

Data can also be found at <https://doi.org/10.7910/DVN/C1MYVN>

Table S1. Climatic parameters measured during the experiments.

Experiment	Climatic Parameters	Average	Standard Deviation
4 °C	Water Temperature °C	4.4	1.8
	Air Temperature °C	6.2	2.1
	Light Intensity Lumen/m ²	280	1600
	Wind Speed km/hr	14.5	8.2
	Salinity ppt	29.5	1.0
10 °C	Water Temperature °C	10.8	1.0
	Air Temperature °C	20.5	4.0
	Light Intensity Lumens/m ²	5000	16000
	Wind Speed km/hr	11.3	8.3
	Salinity ppt	29.0	0.7
15 °C	Water Temperature °C	15.3	0.5
	Air Temperature °C	19.4	4.1
	Light Intensity Lumens/m ²	310	1000
	Wind Speed km/hr	9.7	6.8
	Salinity ppt	29.3	0.4
25 °C	Water Temperature °C	25.6	3.2
	Air Temperature °C	22.0	2.6
	Light Intensity Lumens/m ²	3800	12000
	Wind Speed km/hr	7.3	5.4
	Salinity ppt	30.2	0.1

ppt-parts-per-thousands

Table S2. Averages and Standard Deviations for Density and Viscosity Measurements for each Experiment Conducted in Triplicate. Oil Slick Thickness was Fixed at ~1.5 mm. Time Zero represents unweathered oil. All physical measurements were taken at 15 °C for comparison purposes.

Experiment	Trial#	Time	Oil Slick Thickness	*Density g/cm ³	*Viscosity centistokes
		Hours	mm	Ave±Stdev	Ave±Stdev
4 °C	1	0		0.9247±0.0003	258±1
		6	1.3	0.9664±0.0016	5480±680
		24	1.6	0.9756±0.0002	10830±280
		48	1.5	0.9774±0.0001	16150±80
		72	1.5	0.9777±0.0002	16100±130
		96	1.4	0.9788±0.0001	18700±400
		168	1.5	0.9833±0.0003	31800±500
	2	0		0.9280±0.0046	310±40
		6	1.9	0.9714±0.0008	5980±90
		24	1.7	0.9760±0.0001	12070±410
		48	1.4	0.9760±0.0023	15350±390
		72	1.5	0.9775±0.0001	16010±90
		96	1.6	0.9784±0.0004	18580±310
		168	1.5	0.9851±0.0012	30760±910
	3	0		0.9283±0.0033	300±20
		6	1.6	0.9733±0.0001	6600±320
		24	1.5	0.9760±0.0023	13300±190
		48	1.5	0.9760±0.0023	14400±1050

Data can also be found at <https://doi.org/10.7910/DVN/C1MYVN>

Experiment	Trial#	Time	Oil Slick Thickness	*Density g/cm ³	*Viscosity centistokes
		Hours	mm	Ave±Stdev	Ave±Stdev
		72	1.5	0.9782±0.0012	15500±310
		96	1.6	0.9789±0.0001	18450±370
		168	1.5	0.9827±0.0002	28270±4200
10 °C	1	0		0.9248±0.0001	270±1
		6	1.9	0.9790±0.0001	17800±2400
		24	1.8	0.9836±0.0003	22500±5400
		48	1.5	0.9879±0.0008	59500±5700
		72	1.6	0.9825±0.0001	59500±5700
		96	1.8	0.9845±0.0005	81200±13700
		168	1.6	0.9897±0.0002	87900±1100
	2	0		0.9249±0.0006	270±2
		6	2.0	0.9792±0.0000	19140±1200
		24	1.5	0.9832±0.0002	29300±4400
		48	1.6	0.9871±0.0003	52900±6800
		72	1.6	0.9825±0.0000	52900±180
		96	1.8	0.9839±0.0006	62900±3100
		168	1.6	0.9893±0.0001	67800±8900
	3	0		0.9261±0.0003	280±5
		6	1.5	0.9792±0.0000	20140±70
		24	1.5	0.9815±0.0005	32600±4200
		48	1.7	0.9887±0.0011	58400±6700

