.B 10**

OP CRA Children 6-12 REGION C Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile



**Figure III.B 11**

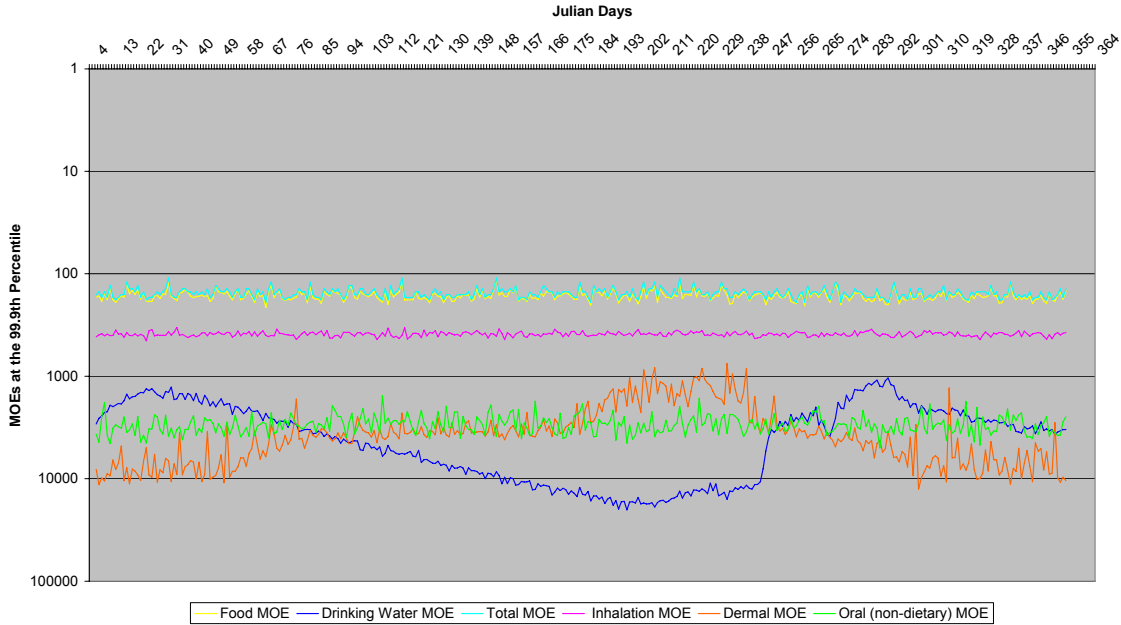
OP CRA Children 6-12 REGION C Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile





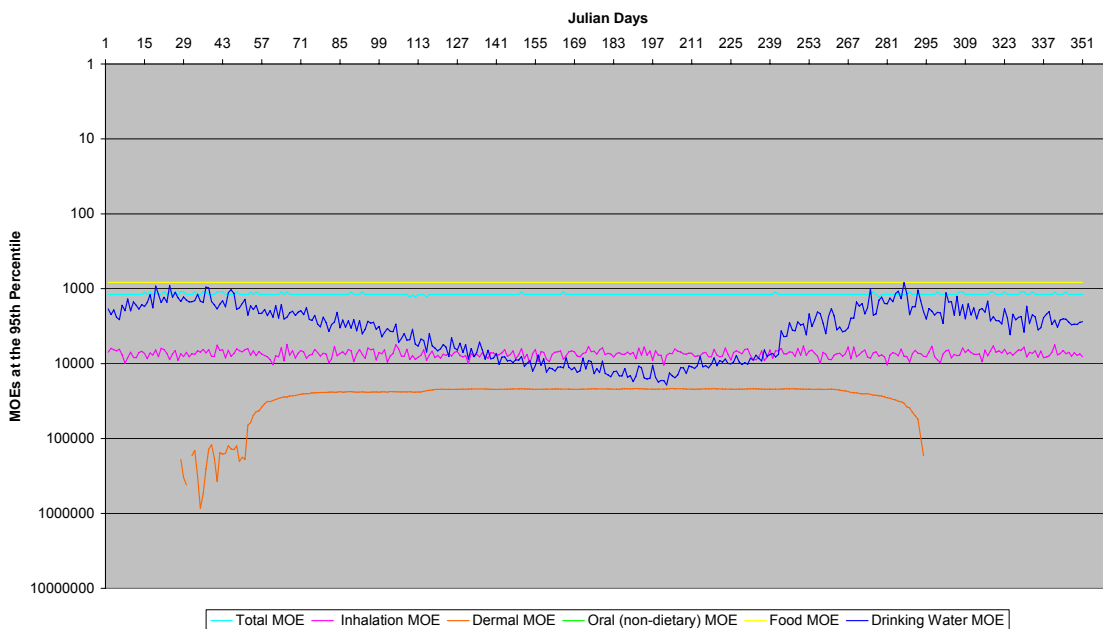
**Figure III.B 12**

**OP CRA Children 6-12 REGION C Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile**



**Figure III.B 13**

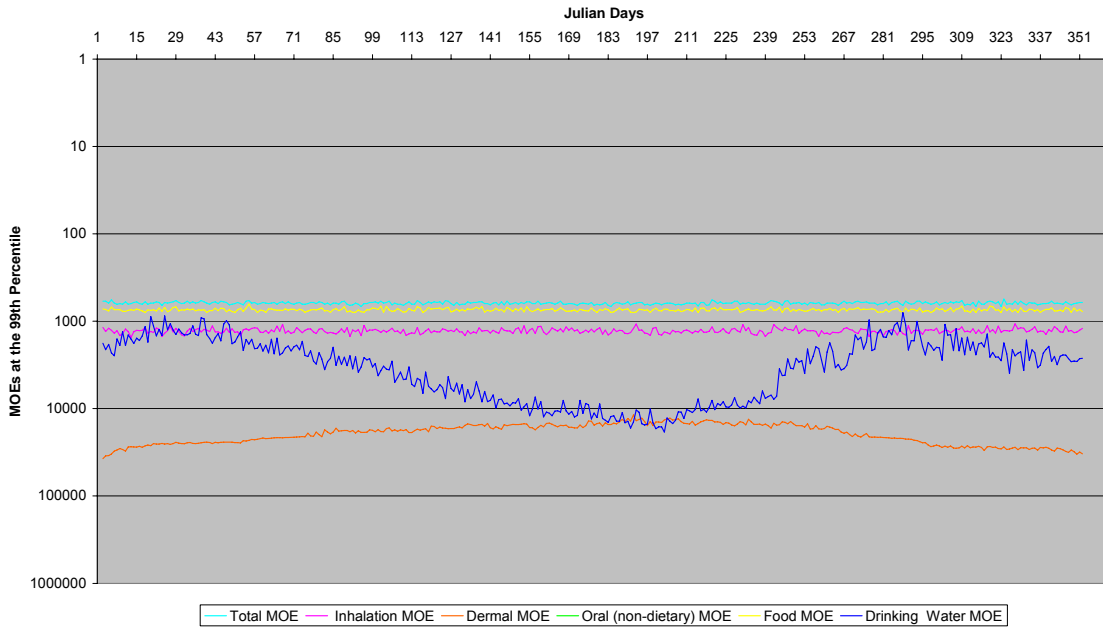
**OP CRA Youths 13-19 REGION C Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile**





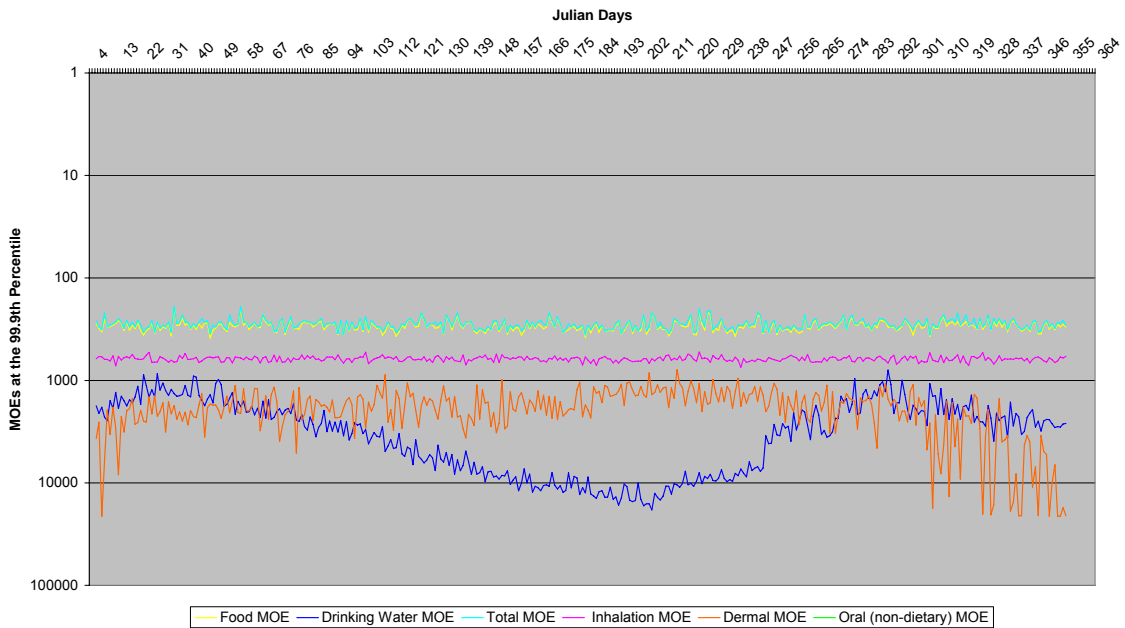
**Figure III.B 14**

**OP CRA Youths 13-19 REGION C Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile**



**Figure III.B 15**

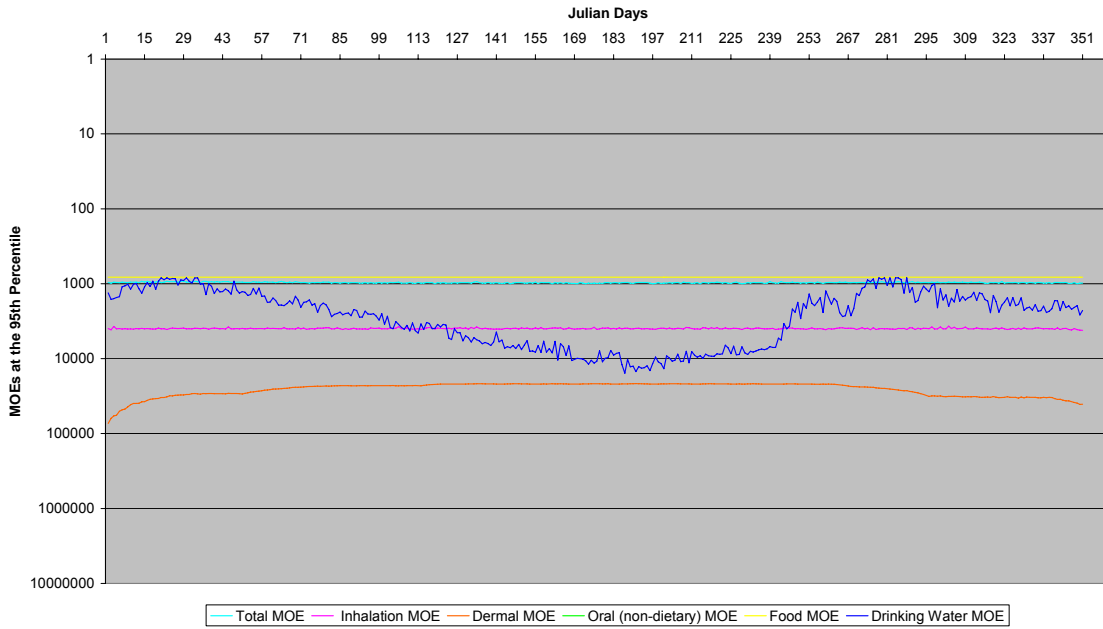
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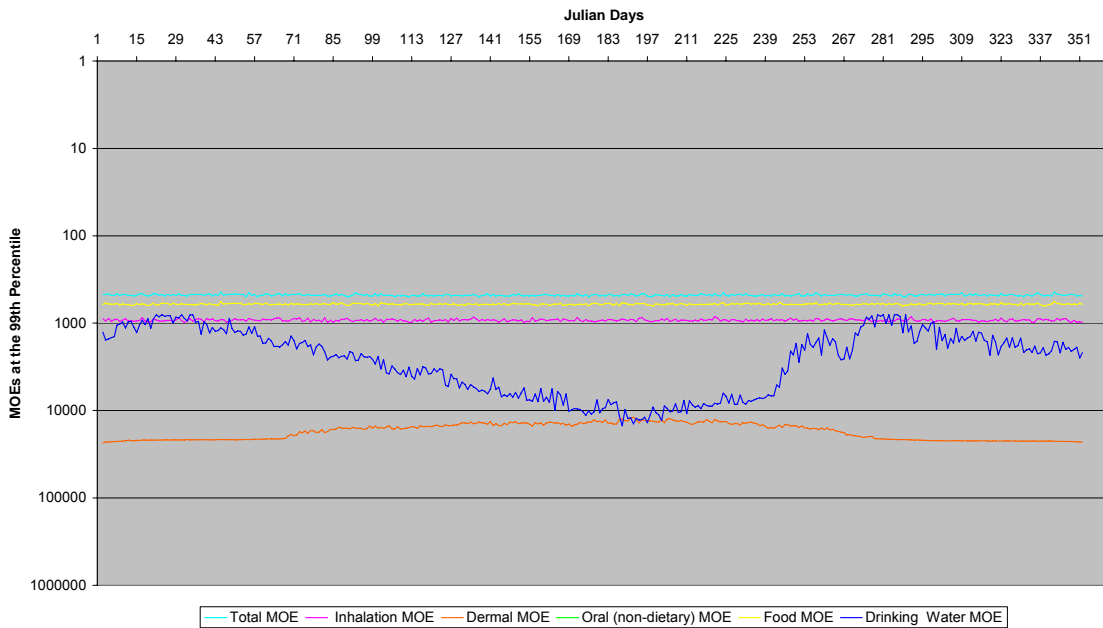
**Figure III.B 16**

OP CRA Adults 20-49 REGION C Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile



**Figure III.B 17**

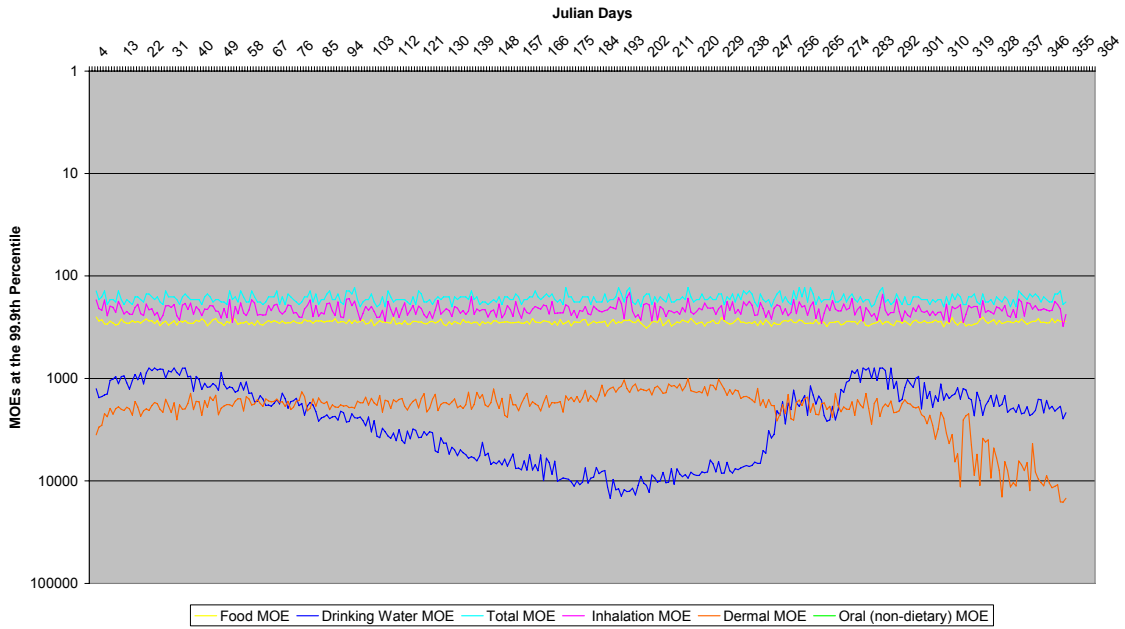
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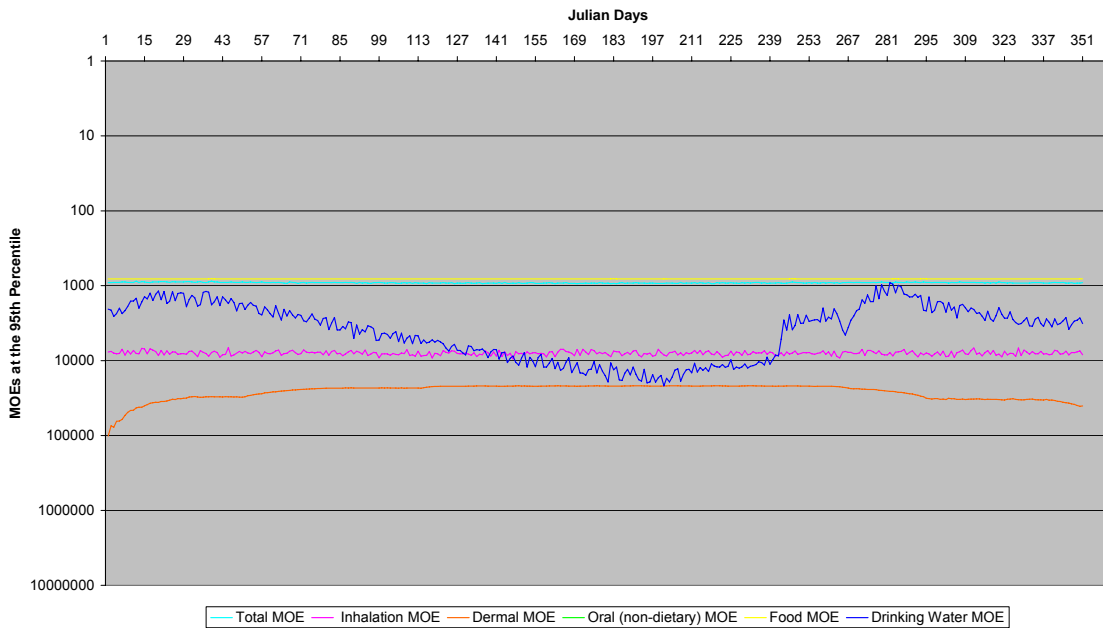
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**OP CRA Adults 20-49 REGION C Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile**



**Figure III.B 19**

**OP CRA Adults 50+ REGION C Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile**

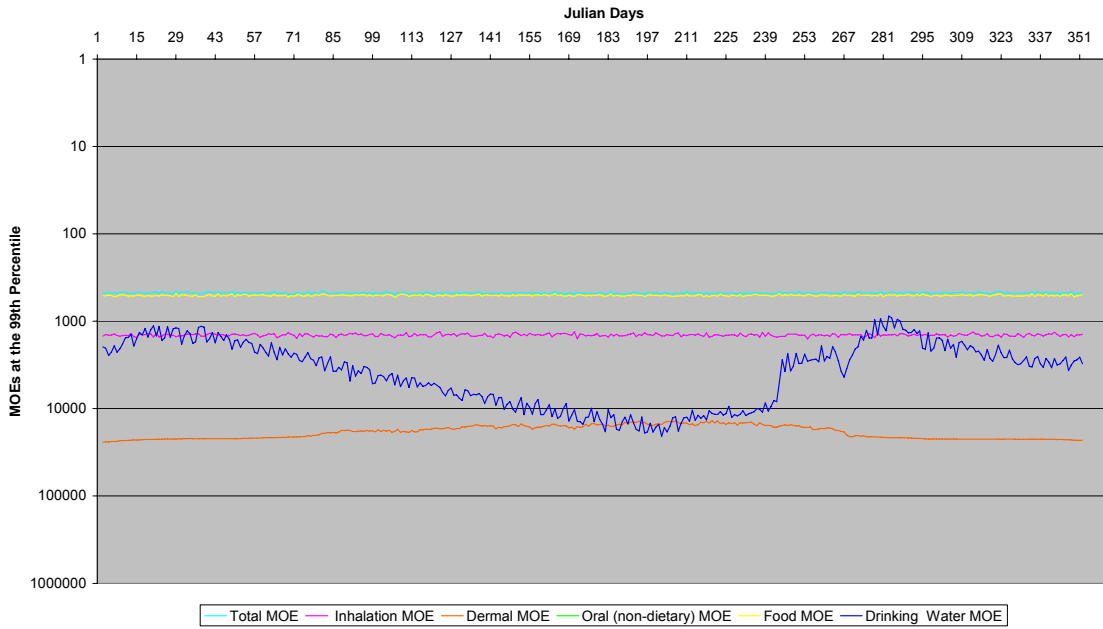






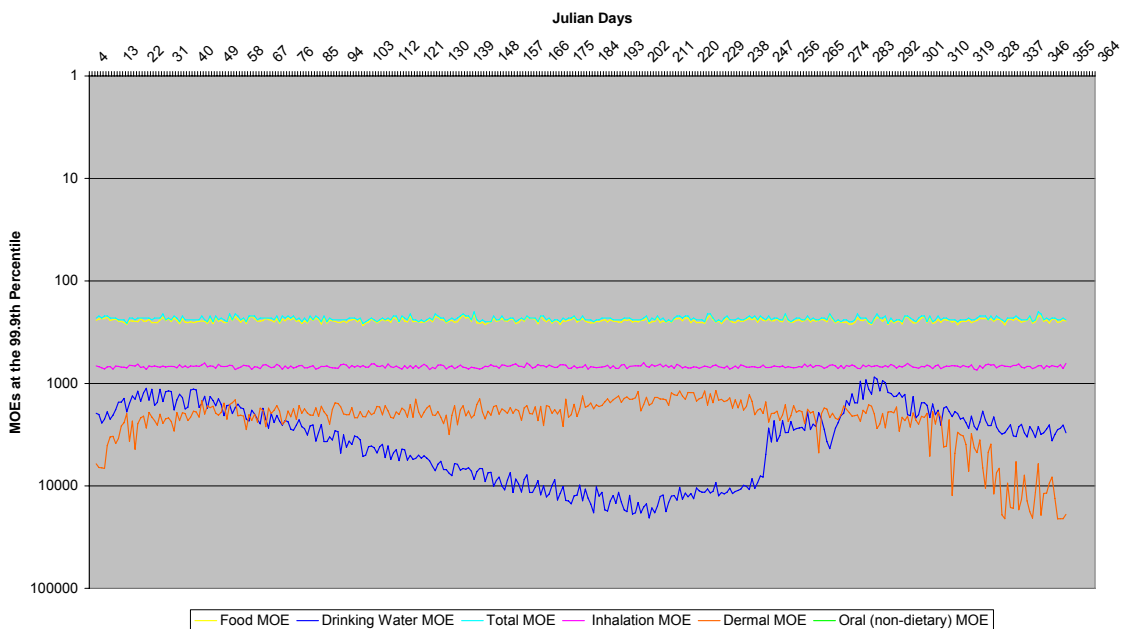
**Figure III.B 20**

OP CRA Adults 50+ REGION C Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile



