Product Composition ***Low_Boiling_Point_Naphthas(Gasolines)_PETRORISK_v6***

NOTES

	Estimated Vapor Pressure (Pa)	Esimated Water Solubility (mg/L)	STP Removal Efficiency (%)	Emitted to Air through STP (%)
ESTIMATED	3.4E+04	1.8E+02	95.5	45.5

			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			n-P	i-P	n-CC5	n-CC6	i-N	Di-N	n-Olefins	i-Olefins	Poly-N	AlS	MoAr	NMAr	DiAr	NDiAr	PolyAr	ArS
Block	C#i (>=)	C#f (<)	(weight %)	(weight %)	(weight %)	(weight %)	(weight %)	(weight %)	(weight %)	(weight %)	(weight %)	(weight %)	(weight %)	(weight %)	(weight %)	(weight %)	(weight %)	(weight %)
1	3	6	5.7E+00	1.1E+01	0.0E+00	0.0E+00	4.6E-01	0.0E+00	1.9E+00	2.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
2	6	9	4.3E+00	2.0E+01	0.0E+00	8.4E-01	4.0E+00	0.0E+00	1.3E+00	5.9E+00	0.0E+00	0.0E+00	2.8E+01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
3	9	12	2.8E-01	1.5E+00	0.0E+00	0.0E+00	2.5E-01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	1.1E+01	0.0E+00	3.4E-01	0.0E+00	0.0E+00	0.0E+00
4	12	15	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	7.2E-02	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
5	15	18																
6	18	21																
7	21	24																
8	24	27																
9	27	30																
10	30	>30	1.8E-01															
		Sum:	100.00															

Range of logKow by block

			1			2			3			4			5			6			7			8			9			10			11			12			13			14			15			16		
			n-P			i-P			n-CC5			n-CC6			i-N			Di-N			n-Olefins			i-Olefins			Poly-N			AlS			Mono-Ar			Nmono-Ar			Di-Ar			Ndi-Ar			Poly-Ar			Ar-S		
Block	C#i (>=)	C#f (<)	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max
1	3	6	2.6	2.9	3.1	2.7	2.9	3.1	2.3	2.4	2.6	--	--	--	--	--	--	--	--	--	2.4	2.6	2.8	2.3	2.5	2.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2	6	9	3.6	4.2	4.8	3.7	4.3	4.8	2.8	3.9	4.4	3.1	4.0	4.3	4.3	4.3	4.3	3.3	3.6	3.9	3.4	4.2	4.6	3.4	4.1	4.5	--	--	--	2.6	2.6	2.6	2.0	2.8	3.0	--	--	--	--	--	--	--	--	--	--	--	--	2.8	2.9	3.0
3	9	12	5.3	5.9	6.4	5.2	5.9	6.4	4.8	5.3	6.0	4.8	5.3	6.0	4.8	5.4	6.0	4.4	4.7	5.5	5.1	5.7	6.3	5.0	5.7	6.2	--	--	--	3.0	3.4	3.9	3.4	4.0	4.7	2.9	3.5	4.0	3.3	3.6	3.8	--	--	--	--	--	--	3.3	3.7	4.1
4	12	15	7.0	7.5	8.1	6.8	7.5	8.1	6.4	6.8	7.7	6.5	7.1	7.6	6.5	7.1	7.7	6.0	6.7	7.3	6.8	7.4	8.0	6.7	7.3	7.9	6.7	6.7	6.7	3.8	4.3	4.9	4.7	5.5	6.3	4.2	4.8	5.6	4.1	4.7	5.3	3.9	4.5	4.8	3.7	4.3	4.7	4.2	4.9	5.6
5	15	18																																																
6	18	21																																																
7	21	24																																																
8	24	27																																																
9	27	30																																																
10	30	32	17.1	18.6	20.4																																													

Product Lifecycle Information *Low Boiling Point Naphthas (Gasolines) PETRORISK v6*

NOTES

Entry	Lifestage	Petrorisk ID #	GES #	EU Tonnage T/yr	Assumed Fraction Regional	Emission Factors (see 'SPERCs') Air EF %	Water EF %	Soil EF %	Max Local Site Tonnage T/yr	Local Assumed Operating Conditions Duration of Site Operation days	Wastewater Flow m3/d	Dilution Factor Rivers	Dilution Factor Marine	Sludge Application	Efficiency of Air Removal controls for reference only does not affect calc	Additional comments Source of Emission Factors
1	Manufacture of substances: Industrial (SU8, SU9)	1	1 Ind	1.87E+08	0.1	4.9E-02	5.3E-02	1.0E-02	6.00E+05	300	10000	10	100	N	90	
2	Use as Intermediate: Industrial (SU8, SU9)	2	1A Ind	2.21E+07	0.1	5.0E-01	3.0E-01	1.0E-01	1.50E+04	300	2000	10	100	N	80	
3	Distribution: Industrial (SU3)	3	1B Ind	1.87E+08	0.1	1.0E-02	1.0E-03	1.0E-03	3.75E+04	300	2000	10	100	N	90	
4	Formulation & packing of preparations and mixture	4	2 Ind	1.65E+08	0.1	1.1E+00	2.0E-01	1.0E-02	3.00E+04	300	2000	10	100	N	0	
5	Uses in Coatings: Industrial (SU3)	5	3 Ind	6.17E+04	0.1	5.8E+00	7.0E-01	0.0E+00	6.17E+03	300	2000	10	100	N	90	
6	Uses in Coatings: Professional (SU22)	6	3 Pro	6.13E+04	0.1	9.8E+01	1.0E+00	1.0E+00	3.06E+00	365	2000	10	100	Y	N/A	
7	Use in Cleaning Agents: Industrial (SU3)	8	4 Ind	5.12E+03	0.1	3.0E+01	3.0E-03	0.0E+00	1.00E+02	20	2000	10	100	N	70	
8	Use in Cleaning Agents: Professional (SU22)	9	4 Pro	3.60E+03	0.1	2.0E+00	1.0E-04	0.0E+00	1.80E-01	365	2000	10	100	Y	n/a	
9	Use in Cleaning Agents: Consumer (SU21)	10	4 Con	8.54E+03	0.1	9.5E+01	2.5E+00	2.5E+00	4.27E-01	365	2000	10	100	Y	N/A	
10	Use as a fuel: Industrial (SU3)	27	12 Ind	1.38E+07	0.1	3.1E-02	1.0E-03	0.0E+00	1.38E+06	300	2000	10	100	N	95	
11	Use as a fuel: Professional (SU22)	28	12 Pro	1.19E+07	0.1	1.0E+00	1.0E-03	1.0E-03	5.95E+02	365	2000	10	100	Y	N/A	
12	Use as a fuel: Consumer (SU21)	29	12 Con	1.39E+08	0.1	1.0E+00	1.0E-03	1.0E-03	6.97E+03	365	2000	10	100	Y	N/A	
13	Rubber production and processing: Industrial (SU1	41	19 Ind	9.36E+02	0.1	1.0E+00	3.0E-01	1.0E-02	9.36E+01	20	2000	10	100	N	0	
14	Engine Fuel Combustion: Industrial	49	24 Ind	1.38E+07	0.1	1.0E-01	0.0E+00	0.0E+00		20	2000	10	100	N	80	
15	Engine Fuel Combustion: Professional	50	24 Pro	1.19E+07	0.1	5.0E-01	0.0E+00	0.0E+00		365	2000	10	100	Y	N/A	
16	Engine Fuel Combustion: Consumer	51	24 Con	1.39E+08	0.1	5.0E-01	0.0E+00	0.0E+00		365	2000	10	100	Y	N/A	

Apply Sediment Assessment Factor of 10 for chemicals with logKow>5?

N

Assumed TOC (%)

Sediment	5
Soil	2
fraction solids	0.2

Site-Specific Production   Low_Boiling_Point_Naphthas (Gasolines)_PETRORISK_v6

Generic exposure scenario for production

Max Local Site Tonnage T/yr	Emission Factors: Air EF %	Water EF %	Soil EF %	Local Default Operating Conditions: Duration of Site Operation days	Wastewater flow m3/d	Dilution Factor River	Dilution Factor Marine	Sludge Application	Default removal efficiency (%)
6.00E+05	0.049019608	5.34E-02	0.01	300	10000	10	100	N	9.55E+01

PEC Effluent mg/L	PEC Fresh Water mg/L	PEC Fresh Water Sediment mg/kgw	PEC Marine Water mg/L	PEC Marine Sediment mg/kgw	PEC Natural Soil mg/kgw	PEC Air mg/m3	PEC Sludge mg/kgw	PEC Ground water mg/L	PEC Fish mg/kgw	PEC Leaf mg/kgw	PEC Root mg/kgw	PEC Meat mg/kgw	PEC Milk mg/kgw	PEC Drinking Water mg/L	PEC fish.oral mg/kgw	PEC predator.oral mg/kgw	PEC worm.oral mg/kgw
4.96E+00	4.96E-01	2.58E+00	4.96E-02	2.58E-01	8.50E-04	2.46E-01	4.68E+03	2.09E-04	1.04E+01	9.27E-04	1.08E-03	1.17E-03	5.55E-04	2.04E-01	5.19E+00	1.06E-01	6.05E-04

RCR Effluent	RCR Fresh Water	RCR Fresh Water Sediment	RCR Marine Water	RCR Marine Sediment	RCR Natural Soil	RCR fish.oral	RCR predator.oral	RCR worm.oral	HI Inhalation ug/kg/d	HI Indirect Dose ug/kg/d	Total HI Total ug/kg/d	HI - RCR Inhalation	HI - RCR Indirect Dose	HI - RCR Total
5.07E-01	7.92E-01	9.09E-01	7.92E-02	9.09E-02	1.44E-03	0.0E+00	0.0E+00	0.0E+00	7.03E+01	2.29E+01	9.32E+01	7.03E-01	2.29E-01	9.32E-01

Scaled Local Site-Specific Refinery Assessments

Please refer to the registrant's IUCLID section 3.3 (Other IT identifiers) for the identification of the refinery code.