Data can also be found at <https://doi.org/10.7910/DVN/C1MYVN>

Experiment	Trial#	Time	Oil Slick Thickness	*Density g/cm ³	*Viscosity centistokes
		Hours	mm	Ave±Stdev	Ave±Stdev
		72	1.6	0.9824±0.0002	58400±6700
		96	1.7	0.9829±0.0003	60700±2300
		168	1.6	0.9892±0.0003	73300±6200
15 °C	1	0		0.9254±0.0002	350±50
		6	2.0	0.9499±0.0023	20140±60
		24	1.8	0.9858±0.0000	30160±540
		48	1.5	0.9879±0.0001	46290±9400
		72	1.6	0.9880±0.0017	52500±7600
		96	1.7	0.9909±0.0000	97500±1500
		168	1.6	0.9926±0.0001	108980±3900
	2	0			
		6	1.5	0.9255±0.0002	290±2
		24	1.6	0.9415±0.0110	17800±2400
		48	1.6	0.9857±0.0000	29300±390
		72	1.5	0.9878±0.0001	52900±900
		96	1.6	0.9911±0.0002	86500±6800
		168	1.5	0.9931±0.0004	102390±11300
	3	0		0.9264±0.0002	290±10
		6	1.6	0.9329±0.0065	19140±1200
		24	1.5	0.9858±0.0000	32600±1700
		48	1.7	0.9877±0.0001	54000±1500

Data can also be found at <https://doi.org/10.7910/DVN/C1MYVN>

Experiment	Trial#	Time	Oil Slick Thickness	*Density g/cm ³	*Viscosity centistokes
		Hours	mm	Ave±Stdev	Ave±Stdev
		72	1.6	0.9861±0.0001	42900±1200
		96	1.5	0.9910±0.0001	66700±1200
		168	1.5	0.9915±0.0004	104900±13100
25 °C	1	0		0.9254±0.0002	350±50
		6	1.6	0.9785±0.0001	14000±2000
		24	1.5	0.9892±0.0001	65900±1400
		48	1.5	0.9922±0.0001	88400±8800
		72	1.5	0.9949±0.0001	168000±700
		96	1.6	0.9948±0.0001	174000±8000
		168	1.6	0.9994±0.0004	393000±28000
	2	0		0.9255±0.0002	290±2
		6	1.6	0.9787±0.0005	16300±50
		24	1.5	0.9821±0.0115	79800±3200
		48	1.6	0.9927±0.0006	108500±14500
		72	1.7	0.9944±0.0001	167000±600
		96	1.6	0.9947±0.0000	173000±5200
		168	1.5	0.9993±0.0001	275000±23000
	3	0		0.9264±0.0002	290±10
		6	1.5	0.9789±0.0000	16200±140
		24	1.6	0.9887±0.0001	61000±4200
		48	1.5	0.9935±0.0000	113000±14000

Data can also be found at <https://doi.org/10.7910/DVN/C1MYVN>

Experiment	Trial#	Time	Oil Slick Thickness	*Density g/cm ³	*Viscosity centistokes
		Hours	mm	Ave±Stdev	Ave±Stdev
		72	1.6	0.9946±0.0001	160500±5300
		96	1.5	0.9948±0.0001	172000±1100
		168	1.6	0.9998±0.0001	368500±3800

Ave-Average, Stdev-Standard Deviation. Density and viscosity measurements were performed in triplicate for each time point within a trial.

Table S3. Parameter values (' T ' and ' n ') of the density and viscosity models, Eqs. 1 and 2, fitted to the empirical data for the weathering of different oils. R^2 -coefficient of determination and ρ_0 , ρ_f , ν_0 and ν_f represent the initial and final density and viscosity values, respectively.

Oil (thickness, water temperature)	Initial; Final Values	T (hr)	n	R^2
Density				
CLB (1.5 mm, 4 °C)	$\rho_0 = 0.9270; \rho_f = 0.9832$	120	0.086	0.99
CLB (1.5 mm, 10 °C)	$\rho_0 = 0.9253; \rho_f = 0.9894$	180	0.049	0.99
CLB (1.5 mm, 15 °C)	$\rho_0 = 0.9258; \rho_f = 0.9924$	195	0.48	0.96
CLB (1.5 mm, 25 °C)		220	0.082	0.99
Viscosity				
CLB (1.5 mm, 4 °C)	$\nu_0 = 290; \nu_f = 30282$	65	0.74	0.89
CLB (1.5 mm, 10 °C)	$\nu_0 = 271; \nu_f = 76331$	107	0.17	0.95
CLB (1.5 mm, 15 °C)	$\nu_0 = 311; \nu_f = 105422$	220	0.16	0.89
CLB (1.5 mm, 25 °C)	$\nu_0 = 311; \nu_f = 345456$	329	0.10	0.85