**Figure III.B 21**

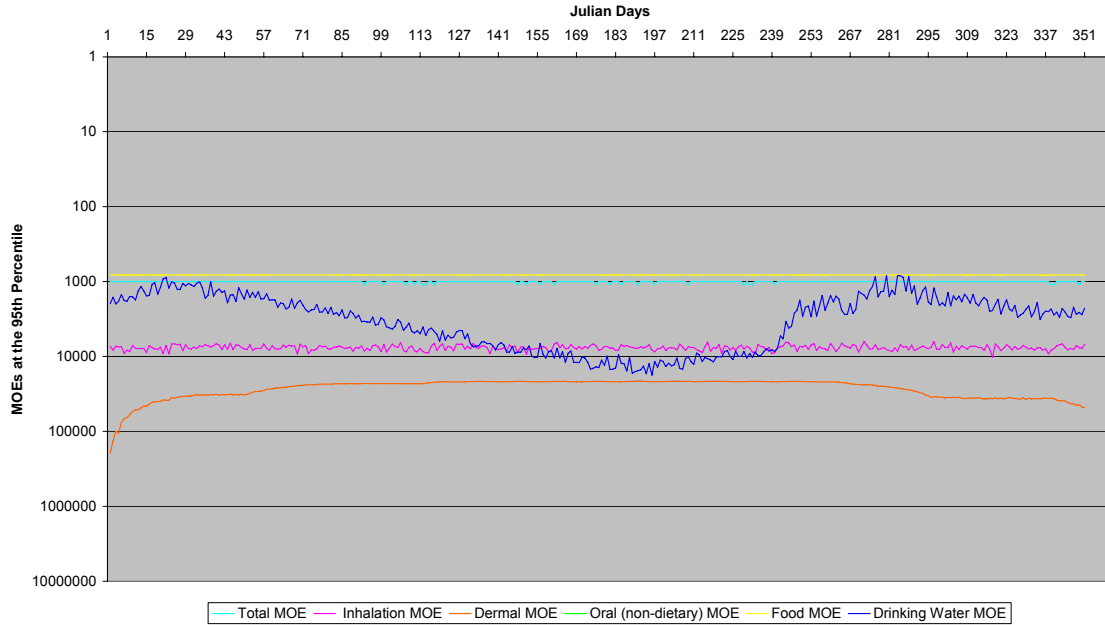
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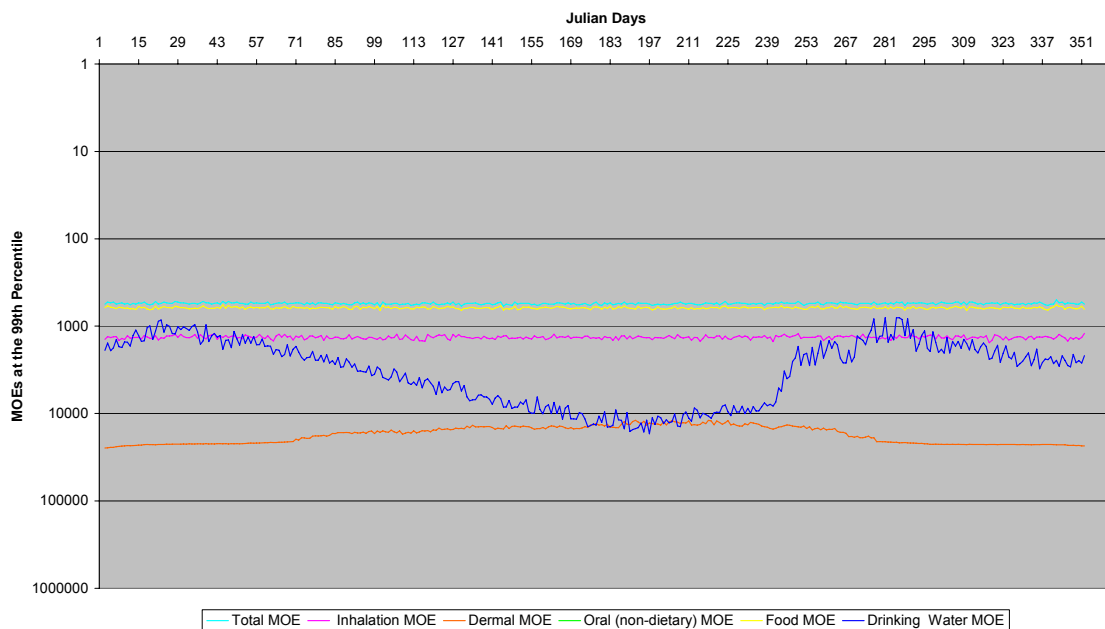
**Figure III.B 22**

OP CRA Females 13-49 REGION C Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile



**Figure III.B 23**

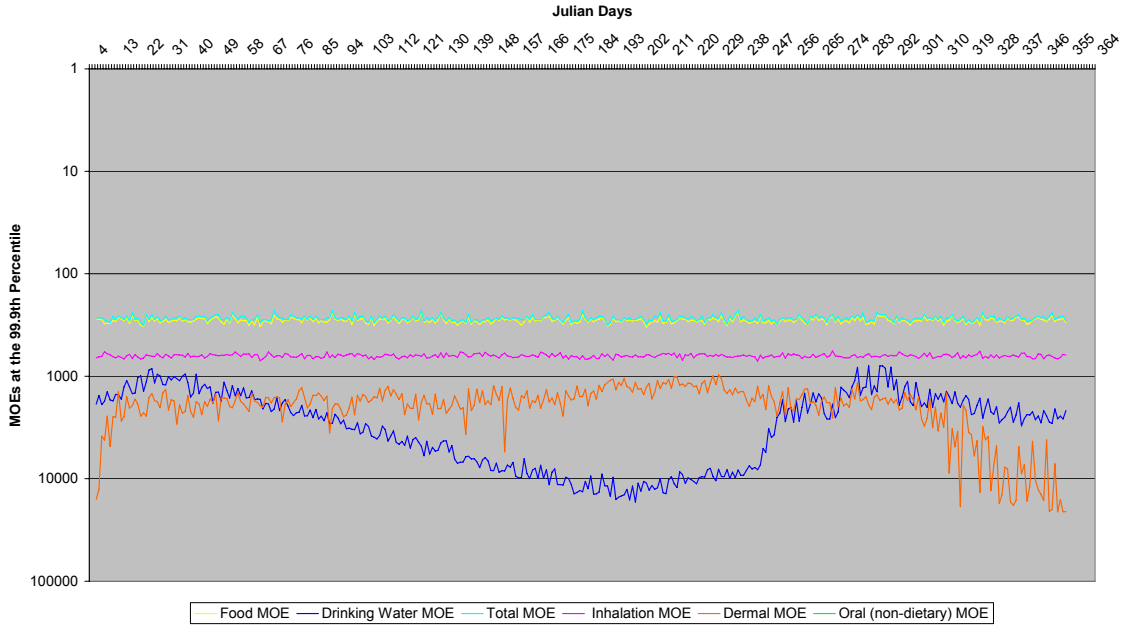
OP CRA Females 13-49 REGION C Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile





**Figure III.B 24**

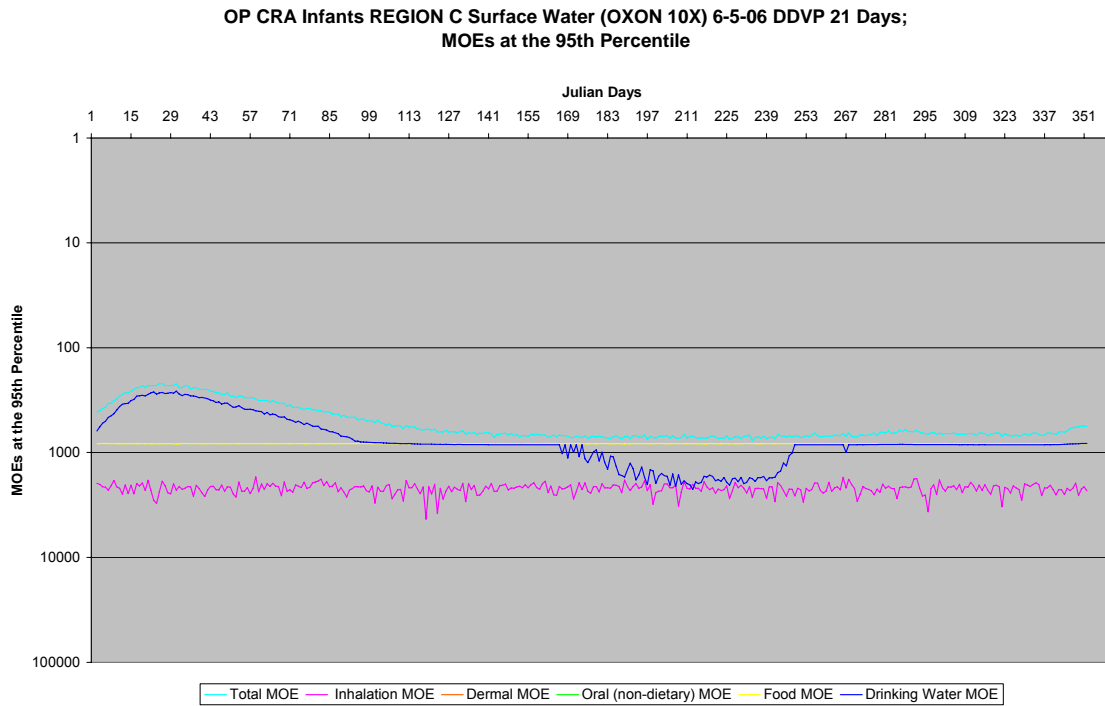
**OP CRA Females 13-49 REGION C Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile**





### C. Region C 10x

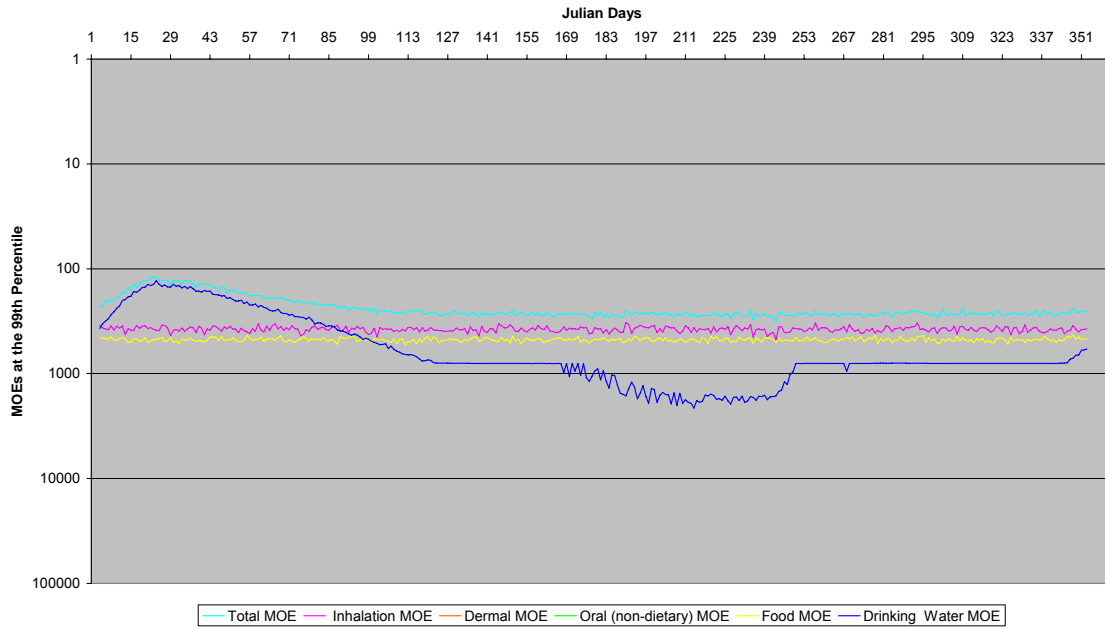
Figure III.C 1





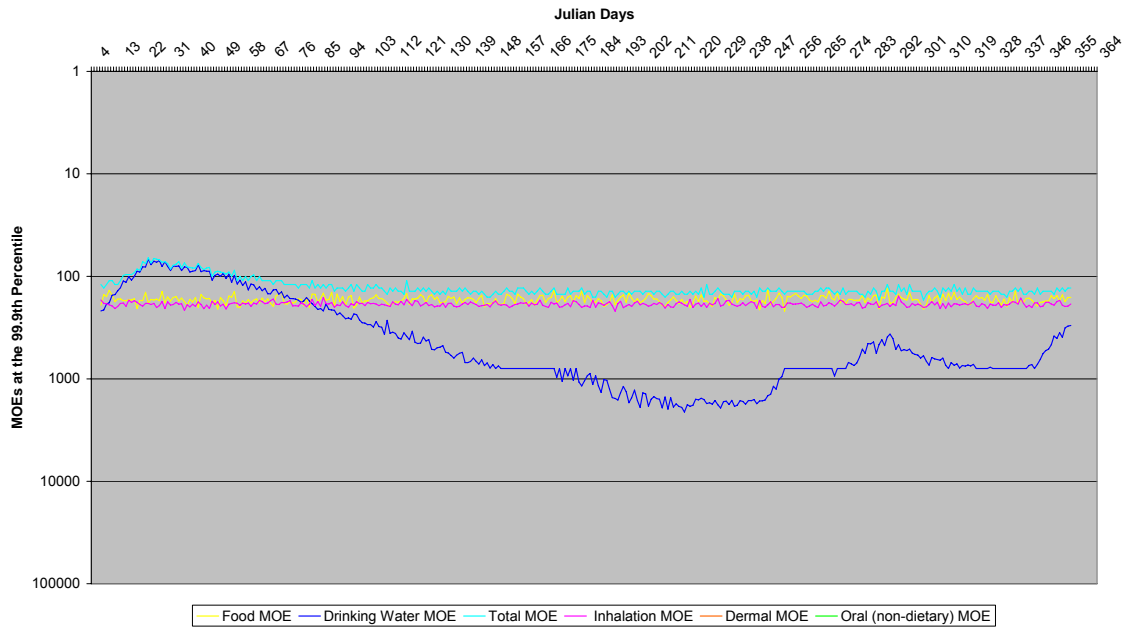
**Figure III.C 2**

OP CRA Infants REGION C Surface Water (OXON 10X) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile



**Figure III.C 3**

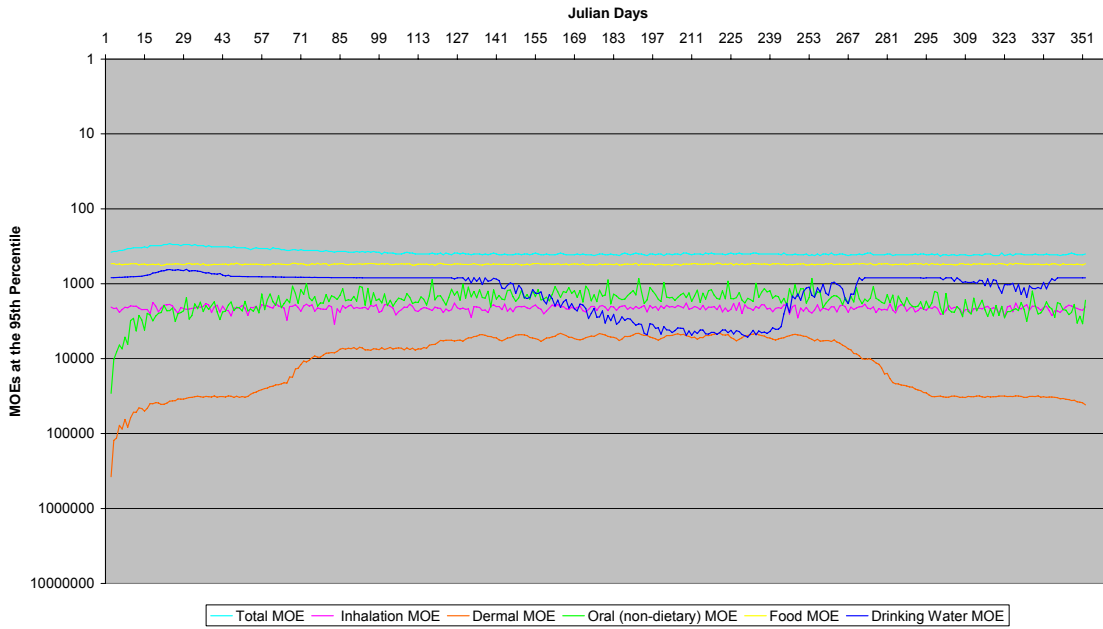
OP CRA Infants REGION C Surface Water (OXON 10X) 6-5-06 DDVP 21 Days;  
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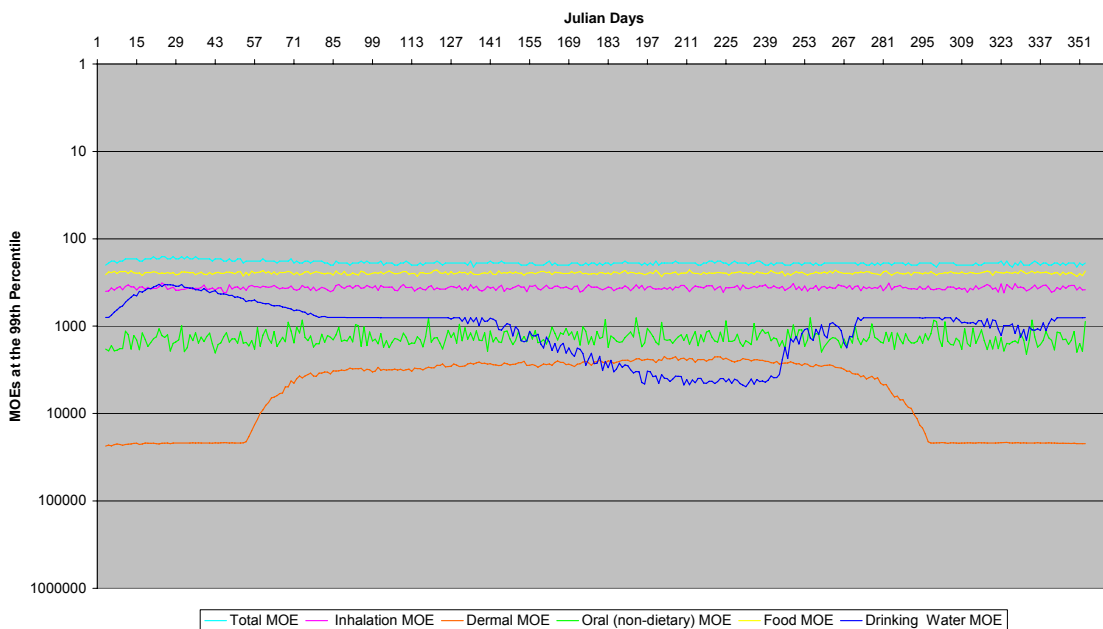
**Figure III.C 4**

OP CRA Children 1-2 REGION C Surface Water (OXON 10X) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile



**Figure III.C 5**

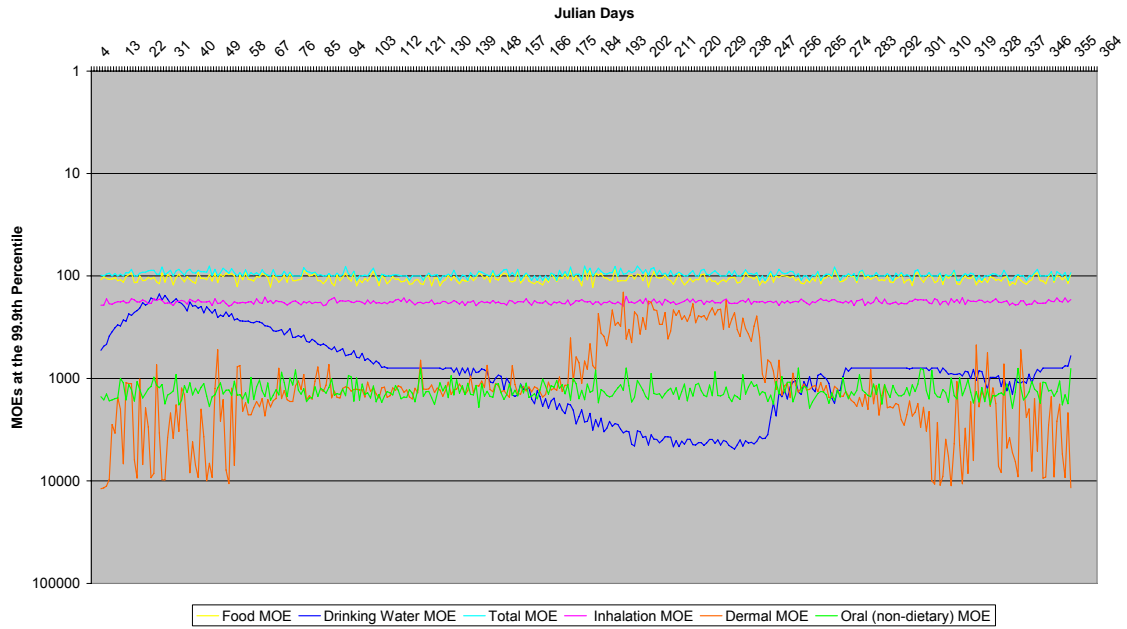
OP CRA Children 1-2 REGION C Surface Water (OXON 10X) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile





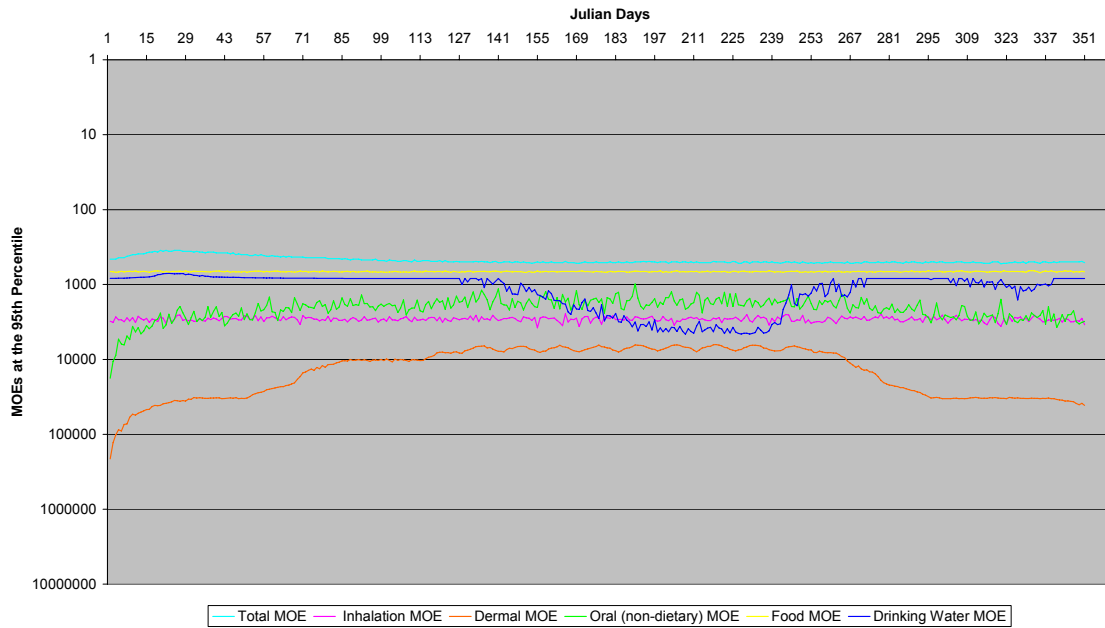
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**OP CRA Children 1-2 REGION C Surface Water (OXON 10X) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile**



**Figure III.C 7**

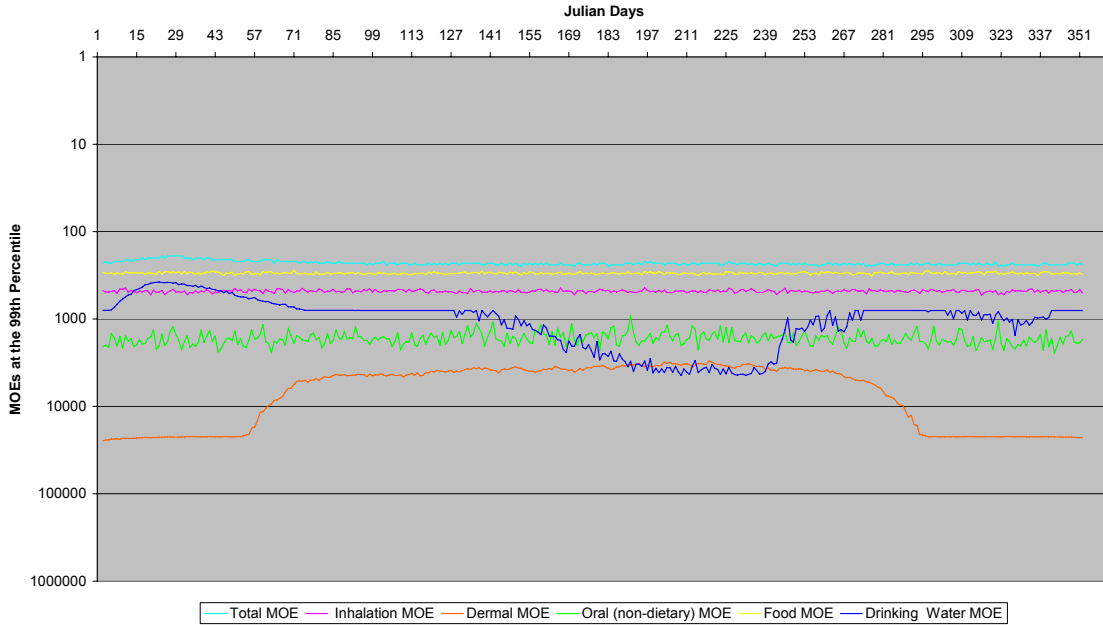
**OP CRA Children 3-5 REGION C Surface Water (OXON 10X) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile**