refinery code	SubstanceProduction T/yr	Feedstock throughput T/yr	WWTP flow m3/d	TPH in effluent mg/L	Receiving water type. Specify 'Riverine' or 'Marine' only.	Capped Dilution factor	Reported Dilution factor	Final Wastewater Treatment On-Site ? Y/N	Required TPH removal (%)
1.00	1.5E+06	9.4E+06	1.8E+04	1.8E-01	Riverine	1000	2044	Y	
2.00	3.2E+06	1.7E+07	3.0E+04	3.6E+00	Marine	448	448	Y	
2.01	4.7E+05	8.1E+06	5.4E+04	5.0E-02	Riverine	290	290	Y	
2.03	0.0E+00	1.4E+06	1.1E+03	1.1E+00	Marine	100	100	Y	
2.04	1.6E+06	1.5E+07	5.3E+03	5.0E-01	Riverine	1000	1554	Y	
3.00	7.9E+05	2.9E+06	2.0E+03	1.4E-01	Marine	100	100	N	
3.01	1.4E+06	5.0E+06	4.1E+03	1.4E+00	Marine	100	100	Y	
4.00	4.0E+06	8.9E+06	1.3E+04	1.2E-01	Marine	100	100	Y	
4.01	9.6E+05	2.4E+06	4.2E+03	3.0E-01	Marine	100	100	Y	
5.00	3.5E+05	5.7E+06	2.1E+04	2.0E-01	Marine	100	100	Y	
5.02	2.5E+06	9.3E+06	4.3E+03	1.1E+00	Marine	1000	19212	Y	
5.03	8.1E+05	5.4E+06	9.6E+03	2.1E+00	Riverine	1000	8967	Y	
5.04	1.5E+06	3.8E+06	7.7E+02	1.2E+00	Riverine	1000	23553	Y	
5.05	7.3E+06	1.1E+07	3.4E+04	5.0E-02	Marine	100	100	Y	
5.06	4.4E+05	3.4E+06	3.7E+04	1.5E-01	Riverine	1000	1111	Y	
5.07	7.1E+05	5.9E+06	8.3E+03	5.9E-01	Marine	100	100	Y	
5.08	7.2E+05	5.8E+06	1.8E+05	5.0E-01	Riverine	1000	4279	Y	
5.10	1.8E+06	6.4E+06	7.5E+03	1.5E+00	Marine	338	338	Y	
5.11	2.0E+06	1.6E+07	7.5E+03	1.9E+00	Marine	100	100	Y	
5.12	2.2E+06	7.2E+06	7.4E+03	1.2E+00	Marine	103	103	Y	
5.14	2.4E+06	8.4E+06	5.8E+04	2.3E+00	Marine	100	100	Y	
5.15	0.0E+00	9.3E+05	1.0E+05	5.9E-01	Marine	100	100	Y	
5.16	2.9E+05	1.4E+06	2.5E+02	1.1E+00	Marine	100	100	Y	
6.01	5.0E+06	1.6E+07	1.2E+04	1.0E-01	Riverine	1000	6690	Y	
6.04	1.4E+06	4.7E+06	1.8E+03	1.6E-01	Riverine	1000	14683	Y	
6.05	0.0E+00	1.7E+06	1.0E+05	1.1E+00	Riverine	586	586	Y	
6.08 A	2.6E+06	3.4E+06	5.4E+03	8.4E-01	Riverine	1000	5052	Y	
6.08 B	0.0E+00	6.0E+06	4.5E+03	1.5E-01	Riverine	175	175	Y	
6.10	2.1E+06	8.5E+06	5.8E+03	1.0E-01	Marine	100	100	Y	
6.11	1.4E+06	5.1E+06	6.3E+03	3.5E-01	Riverine	1000	9342	Y	
6.14	0.0E+00	3.5E+05	1.6E+03	7.0E-01	Riverine	1000	16425	Y	
6.15	1.5E+06	5.0E+06	5.8E+03	3.0E-01	Riverine	648	648	Y	
6.16	8.0E+02	3.9E+06	5.5E+03	5.0E-02	Riverine	828	828	Y	
6.17 A	1.7E+06	1.1E+07	1.0E+04	1.2E-01	Riverine	1000	15892	Y	
6.17 B	1.7E+06	7.1E+06	4.3E+04	2.7E-01	Riverine	1000	3837	Y	
6.18	2.4E+06	1.2E+07	1.9E+04	2.5E-01	Riverine	1000	2279	Y	
6.22	7.7E+05	4.0E+06	5.5E+03	3.2E-01	Marine	100	100	Y	
6.23	1.3E+06	4.3E+06	1.8E+05	5.2E-01	Riverine	334	334	Y	
6.24 A	1.1E+06	5.3E+06	9.7E+03	2.0E+00	Riverine	143	143	Y	
6.24 B	1.1E+06	6.6E+06	2.2E+04	2.7E-01	Riverine	63	63	N	
6.26	2.9E+06	9.4E+06	6.4E+03	2.2E-01	Riverine	973	973	Y	
6.27	1.9E+04	6.0E+05	9.4E+02	1.2E-01	Riverine	1000	1429	Y	
7.00	2.6E+06	7.3E+06	4.4E+04	1.6E+00	Marine	100	100	Y	
7.01	6.4E+05	2.9E+06	4.4E+03	4.0E+00	Marine	100	100	Y	
7.02	6.0E+05	3.3E+06	1.6E+04	4.4E+00	Marine	100	100	Y	
7.03	7.5E+04	8.0E+06	2.0E+05	2.6E-01	Marine	100	100	Y	
8.00	3.9E+06	9.0E+06	1.4E+04	1.2E+00	Marine	100	100	N	
8.01	3.2E+06	6.9E+06	7.1E+03	1.2E+00	Riverine	195	195	Y	
8.02	8.2E+05	4.2E+06	3.8E+03	9.5E-01	Riverine	24	24	Y	
8.03	1.5E+06	5.3E+06	2.7E+04	5.0E-02	Marine	100	100	Y	
8.041	8.9E+05	5.6E+06	5.0E+03	7.4E-01	Marine	100	100	N	
8.042	8.9E+05	1.0E+07	5.0E+04	4.7E-01	Marine	100	100	Y	
8.07	7.4E+05	3.7E+06	1.1E+04	6.3E-01	Marine	100	100	Y	
8.09	1.3E+05	4.8E+06	2.0E+05	4.6E-01	Marine	100	100	Y	
8.11	1.3E+06	8.2E+06	1.7E+04	5.8E-01	Marine	100	100	Y	
8.12	1.1E+06	4.3E+06	1.2E+04	2.3E+00	Riverine	267	267	Y	
8.13	3.0E+06	9.0E+06	1.8E+04	8.6E-01	Riverine	10	10	Y	
8.14	9.7E+05	3.8E+06	1.5E+05	5.0E-02	Marine	100	100	Y	
8.15	8.0E+03	4.5E+05	1.5E+02	1.1E+00	Marine	100	100	N	
8.16	5.3E+05	2.3E+06	5.4E+03	1.1E+00	Riverine	152	152	Y	
8.18	1.8E+05	1.6E+06	2.4E+03	1.8E+00	Riverine	621	621	Y	
8.20	5.2E+06	1.6E+07	1.7E+04	1.7E+00	Marine	100	100	Y	
8.21	9.3E+05	3.1E+06	1.0E+04	3.8E-01	Riverine	1000	1794	Y	
9.00	7.1E+05	4.7E+06	4.7E+03	5.0E-01	Riverine	100	100	Y	
9.01	7.2E+06	1.1E+07	1.5E+04	1.1E+00	Marine	1000	10001	Y	
9.02	5.8E+05	7.2E+06	5.0E+03	1.4E-01	Riverine	1000	2640	N	
9.03	2.1E+06	1.5E+07	1.4E+04	9.3E-01	Marine	100	100	Y	
9.04	3.6E+06	1.9E+07	2.5E+04	8.0E-01	Riverine	145	145	Y	
9.11	1.7E+06	2.5E+06	2.0E+02	1.0E+00	Riverine	24	24	Y	
10.00	8.6E+05	5.6E+06	3.2E+03	9.0E-01	Marine	100	100	Y	
10.02	5.3E+06	1.1E+07	1.4E+04	1.1E+01	Marine	100	100	Y	
11.00	1.6E+06	1.2E+07	1.3E+04	3.4E+00	Marine	100	100	Y	
11.01	7.1E+05	4.6E+06	3.6E+03	1.0E+01	Marine	100	100	Y	
11.02	8.3E+06	1.1E+07	1.4E+04	9.6E+00	Marine	100	100	Y	
11.03	1.5E+06	4.9E+06	5.5E+03	4.4E+00	Marine	100	100	Y	
11.04	7.2E+05	5.6E+06	5.4E+03	2.2E+00	Marine	100	100	Y	
11.05	8.0E+05	5.6E+06	8.3E+03	1.1E+00	Marine	100	100	Y	
11.06	7.4E+05	4.0E+06	8.4E+02	2.5E+00	Marine	100	100	Y	
11.07	1.4E+06	8.3E+06	7.8E+03	3.0E+00	Marine	100	100	Y	
11.08	0.0E+00	1.4E+06	1.3E+03	3.3E+00	Marine	100	100	Y	
11.09	1.0E+06	7.3E+06	1.3E+04	3.5E+00	Riverine	40	40	Y	
12.00	1.0E+06	3.9E+06	1.5E+04	5.3E-01	Riverine	50	50	Y	
12.01	2.1E+06	1.0E+07	7.8E+03	6.4E-01	Marine	100	100	Y	
12.02	2.1E+06	5.4E+06	2.5E+03	1.6E+00	Marine	100	100	Y	
12.03	2.3E+03	4.2E+05	3.7E+02	3.2E-01	Riverine	1000	44904	Y	
12.04	3.4E+04	9.4E+05	3.8E+03	2.4E+00	Marine	100	100	Y	
13.00	5.0E+06	1.9E+07	2.4E+05	5.2E-01	Marine	100	100	Y	
13.01	2.4E+06	9.7E+06	8.0E+03	1.3E+00	Marine	1000	2595	Y	
13.02	3.1E+06	1.0E+07	4.4E+03	5.0E+00	Riverine	53	53	Y	
13.04	0.0E+00	3.6E+06	1.4E+03	1.7E-01	Marine	100	100	N	
13.05	5.6E+06	1.1E+07	7.8E+03	1.0E-01	Marine	100	100	Y	
13.07	1.4E+06	6.3E+06	9.2E+03	2.2E+00	Marine	100	100	Y	
13.10	2.5E+06	9.1E+06	3.0E+03	2.7E+00	Marine	100	100	Y	
13.11	3.1E+06	8.4E+06	1.6E+04	5.0E-01	Marine	100	100	Y	
13.12	4.8E+06	1.2E+07	7.3E+03	4.3E+00	Marine	100	100	Y	
13.13	9.6E+03	8.1E+05	3.0E+03	1.8E+00	Riverine	77	77	Y	
13.14	3.5E+03	3.3E+05	2.4E+02	2.2E+00	Marine	1000	9652	Y	
14.00	6.1E+05	2.4E+06	2.6E+03	6.4E-01	Riverine	1000	2107	Y	
14.01	0.0E+00	2.6E+06	3.9E+04	6.0E-01	Riverine	393	393	Y	
15.01	1.2E+06	4.9E+06	7.6E+03	1.5E+00	Marine	100	100	Y	
15.02	1.7E+06	9.3E+06	5.2E+03	8.3E-01	Marine	100	100	N	
16.00	6.2E+05	3.6E+06	1.5E+03	8.6E+00	Marine	100	100	Y	
17.00	1.4E+06	8.1E+06	2.9E+04	8.0E-01	Riverine	1000	3944	Y	
17.01	1.7E+05	1.2E+06	1.0E+03	5.0E-02	Riverine	1000	22297	Y	
21.00	8.3E+05	2.8E+06	5.8E+03	6.3E-01	Riverine	402	402	Y	
21.01	9.9E+05	5.1E+06	5.3E+03	2.4E+00	Riverine	1000	2326	N	
21.02	4.0E+03	6.0E+05	1.7E+03	6.1E-01	Riverine	921	921	N	
21.03	0.0E+00	1.5E+04	7.7E+02	6.7E-01	Riverine	1000	2490	Y	
23.00	3.7E+06	9.4E+06	8.8E+03	5.0E-02	Riverine	10	10	Y	
24.00	1.6E+06	6.2E+06	2.0E+03	5.1E-01	Marine	100	100	Y	
24.01	2.5E+06	1.4E+07	2.3E+04	1.3E+00	Riverine	1000	1132	Y	
24.02	1.1E+05	2.4E+05	5.8E+02	2.0E-01	Riverine	40	40	N	
24.03	1.7E+04	1.8E+05	2.2E+03	1.1E+00	Riverine	74	74	Y	
24.04	0.0E+00	7.7E+04	1.9E+03	1.7E+00	Riverine	364	364	Y	
25.00	1.7E+06	6.6E+06	1.9E+05	1.2E-01	Riverine	562	562	Y	
26.01	4.5E+05	2.0E+06	5.3E+03	2.8E+01	Riverine	1000	8167	Y	
26.02	7.6E+05	2.6E+06	1.1E+05	1.8E-01	Marine	100	100	Y	
27.01	7.4E+05	3.3E+06	3.6E+04	2.2E+00	Riverine	89	89	Y	
27.02	8.3E+05	3.1E+06	1.7E+04	2.5E+00	Riverine	57	57	Y	
27.03	8.4E+05	2.4E+06	1.2E+04	1.3E+00	Riverine	70	70	Y	
27.04	1.1E+06	4.4E+06	1.8E+04	5.1E-01	Marine	100	100	Y	
28.01	1.5E+05	7.1E+06	4.9E+04	4.0E+00	Marine	100	100	Y	