Data can also be found at <https://doi.org/10.7910/DVN/C1MYVN>

Table S4. Correlation of controlled and uncontrolled factors effecting changes in the density of weathered Cold Lake Diluted bitumen. The highlighted columns represent those factors that have influenced change in density. FTH-film thickness, W spd-wind speed, H2O-water.

							Density					
	<i>W Spd</i>	<i>Salinity</i>	<i>FTH</i>	<i>H2O T</i>	<i>Light</i>	<i>Air T</i>	<i>6 hr</i>	<i>24 hr</i>	<i>48 hr</i>	<i>72 hr</i>	<i>96 hr</i>	<i>168 hr</i>
W Spd	1.00											
Salinity	-0.54	1.00										
FTH	#DIV/0!	#DIV/0!	1.00									
H2O T	-0.98	0.69	#DIV/0!	1.00								
Light	-0.42	0.03	#DIV/0!	0.39	1.00							
Air T	-0.88	0.11	#DIV/0!	0.79	0.64	1.00						
6 hr	-0.57	0.17	#DIV/0!	0.56	0.98	0.73	1.00					
24 hr	-0.96	0.28	#DIV/0!	0.88	0.39	0.95	0.52	1.00				
48 hr	-0.96	0.32	#DIV/0!	0.90	0.61	0.98	0.73	0.96	1.00			
72 hr	-0.94	0.37	#DIV/0!	0.88	0.18	0.85	0.33	0.97	0.89	1.00		
96 hr	-0.98	0.57	#DIV/0!	0.96	0.22	0.80	0.39	0.94	0.89	0.97	1.00	
168 hr	-0.99	0.63	#DIV/0!	1.00	0.44	0.84	0.59	0.92	0.93	0.90	0.97	1.00

Data can also be found at <https://doi.org/10.7910/DVN/C1MYVN>

Table S5. Correlation of controlled and uncontrolled factors effecting changes in the viscosity of weathered Cold Lake Diluted Bitumen. The highlighted columns represent those factors that have influenced change in viscosity. FTH-film thickness, W spd-wind speed, H2O-water.

							Viscosity					
	<i>W Spd</i>	<i>Salinity</i>	<i>FTH</i>	<i>H2O T</i>	<i>Light</i>	<i>Air T</i>	<i>6 hr</i>	<i>24 hr</i>	<i>48 hr</i>	<i>72 hr</i>	<i>96 hr</i>	<i>168 hr</i>
W Spd	1											
Salinity	-0.537	1										
FTH	#DIV/0!	#DIV/0!	1.00									
H2O T	-0.98	0.69	#DIV/0!	1.00								
Light	-0.42	0.03	#DIV/0!	0.39	1.00							
Air T	-0.88	0.11	#DIV/0!	0.79	0.64	1.00						
6 hr	-0.55	-0.08	#DIV/0!	0.48	0.95	0.81	1.00					
24 hr	-0.93	0.76	#DIV/0!	0.98	0.50	0.73	0.52	1.00				
48 hr	-0.86	0.82	#DIV/0!	0.94	0.51	0.64	0.49	0.99	1.00			
72 hr	-0.87	0.78	#DIV/0!	0.94	0.55	0.68	0.54	0.99	1.00	1.00		
96 hr	-0.96	0.71	#DIV/0!	0.99	0.48	0.78	0.53	0.99	0.97	0.97	1.00	
168 hr	-0.88	0.85	#DIV/0!	0.95	0.42	0.62	0.41	0.99	0.99	0.99	0.97	1

Data can also be found at <https://doi.org/10.7910/DVN/C1MYVN>

Table S6. The Ln[hopane normalized concentrations] at the various water temperatures and results of trendlines of the Ln[hopane normalized concentrations] versus time. R²-coefficient of determination, Hr-hour, Temp- temperature, HC- hydrocarbon, Nap-naphthalene, Me-methyl, Acn-acenaphthene, Ace-acenaphthylene, Flu-fluorene, Phen-phenanthrene, Ant-anthracene, F-fluoranthene, P-pyrene, B[a]Ant- benz[a]anthracene, Chyr- chylene, B[a]F- benzo[a]fluoranthene, B[k]F- benzo[k]fluoranthene, B[e]P- benzo[e]Pyrene, B[a]P- benzo[a]pyrene, Pery- perylene, I[1,2,3-cd]Pery- indeno[1,2,3-cd]perylene, DiB[a,h]Ant- Dibenz[a,h]anthracene, B[g,h,i]Pery- benzo[g,h,i]perylene.