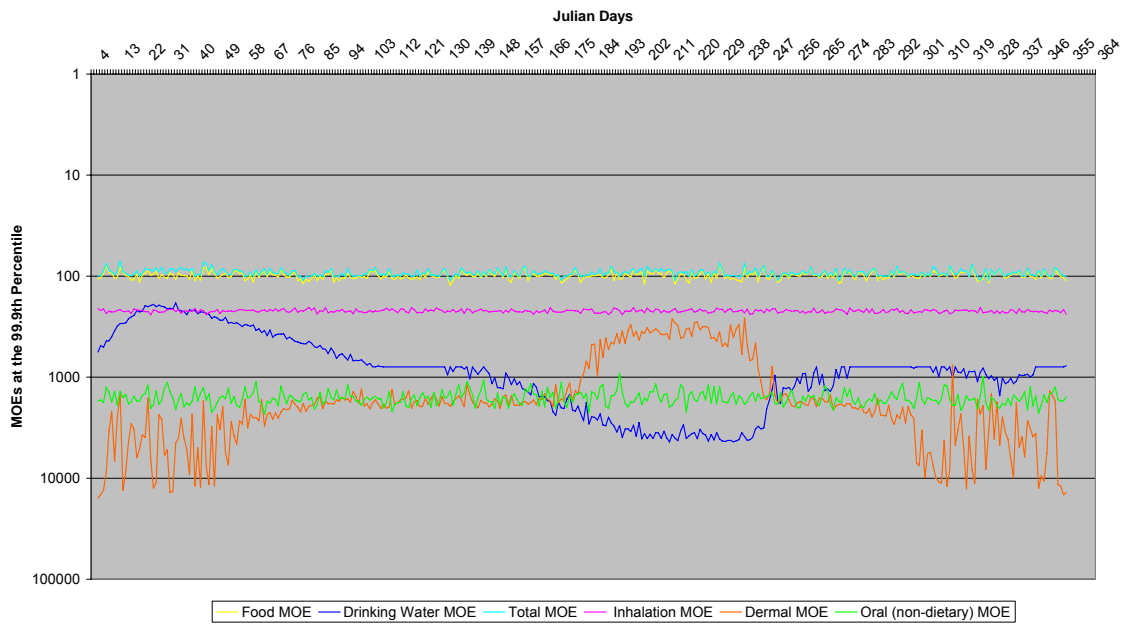
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**OP CRA Children 3-5 REGION C Surface Water (OXON 10X) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile**



**Figure III.C 9**

**OP CRA Children 3-5 REGION C Surface Water (OXON 10X) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile**

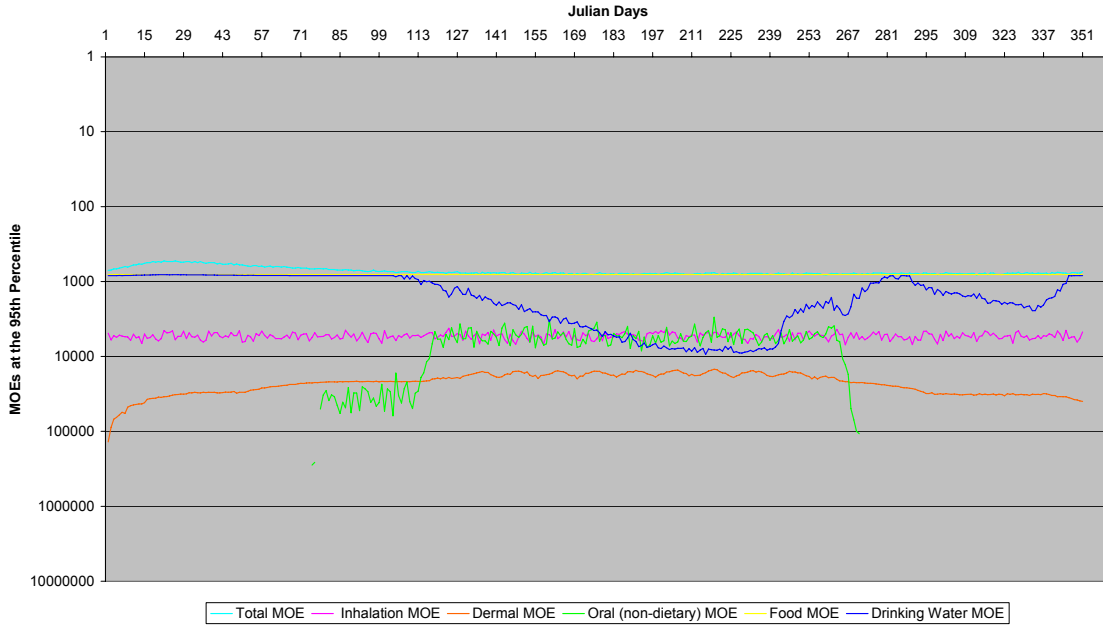






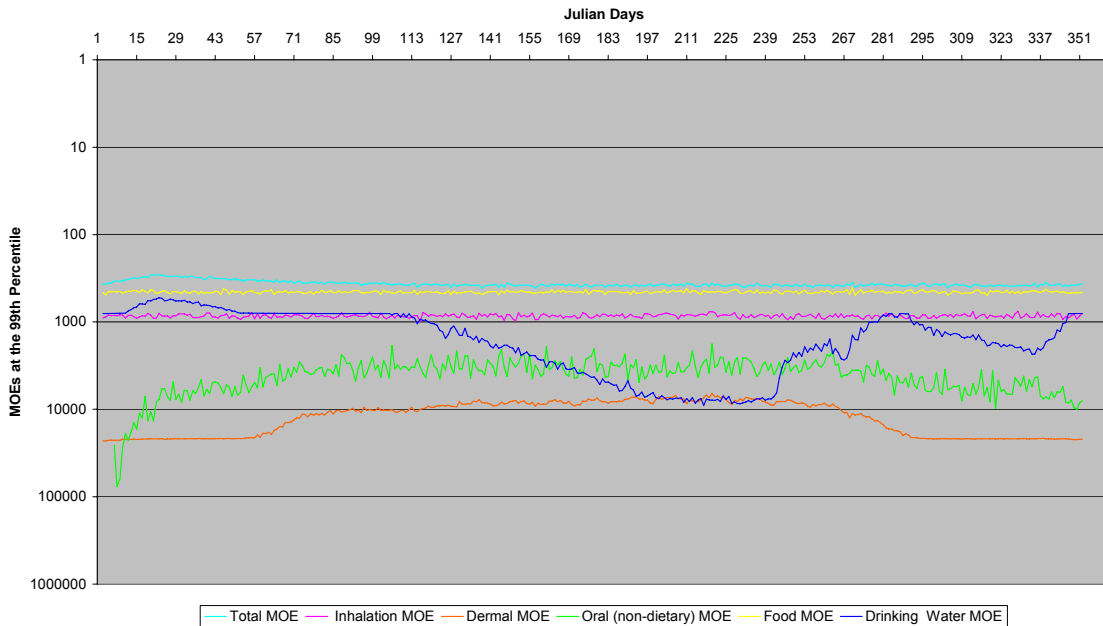
**Figure III.C 10**

OP CRA Children 6-12 REGION C Surface Water (OXON 10X) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile



**Figure III.C 11**

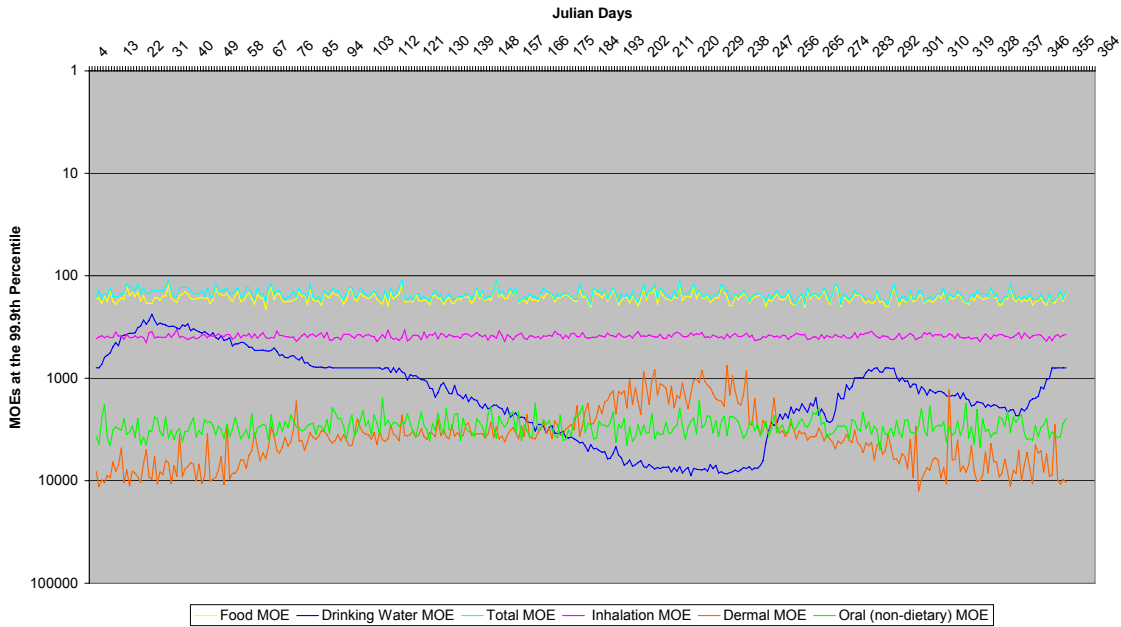
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MOEs at the 99th Percentile





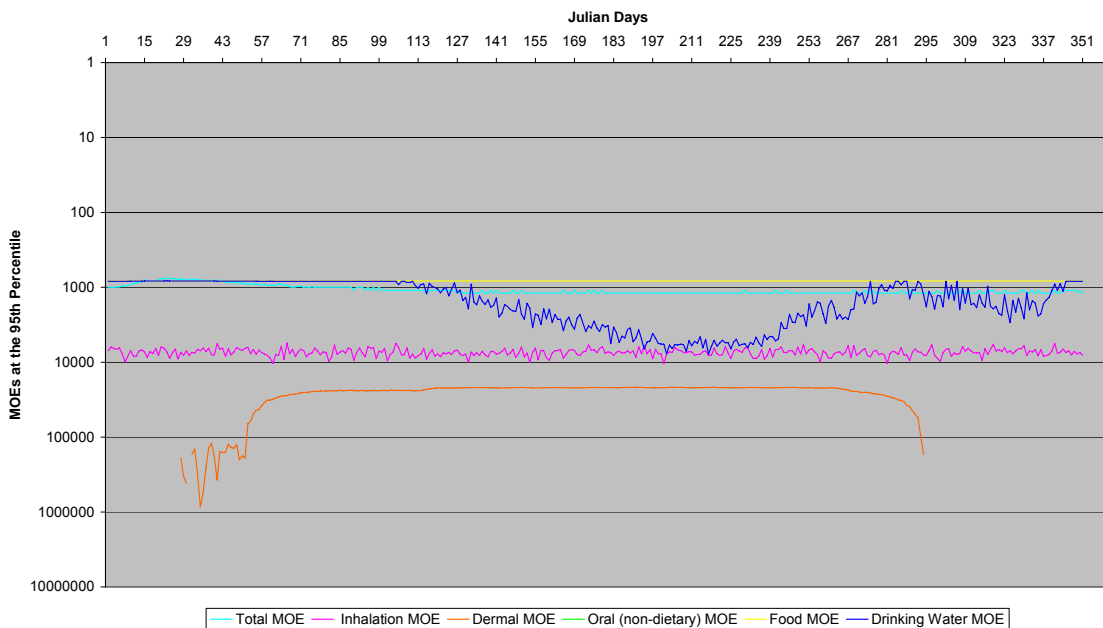
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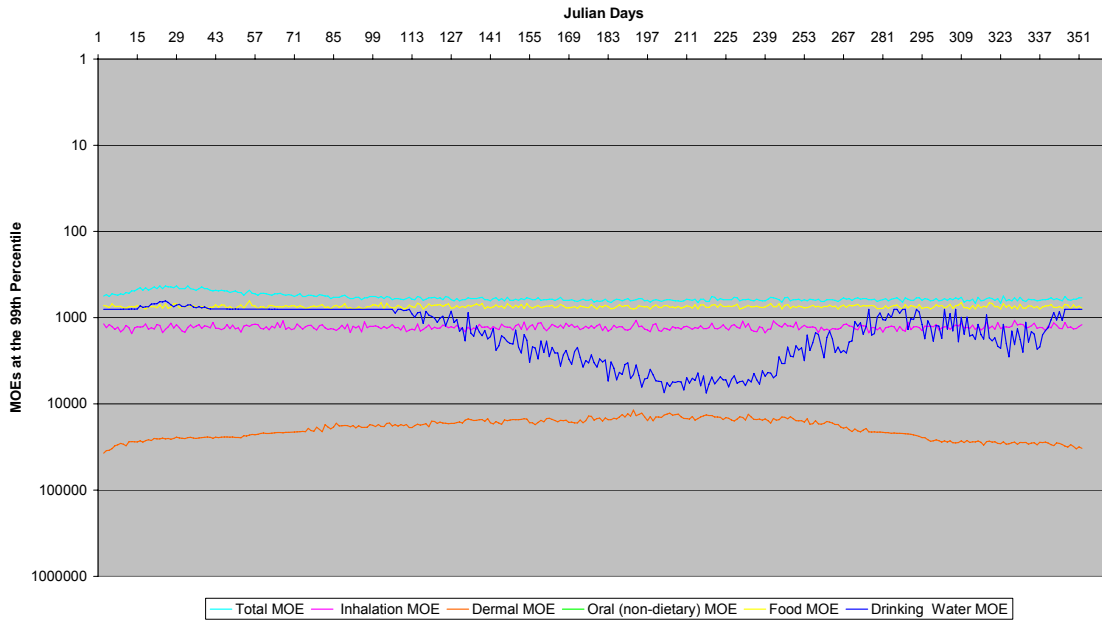
**OP CRA Youths 13-19 REGION C Surface Water (OXON 10X) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile**





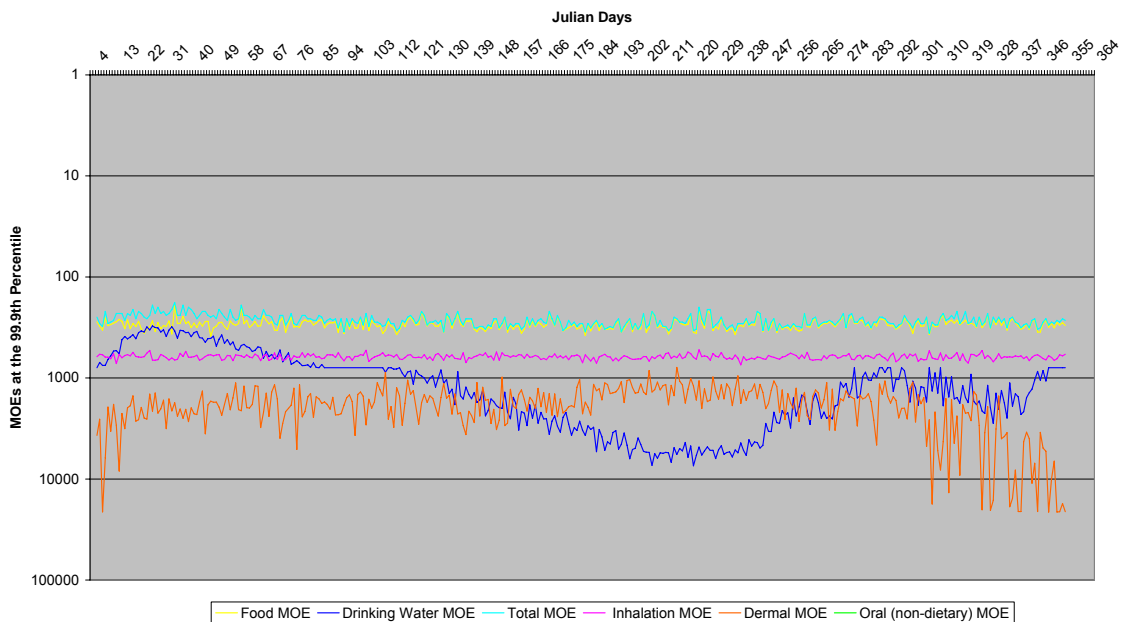
**Figure III.C 14**

**OP CRA Youths 13-19 REGION C Surface Water (OXON 10X) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile**



**Figure III.C 15**

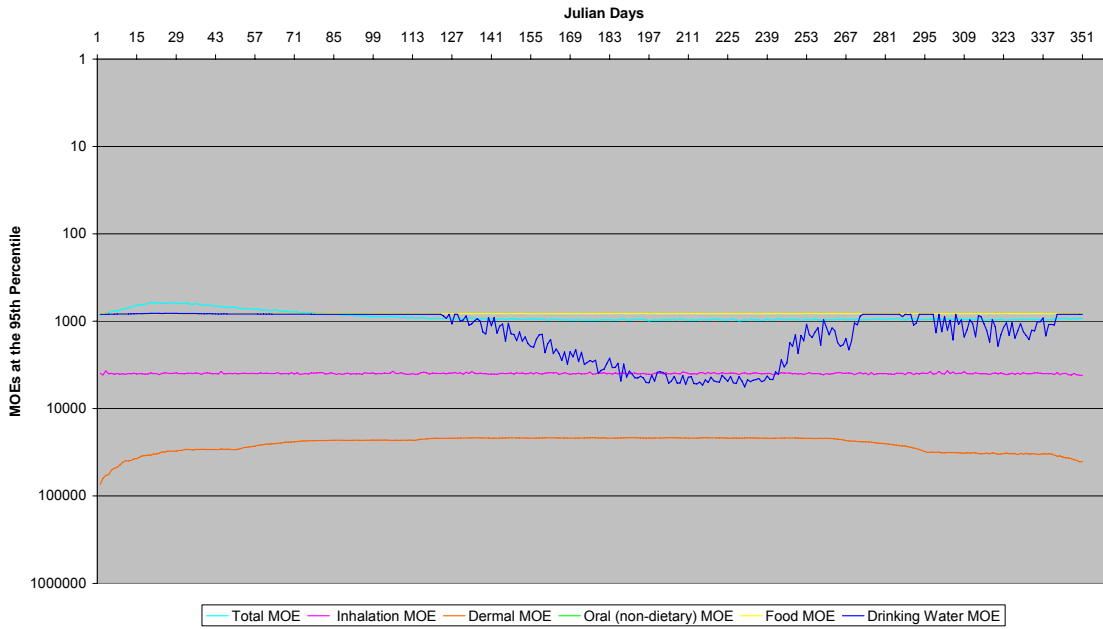
**OP CRA Youths 13-19 REGION C Surface Water (OXON 10X) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile**





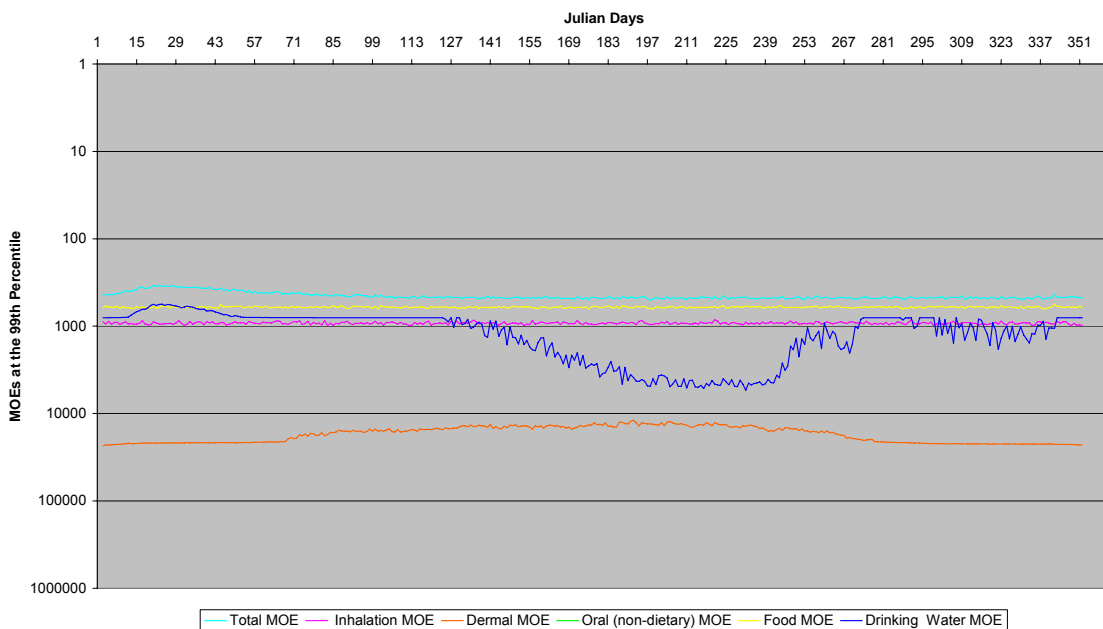
**Figure III.C 16**

OP CRA Adults 20-49 REGION C Surface Water (OXON 10X) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile



**Figure III.C 17**

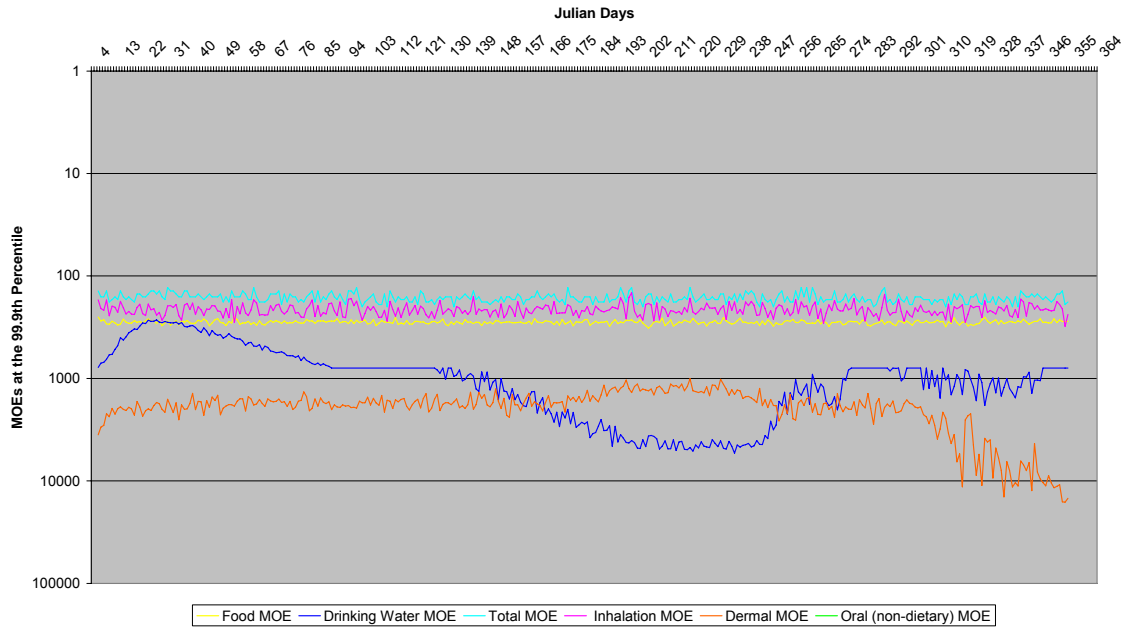
OP CRA Adults 20-49 REGION C Surface Water (OXON 10X) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile





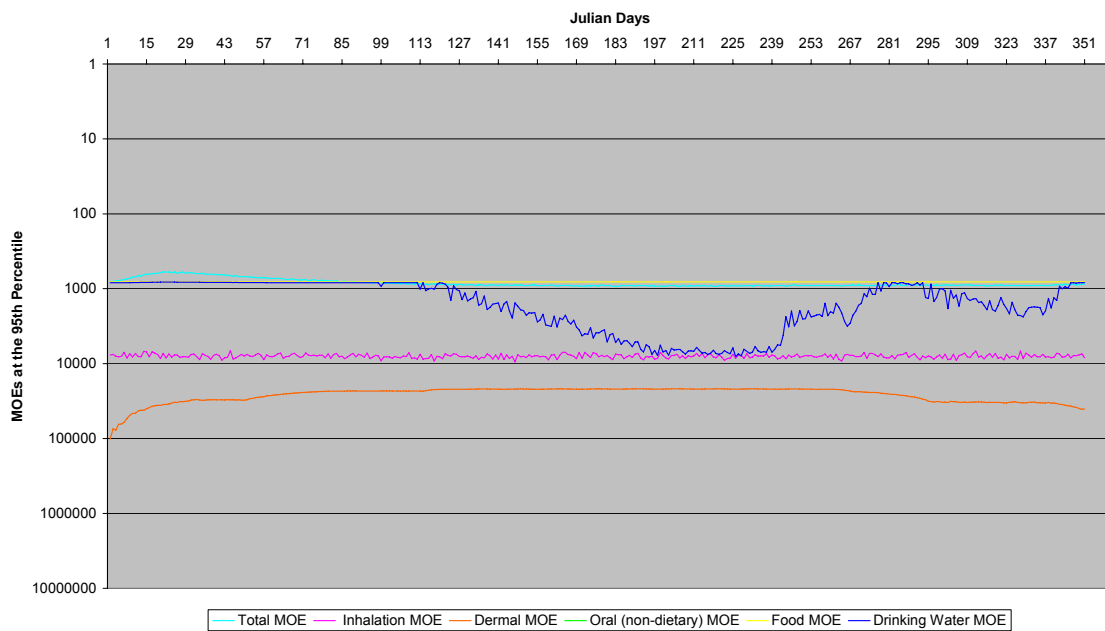
**Figure III.C 18**

**OP CRA Adults 20-49 REGION C Surface Water (OXON 10X) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile**



**Figure III.C 19**

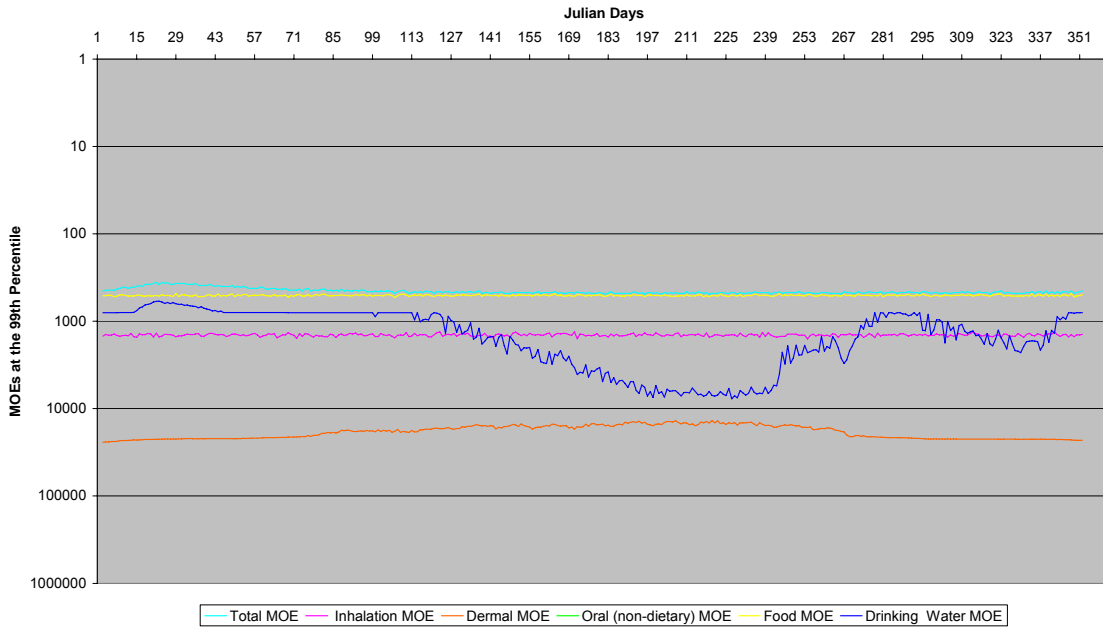
**OP CRA Adults 50+ REGION C Surface Water (OXON 10X) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile**





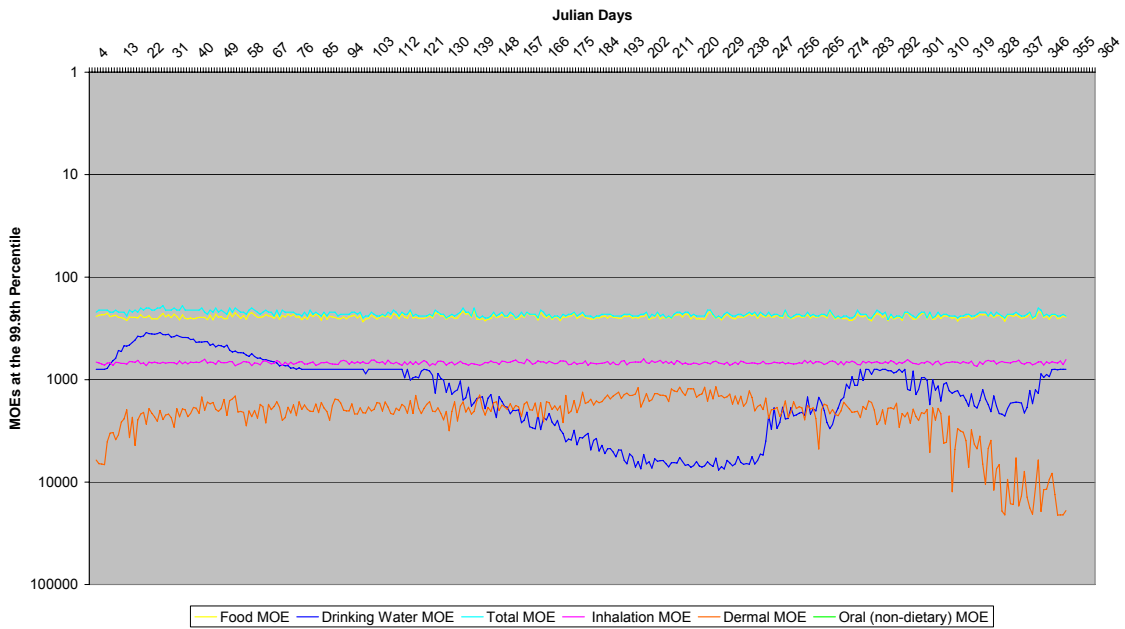
**Figure III.C 20**

OP CRA Adults 50+ REGION C Surface Water (OXON 10X) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile



**Figure III.C 21**

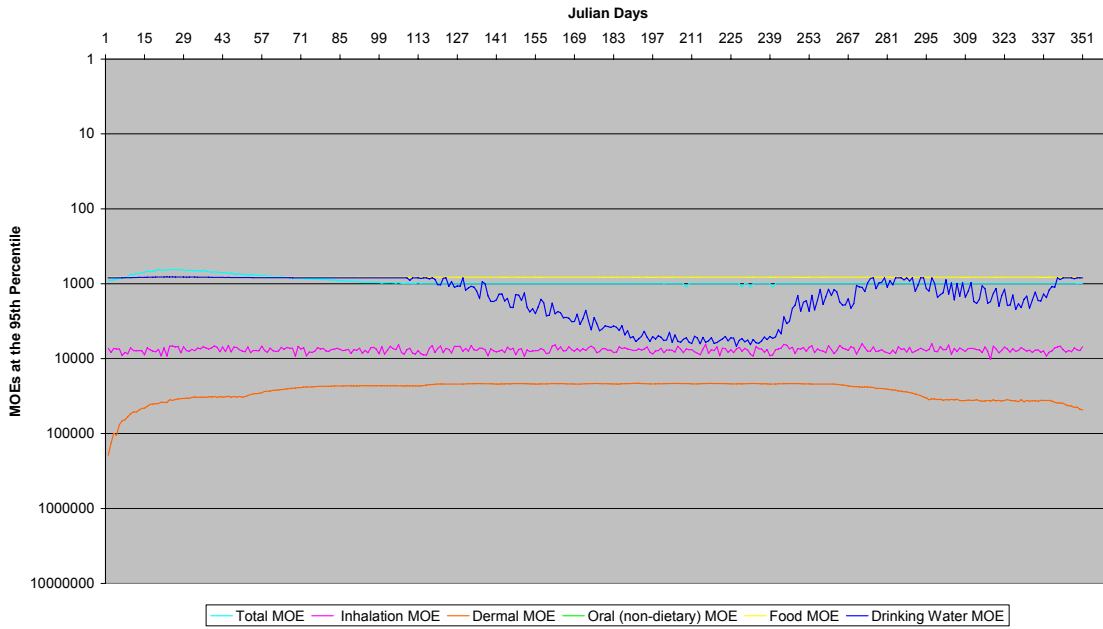
OP CRA Adults 50+ REGION C Surface Water (OXON 10X) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile





**Figure III.C 22**

OP CRA Females 13-49 REGION C Surface Water (OXON 10X) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile



**Figure III.C 23**

OP CRA Females 13-49 REGION C Surface Water (OXON 10X) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile

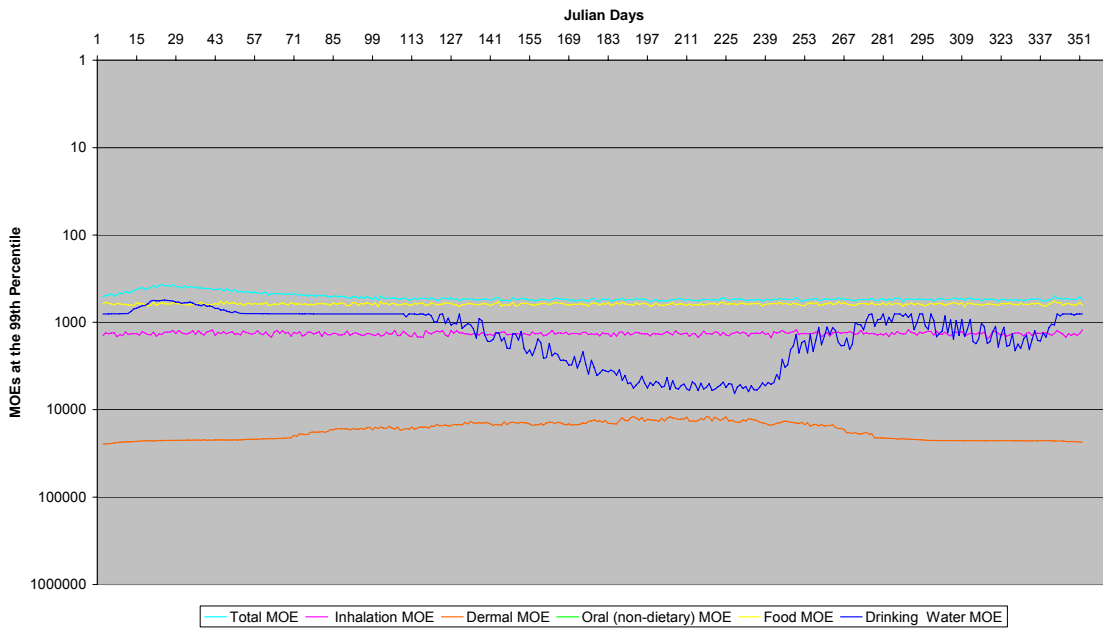
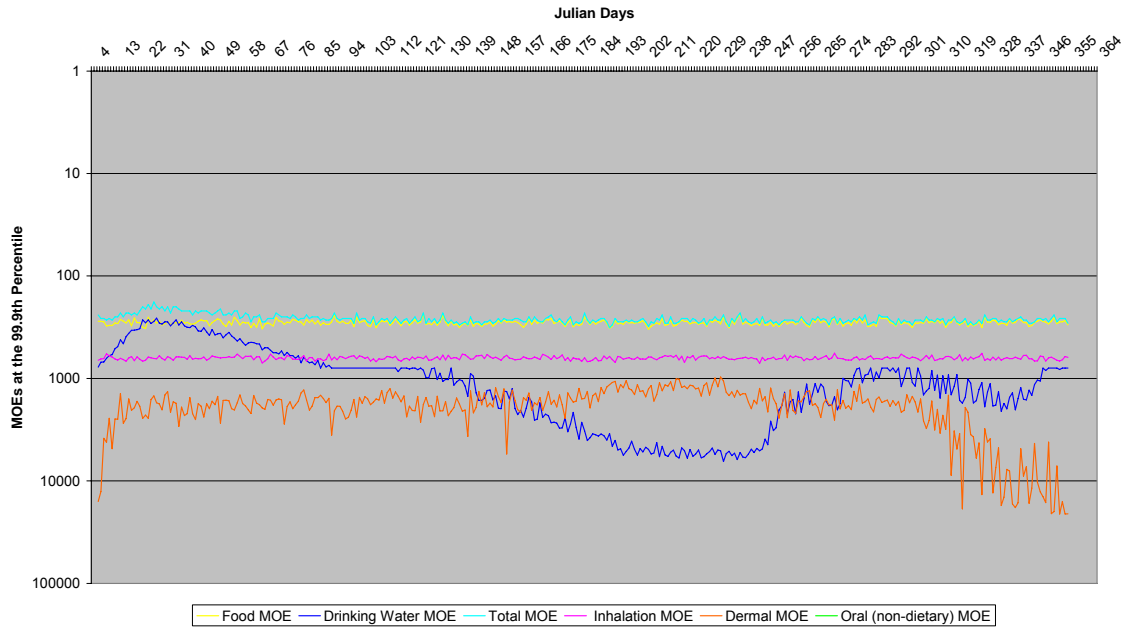




Figure III.C 24

OP CRA Females 13-49 REGION C Surface Water (OXON 10X) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile

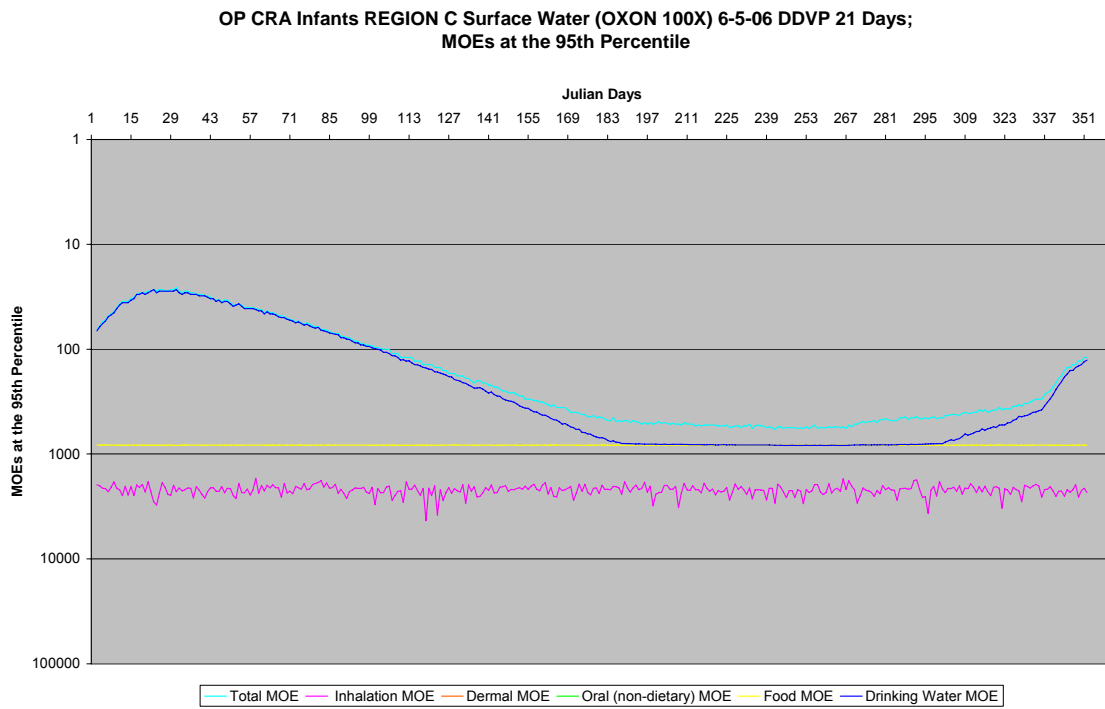






### D. Region C 100x

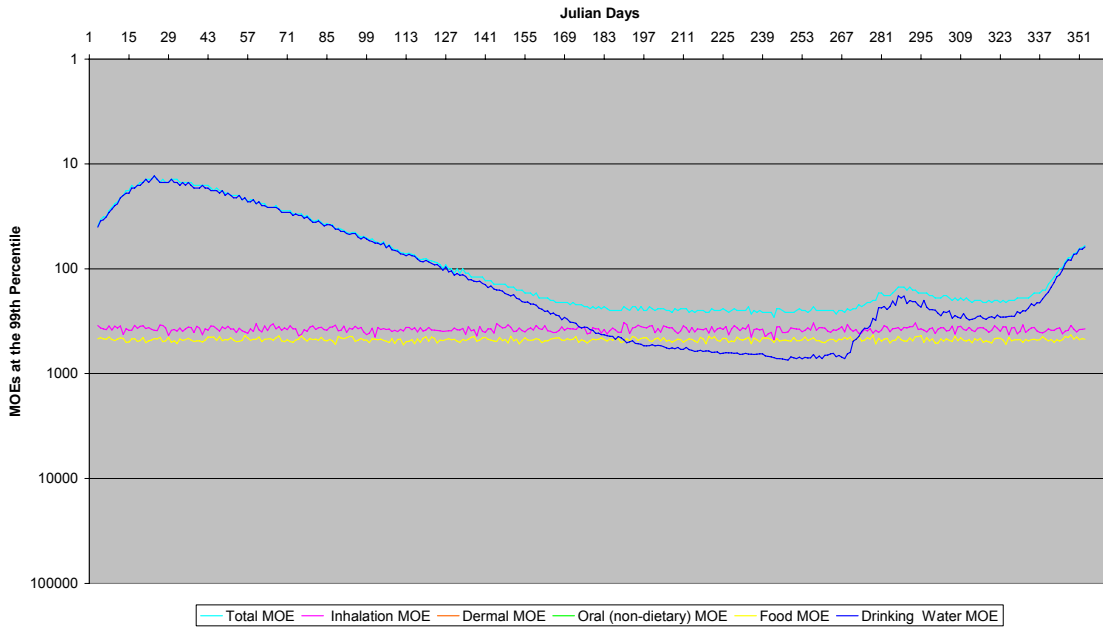
Figure III.D 1





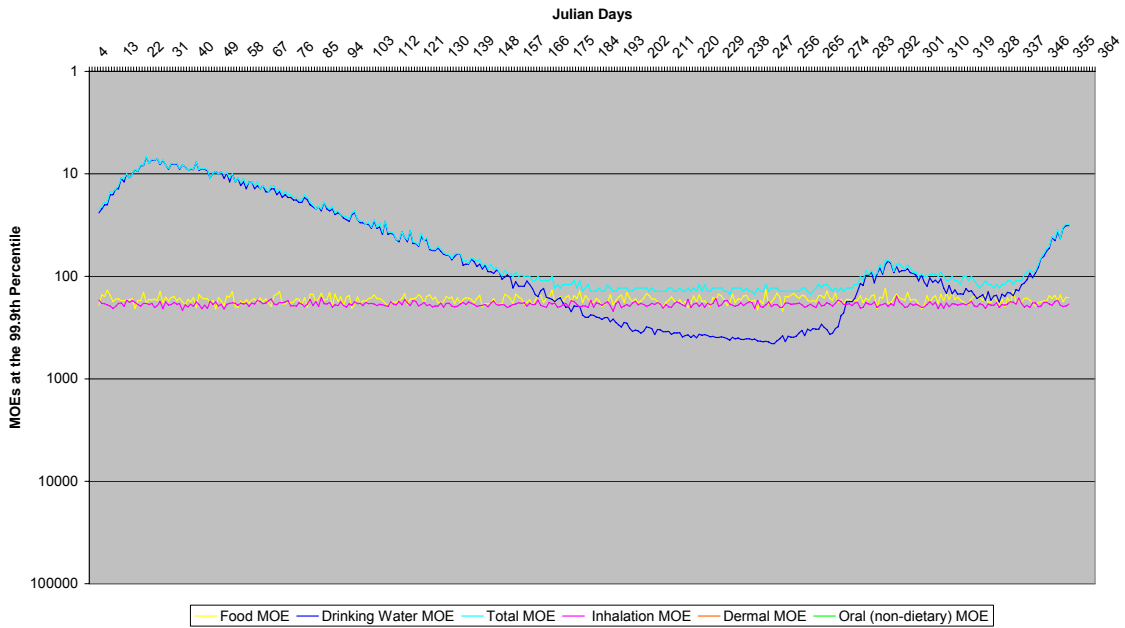
**Figure III.D 2**

OP CRA Infants REGION C Surface Water (OXON 100X) 6-4-06 DDVP 21 Days;  
MOEs at the 99th Percentile



**Figure III.D 3**

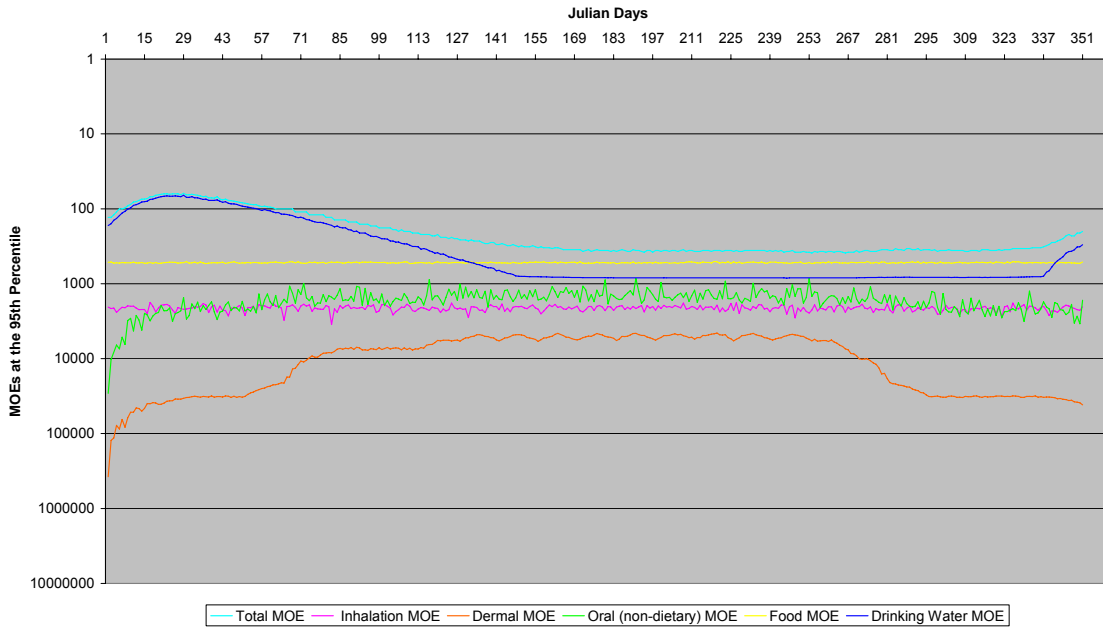
OP CRA Infants REGION C Surface Water (OXON 100X) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile





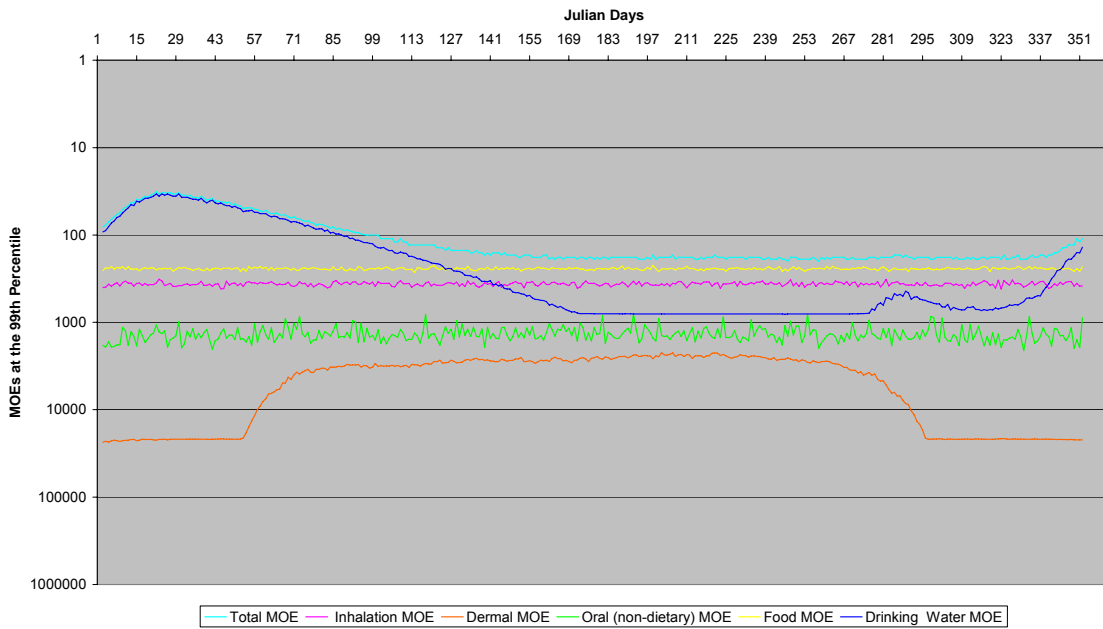
**Figure III.D 4**

OP CRA Children 1-2 REGION C Surface Water (OXON 100X) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile



**Figure III.D 5**

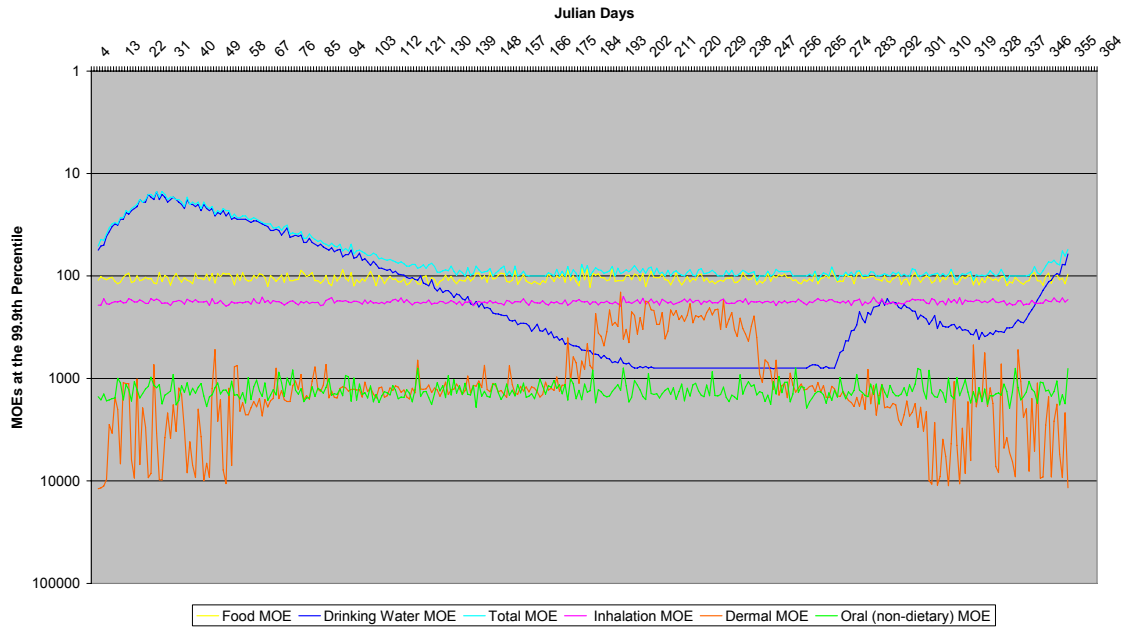
OP CRA Children 1-2 REGION C Surface Water (OXON 100X) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile





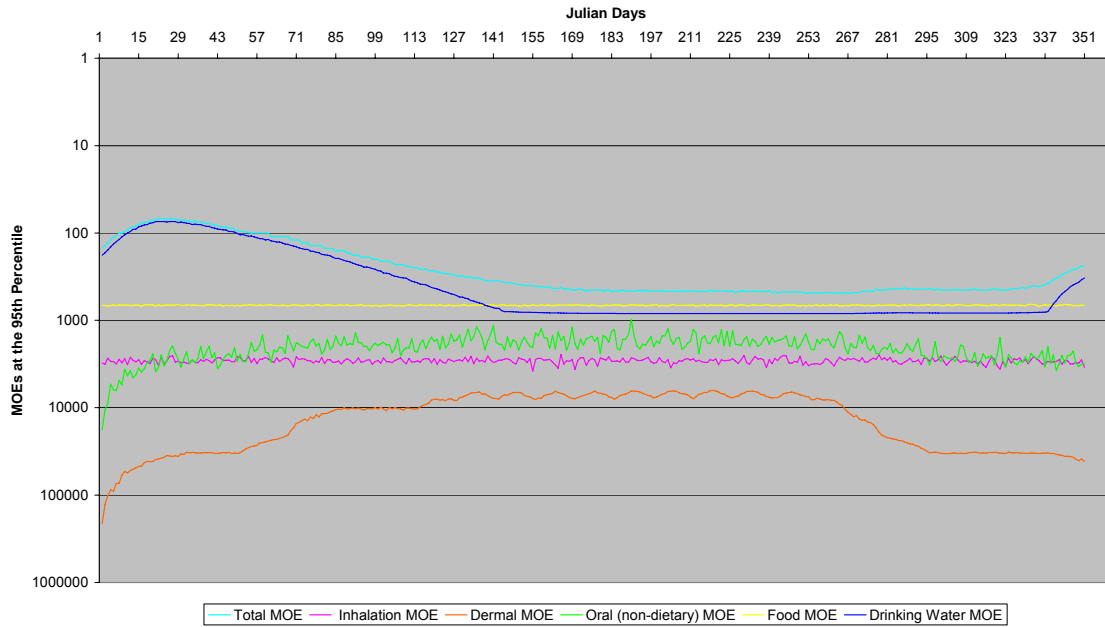
**Figure III.D 6**

**OP CRA Children 1-2 REGION C Surface Water (OXON 100X) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile**



**Figure III.D 7**

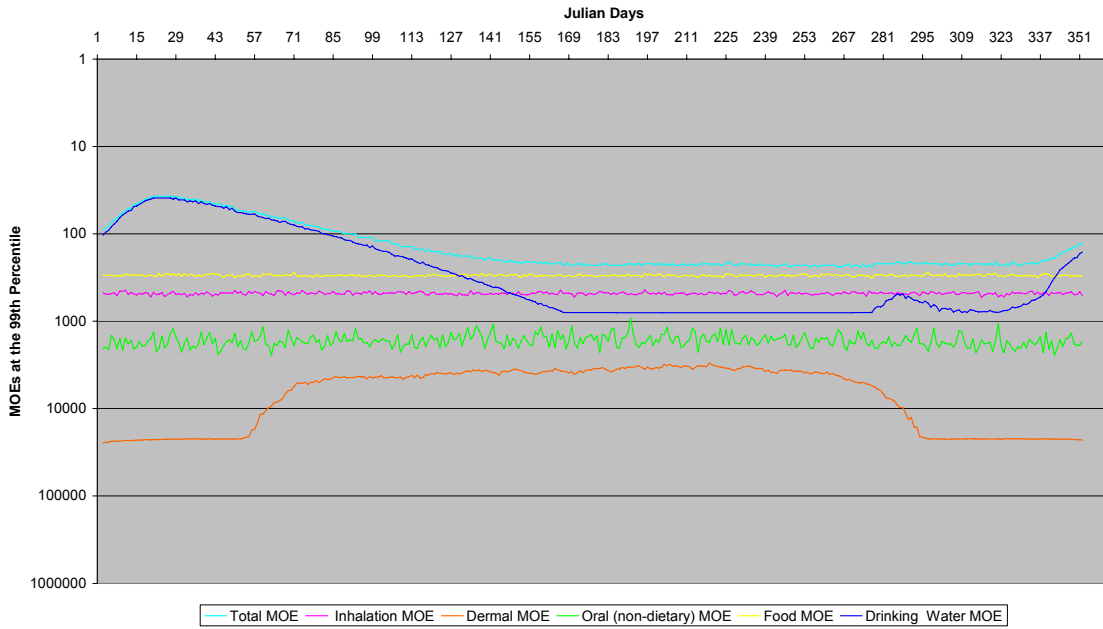
**P CRA Children 3-5 REGION C Surface Water (OXON 100X) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile**





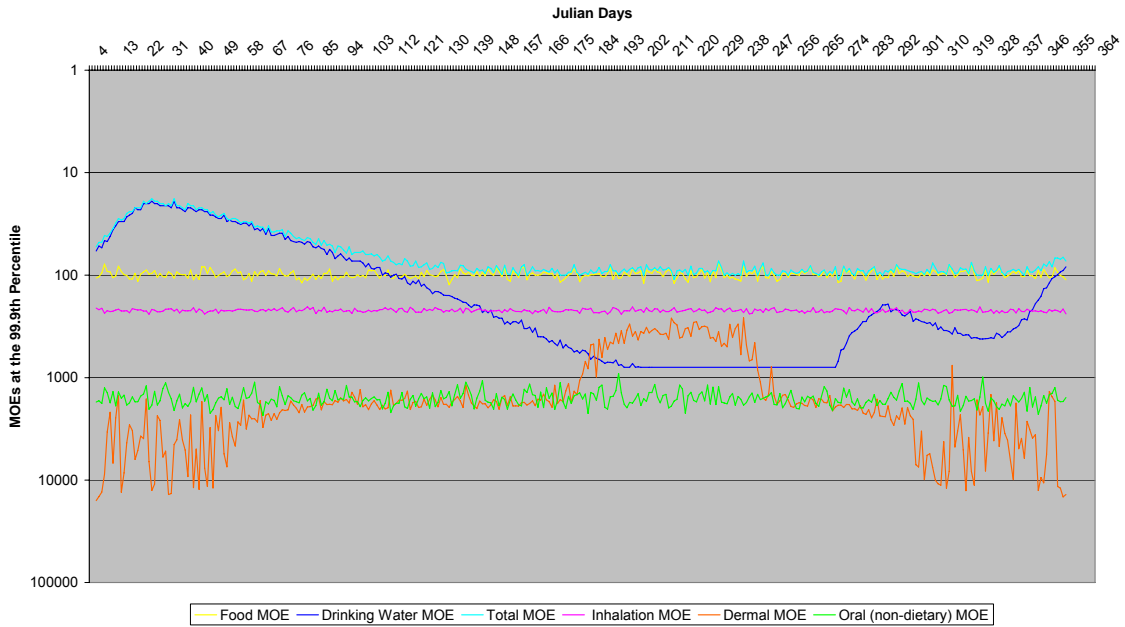
**Figure III.D 8**

**P CRA Children 3-5 REGION C Surface Water (OXON 100X) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile**



**Figure III.D 9**

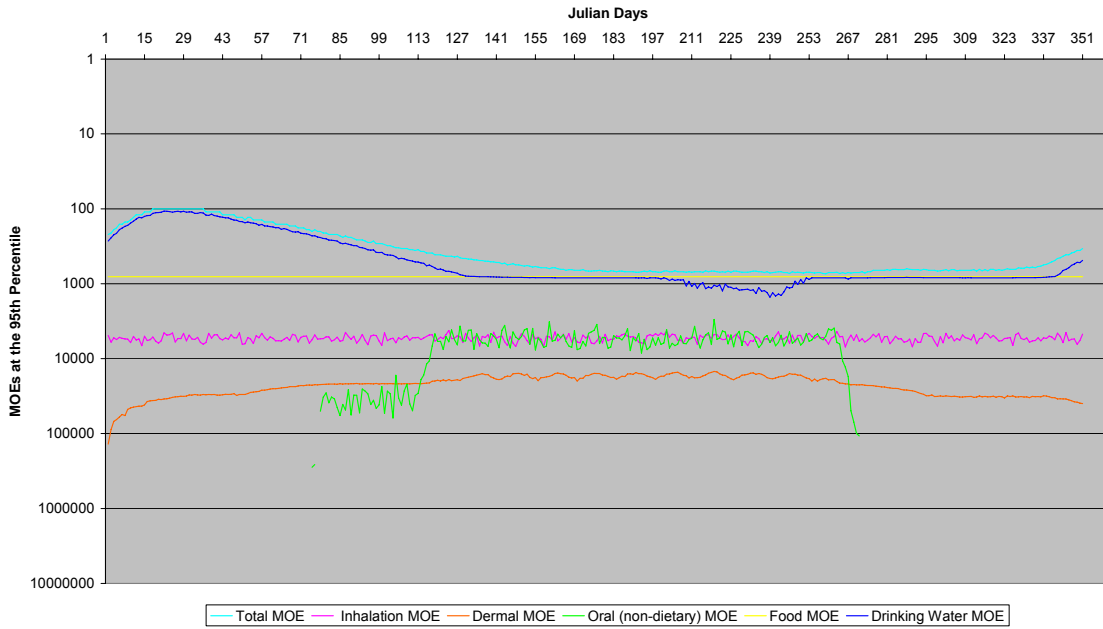
**OP CRA Children 3-5 REGION C Surface Water (OXON 100X) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile**





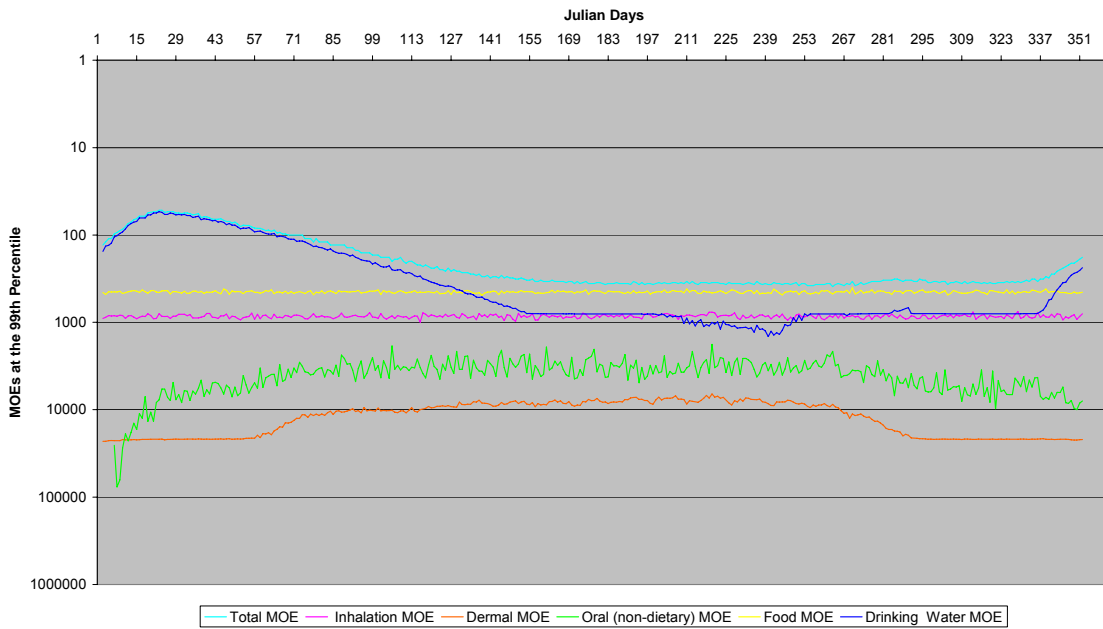
**Figure III.D 10**

OP CRA Children 6-12 REGION C Surface Water (OXON 100X) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile



**Figure III.D 11**

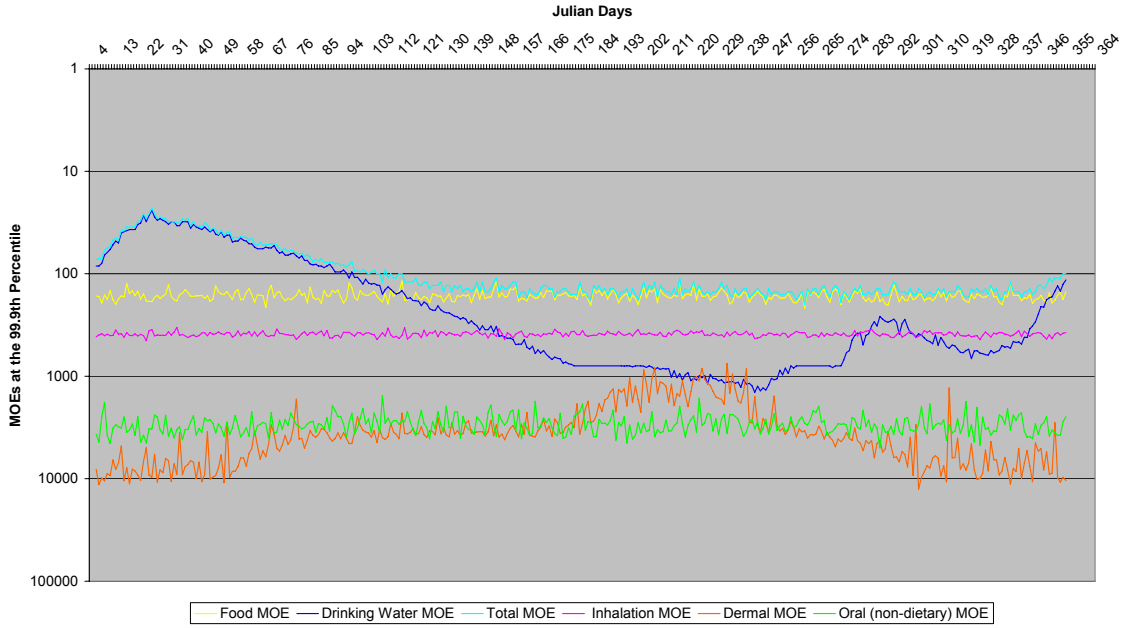
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MOEs at the 99th Percentile