refinery code	PEC Effluent mg/L	PEC Fresh Water mg/L	PEC Fresh Water Sediment mg/kgw	PEC Marine Water mg/L	PEC Marine Water Sediment mg/kgw	PEC Natural Soil mg/kgw	PEC Air mg/m3	PEC Sludge mg/kgw	PEC Groundwater mg/kgw	PEC Fish mg/kgw	PEC Leaf mg/kgw	PEC Root mg/kgw	PEC Meat mg/kgw	PEC Milk mg/kgw	PEC Drinking water mg/L	PEC fish.oral mg/kgw	PEC predator.oral mg/kgw	PEC worm.oral mg/kgw
1.00	2.9E-02	2.9E-05	1.5E-04			2.2E-03	6.3E-01	2.7E+01	5.4E-04	6.1E-04	2.4E-03	2.8E-03	3.0E-03	1.4E-03	1.2E-05	3.0E-04	6.2E-05	1.6E-03
2.00	6.9E-01			1.5E-03	8.0E-03	4.5E-03	1.3E+00	6.5E+02	1.1E-03	3.2E-02	4.9E-03	5.8E-03	6.2E-03	3.0E-03	6.3E-04	1.6E-02	3.3E-03	3.2E-03
2.01	2.9E-03	9.9E-06	5.2E-05			6.6E-04	1.9E-01	2.7E+00	1.6E-04	2.1E-04	7.2E-04	8.4E-04	9.1E-04	4.3E-04	4.1E-06	1.0E-04	2.1E-05	4.7E-04
2.03	0.0E+00			0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
2.04	5.4E-02	5.4E-05	2.8E-04			2.3E-03	6.7E-01	5.1E+01	5.7E-04	1.1E-03	2.5E-03	2.9E-03	3.2E-03	1.5E-03	2.2E-05	5.7E-04	1.2E-04	1.6E-03
3.00	4.0E-02			4.0E-04	2.1E-03	1.1E-03	3.3E-01	3.7E+01	2.8E-04	8.3E-03	1.2E-03	1.4E-03	1.5E-03	7.3E-04	1.6E-04	4.2E-03	8.5E-04	8.0E-04
3.01	3.9E-01			4.0E-03	2.1E-02	2.0E-03	5.8E-01	3.7E+02	4.9E-04	8.3E-02	2.2E-03	2.5E-03	2.7E-03	1.3E-03	1.6E-03	4.1E-02	8.4E-03	1.4E-03
4.00	5.5E-02			5.5E-04	2.9E-03	5.6E-03	1.6E+00	5.2E+01	1.4E-03	1.1E-02	6.1E-03	7.1E-03	7.7E-03	3.7E-03	2.3E-04	5.7E-03	1.2E-03	4.0E-03
4.01	1.2E-01			1.2E-03	6.3E-03	1.4E-03	3.9E-01	1.1E+02	3.4E-04	2.5E-02	1.5E-03	1.7E-03	1.9E-03	8.9E-04	5.0E-04	1.3E-02	2.6E-03	9.7E-04
5.00	1.2E-02			1.2E-04	6.4E-04	5.0E-04	1.4E-01	1.2E+01	1.2E-04	2.6E-03	5.5E-04	6.3E-04	6.9E-04	3.3E-04	5.0E-05	1.3E-03	2.6E-04	3.6E-04
5.02	3.0E-01			3.0E-04	1.5E-03	3.5E-03	1.0E+00	2.8E+02	8.6E-04	6.2E-03	3.8E-03	4.4E-03	4.8E-03	2.3E-03	1.2E-04	3.1E-03	6.3E-04	2.5E-03
5.03	3.2E-01	3.2E-04	1.7E-03			1.1E-03	3.3E-01	3.0E+02	2.8E-04	6.7E-03	1.3E-03	1.5E-03	1.6E-03	7.5E-04	1.3E-04	3.4E-03	6.9E-04	8.2E-04
5.04	4.6E-01	4.6E-04	2.4E-03			2.1E-03	6.1E-01	4.3E+02	5.2E-04	9.6E-03	2.3E-03	2.7E-03	2.9E-03	1.4E-03	1.9E-04	4.8E-03	9.8E-04	1.5E-03
5.05	3.2E-02			3.2E-04	1.7E-03	1.0E-02	3.0E+00	3.0E+01	2.6E-03	6.7E-03	1.1E-02	1.3E-02	1.4E-02	6.8E-03	1.3E-04	3.4E-03	6.8E-04	7.4E-03
5.06	2.0E-02	2.0E-05	1.0E-04			6.2E-04	1.8E-01	1.9E+01	1.5E-04	4.1E-04	6.8E-04	7.9E-04	8.6E-04	4.1E-04	8.1E-06	2.1E-04	4.2E-05	4.4E-04
5.07	7.0E-02			7.0E-04	3.7E-03	1.0E-03	2.9E-01	6.6E+01	2.5E-04	1.5E-02	1.1E-03	1.3E-03	1.4E-03	6.6E-04	2.9E-04	7.4E-03	1.5E-03	7.2E-04
5.08	6.3E-02	6.3E-05	3.3E-04			1.0E-03	3.0E-01	5.9E+01	2.5E-04	1.3E-03	1.1E-03	1.3E-03	1.4E-03	6.7E-04	2.6E-05	6.6E-04	1.3E-04	7.3E-04
5.10	4.4E-01			1.3E-03	6.7E-03	2.6E-03	7.5E-01	4.1E+02	6.4E-04	2.7E-02	2.8E-03	3.3E-03	3.6E-03	1.7E-03	5.3E-04	1.4E-02	2.8E-03	1.8E-03
5.11	2.3E-01			2.3E-03	1.2E-02	2.8E-03	8.0E-01	2.1E+02	6.8E-04	4.7E-02	3.0E-03	3.5E-03	3.8E-03	1.8E-03	9.3E-04	2.4E-02	4.8E-03	2.0E-03
5.12	3.8E-01			3.6E-03	1.9E-02	3.2E-03	9.2E-01	3.5E+02	7.8E-04	7.6E-02	3.5E-03	4.0E-03	4.4E-03	2.1E-03	1.5E-03	3.8E-02	7.8E-03	2.3E-03
5.14	6.6E-01			6.6E-03	3.4E-02	3.4E-03	1.0E+00	6.2E+02	8.5E-04	1.4E-01	3.8E-03	4.4E-03	4.7E-03	2.3E-03	2.7E-03	6.9E-02	1.4E-02	2.5E-03
5.15	0.0E+00			0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
5.16	2.3E-01			2.3E-03	1.2E-02	4.1E-04	1.2E-01	2.2E+02	1.0E-04	4.9E-02	4.5E-04	5.2E-04	5.6E-04	2.7E-04	9.5E-04	2.4E-02	5.0E-03	2.9E-04
6.01	3.2E-02	3.2E-05	1.7E-04			7.1E-03	2.1E+00	3.0E+01	1.8E-03	6.8E-04	7.8E-03	9.1E-03	9.8E-03	4.7E-03	1.3E-05	3.4E-04	6.9E-05	5.1E-03
6.04	4.8E-02	4.8E-05	2.5E-04			1.9E-03	5.6E-01	4.5E+01	4.8E-04	1.0E-03	2.1E-03	2.5E-03	2.7E-03	1.3E-03	2.0E-05	5.0E-04	1.0E-04	1.4E-03
6.05	0.0E+00	0.0E+00	0.0E+00			0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
6.08 A	6.5E-01	6.5E-04	3.4E-03			3.7E-03	1.1E+00	6.1E+02	9.1E-04	1.4E-02	4.0E-03	4.7E-03	5.1E-03	2.4E-03	2.7E-04	6.8E-03	1.4E-03	2.6E-03
6.08 B	0.0E+00	0.0E+00	0.0E+00			0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
6.10	2.5E-02			2.5E-04	1.3E-03	3.0E-03	8.7E-01	2.3E+01	7.4E-04	5.2E-03	3.3E-03	3.8E-03	4.1E-03	2.0E-03	1.0E-04	2.6E-03	5.3E-04	2.1E-03
6.11	9.3E-02	9.3E-05	4.8E-04			2.0E-03	5.7E-01	8.8E+01	4.8E-04	1.9E-03	2.1E-03	2.5E-03	2.7E-03	1.3E-03	3.8E-05	9.7E-04	2.0E-04	1.4E-03
6.14	0.0E+00	0.0E+00	0.0E+00			0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
6.15	9.1E-02	1.4E-04	7.3E-04			2.2E-03	6.3E-01	8.6E+01	5.3E-04	2.9E-03	2.4E-03	2.7E-03	3.0E-03	1.4E-03	5.8E-05	1.5E-03	3.0E-04	1.5E-03
6.16	1.0E-05	1.3E-08	6.5E-08			1.1E-06	3.3E-04	9.8E-03	2.8E-07	2.6E-07	1.2E-06	1.4E-06	1.6E-06	7.4E-07	5.1E-09	1.3E-07	2.7E-08	8.1E-07
6.17 A	2.0E-02	2.0E-05	1.0E-04			2.5E-03	7.2E-01	1.9E+01	6.1E-04	4.2E-04	2.7E-03	3.1E-03	3.4E-03	1.6E-03	8.2E-06	2.1E-04	4.3E-05	1.8E-03
6.17 B	6.6E-02	6.7E-05	3.5E-04			2.5E-03	7.2E-01	6.3E+01	6.1E-04	1.4E-03	2.7E-03	3.1E-03	3.4E-03	1.6E-03	2.7E-05	7.0E-04	1.4E-04	1.8E-03
6.18	5.1E-02	5.1E-05	2.6E-04			3.3E-03	9.7E-01	4.8E+01	8.3E-04	1.1E-03	3.7E-03	4.2E-03	4.6E-03	2.2E-03	2.1E-05	5.3E-04	1.1E-04	2.4E-03
6.22	6.2E-02			6.2E-04	3.2E-03	1.1E-03	3.1E-01	5.8E+01	2.7E-04	1.3E-02	1.2E-03	1.4E-03	1.5E-03	7.1E-04	2.5E-04	6.5E-03	1.3E-03	7.7E-04
6.23	1.6E-01	4.8E-04	2.5E-03			1.9E-03	5.4E-01	1.5E+02	4.6E-04	1.0E-02	2.0E-03	2.4E-03	2.6E-03	1.2E-03	2.0E-04	5.0E-03	1.0E-03	1.3E-03
6.24 A	4.4E-01	3.1E-03	1.6E-02			1.6E-03	4.7E-01	4.2E+02	4.0E-04	6.5E-02	1.8E-03	2.0E-03	2.2E-03	1.1E-03	1.3E-03	3.2E-02	6.6E-03	1.2E-03
6.24 B	4.8E-02	7.6E-04	4.0E-03			1.6E-03	4.7E-01	4.5E+01	4.0E-04	1.6E-02	1.8E-03	2.0E-03	2.2E-03	1.1E-03	3.1E-04	8.0E-03	1.6E-03	1.2E-03