Hr	0	48	168	0	48	168	0	48	168	0	48	168	Linear Trendlines			
Temp	4 °C			10 °C			15 °C			25 °C			4 °C	10 °C	15 °C	25 °C
HC	Ln[hopane normalized concentrations]												Ln [Hopane normalized concentration] versus time			
C ₁₀	1.4	0.8	0.8	1.4	0.3	0.1	1.4	0.2	0.1	1.4	0.6	1.8	no	yes, R²=0.88	yes, R²=0.88	yes, R²=0.97
C ₁₁	1.3	0.8	0.8	1.3	0.4	0.4	1.3	0.4	0.2	1.3	0.4	1.2	no	no	yes, R²=0.91	yes, R²=0.96
C ₁₂	0.8	0.7	0.7	0.8	0.5	0.2	0.8	0.4	0.1	0.8	0.2	1.0	no	yes, R²=0.99	yes, R²=0.96	yes, R²=0.99
C ₁₃	1.0	0.7	0.6	1.0	0.4	0.4	1.0	0.3	0.2	1.0	0.2	0.3	no	no	no	yes, R²=0.99
C ₁₄	0.7	0.7	0.7	0.7	0.5	0.3	0.7	0.4	0.4	0.7	0.2	0.0	no	no	no	yes, R²=0.94
C ₁₅	0.6	0.6	0.6	0.6	0.4	0.3	0.6	0.4	0.3	0.6	0.1	0.1	no	no	no	no
C ₁₆	0.7	0.4	0.3	0.7	0.4	0.3	0.7	0.3	0.2	0.7	0.2	0.2	no	no	no	no
C ₁₇	0.5	0.4	0.4	0.5	0.5	0.3	0.5	0.1	0.1	0.5	0.1	0.1	no	no	no	no
pristane	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	no	no	no	no
C ₁₈	0.3	0.2	0.2	0.3	0.2	0.2	0.3	0.1	0.0	0.3	0.0	0.0	no	no	no	no
phytane	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.1	no	no	no	no
C ₁₉	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.0	0.2	0.1	0.1	no	no	no	no
C ₂₀	0.2	0.1	0.1	0.2	0.0	0.1	0.2	0.1	0.1	0.2	0.1	0.1	no	no	no	no
C ₂₁	0.2	0.1	0.1	0.2	0.1	0.3	0.2	0.0	0.3	0.2	0.0	0.2	no	no	no	no
C ₂₂	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.2	0.3	0.1	0.2	0.1	no	no	no	no
C ₂₃	0.2	0.1	0.1	0.2	0.2	0.4	0.2	0.3	0.2	0.2	0.3	0.2	no	no	no	no
C ₂₄	0.1	0.2	0.2	0.1	0.3	0.4	0.1	0.3	0.2	0.1	0.2	0.2	no	no	no	no
C ₂₅	0.0	0.1	0.2	0.0	0.3	0.5	0.0	0.3	0.4	0.0	0.4	0.3	no	no	no	no
C ₂₆	0.0	0.2	0.1	0.0	0.3	0.4	0.0	0.4	0.5	0.0	0.3	0.5	no	no	no	no
C ₂₇	0.0	0.2	0.2	0.0	0.5	0.7	0.0	0.6	0.4	0.0	0.6	0.5	no	no	no	no
C ₂₈	0.3	0.3	0.2	0.3	0.6	0.7	0.3	0.6	0.4	0.3	0.6	0.6	no	no	no	no
C ₂₉	0.5	0.5	0.5	0.5	0.6	0.8	0.5	0.8	0.6	0.5	0.6	0.7	no	no	no	no