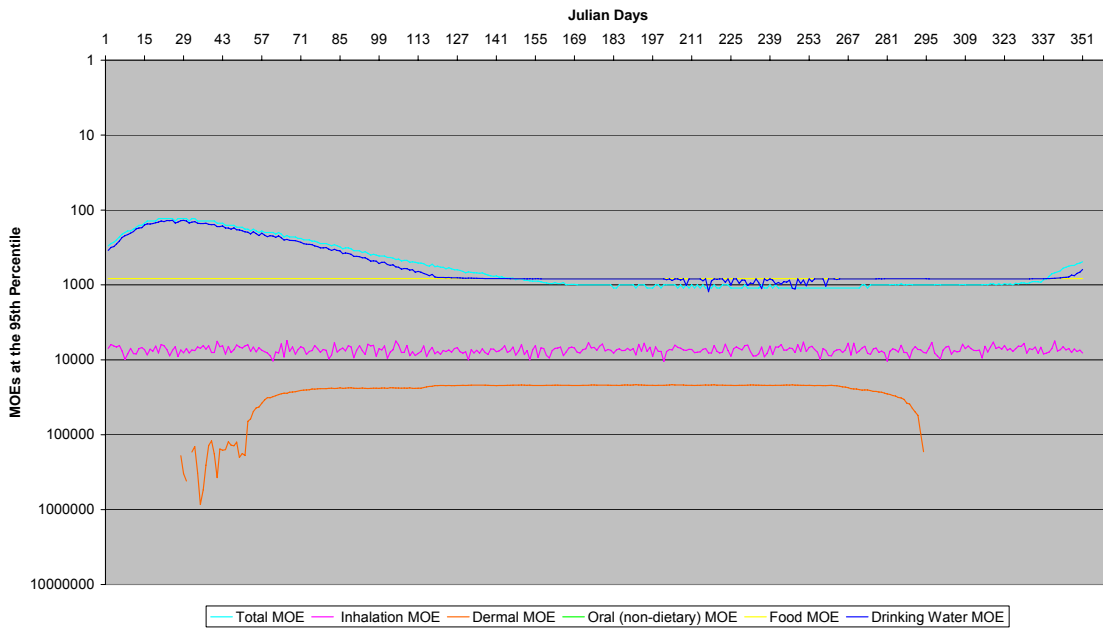
**Figure III.D 12**

**OP CRA Children 6-12 REGION C Surface Water (OXON 100X) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile**



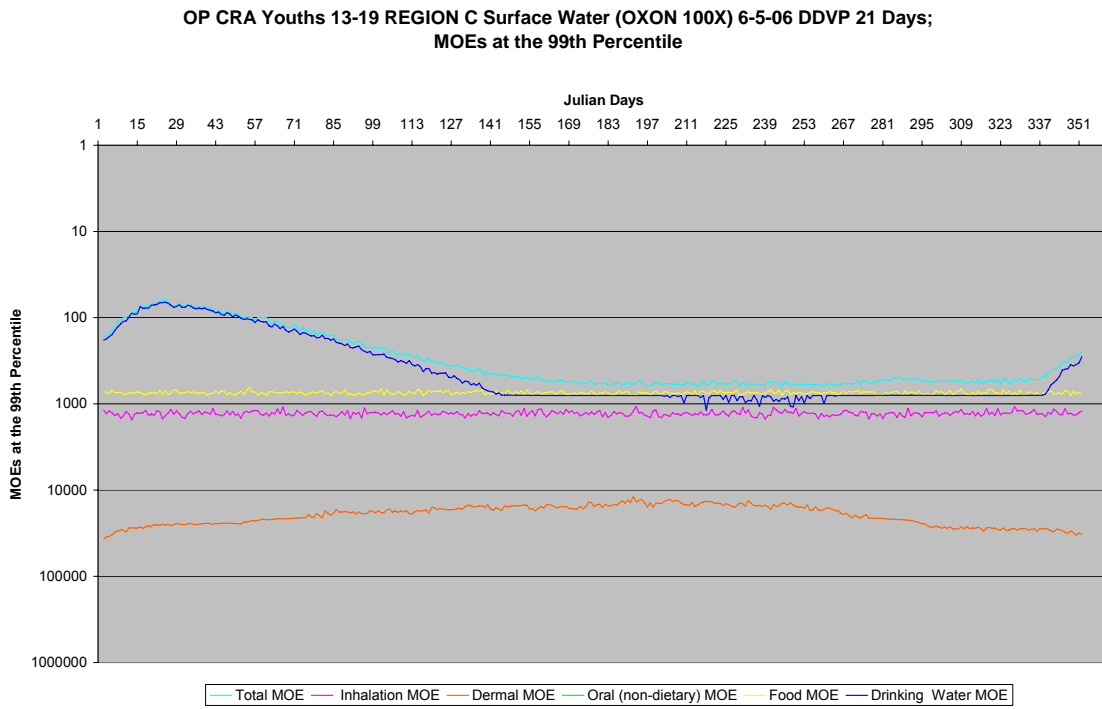
**Figure III.D 13**

**OP CRA Youths 13-19 REGION C Surface Water (OXON 100X) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile**

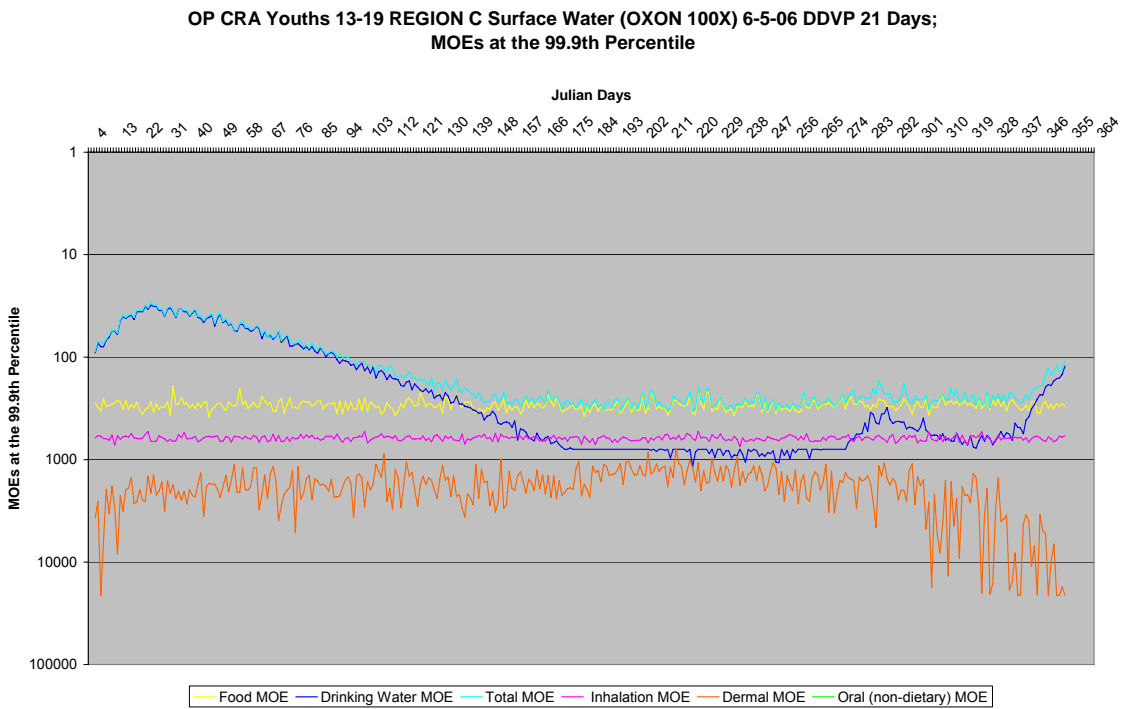




**Figure III.D 14**



**Figure III.D 15**

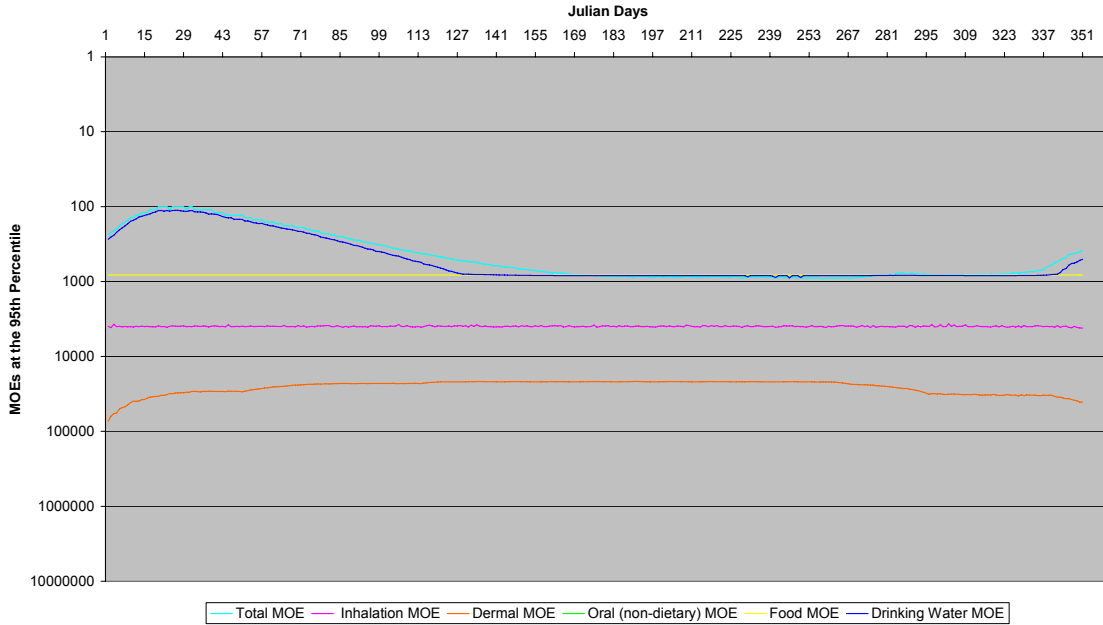






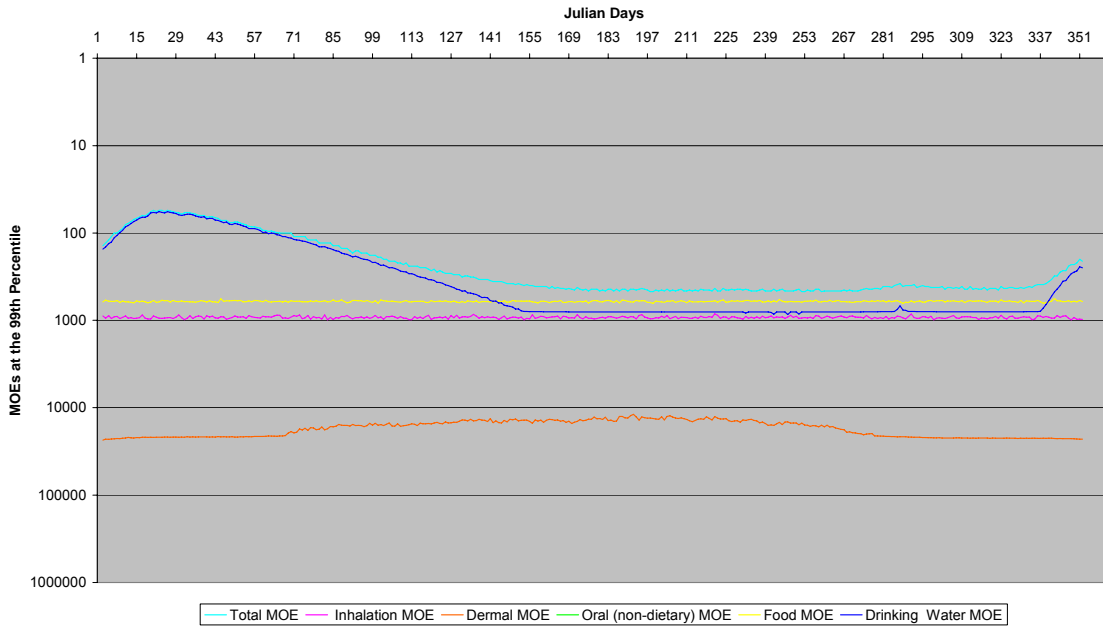
**Figure III.D 16**

OP CRA Adults 20-49 REGION C Surface Water (OXON 100X) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile



**Figure III.D 17**

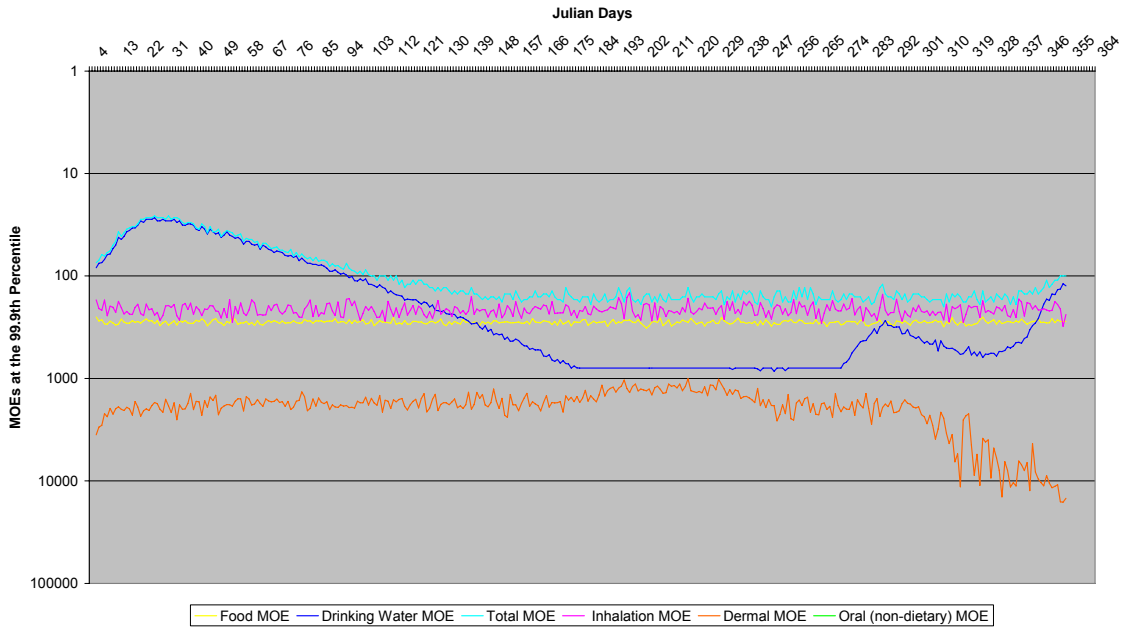
OP CRA Adults 20-49 REGION C Surface Water (OXON 100X) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile





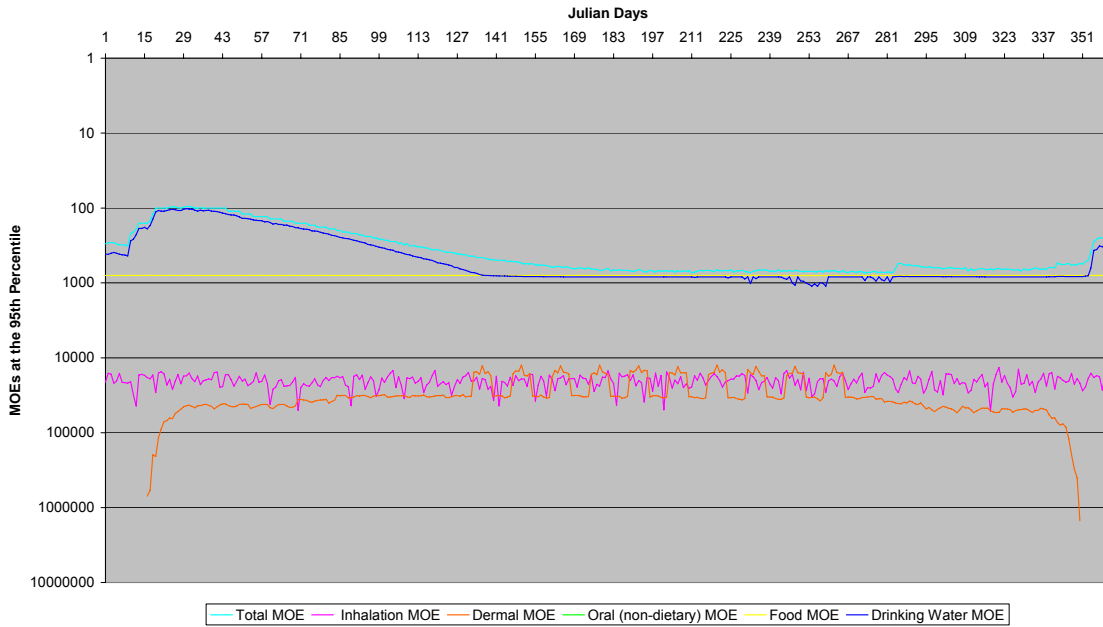
**Figure III.D 18**

**OP CRA Adults 20-49 REGION C Surface Water (OXON 100X) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile**



**Figure III.D 19**

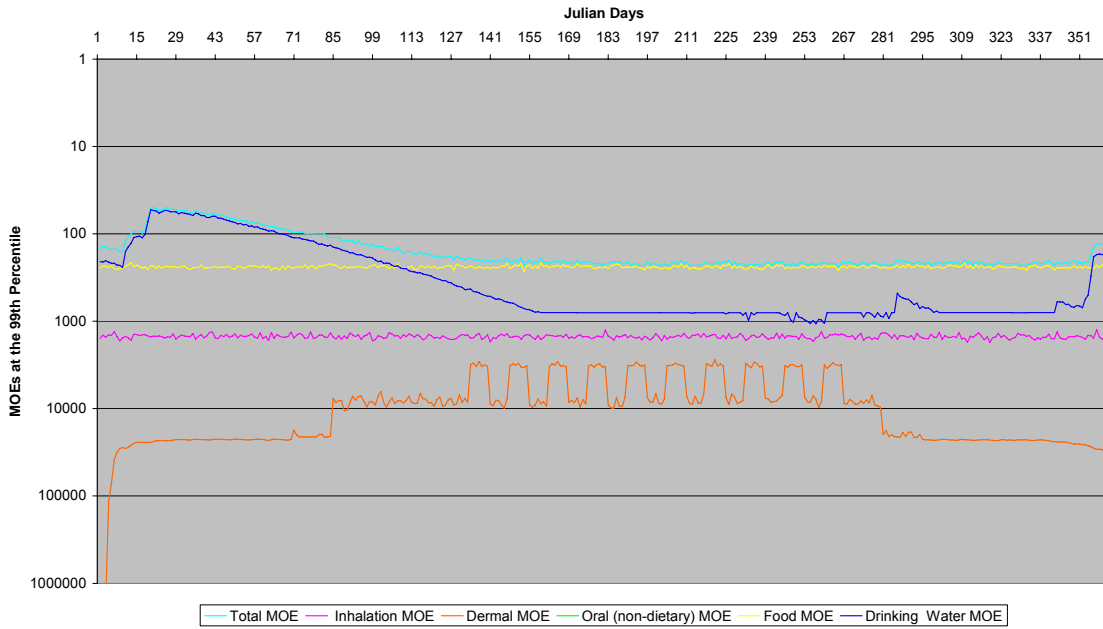
**OP CRA Adults 50+ REGION C Surface Water (OXON 100X) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile**





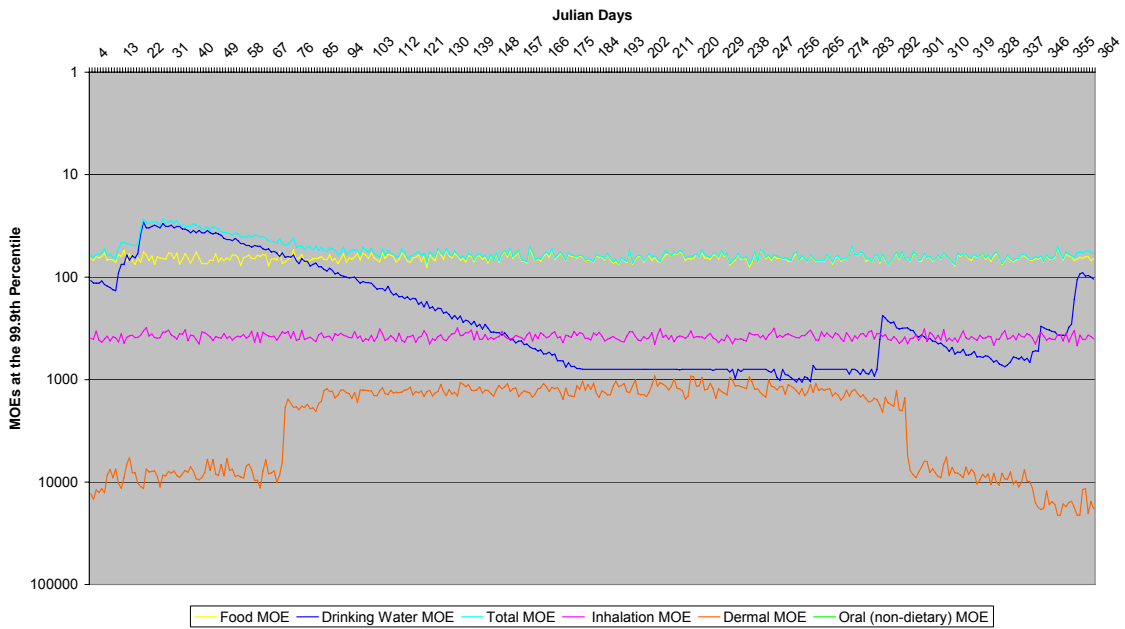
**Figure III.D 20**

OP CRA Adults 50+ REGION C Surface Water (OXON 100X) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile



**Figure III.D 21**

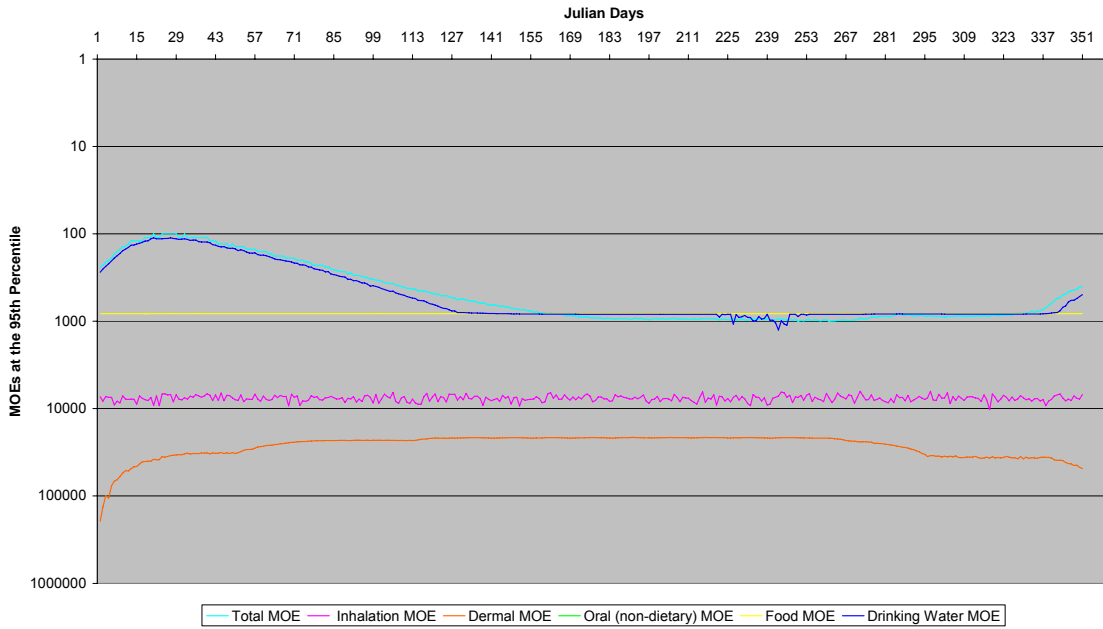
OP CRA Adults 50+ REGION C Surface Water (OXON 100X) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile





**Figure III.D 22**

OP CRA Females 13-49 REGION C Surface Water (OXON 100X) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile



**Figure III.D 23**

OP CRA Females 13-49 REGION C Surface Water (OXON 100X) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile

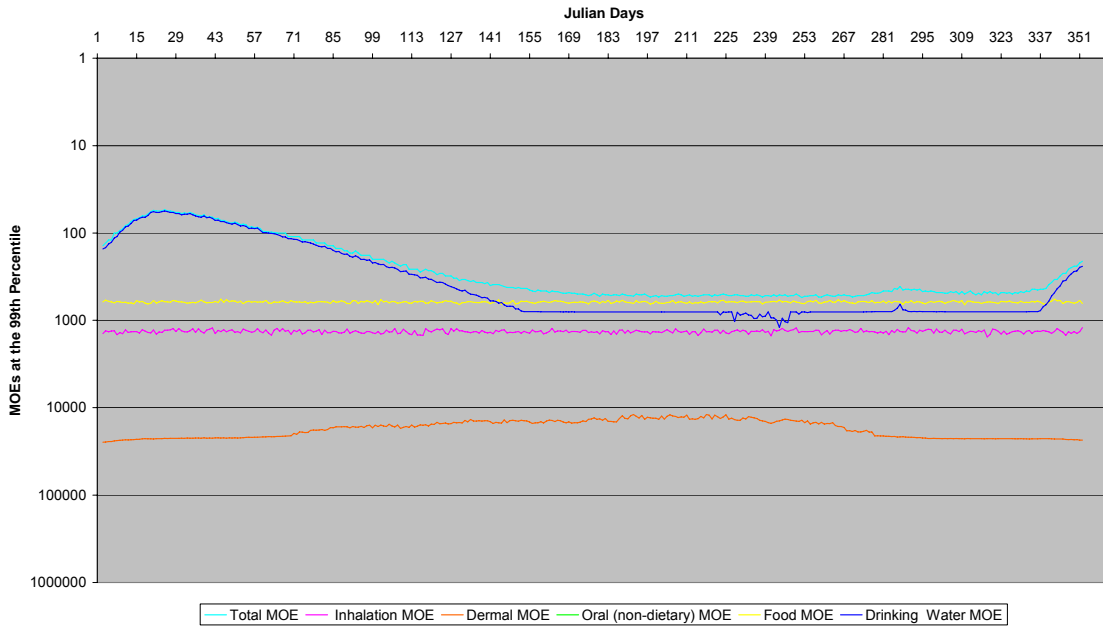
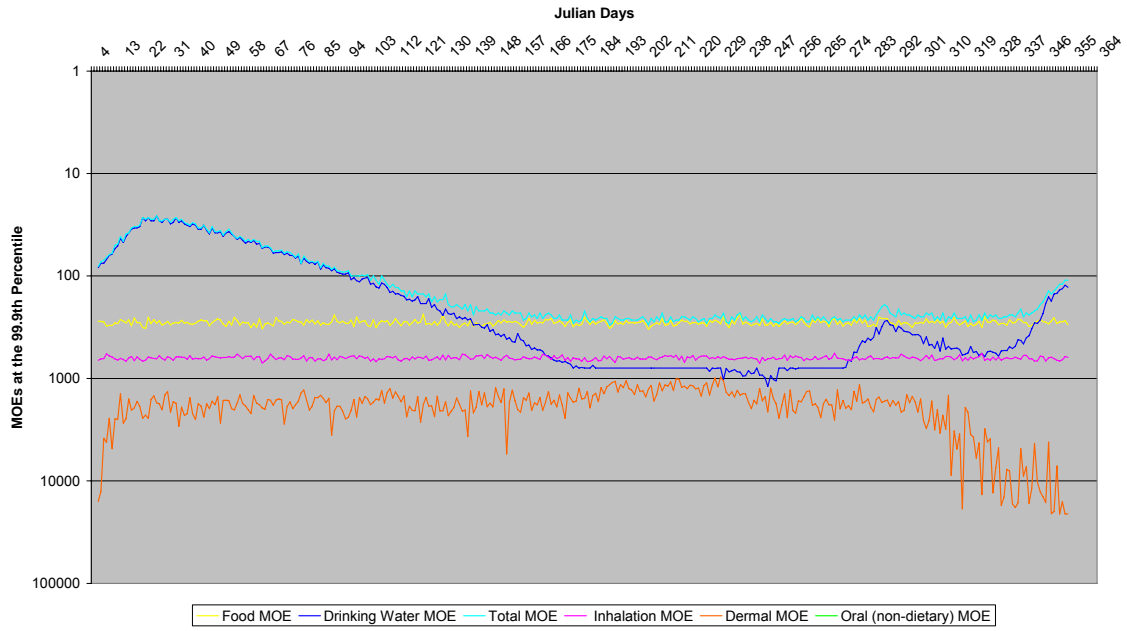




Figure III.D 24

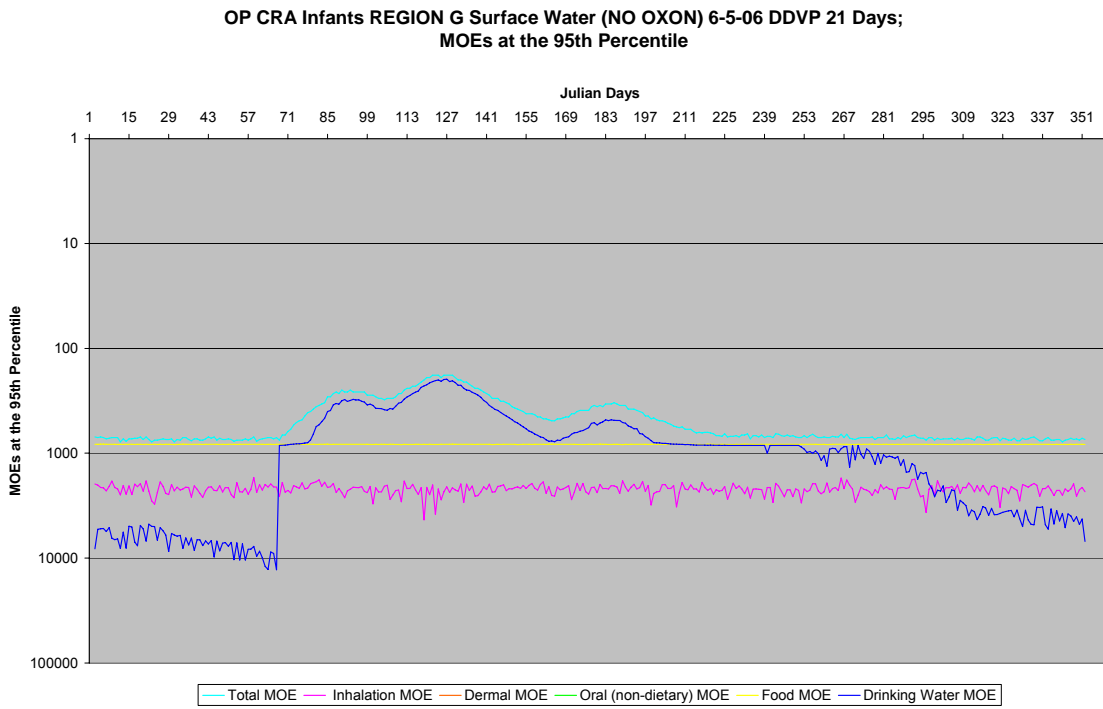
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MOEs at the 99.9th Percentile