6.26	6.6E-02	6.8E-05	3.5E-04			4.1E-03	1.2E+00	6.2E+01	1.0E-03	1.4E-03	4.4E-03	5.1E-03	5.6E-03	2.7E-03	2.8E-05	7.1E-04	1.5E-04	2.9E-03
6.27	3.7E-03	3.7E-06	1.9E-05			2.6E-05	7.6E-03	3.5E+00	6.5E-06	7.8E-05	2.9E-05	3.3E-05	3.6E-05	1.7E-05	1.5E-06	3.9E-05	8.0E-06	1.9E-05
7.00	5.8E-01			5.8E-03	3.0E-02	3.6E-03	1.1E+00	5.4E+02	9.0E-04	1.2E-01	4.0E-03	4.6E-03	5.0E-03	2.4E-03	2.4E-03	6.0E-02	1.2E-02	2.6E-03
7.01	8.8E-01			8.8E-03	4.6E-02	9.1E-04	2.6E-01	8.3E+02	2.2E-04	1.9E-01	9.9E-04	1.2E-03	1.3E-03	6.0E-04	3.6E-03	9.3E-02	1.9E-02	6.5E-04
7.02	8.0E-01			8.0E-03	4.1E-02	8.5E-04	2.5E-01	7.5E+02	2.1E-04	1.7E-01	9.3E-04	1.1E-03	1.2E-03	5.5E-04	3.3E-03	8.3E-02	1.7E-02	6.0E-04
7.03	2.4E-03			2.4E-05	1.3E-04	1.1E-04	3.1E-02	2.3E+00	2.6E-05	5.1E-04	1.2E-04	1.3E-04	1.5E-04	6.9E-05	1.0E-05	2.5E-04	5.2E-05	7.5E-05
8.00	5.4E-01			5.4E-03	2.8E-02	5.6E-03	1.6E+00	5.1E+02	1.4E-03	1.1E-01	6.1E-03	7.1E-03	7.7E-03	3.7E-03	2.2E-03	5.6E-02	1.2E-02	4.0E-03
8.01	5.5E-01	2.8E-03	1.5E-02			4.5E-03	1.3E+00	5.2E+02	1.1E-03	5.9E-02	4.9E-03	5.7E-03	6.2E-03	3.0E-03	1.2E-03	3.0E-02	6.1E-03	3.2E-03
8.02	1.8E-01	7.7E-03	4.0E-02			1.2E-03	3.4E-01	1.7E+02	2.9E-04	1.6E-01	1.3E-03	1.5E-03	1.6E-03	7.6E-04	3.2E-03	8.1E-02	1.6E-02	8.2E-04
8.03	1.4E-02			1.4E-04	7.2E-04	2.1E-03	6.0E-01	1.3E+01	5.1E-04	2.9E-03	2.3E-03	2.6E-03	2.8E-03	1.4E-03	5.7E-05	1.4E-03	2.9E-04	1.5E-03
8.041	1.2E-01			1.2E-03	6.1E-03	1.3E-03	3.6E-01	1.1E+02	3.1E-04	2.5E-02	1.4E-03	1.6E-03	1.7E-03	8.2E-04	4.8E-04	1.2E-02	2.5E-03	8.9E-04
8.042	4.1E-02			4.1E-04	2.1E-03	1.3E-03	3.6E-01	3.9E+01	3.1E-04	8.5E-03	1.4E-03	1.6E-03	1.7E-03	8.2E-04	1.7E-04	4.3E-03	8.7E-04	8.9E-04
8.07	1.3E-01			1.3E-03	6.6E-03	1.0E-03	3.0E-01	1.2E+02	2.6E-04	2.6E-02	1.1E-03	1.3E-03	1.4E-03	6.8E-04	5.2E-04	1.3E-02	2.7E-03	7.5E-04
8.09	1.2E-02			1.2E-04	6.5E-04	1.8E-04	5.3E-02	1.2E+01	4.5E-05	2.6E-03	2.0E-04	2.3E-04	2.5E-04	1.2E-04	5.1E-05	1.3E-03	2.7E-04	1.3E-04
8.11	9.0E-02			9.0E-04	4.7E-03	1.8E-03	5.2E-01	8.5E+01	4.4E-04	1.9E-02	1.9E-03	2.3E-03	2.5E-03	1.2E-03	3.7E-04	9.4E-03	1.9E-03	1.3E-03
8.12	5.8E-01	2.2E-03	1.1E-02			1.5E-03	4.5E-01	5.5E+02	3.8E-04	4.6E-02	1.7E-03	1.9E-03	2.1E-03	1.0E-03	8.9E-04	2.3E-02	4.6E-03	1.1E-03
8.13	2.9E-01	2.9E-02	1.5E-01			4.3E-03	1.2E+00	2.7E+02	1.1E-03	6.1E-01	4.7E-03	5.5E-03	5.9E-03	2.8E-03	1.2E-02	3.0E-01	6.2E-02	3.1E-03
8.14	1.3E-02			1.3E-04	6.7E-04	1.4E-03	4.0E-01	1.2E+01	3.4E-04	2.7E-03	1.5E-03	1.7E-03	1.9E-03	9.0E-04	5.3E-05	1.4E-03	2.8E-04	9.8E-04
8.15	1.9E-02			1.9E-04	1.0E-03	1.1E-05	3.3E-03	1.8E+01	2.8E-06	4.0E-03	1.2E-05	1.4E-05	1.6E-05	7.4E-06	7.9E-05	2.0E-03	4.1E-04	8.1E-06
8.16	2.5E-01	1.6E-03	8.4E-03			7.5E-04	2.2E-01	2.3E+02	1.8E-04	3.4E-02	8.2E-04	9.5E-04	1.0E-03	4.9E-04	6.7E-04	1.7E-02	3.5E-03	5.3E-04
8.18	1.9E-01	3.1E-04	1.6E-03			2.5E-04	7.2E-02	1.8E+02	6.1E-05	6.5E-03	2.7E-04	3.1E-04	3.4E-04	1.6E-04	1.3E-04	3.2E-03	6.6E-04	1.8E-04
8.20	5.8E-01			5.8E-03	3.0E-02	7.3E-03	2.1E+00	5.5E+02	1.8E-03	1.2E-01	8.0E-03	9.3E-03	1.0E-02	4.8E-03	2.4E-03	6.1E-02	1.2E-02	5.2E-03
8.21	1.1E-01	1.1E-04	5.9E-04			1.3E-03	3.8E-01	1.1E+02	3.3E-04	2.4E-03	1.4E-03	1.7E-03	1.8E-03	8.6E-04	4.7E-05	1.2E-03	2.4E-04	9.4E-04
9.00	7.6E-02	7.6E-04	3.9E-03			1.0E-03	2.9E-01	7.1E+01	2.5E-04	1.6E-02	1.1E-03	1.3E-03	1.4E-03	6.6E-04	3.1E-04	7.9E-03	1.6E-03	7.2E-04
9.01	7.3E-01			7.3E-04	3.8E-03	1.0E-02	3.0E+00	6.9E+02	2.5E-03	1.5E-02	1.1E-02	1.3E-02	1.4E-02	6.7E-03	3.0E-04	7.7E-03	1.6E-03	7.3E-03
9.02	1.2E-02	1.2E-05	6.0E-05			8.2E-04	2.4E-01	1.1E+01	2.0E-04	2.4E-04	8.9E-04	1.0E-03	1.1E-03	5.3E-04	4.8E-06	1.2E-04	2.5E-05	5.8E-04
9.03	1.3E-01			1.3E-03	6.7E-03	3.0E-03	8.6E-01	1.2E+02	7.3E-04	2.7E-02	3.2E-03	3.8E-03	4.1E-03	1.9E-03	5.3E-04	1.4E-02	2.8E-03	2.1E-03
9.04	1.5E-01	1.0E-03	5.3E-03			5.0E-03	1.5E+00	1.4E+02	1.2E-03	2.1E-02	5.5E-03	6.4E-03	6.9E-03	3.3E-03	4.2E-04	1.1E-02	2.2E-03	3.6E-03
9.11	6.5E-01	2.8E-02	1.4E-01			2.3E-03	6.8E-01	6.1E+02	5.8E-04	5.8E-01	2.5E-03	3.0E-03	3.2E-03	1.5E-03	1.1E-02	2.9E-01	5.9E-02	1.7E-03
10.00	1.4E-01			1.4E-03	7.2E-03	1.2E-03	3.5E-01	1.3E+02	3.0E-04	2.9E-02	1.3E-03	1.5E-03	1.7E-03	8.0E-04	5.7E-04	1.5E-02	3.0E-03	8.7E-04
10.02	5.4E+00			5.4E-02	2.8E-01	7.4E-03	2.2E+00	5.1E+03	1.8E-03	1.1E+00	8.1E-03	9.4E-03	1.0E-02	4.9E-03	2.2E-02	5.6E-01	1.2E-01	5.3E-03
11.00	4.3E-01			4.3E-03	2.2E-02	2.2E-03	6.4E-01	4.0E+02	5.4E-04	9.0E-02	2.4E-03	2.8E-03	3.0E-03	1.4E-03	1.8E-03	4.5E-02	9.2E-03	1.6E-03
11.01	1.5E+00			1.5E-02	8.0E-02	1.0E-03	2.9E-01	1.5E+03	2.5E-04	3.2E-01	1.1E-03	1.3E-03	1.4E-03	6.6E-04	6.4E-03	1.6E-01	3.3E-02	7.2E-04
11.02	7.6E+00			7.6E-02	4.0E-01	1.2E-02	3.4E+00	7.2E+03	2.9E-03	1.6E+00	1.3E-02	1.5E-02	1.6E-02	7.7E-03	3.1E-02	8.0E-01	1.6E-01	8.4E-03
11.03	1.4E+00			1.4E-02	7.1E-02	2.1E-03	6.2E-01	1.3E+03	5.3E-04	2.8E-01	2.3E-03	2.7E-03	2.9E-03	1.4E-03	5.6E-03	1.4E-01	2.9E-02	1.5E-03
11.04	2.8E-01			2.8E-03	1.5E-02	1.0E-03	3.0E-01	2.7E+02	2.5E-04	5.9E-02	1.1E-03	1.3E-03	1.4E-03	6.7E-04	1.2E-03	3.0E-02	6.0E-03	7.3E-04
11.05	1.6E-01			1.6E-03	8.2E-03	1.1E-03	3.3E-01	1.5E+02	2.8E-04	3.3E-02	1.2E-03	1.4E-03	1.6E-03	7.4E-04	6.5E-04	1.6E-02	3.4E-03	8.1E-04
11.06	4.6E-01			4.6E-03	2.4E-02	1.1E-03	3.0E-01	4.4E+02	2.6E-04	9.7E-02	1.1E-03	1.3E-03	1.4E-03	6.9E-04	1.9E-03	4.9E-02	9.9E-03	7.5E-04
11.07	5.1E-01			5.1E-03	2.6E-02	2.0E-03	5.7E-01	4.8E+02	4.9E-04	1.1E-01	2.2E-03	2.5E-03	2.7E-03	1.3E-03	2.1E-03	5.3E-02	1.1E-02	1.4E-03
11.08	0.0E+00			0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