Data can also be found at <https://doi.org/10.7910/DVN/C1MYVN>

C ₃₀	1.2	1.2	1.3	1.2	1.3	1.3	1.2	1.3	1.7	1.2	1.4	1.4	no	no	no	no
C ₃₁	1.3	1.4	1.4	1.3	1.6	1.6	1.3	1.5	1.9	1.3	1.5	1.6	no	no	no	no
C ₃₂	1.6	1.9	1.9	1.6	1.9	1.8	1.6	1.9	2.2	1.6	1.8	1.8	no	no	no	no
C ₃₃	-	-	-	-	-	-	-	-	-	-	-	-	no	no	no	no
C ₂₄	1.8	2.3	2.2	1.8	2.1	1.9	1.8	2.1	2.6	1.8	1.8	2.1	no	no	no	no
C ₃₅	-	-	-	-	-	-	-	-	-	-	-	-	no	no	no	no
C ₂₄	2.0	2.5	2.3	2.0	2.1	2.2	2.0	2.1	2.1	2.0	2.3	2.3	no	no	no	no
C ₃₅	2.4	Na	Na	2.4	Na	Na	2.4	Na	Na	2.4	Na	Na	no	no	no	no
Nap	1.6	2.4	2.5	1.6	2.8	2.9	1.6	2.8	3.6	1.6	3.4	Na	no	no	yes, R ² =0.99	no
1-MeNap	0.9	1.4	1.4	0.9	1.9	1.8	0.9	1.7	2.1	0.9	1.9	2.5	no	no	yes, R ² =0.96	yes, R ² =0.99
MeNap	0.4	1.1	1.1	0.4	1.4	1.2	0.4	1.1	1.7	0.4	1.3	2.0	no	no	yes, R ² =0.99	yes, R ² =0.99
2,6-DiMeNap	0.6	0.6	0.7	0.6	1.0	1.0	0.6	0.9	1.1	0.6	1.0	1.3	no	no	yes, R ² =0.94	yes, R ² =0.99
DiMeNap	0.3	0.1	0.0	0.3	0.2	0.1	0.3	0.1	0.3	0.3	0.1	0.4	no	no	yes, R ² =0.98	yes, R ² =0.99
2,3,5-TriMeNap	0.3	0.3	0.3	0.3	0.7	0.6	0.3	0.6	0.6	0.3	0.5	0.7	no	no	no	yes, R ² =0.99
TriMeNap	0.9	0.8	0.7	0.9	0.7	0.7	0.9	0.7	0.5	0.9	0.7	0.5	no	no	yes, R ² =0.99	yes, R ² =0.99
TetraMeNap	1.0	0.9	0.7	1.0	0.7	0.7	1.0	0.8	0.6	1.0	0.8	0.6	no	no	yes, R ² =0.98	yes, R ² =0.99
Acn	3.2	2.3	2.3	3.2	3.5	3.4	3.2	3.4	3.1	3.2	3.5	3.7	no	no	no	yes, R ² =0.99
Ace	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	no	no	no	no
Flu	2.0	2.4	2.4	2.0	2.5	2.5	2.0	2.5	2.3	2.0	2.4	2.6	no	no	no	yes, R ² =0.99
MeFlu	0.9	0.9	1.0	0.9	0.9	1.1	0.9	1.1	0.9	0.9	1.1	1.1	no	no	no	no
DiMeFlu	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	no	no	no	no
TriMeFlu	0.3	0.2	0.1	0.3	0.0	0.1	0.3	0.1	0.2	0.3	0.1	0.1	no	no	no	no
DBT	1.6	1.5	1.6	1.6	1.7	1.7	1.6	1.7	1.6	1.6	1.7	1.7	no	no	no	no
MeDBT	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.2	0.1	0.1	0.1	no	no	no	no
DiMeDBT	0.8	0.8	0.7	0.8	0.6	0.8	0.8	0.7	0.8	0.8	0.7	0.7	no	no	no	no
TriMeDBT	0.9	0.8	0.7	0.9	0.7	0.7	0.9	0.8	0.8	0.9	0.8	0.7	no	no	no	no
TetraMeDBT	0.6	0.5	0.5	0.6	0.5	0.6	0.6	0.5	0.5	0.6	0.5	0.5	no	no	no	no
Phen	1.0	1.1	1.1	1.0	1.2	1.2	1.0	1.2	1.1	1.0	1.2	1.2	no	no	no	no
Ant	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	no	no	no	no
MePhen	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.1	0.1	no	no	no	no
2-MePhen	1.1	1.2	1.2	1.1	1.4	1.1	1.1	1.2	1.2	1.1	1.2	1.2	no	no	no	no
DiMePhen	0.5	0.5	0.4	0.5	0.3	0.4	0.5	0.4	0.5	0.5	0.4	0.5	no	no	no	no
3,6-DiMePhen	2.2	1.9	1.9	2.2	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	no	no	no	no
TriMePhen	0.7	0.6	0.5	0.7	0.5	0.6	0.7	0.6	0.7	0.7	0.6	0.6	no	no	no	no
TetraMePhen	0.3	0.1	0.0	0.3	0.1	0.1	0.3	0.1	0.2	0.3	0.2	0.1	no	no	no	no
F	3.4	2.7	2.7	3.4	3.5	3.5	3.4	3.5	3.1	3.4	3.5	3.4	no	no	no	no