### E. Region G

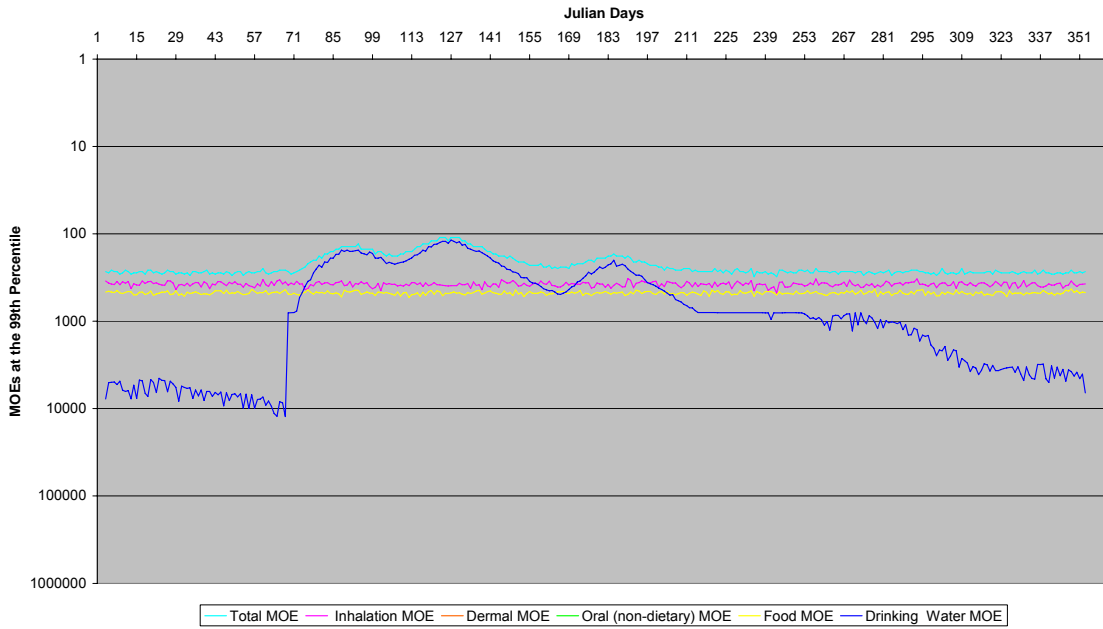
Figure III.E 1





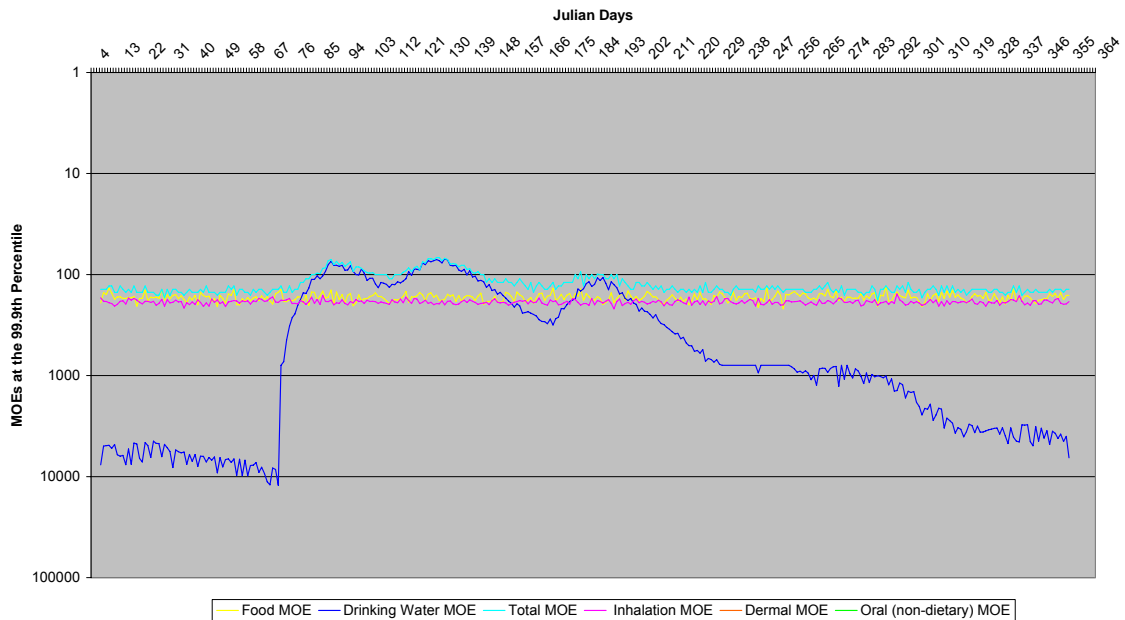
**Figure III.E 2**

**OP CRA Infants REGION G Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile**



**Figure III.E 3**

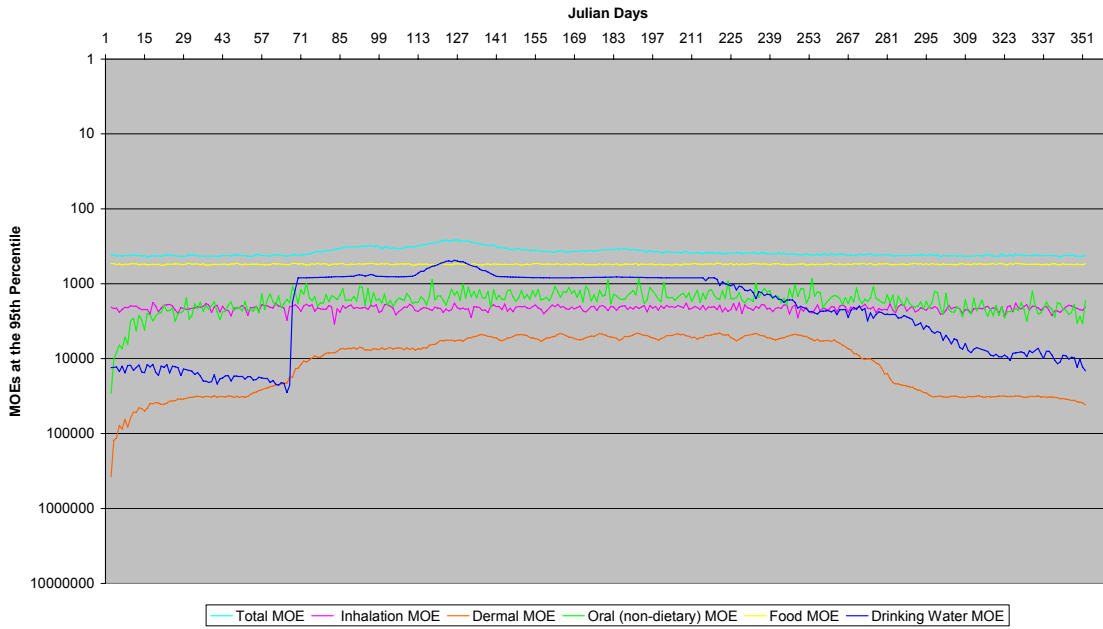
**OP CRA Infants REGION G Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile**





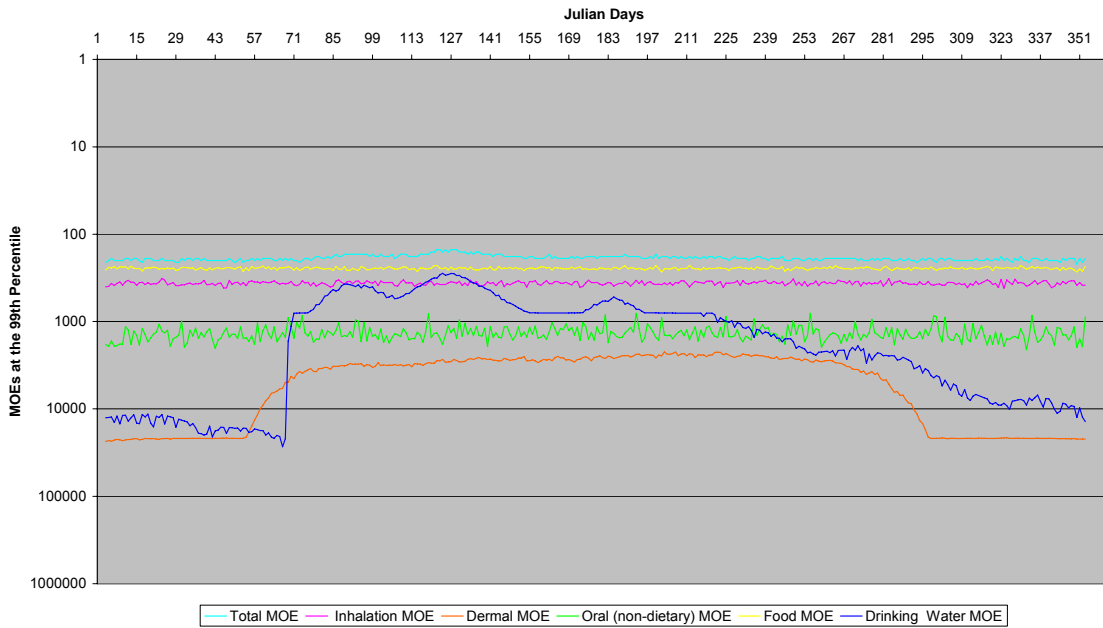
**Figure III.E 4**

OP CRA Children 1-2 REGION G Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile



**Figure III.E 5**

OP CRA Children 1-2 REGION G Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile

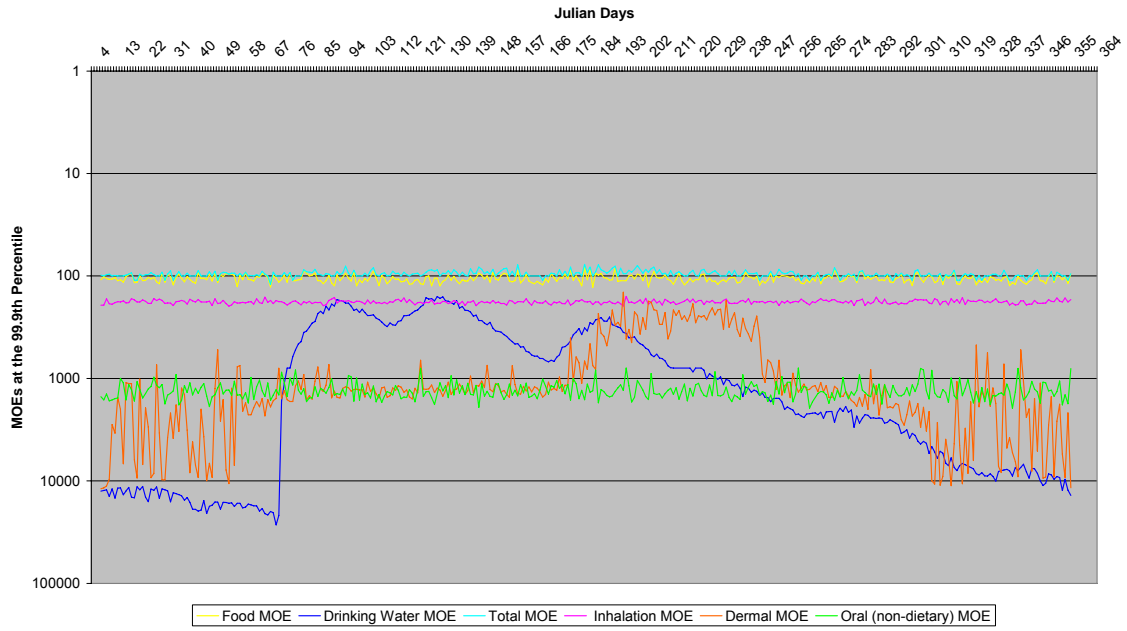






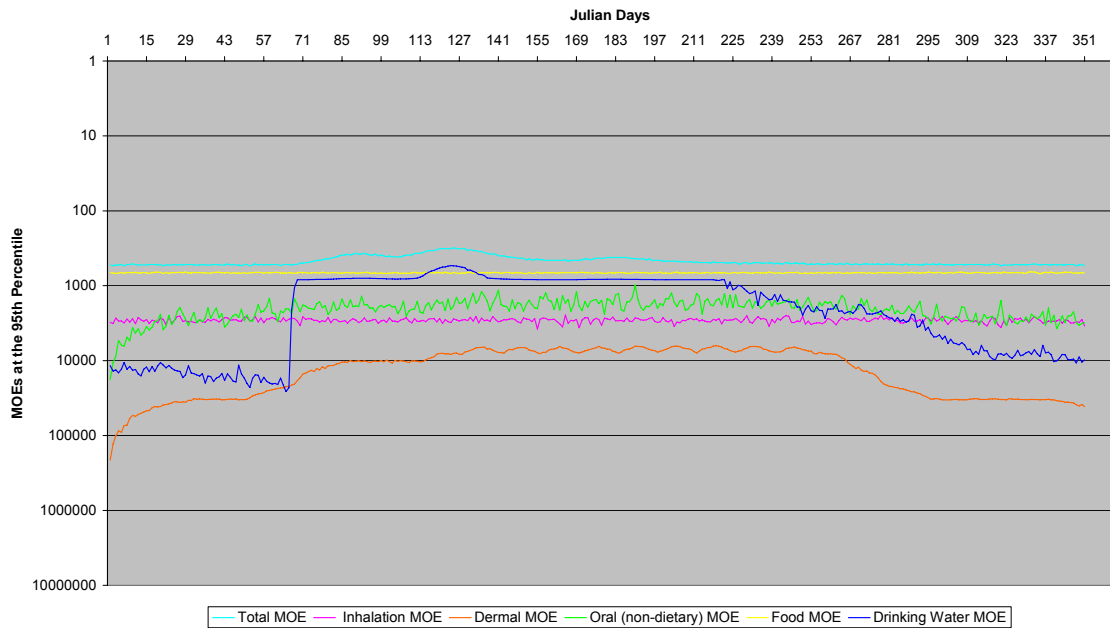
**Figure III.E 6**

**OP CRA Children 1-2 REGION G Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile**



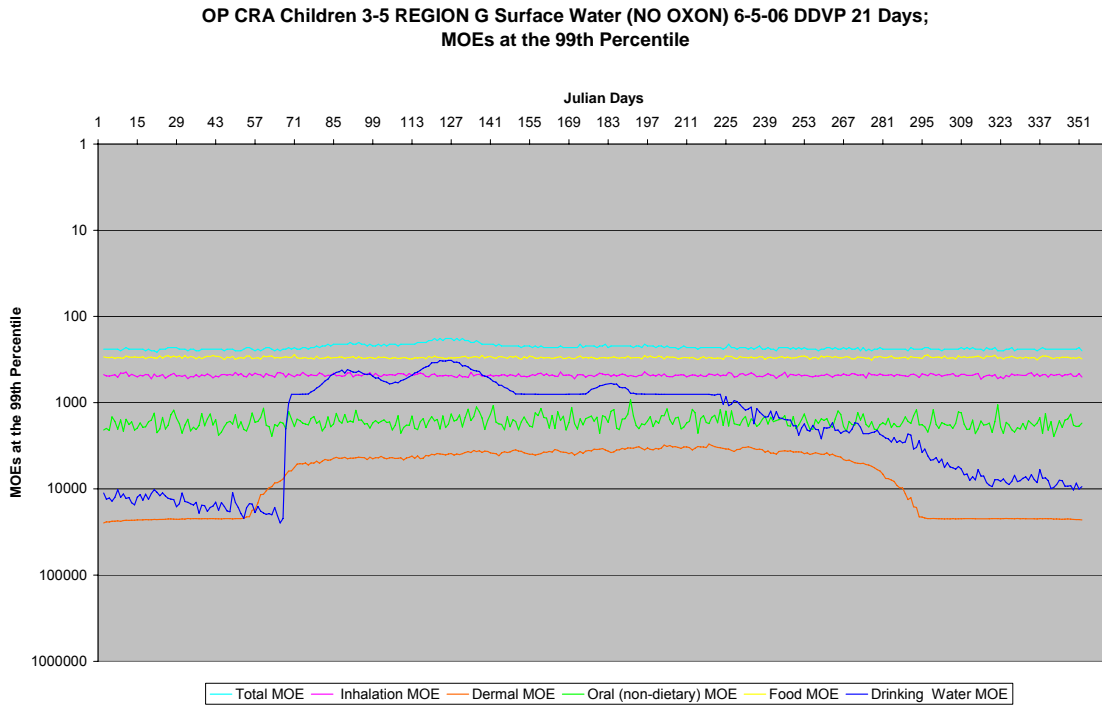
**Figure III.E 7**

**OP CRA Children 3-5 REGION G Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile**

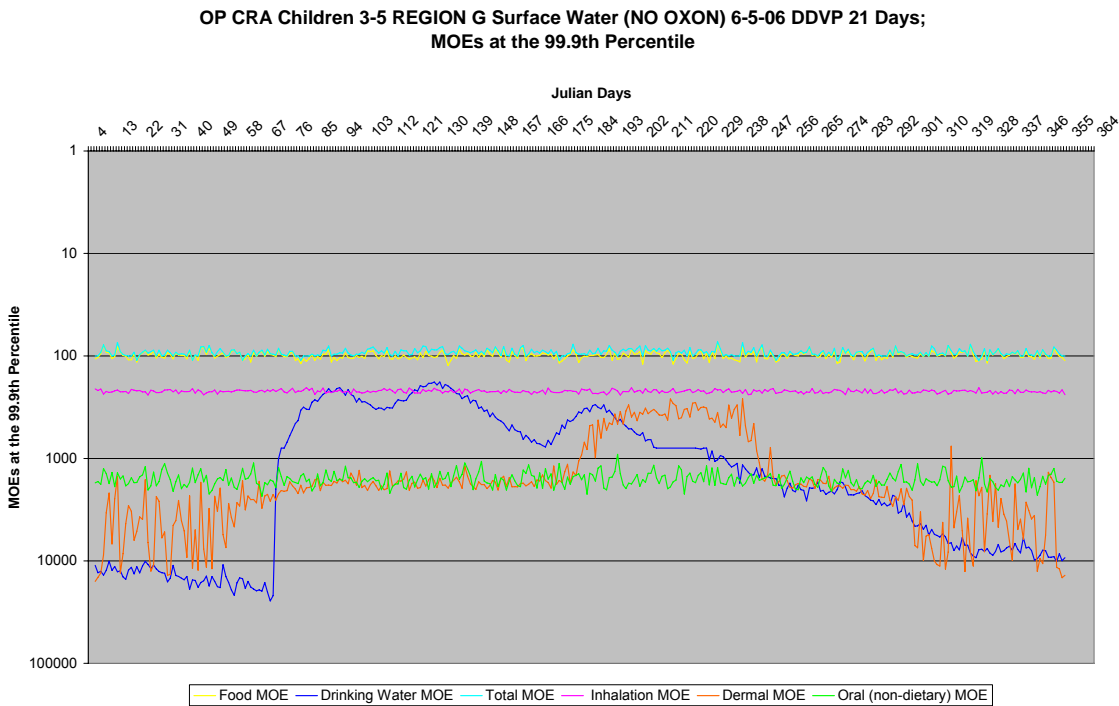




**Figure III.E 8**



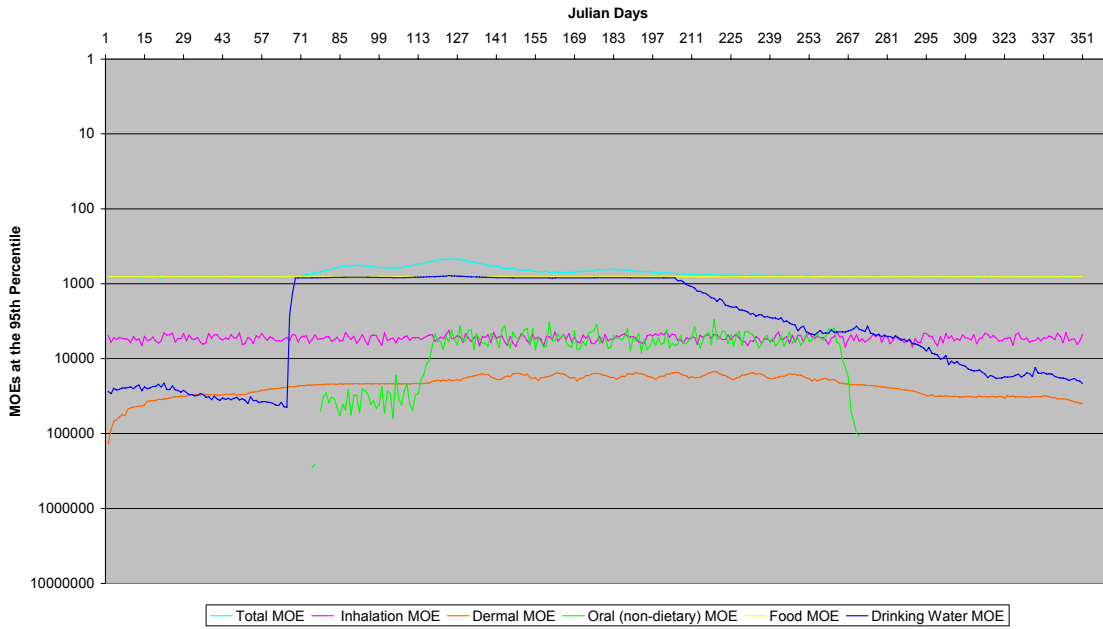
**Figure III.E 9**





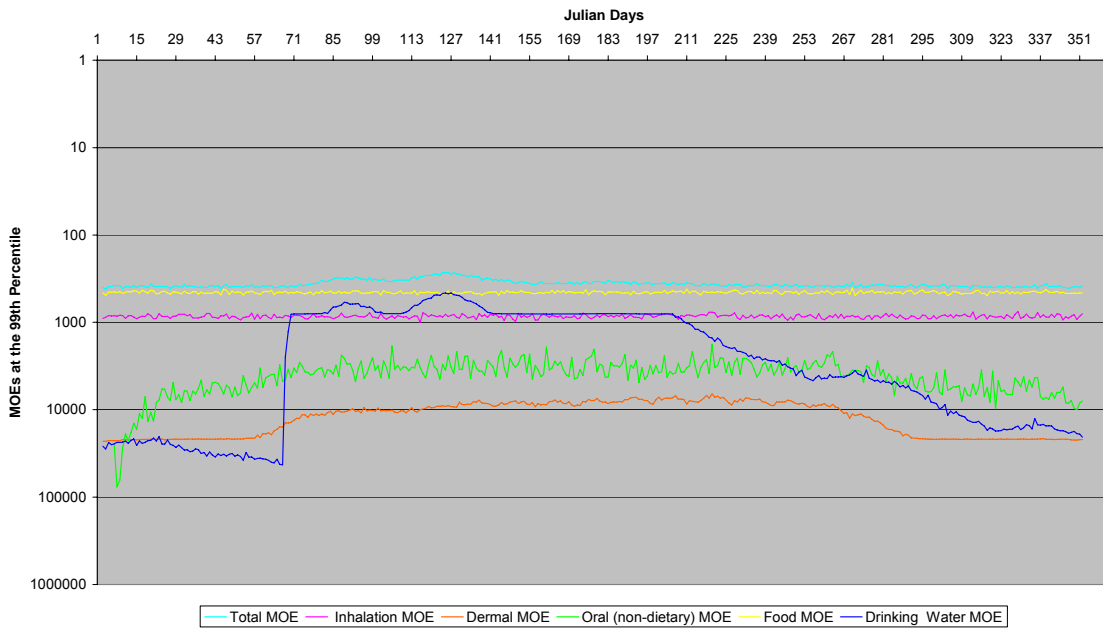
**Figure III.E 10**

**OP CRA Children 6-12 REGION G Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile**



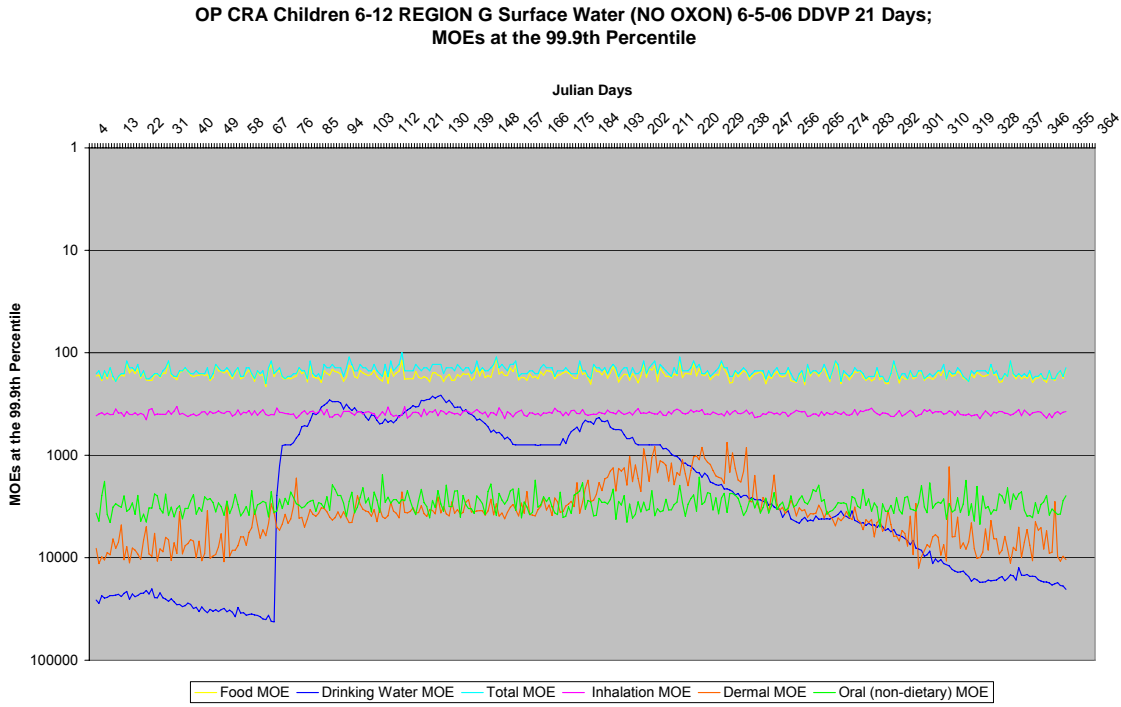
**Figure III.E 11**

**OP CRA Children 6-12 REGION G Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile**

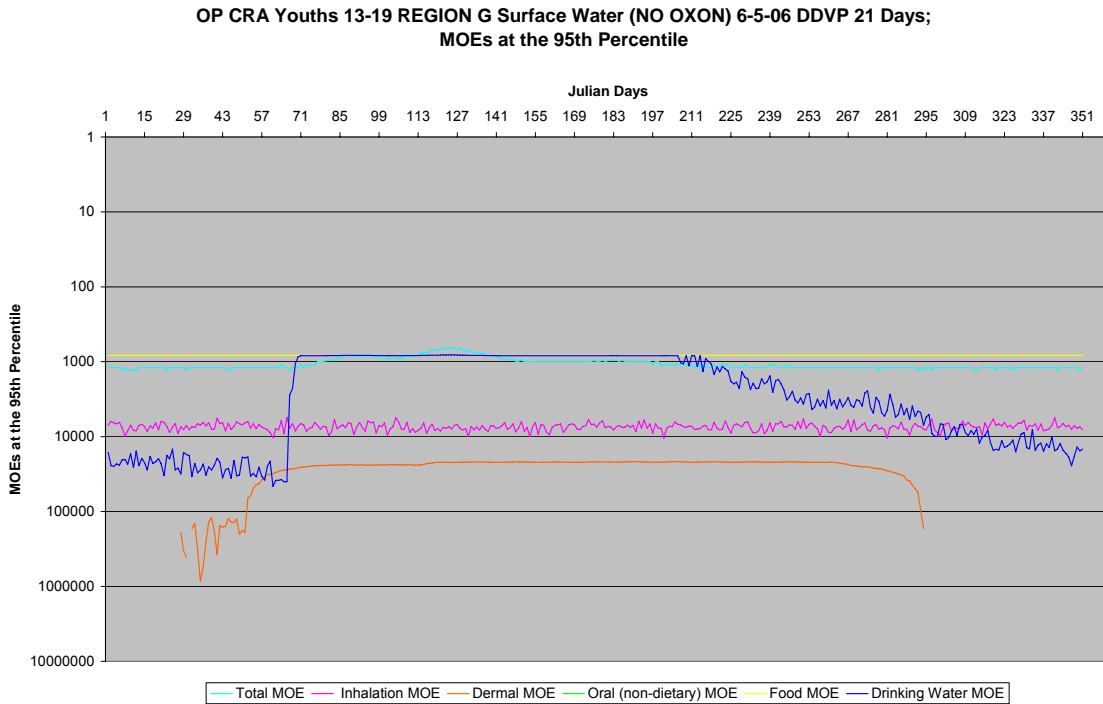




**Figure III.E 12**



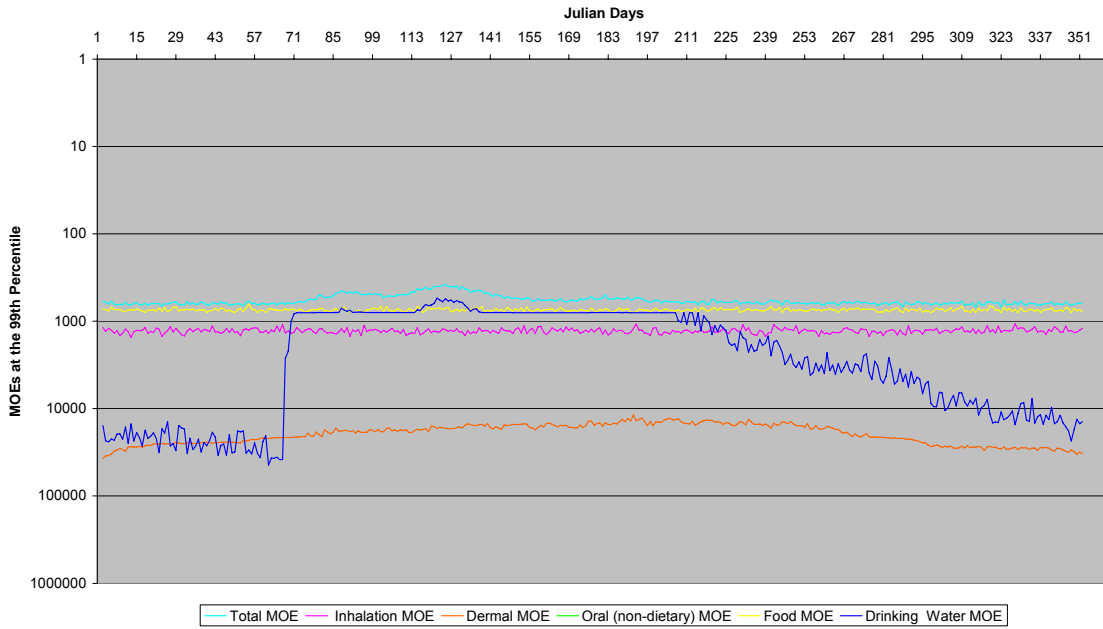
**Figure III.E 13**





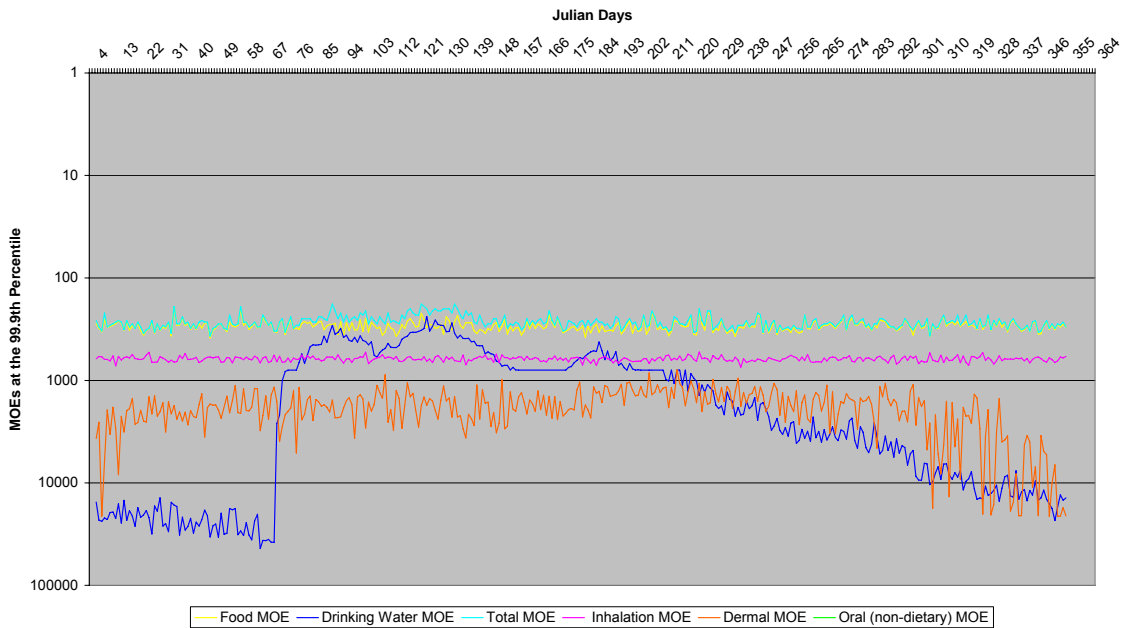
**Figure III.E 14**

**OP CRA Youths 13-19 REGION G Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile**



**Figure III.E 15**

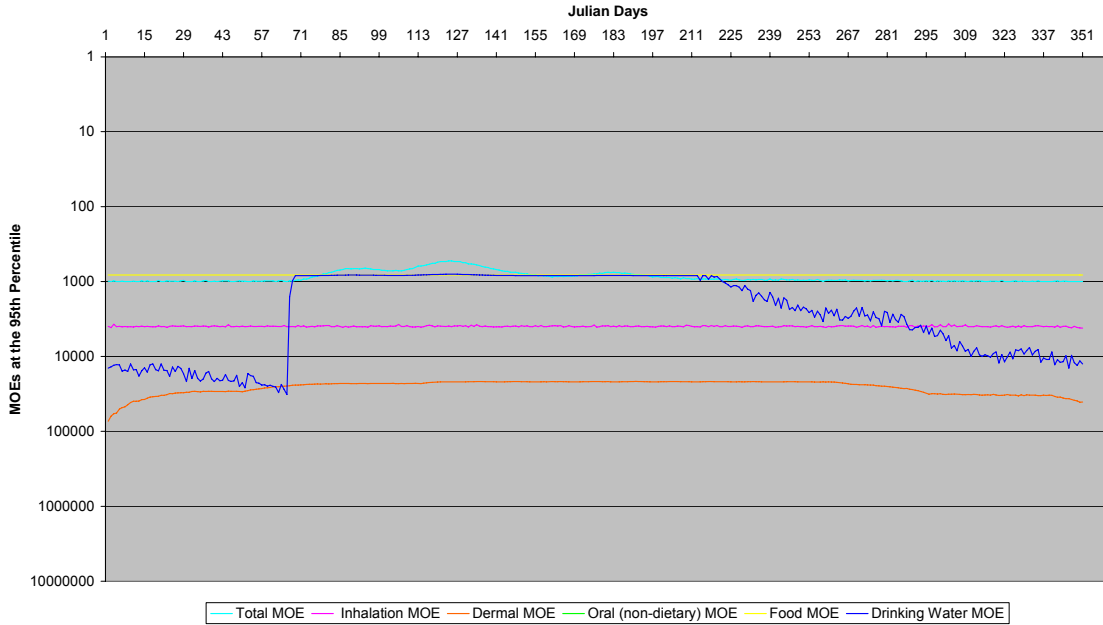
**OP CRA Youths 13-19 REGION G Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile**





**Figure III.E 16**

OP CRA Adults 20-49 REGION G Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile



**Figure III.E 17**

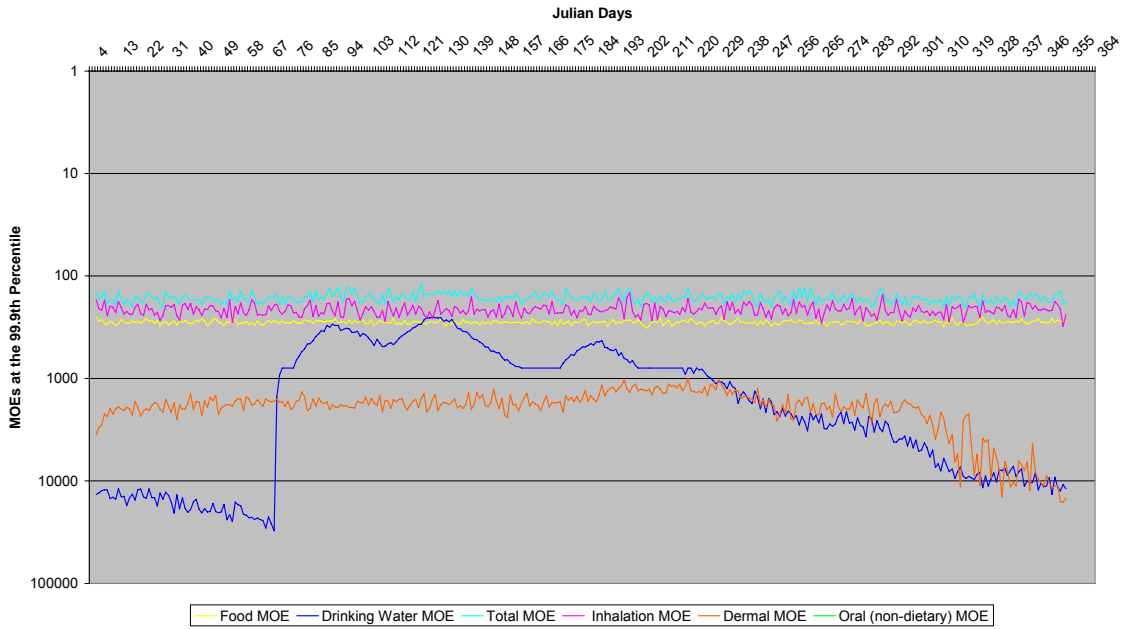
OP CRA Adults 20-49 REGION G Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile





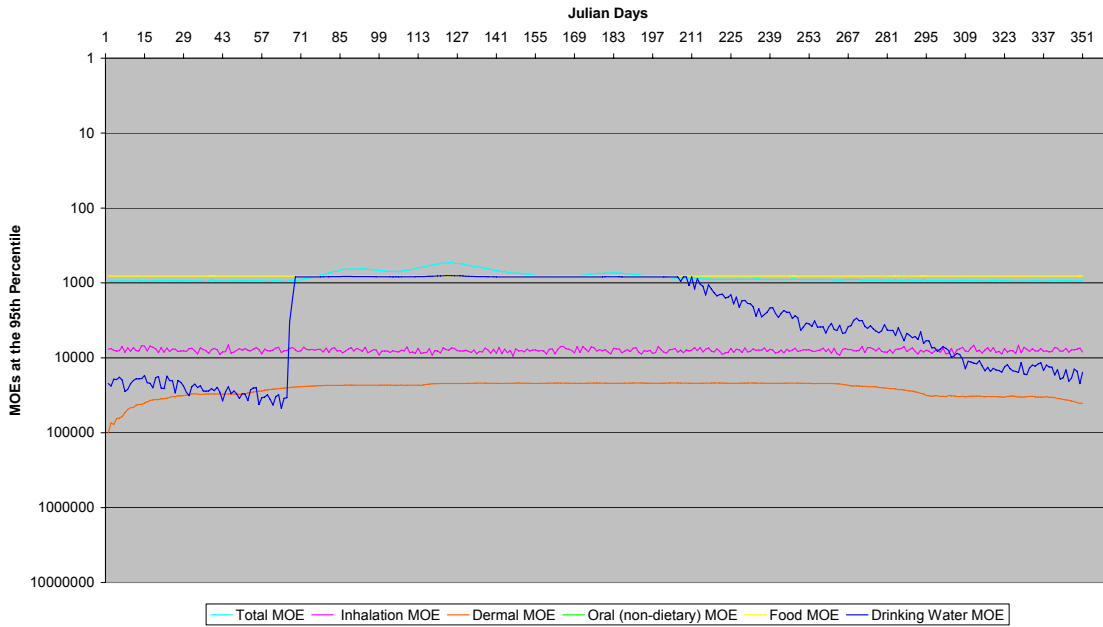
**Figure III.E 18**

OP CRA Adults 20-49 REGION G Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile



**Figure III.E 19**

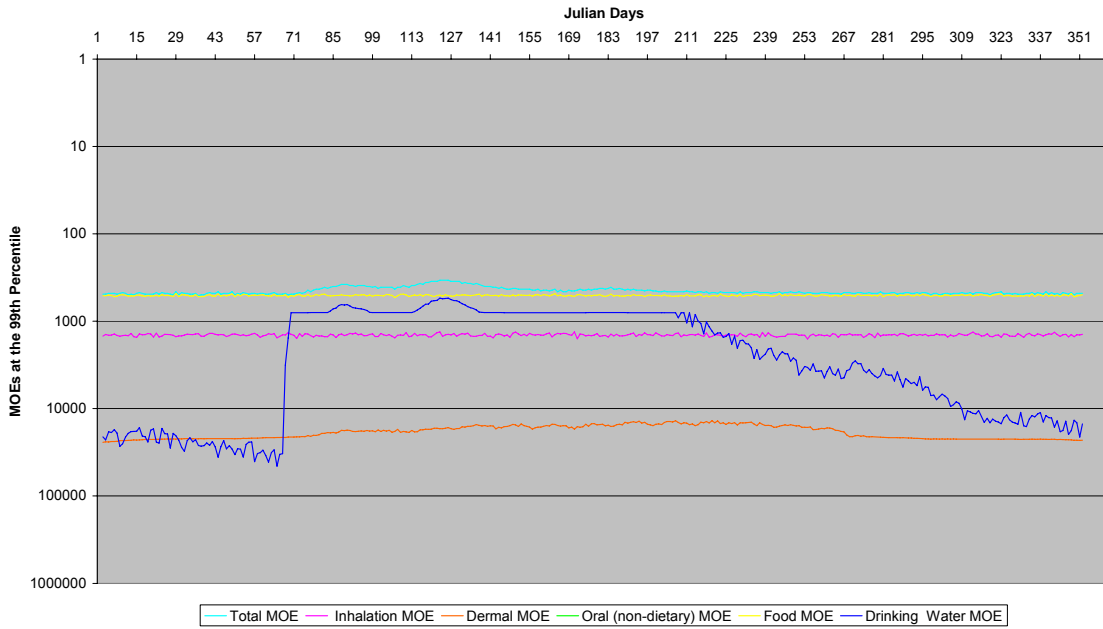
OP CRA Adults 50+ REGION G Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile





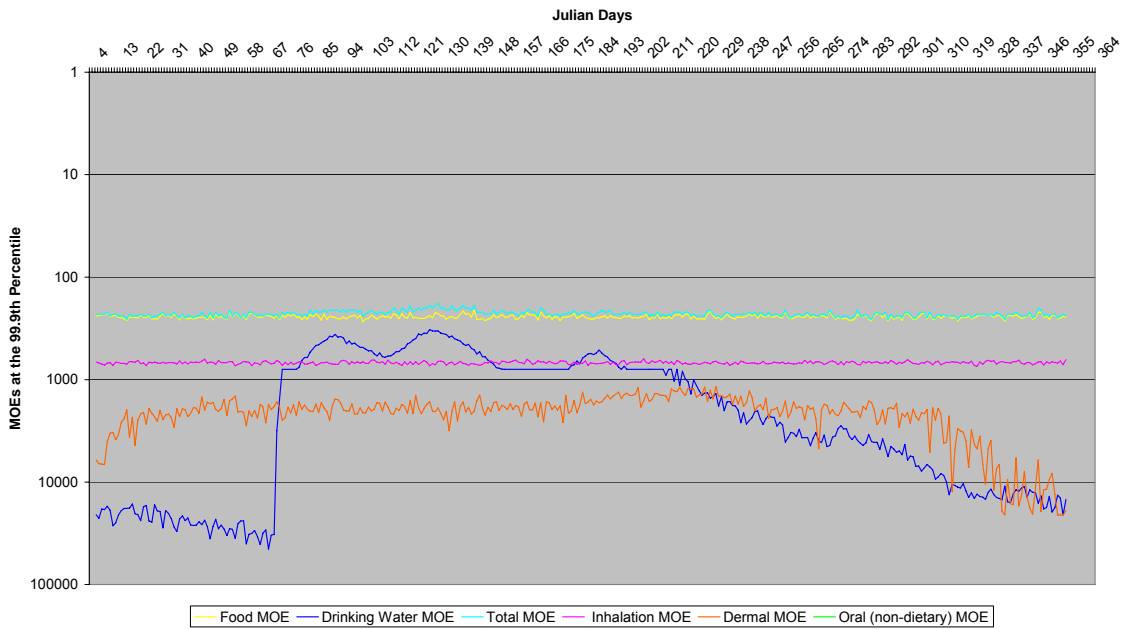
**Figure III.E 20**

OP CRA Adults 50+ REGION G Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile



**Figure III.E 21**

OP CRA Adults 50+ REGION G Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile

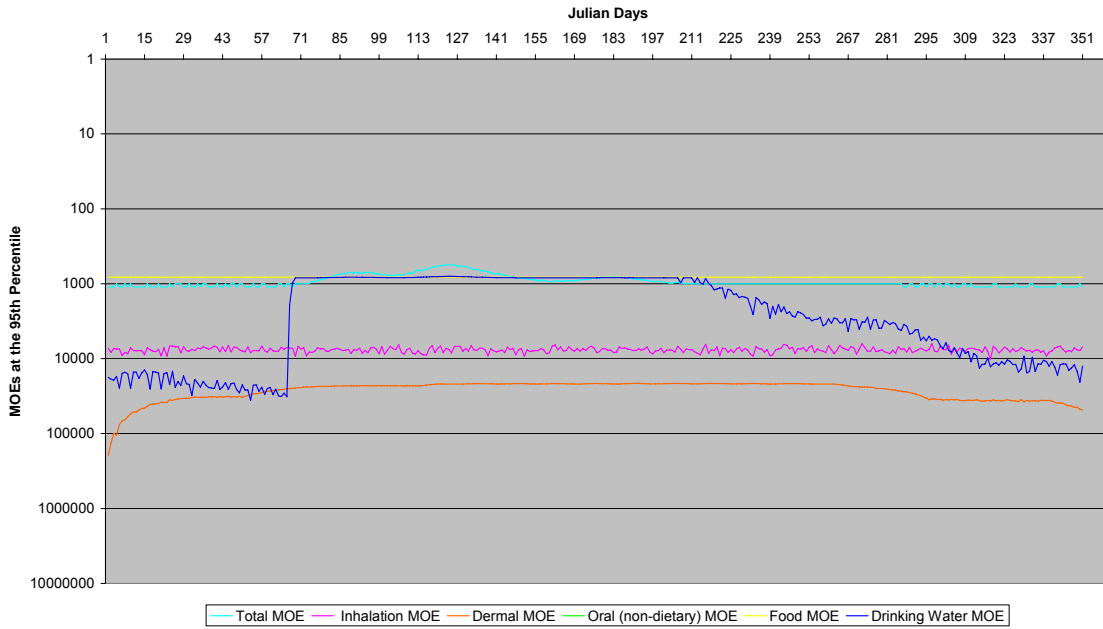






**Figure III.E 22**

OP CRA Females 13-49 REGION G Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 95th Percentile



**Figure III.E 23**

OP CRA Females 13-49 REGION G Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99th Percentile

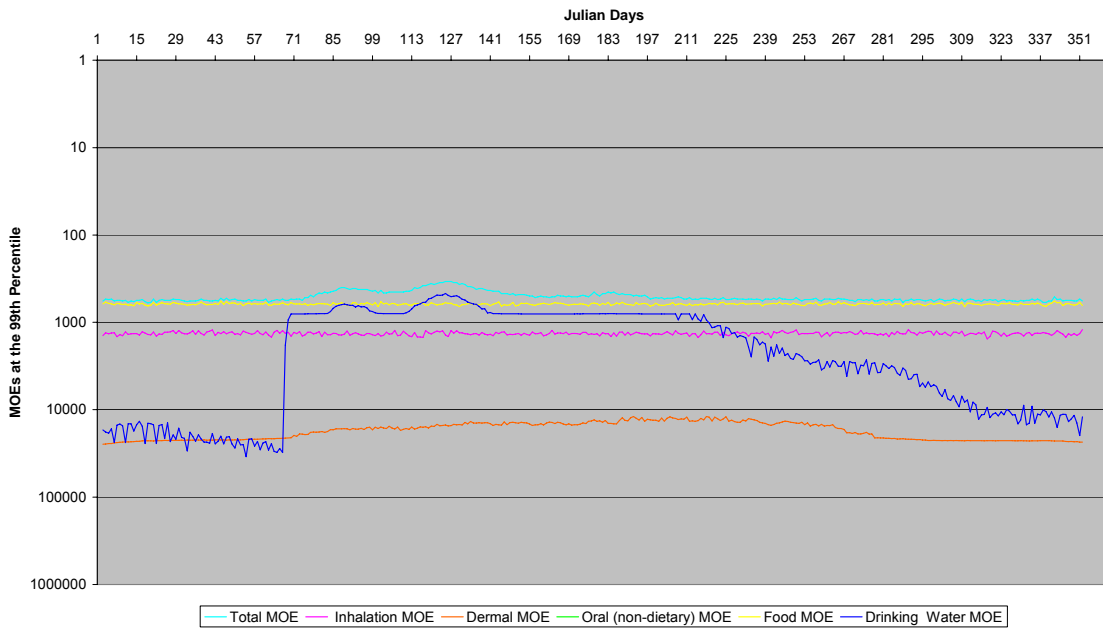




Figure III.E 24

OP CRA Females 13-49 REGION G Surface Water (NO OXON) 6-5-06 DDVP 21 Days;  
MOEs at the 99.9th Percentile