11.09	4.9E-01	1.2E-02	6.4E-02			1.4E-03	4.2E-01	4.6E+02	3.5E-04	2.6E-01	1.6E-03	1.8E-03	2.0E-03	9.4E-04	5.0E-03	1.3E-01	2.6E-02	1.0E-03
12.00	1.4E-01	2.7E-03	1.4E-02			1.5E-03	4.2E-01	1.3E+02	3.6E-04	5.7E-02	1.6E-03	1.8E-03	2.0E-03	9.5E-04	1.1E-03	2.9E-02	5.9E-03	1.0E-03
12.01	1.3E-01			1.3E-03	6.8E-03	3.0E-03	8.7E-01	1.2E+02	7.4E-04	2.7E-02	3.3E-03	3.8E-03	4.1E-03	2.0E-03	5.4E-04	1.4E-02	2.8E-03	2.1E-03
12.02	6.3E-01			6.3E-03	3.3E-02	3.0E-03	8.8E-01	6.0E+02	7.5E-04	1.3E-01	3.3E-03	3.8E-03	4.2E-03	2.0E-03	2.6E-03	6.6E-02	1.3E-02	2.2E-03
12.03	1.8E-03	1.8E-06	9.4E-06			3.3E-06	9.5E-04	1.7E+00	8.1E-07	3.8E-05	3.6E-06	4.2E-06	4.5E-06	2.1E-06	7.4E-07	1.9E-05	3.8E-06	2.3E-06
12.04	8.8E-02			8.8E-04	4.6E-03	4.9E-05	1.4E-02	8.3E+01	1.2E-05	1.8E-02	5.3E-05	6.2E-05	6.7E-05	3.2E-05	3.6E-04	9.2E-03	1.9E-03	3.5E-05
13.00	1.4E-01			1.4E-03	7.3E-03	7.1E-03	2.1E+00	1.3E+02	1.7E-03	2.9E-02	7.7E-03	9.0E-03	9.7E-03	4.6E-03	5.8E-04	1.5E-02	3.0E-03	5.0E-03
13.01	3.2E-01			3.2E-04	1.6E-03	3.3E-03	9.7E-01	3.0E+02	8.2E-04	6.6E-03	3.6E-03	4.2E-03	4.6E-03	2.2E-03	1.3E-04	3.3E-03	6.8E-04	2.4E-03
13.02	1.5E+00	2.9E-02	1.5E-01			4.4E-03	1.3E+00	1.4E+03	1.1E-03	6.1E-01	4.8E-03	5.5E-03	6.0E-03	2.9E-03	1.2E-02	3.0E-01	6.2E-02	3.1E-03
13.04	0.0E+00			0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
13.05	5.1E-02			5.1E-04	2.7E-03	8.0E-03	2.3E+00	4.9E+01	2.0E-03	1.1E-02	8.7E-03	1.0E-02	1.1E-02	5.2E-03	2.1E-04	5.4E-03	1.1E-03	5.7E-03
13.07	5.0E-01			5.0E-03	2.6E-02	2.0E-03	5.9E-01	4.7E+02	5.0E-04	1.0E-01	2.2E-03	2.6E-03	2.8E-03	1.3E-03	2.1E-03	5.2E-02	1.1E-02	1.4E-03
13.10	7.5E-01			7.5E-03	3.9E-02	3.6E-03	1.0E+00	7.1E+02	8.8E-04	1.6E-01	3.9E-03	4.5E-03	4.9E-03	2.3E-03	3.1E-03	7.9E-02	1.6E-02	2.5E-03
13.11	1.9E-01			1.9E-03	9.6E-03	4.4E-03	1.3E+00	1.7E+02	1.1E-03	3.9E-02	4.8E-03	5.6E-03	6.1E-03	2.9E-03	7.6E-04	1.9E-02	4.0E-03	3.2E-03
13.12	1.7E+00			1.7E-02	8.8E-02	6.7E-03	1.9E+00	1.6E+03	1.7E-03	3.5E-01	7.3E-03	8.5E-03	9.2E-03	4.4E-03	6.9E-03	1.8E-01	3.6E-02	4.8E-03
13.13	2.1E-02	2.7E-04	1.4E-03			1.4E-05	3.9E-03	2.0E+01	3.3E-06	5.7E-03	1.5E-05	1.7E-05	1.9E-05	8.9E-06	1.1E-04	2.8E-03	5.8E-04	9.6E-06
13.14	2.3E-02			2.3E-05	1.2E-04	5.0E-06	1.4E-03	2.2E+01	1.2E-06	4.9E-04	5.4E-06	6.3E-06	6.8E-06	3.2E-06	9.6E-06	2.4E-04	5.0E-05	3.5E-06
14.00	1.6E-01	1.6E-04	8.3E-04			8.6E-04	2.5E-01	1.5E+02	2.1E-04	3.3E-03	9.4E-04	1.1E-03	1.2E-03	5.6E-04	6.5E-05	1.7E-03	3.4E-04	6.1E-04
14.01	0.0E+00	0.0E+00	0.0E+00			0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
15.01	3.6E-01			3.6E-03	1.9E-02	1.7E-03	4.8E-01	3.4E+02	4.1E-04	7.5E-02	1.8E-03	2.1E-03	2.3E-03	1.1E-03	1.5E-03	3.8E-02	7.7E-03	1.2E-03
15.02	1.6E-01			1.6E-03	8.1E-03	2.5E-03	7.2E-01	1.5E+02	6.1E-04	3.3E-02	2.7E-03	3.1E-03	3.4E-03	1.6E-03	6.4E-04	1.6E-02	3.3E-03	1.8E-03
16.00	1.5E+00			1.5E-02	7.7E-02	8.8E-04	2.5E-01	1.4E+03	2.2E-04	3.1E-01	9.6E-04	1.1E-03	1.2E-03	5.7E-04	6.1E-03	1.6E-01	3.2E-02	6.2E-04
17.00	1.4E-01	1.4E-04	7.1E-04			1.9E-03	5.6E-01	1.3E+02	4.8E-04	2.8E-03	2.1E-03	2.5E-03	2.7E-03	1.3E-03	5.6E-05	1.4E-03	2.9E-04	1.4E-03
17.01	7.1E-03	7.1E-06	3.7E-05			2.4E-04	7.0E-02	6.7E+00	6.0E-05	1.5E-04	2.6E-04	3.1E-04	3.3E-04	1.6E-04	2.9E-06	7.5E-05	1.5E-05	1.7E-04
21.00	1.9E-01	4.7E-04	2.4E-03			1.2E-03	3.4E-01	1.8E+02	2.9E-04	9.8E-03	1.3E-03	1.5E-03	1.6E-03	7.7E-04	1.9E-04	4.9E-03	1.0E-03	8.4E-04
21.01	4.6E-01	4.6E-04	2.4E-03			1.4E-03	4.1E-01	4.3E+02	3.4E-04	9.6E-03	1.5E-03	1.8E-03	1.9E-03	9.1E-04	1.9E-04	4.8E-03	9.8E-04	1.0E-03
21.02	4.0E-03	4.4E-06	2.3E-05			5.7E-06	1.6E-03	3.8E+00	1.4E-06	9.2E-05	6.2E-06	7.2E-06	7.8E-06	3.7E-06	1.8E-06	4.6E-05	9.4E-06	4.0E-06
21.03	0.0E+00	0.0E+00	0.0E+00			0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
23.00	1.9E-02	1.9E-03	1.0E-02			5.2E-03	1.5E+00	1.8E+01	1.3E-03	4.1E-02	5.7E-03	6.6E-03	7.1E-03	3.4E-03	8.0E-04	2.0E-02	4.2E-03	3.7E-03
24.00	1.3E-01			1.3E-03	7.0E-03	2.3E-03	6.7E-01	1.3E+02	5.7E-04	2.8E-02	2.5E-03	2.9E-03	3.2E-03	1.5E-03	5.5E-04	1.4E-02	2.9E-03	1.7E-03
24.01	2.3E-01	2.3E-04	1.2E-03			3.6E-03	1.0E+00	2.2E+02	8.8E-04	4.8E-03	3.9E-03	4.5E-03	4.9E-03	2.3E-03	9.5E-05	2.4E-03	4.9E-04	2.5E-03
24.02	9.1E-02	2.3E-03	1.2E-02			1.6E-04	4.5E-02	8.6E+01	3.8E-05	4.8E-02	1.7E-04	2.0E-04	2.1E-04	1.0E-04	9.4E-04	2.4E-02	4.9E-03	1.1E-04
24.03	1.1E-01	1.5E-03	7.8E-03			2.5E-05	7.1E-03	1.0E+02	6.1E-06	3.1E-02	2.7E-05	3.1E-05	3.4E-05	1.6E-05	6.2E-04	1.6E-02	3.2E-03	1.7E-05
24.04	0.0E+00	0.0E+00	0.0E+00			0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
25.00	3.0E-02	5.3E-05	2.8E-04			2.4E-03	6.8E-01	2.8E+01	5.8E-04	1.1E-03	2.6E-03	3.0E-03	3.2E-03	1.5E-03	2.2E-05	5.6E-04	1.1E-04	1.7E-03
26.01	6.2E+00	6.2E-03	3.2E-02			6.4E-04	1.8E-01	5.9E+03	1.6E-04	1.3E-01	6.9E-04	8.1E-04	8.7E-04	4.2E-04	2.6E-03	6.5E-02	1.3E-02	4.5E-04
26.02	5.1E-02			5.1E-04	2.7E-03	1.1E-03	3.1E-01	4.8E+01	2.6E-04	1.1E-02	1.2E-03	1.4E-03	1.5E-03	7.0E-04	2.1E-04	5.4E-03	1.1E-03	7.6E-04
27.01	5.0E-01	5.6E-03	2.9E-02			1.0E-03	3.0E-01	4.7E+02	2.6E-04	1.2E-01	1.1E-03	1.3E-03	1.4E-03	6.8E-04	2.3E-03	5.9E-02	1.2E-02	7.4E-04
27.02	6.7E-01	1.2E-02	6.2E-02			1.2E-03	3.4E-01	6.4E+02	2.9E-04	2.5E-01	1.3E-03	1.5E-03	1.6E-03	7.7E-04	4.9E-03	1.2E-01	2.5E-02	8.4E-04
27.03	4.5E-01	6.4E-03	3.3E-02			1.2E-03	3.4E-01	4.2E+02	2.9E-04	1.3E-01	1.3E-03	1.5E-03	1.6E-03	7.8E-04	2.6E-03	6.7E-02	1.4E-02	8.5E-04
27.04	1.3E-01			1.3E-03	6.7E-03	1.6E-03	4.6E-01	1.2E+02	3.9E-04	2.7E-02	1.7E-03	2.0E-03	2.2E-03	1.0E-03	5.3E-04	1.4E-02	2.8E-03	1.1E-03
28.01	8.6E-02			8.6E-04	4.5E-03	2.2E-04	6.3E-02	8.1E+01	5.3E-05	1.8E-02	2.4E-04	2.7E-04	3.0E-04	1.4E-04	3.5E-04	9.0E-03	1.8E-03	1.5E-04