Data can also be found at <https://doi.org/10.7910/DVN/C1MYVN>

P	3.2	2.7	2.7	3.2	3.2	3.0	3.2	3.1	3.0	3.2	2.8	3.0	no	no	no	no
MeP	1.3	1.1	1.2	1.3	1.5	1.4	1.3	1.4	0.9	1.3	1.4	1.4	no	no	no	no
DiMeP	0.7	0.8	0.9	0.7	1.1	0.9	0.7	0.8	0.8	0.7	1.0	1.0	no	no	no	no
TriMeP	0.4	0.8	0.8	0.4	0.6	0.6	0.4	0.6	0.5	0.4	0.6	0.6	no	no	no	no
TetraMeP	0.4	0.6	0.7	0.4	0.5	0.5	0.4	0.6	0.5	0.4	0.5	0.5	no	no	no	no
NaphBT	2.3	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.2	2.3	2.3	2.3	no	no	no	no
MeNaphBT	0.7	0.5	0.4	0.7	0.7	0.7	0.7	0.8	0.5	0.7	0.7	0.7	no	no	no	no
DiMeNaphBT	0.2	0.1	0.2	0.2	0.3	0.3	0.2	0.4	0.2	0.2	0.3	0.4	no	no	no	no
TriMeNaphBT	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.3	no	no	no	no
TetraMeNaphBT	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.6	0.7	0.7	no	no	no	no
B[a]Ant	3.3	2.4	2.4	3.3	3.5	3.6	3.3	3.6	2.8	3.3	3.7	3.7	no	no	no	no
Chry	2.5	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.7	2.5	2.5	2.5	no	no	no	no
MeChry	1.4	1.4	1.5	1.4	1.5	1.5	1.4	1.6	1.5	1.4	1.5	1.5	no	no	no	no
DiMeChry	0.8	0.7	1.0	0.8	1.0	0.9	0.8	1.1	1.0	0.8	1.0	1.0	no	no	no	no
TriMeChry	1.0	1.2	1.2	1.0	1.1	1.2	1.0	1.2	1.0	1.0	1.2	1.2	no	no	no	no
TetraMeChry	1.1	1.4	1.4	1.1	1.2	1.3	1.1	1.3	1.3	1.1	1.3	1.3	no	no	no	no
B[a]F	3.6	3.1	3.0	3.6	3.5	3.4	3.6	3.6	2.8	3.6	3.5	3.5	no	no	no	no
B[k]F	3.4	Na	Na	3.4	Na	Na	3.4	Na	Na	3.4	Na	Na	no	no	no	no
B[e]P	3.6	3.4	3.4	3.6	Na	3.7	3.6	3.8	3.6	3.6	Na	Na	no	no	no	no
B[a]P	3.6	Na	Na	3.6	Na	Na	3.6	Na	Na	3.6	Na	Na	no	no	no	no
Pery	3.7	3.4	3.5	3.7	3.3	3.3	3.7	3.3	Na	3.7	3.3	3.3	no	no	no	no
I[1,2,3-cd]P	3.5	Na	Na	3.5	Na	Na	3.5	Na	2.8	3.5	Na	Na	no	no	no	no
DiB[a,h]Ant	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	no	no	no	no
B[ghi]Pery	3.6	Na	Na	3.6	Na	Na	3.6	Na	3.3	3.6	Na	Na	no	no	no	no