NOTE

refinery code	RCR Effluent	RCR Fresh Water	RCR Fresh Water Sediment	RCR Marine Water	RCR Marine Sediment	RCR Natural Soil	RCR fish.oral	RCR predator.oral	RCR worm.oral	HI Inhalation ug/kg/d	HI Indirect Dose ug/kg/d	Total HI Total ug/kg/d	HI - RCR Inhalation	HI - RCR Indirect Dose	HI - RCR Total
1.00		4.6E-05	5.3E-05			3.7E-03	0.0E+00	0.0E+00	0.0E+00	1.8E+02	1.3E-03	1.8E+02	1.81E+00	1.34E-05	1.81E+00
2.00				2.5E-03	2.8E-03	7.7E-03	0.0E+00	0.0E+00	0.0E+00	3.8E+02	7.1E-02	3.8E+02	3.75E+00	7.13E-04	3.75E+00
2.01		1.6E-05	1.8E-05			1.1E-03	0.0E+00	0.0E+00	0.0E+00	5.5E+01	4.6E-04	5.5E+01	5.49E-01	4.59E-06	5.49E-01
2.03				0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.00E+00	0.00E+00	0.00E+00
2.04		8.7E-05	9.9E-05			3.9E-03	0.0E+00	0.0E+00	0.0E+00	1.9E+02	2.5E-03	1.9E+02	1.90E+00	2.50E-05	1.90E+00
3.00	4.1E-03			6.3E-04	7.3E-04	1.9E-03	0.0E+00	0.0E+00	0.0E+00	9.3E+01	1.8E-02	9.3E+01	9.30E-01	1.84E-04	9.31E-01
3.01				6.3E-03	7.2E-03	3.4E-03	0.0E+00	0.0E+00	0.0E+00	1.6E+02	1.8E-01	1.6E+02	1.64E+00	1.83E-03	1.65E+00
4.00				8.8E-04	1.0E-03	9.5E-03	0.0E+00	0.0E+00	0.0E+00	4.6E+02	2.5E-02	4.6E+02	4.63E+00	2.53E-04	4.63E+00
4.01				1.9E-03	2.2E-03	2.3E-03	0.0E+00	0.0E+00	0.0E+00	1.1E+02	5.6E-02	1.1E+02	1.13E+00	5.63E-04	1.13E+00
5.00				2.0E-04	2.3E-04	8.5E-04	0.0E+00	0.0E+00	0.0E+00	4.1E+01	5.7E-03	4.1E+01	4.14E-01	5.67E-05	4.14E-01
5.02				4.7E-04	5.4E-04	5.9E-03	0.0E+00	0.0E+00	0.0E+00	2.9E+02	1.4E-02	2.9E+02	2.88E+00	1.37E-04	2.88E+00
5.03		5.1E-04	5.9E-04			2.0E-03	0.0E+00	0.0E+00	0.0E+00	9.5E+01	1.5E-02	9.5E+01	9.51E-01	1.48E-04	9.51E-01
5.04		7.3E-04	8.4E-04			3.5E-03	0.0E+00	0.0E+00	0.0E+00	1.7E+02	2.1E-02	1.7E+02	1.73E+00	2.12E-04	1.73E+00
5.05				5.1E-04	5.9E-04	1.8E-02	0.0E+00	0.0E+00	0.0E+00	8.6E+02	1.5E-02	8.6E+02	8.61E+00	1.48E-04	8.61E+00
5.06		3.2E-05	3.6E-05			1.1E-03	0.0E+00	0.0E+00	0.0E+00	5.2E+01	9.1E-04	5.2E+01	5.17E-01	9.12E-06	5.17E-01
5.07				1.1E-03	1.3E-03	1.7E-03	0.0E+00	0.0E+00	0.0E+00	8.3E+01	3.3E-02	8.3E+01	8.33E-01	3.25E-04	8.34E-01
5.08		1.0E-04	1.2E-04			1.7E-03	0.0E+00	0.0E+00	0.0E+00	8.5E+01	2.9E-03	8.5E+01	8.49E-01	2.91E-05	8.49E-01
5.10				2.1E-03	2.4E-03	4.4E-03	0.0E+00	0.0E+00	0.0E+00	2.1E+02	6.0E-02	2.1E+02	2.15E+00	5.99E-04	2.15E+00
5.11				3.6E-03	4.1E-03	4.7E-03	0.0E+00	0.0E+00	0.0E+00	2.3E+02	1.0E-01	2.3E+02	2.29E+00	1.04E-03	2.30E+00
5.12				5.8E-03	6.7E-03	5.4E-03	0.0E+00	0.0E+00	0.0E+00	2.6E+02	1.7E-01	2.6E+02	2.63E+00	1.68E-03	2.63E+00
5.14				1.1E-02	1.2E-02	5.9E-03	0.0E+00	0.0E+00	0.0E+00	2.9E+02	3.0E-01	2.9E+02	2.86E+00	3.04E-03	2.86E+00
5.15				0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.00E+00	0.00E+00	0.00E+00
5.16				3.7E-03	4.3E-03	7.0E-04	0.0E+00	0.0E+00	0.0E+00	3.4E+01	1.1E-01	3.4E+01	3.39E-01	1.07E-03	3.40E-01
6.01		5.2E-05	5.9E-05			1.2E-02	0.0E+00	0.0E+00	0.0E+00	5.9E+02	1.5E-03	5.9E+02	5.92E+00	1.49E-05	5.92E+00
6.04		7.6E-05	8.7E-05			3.3E-03	0.0E+00	0.0E+00	0.0E+00	1.6E+02	2.2E-03	1.6E+02	1.60E+00	2.20E-05	1.60E+00
6.05		0.0E+00	0.0E+00			0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.00E+00	0.00E+00	0.00E+00
6.08 A		1.0E-03	1.2E-03			6.2E-03	0.0E+00	0.0E+00	0.0E+00	3.0E+02	3.0E-02	3.0E+02	3.04E+00	3.00E-04	3.05E+00
6.08 B		0.0E+00	0.0E+00			0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.00E+00	0.00E+00	0.00E+00
6.10				4.0E-04	4.5E-04	5.1E-03	0.0E+00	0.0E+00	0.0E+00	2.5E+02	1.1E-02	2.5E+02	2.47E+00	1.14E-04	2.47E+00
6.11		1.5E-04	1.7E-04			3.3E-03	0.0E+00	0.0E+00	0.0E+00	1.6E+02	4.3E-03	1.6E+02	1.62E+00	4.30E-05	1.62E+00
6.14		0.0E+00	0.0E+00			0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.00E+00	0.00E+00	0.00E+00
6.15		2.2E-04	2.6E-04			3.7E-03	0.0E+00	0.0E+00	0.0E+00	1.8E+02	6.5E-03	1.8E+02	1.79E+00	6.50E-05	1.79E+00
6.16		2.0E-08	2.3E-08			1.9E-06	0.0E+00	0.0E+00	0.0E+00	9.4E-02	5.8E-07	9.4E-02	9.38E-04	5.79E-09	9.38E-04
6.17 A		3.2E-05	3.7E-05			4.2E-03	0.0E+00	0.0E+00	0.0E+00	2.0E+02	9.2E-04	2.0E+02	2.05E+00	9.20E-06	2.05E+00
6.17 B		1.1E-04	1.2E-04			4.2E-03	0.0E+00	0.0E+00	0.0E+00	2.0E+02	3.1E-03	2.0E+02	2.05E+00	3.07E-05	2.05E+00
6.18		8.1E-05	9.3E-05			5.7E-03	0.0E+00	0.0E+00	0.0E+00	2.8E+02	2.3E-03	2.8E+02	2.77E+00	2.35E-05	2.77E+00
6.22				9.9E-04	1.1E-03	1.8E-03	0.0E+00	0.0E+00	0.0E+00	9.0E+01	2.9E-02	9.0E+01	8.99E-01	2.85E-04	9.00E-01
6.23		7.7E-04	8.8E-04			3.2E-03	0.0E+00	0.0E+00	0.0E+00	1.5E+02	2.2E-02	1.5E+02	1.55E+00	2.21E-04	1.55E+00
6.24 A		5.0E-03	5.7E-03			2.7E-03	0.0E+00	0.0E+00	0.0E+00	1.3E+02	1.4E-01	1.3E+02	1.34E+00	1.43E-03	1.34E+00
6.24 B	4.9E-03	1.2E-03	1.4E-03			2.7E-03	0.0E+00	0.0E+00	0.0E+00	1.3E+02	3.5E-02	1.3E+02	1.34E+00	3.52E-04	1.34E+00
6.26		1.1E-04	1.2E-04			6.9E-03	0.0E+00	0.0E+00	0.0E+00	3.4E+02	3.1E-03	3.4E+02	3.36E+00	3.14E-05	3.36E+00
6.27		6.0E-06	6.8E-06			4.4E-05	0.0E+00	0.0E+00	0.0E+00	2.2E+00	1.7E-04	2.2E+00	2.17E-02	1.72E-06	2.17E-02
7.00				9.2E-03	1.1E-02	6.2E-03	0.0E+00	0.0E+00	0.0E+00	3.0E+02	2.7E-01	3.0E+02	3.01E+00	2.67E-03	3.01E+00
7.01				1.4E-02	1.6E-02	1.5E-03	0.0E+00	0.0E+00	0.0E+00	7.5E+01	4.1E-01	7.6E+01	7.54E-01	4.09E-03	7.58E-01
7.02				1.3E-02	1.5E-02	1.4E-03	0.0E+00	0.0E+00	0.0E+00	7.0E+01	3.7E-01	7.1E+01	7.02E-01	3.68E-03	7.06E-01
7.03				3.9E-05	4.5E-05	1.8E-04	0.0E+00	0.0E+00	0.0E+00	8.8E+00	1.1E-03	8.8E+00	8.77E-02	1.12E-05	8.77E-02
8.00	5.5E-02			8.6E-03	9.9E-03	9.5E-03	0.0E+00	0.0E+00	0.0E+00	4.6E+02	2.5E-01	4.6E+02	4.63E+00	2.49E-03	4.63E+00
8.01		4.5E-03	5.2E-03			7.7E-03	0.0E+00	0.0E+00	0.0E+00	3.8E+02	1.3E-01	3.8E+02	3.75E+00	1.31E-03	3.75E+00
8.02		1.2E-02	1.4E-02			2.0E-03	0.0E+00	0.0E+00	0.0E+00	9.6E+01	3.6E-01	9.6E+01	9.58E-01	3.56E-03	9.61E-01
8.03				2.2E-04	2.5E-04	3.5E-03	0.0E+00	0.0E+00	0.0E+00	1.7E+02	6.4E-03	1.7E+02	1.72E+00	6.35E-05	1.72E+00
8.041	1.2E-02			1.9E-03	2.2E-03	2.1E-03	0.0E+00	0.0E+00	0.0E+00	1.0E+02	5.4E-02	1.0E+02	1.04E+00	5.45E-04	1.04E+00
8.042				6.5E-04	7.5E-04	2.1E-03	0.0E+00	0.0E+00	0.0E+00	1.0E+02	1.9E-02	1.0E+02	1.04E+00	1.89E-04	1.04E+00
8.07				2.0E-03	2.3E-03	1.8E-03	0.0E+00	0.0E+00	0.0E+00	8.7E+01	5.8E-02	8.7E+01	8.67E-01	5.82E-04	8.68E-01
8.09				2.0E-04	2.3E-04	3.1E-04	0.0E+00	0.0E+00	0.0E+00	1.5E+01	5.8E-03	1.5E+01	1.52E-01	5.77E-05	1.52E-01
8.11				1.4E-03	1.6E-03	3.0E-03	0.0E+00	0.0E+00	0.0E+00	1.5E+02	4.1E-02	1.5E+02	1.48E+00	4.14E-04	1.48E+00
8.12		3.5E-03	4.0E-03			2.6E-03	0.0E+00	0.0E+00	0.0E+00	1.3E+02	1.0E-01	1.3E+02	1.27E+00	1.00E-03	1.27E+00
8.13		4.6E-02	5.3E-02			7.3E-03	0.0E+00	0.0E+00	0.0E+00	3.6E+02	1.3E+00	3.6E+02	3.56E+00	1.34E-02	3.57E+00
8.14				2.1E-04	2.4E-04	2.3E-03	0.0E+00	0.0E+00	0.0E+00	1.1E+02	6.0E-03	1.1E+02	1.14E+00	5.98E-05	1.14E+00
8.15	2.0E-03			3.1E-04	3.5E-04	1.9E-05	0.0E+00	0.0E+00	0.0E+00	9.4E-01	8.9E-03	9.5E-01	9.38E-03	8.89E-05	9.47E-03
8.16		2.6E-03	3.0E-03			1.3E-03	0.0E+00	0.0E+00	0.0E+00	6.2E+01	7.5E-02	6.2E+01	6.21E-01	7.48E-04	6.22E-01
8.18		4.9E-04	5.7E-04			4.2E-04	0.0E+00	0.0E+00	0.0E+00	2.1E+01	1.4E-02	2.1E+01	2.05E-01	1.42E-04	2.05E-01
8.20				9.3E-03	1.1E-02	1.2E-02	0.0E+00	0.0E+00	0.0E+00	6.1E+02	2.7E-01	6.1E+02	6.06E+00	2.68E-03	6.06E+00
8.21		1.8E-04	2.1E-04			2.2E-03	0.0E+00	0.0E+00	0.0E+00	1.1E+02	5.2E-03	1.1E+02	1.09E+00	5.24E-05	1.09E+00
9.00		1.2E-03	1.4E-03			1.7E-03	0.0E+00	0.0E+00	0.0E+00	8.3E+01	3.5E-02	8.3E+01	8.32E-01	3.50E-04	8.33E-01
9.01				1.2E-03	1.3E-03	1.7E-02	0.0E+00	0.0E+00	0.0E+00	8.5E+02	3.4E-02	8.5E+02	8.49E+00	3.39E-04	8.49E+00
9.02	1.2E-03	1.8E-05	2.1E-05			1.4E-03	0.0E+00	0.0E+00	0.0E+00	6.8E+01	5.3E-04	6.8E+01	6.75E-01	5.34E-06	6.75E-01
9.03				2.1E-03	2.4E-03	5.0E-03	0.0E+00	0.0E+00	0.0E+00	2.4E+02	6.0E-02	2.5E+02	2.45E+00	5.96E-04	2.45E+00
9.04		1.6E-03	1.9E-03			8.6E-03	0.0E+00	0.0E+00	0.0E+00	4.2E+02	4.7E-02	4.2E+02	4.17E+00	4.73E-04	4.17E+00
9.11		4.4E-02	5.1E-02			4.0E-03	0.0E+00	0.0E+00	0.0E+00	1.9E+02	1.3E+00	1.9E+02	1.93E+00	1.27E-02	1.95E+00
10.00				2.2E-03	2.5E-03	2.1E-03	0.0E+00	0.0E+00	0.0E+00	1.0E+02	6.4E-02	1.0E+02	1.01E+00	6.42E-04	1.01E+00
10.02				8.6E-02	9.9E-02	1.3E-02	0.0E+00	0.0E+00	0.0E+00	6.2E+02	2.5E+00	6.2E+02	6.15E+00	2.49E-02	6.18E+00
11.00				6.9E-03	7.9E-03	3.7E-03	0.0E+00	0.0E+00	0.0E+00	1.8E+02	2.0E-01	1.8E+02	1.82E+00	1.98E-03	1.82E+00
11.01				2.5E-02	2.8E-02	1.7E-03	0.0E+00	0.0E+00	0.0E+00	8.4E+01	7.1E-01	8.4E+01	8.35E-01	7.15E-03	8.43E-01
11.02				1.2E-01	1.4E-01	2.0E-02	0.0E+00	0.0E+00	0.0E+00	9.8E+02	3.5E+00	9.8E+02	9.78E+00	3.51E-02	9.81E+00
11.03				2.2E-02	2.5E-02	3.6E-03	0.0E+00	0.0E+00	0.0E+00	1.8E+02	6.3E-01	1.8E+02	1.76E+00	6.27E-03	1.77E+00
11.04				4.5E-03	5.2E-03	1.7E-03	0.0E+00	0.0E+00	0.0E+00	8.4E+01	1.3E-01	8.5E+01	8.45E-01	1.30E-03	8.46E-01
11.05				2.5E-03	2.9E-03	1.9E-03	0.0E+00	0.0E+00	0.0E+00	9.4E+01	7.3E-02	9.4E+01	9.41E-01	7.26E-04	9.42E-01
11.06				7.4E-03	8.5E-03	1.8E-03	0.0E+00	0.0E+00	0.0E+00	8.7E+01	2.1E-01	8.7E+01	8.70E-01	2.14E-03	8.72E-01
11.07				8.1E-03	9.3E-03	3.4E-03	0.0E+00	0.0E+00	0.0E+00	1.6E+02	2.3E-01	1.6E+02	1.64E+00	2.33E-03	1.64E+00
11.08				0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.00E+00	0.00E+00	0.00E+00
11.09		2.0E-02	2.2E-02			2.4E-03	0.0E+00	0.0E+00	0.0E+00	1.2E+02	5.7E-01	1.2E+02	1.19E+00	5.66E-03	1.20E+00
12.00		4.4E-03	5.0E-03			2.5E-03	0.0E+00	0.0E+00	0.0E+00	1.2E+02	1.3E-01	1.2E+02	1.21E+00	1.27E-03	1.21E+00
12.01				2.1E-03	2.4E-03	5.1E-03	0.0E+00	0.0E+00	0.0E+00	2.5E+02	6.1E-02	2.5E+02	2.48E+00	6.06E-04	2.48E+00
12.02				1.0E-02	1.2E-02	5.1E-03	0.0E+00	0.0E+00	0.0E+00	2.5E+02	2.9E-01	2.5E+02	2.50E+00	2.92E-03	2.51E+00
12.03		2.9E-06	3.3E-06			5.6E-06	0.0E+00	0.0E+00	0.0E+00	2.7E-01	8.3E-05	2.7E-01	2.72E-03	8.32E-07	2.72E-03
12.04				1.4E-03	1.6E-03	8.3E-05	0.0E+00	0.0E+00	0.0E+00	4.0E+00	4.1E-02	4.1E+00	4.04E-02	4.06E-04	4.08E-02
13.00				2.2E-03	2.6E-03	1.2E-02	0.0E+00	0.0E+00	0.0E+00	5.9E+02	6.5E-02	5.9E+02	5.87E+00	6.50E-04	5.87E+00
13.01				5.1E-04	5.8E-04	5.7E-03	0.0E+00	0.0E+00	0.0E+00	2.8E+02	1.5E-02	2.8E+02	2.77E+00	1.46E-04	2.77E+00
13.02		4.6E-02	5.3E-02			7.4E-03	0.0E+00	0.0E+00	0.0E+00	3.6E+02	1.3E+00	3.6E+02	3.62E+00	1.34E-02	3.63E+00
13.04	0.0E+00			0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.00E+00	0.00E+00	0.00E+00
13.05				8.2E-04	9.4E-04	1.4E-02	0.0E+00	0.0E+00	0.0E+00	6.6E+02	2.4E-02	6.6E+02	6.59E+00	2.38E-04	6.59E+00
13.07				8.0E-03	9.1E-03	3.4E-03	0.0E+00	0.0E+00	0.0E+00	1.7E+02	2.3E-01	1.7E+02	1.68E+00	2.31E-03	1.68E+00
13.10				1.2E-02	1.4E-02	6.1E-03	0.0E+00	0.0E+00	0.0E+00	3.0E+02	3.5E-01	3.0E+02	2.95E+00	3.47E-03	2.96E+00
13.11				3.0E-03	3.4E-03	7.5E-03	0.0E+00	0.0E+00	0.0E+00	3.7E+02	8.6E-02	3.7E+02	3.66E+00	8.55E-04	3.66E+00
13.12				2.7E-02	3.1E-02	1.1E-02	0.0E+00	0.0E+00	0.0E+00	5.6E+02	7.8E-01	5.6E+02	5.57E+00	7.77E-03	5.58E+00
13.13		4.3E-04	5.0E-04			2.3E-05	0.0E+00	0.0E+00	0.0E+00	1.1E+00	1.3E-02	1.1E+00	1.12E-02	1.25E-04	1.13E-02
13.14				3.7E-05	4.3E-05	8.4E-06	0.0E+00	0.0E+00	0.0E+00	4.1E-01	1.1E-03	4.1E-01	4.10E-03	1.08E-05	4.11E-03
14.00		2.5E-04	2.9E-04			1.5E-03	0.0E+00	0.0E+00	0.0E+00	7.1E+01	7.3E-03	7.1E+01	7.10E-01	7.33E-05	7.10E-01
14.01		0.0E+00	0.0E+00			0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.00E+00	0.00E+00	0.00E+00
15.01				5.7E-03	6.6E-03	2.8E-03	0.0E+00	0.0E+00	0.0E+00	1.4E+02	1.7E-01	1.4E+02	1.38E+00	1.66E-03	1.38E+00
15.02	1.6E-02			2.5E-03	2.9E-03	4.2E-03	0.0E+00	0.0E+00	0.0E+00	2.0E+02	7.2E-02	2.0E+02	2.05E+00	7.24E-04	2.05E+00
16.00				2.4E-02	2.7E-02	1.5E-03	0.0E+00	0.0E+00	0.0E+00	7.3E+01	6.9E-01	7.3E+01	7.25E-01	6.87E-03	7.32E-01
17.00		2.2E-04	2.5E-04			3.3E-03	0.0E+00	0.0E+00	0.0E+00	1.6E+02	6.3E-03	1.6E+02	1.61E+00	6.27E-05	1.61E+00
17.01		1.1E-05	1.3E-05			4.1E-04	0.0E+00	0.0E+00	0.0E+00	2.0E+01	3.3E-04	2.0E+01	2.00E-01	3.30E-06	2.00E-01
21.00		7.5E-04	8.6E-04			2.0E-03	0.0E+00	0.0E+00	0.0E+00	9.8E+01	2.2E-02	9.8E+01	9.78E-01	2.17E-04	9.79E-01
21.01	4.7E-02	7.3E-04	8.4E-04			2.4E-03	0.0E+00	0.0E+00	0.0E+00	1.2E+02	2.1E-02	1.2E+02	1.16E+00	2.11E-04	1.16E+00
21.02	4.1E-04	7.0E-06	8.0E-06			9.6E-06	0.0E+00	0.0E+00	0.0E+00	4.7E-01	2.0E-04	4.7E-01	4.69E-03	2.02E-06	4.69E-03
21.03		0.0E+00	0.0E+00			0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.00E+00	0.00E+00	0.00E+00
23.00		3.1E-03	3.6E-03			8.8E-03	0.0E+00	0.0E+00	0.0E+00	4.3E+02	9.0E-02	4.3E+02	4.31E+00	8.99E-04	4.31E+00
24.00				2.2E-03	2.5E-03	3.9E-03	0.0E+00	0.0E+00	0.0E+00	1.9E+02	6.2E-02	1.9E+02	1.92E+00	6.23E-04	1.92E+00
24.01		3.7E-04	4.2E-04			6.1E-03	0.0E+00	0.0E+00	0.0E+00	3.0E+02	1.1E-02	3.0E+02	2.95E+00	1.06E-04	2.95E+00
24.02	9.3E-03	3.6E-03	4.2E-03			2.6E-04	0.0E+00	0.0E+00	0.0E+00	1.3E+01	1.1E-01	1.3E+01	1.29E-01	1.05E-03	1.30E-01
24.03		2.4E-03	2.7E-03			4.2E-05	0.0E+00	0.0E+00	0.0E+00	2.0E+00	6.9E-02	2.1E+00	2.03E-02	6.92E-04	2.10E-02
24.04		0.0E+00	0.0E+00			0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.00E+00	0.00E+00	0.00E+00
25.00		8.5E-05	9.7E-05			4.0E-03	0.0E+00	0.0E+00	0.0E+00	1.9E+02	2.5E-03	1.9E+02	1.95E+00	2.45E-05	1.95E+00
26.01		1.0E-02	1.1E-02			1.1E-03	0.0E+00	0.0E+00	0.0E+00	5.3E+01	2.9E-01	5.3E+01	5.27E-01	2.88E-03	5.30E-01
26.02				8.2E-04	9.4E-04	1.8E-03	0.0E+00	0.0E+00	0.0E+00	8.9E+01	2.4E-02	8.9E+01	8.88E-01	2.36E-04	8.88E-01
27.01		9.0E-03	1.0E-02			1.8E-03	0.0E+00	0.0E+00	0.0E+00	8.7E+01	2.6E-01	8.7E+01	8.66E-01	2.61E-03	8.68E-01
27.02		1.9E-02	2.2E-02			2.0E-03	0.0E+00	0.0E+00	0.0E+00	9.7E+01	5.5E-01	9.8E+01	9.74E-01	5.49E-03	9.80E-01
27.03		1.0E-02	1.2E-02			2.0E-03	0.0E+00	0.0E+00	0.0E+00	9.8E+01	2.9E-01	9.9E+01	9.85E-01	2.94E-03	9.88E-01
27.04				2.1E-03	2.4E-03	2.7E-03	0.0E+00	0.0E+00	0.0E+00	1.3E+02	6.0E-02	1.3E+02	1.31E+00	5.98E-04	1.31E+00
28.01				1.4E-03	1.6E-03	3.7E-04	0.0E+00	0.0E+00	0.0E+00	1.8E+01	4.0E-02	1.8E+01	1.79E-01	3.99E-04	1.79E-01
													9.78E+00	3.51E-02	9.81E+00
													0	0	0

Influent composition after scaling for emissions to water/wastewater

Block	C#i (>=)	C#f (<)	1 n-P (weight %)	2 i-P (weight %)	3 n-CC5 (weight %)	4 n-CC6 (weight %)	5 i-N (weight %)	6 Di-N (weight %)	7 n-Olefins (weight %)	8 i-Olefins (weight %)	9 Poly-N (weight %)	10 AlS (weight %)	11 MoAr (weight %)	12 NMAr (weight %)	13 DiAr (weight %)	14 NDiAr (weight %)	15 PolyAr (weight %)	16 ArS (weight %)
1	3	6	3.3E+00	4.7E+00	1.8E+00				2.9E+00	4.9E+00								
2	6	9	2.0E-01	5.9E-01		9.8E-02	7.9E-02		1.1E-01	4.6E-01			7.9E+01					
3	9	12	1.6E-04	8.1E-04			4.8E-04						1.4E+00		7.0E-02			
4	12	15											1.8E-04					
5	15	18																
6	18	21																
7	21	24																
8	24	27																
9	27	30																
10	30	>30	1.6E-18															
		Sum:	100.00															

Speciated effluent PEC composition

Block	C#i (>=)	C#f (<)	1 n-P mg/L	2 i-P mg/L	3 n-CC5 mg/L	4 n-CC6 mg/L	5 i-N mg/L	6 Di-N mg/L	7 n-Olefins mg/L	8 i-Olefins mg/L	9 Poly-N mg/L	10 AlS mg/L	11 MoAr mg/L	12 NMAr mg/L	13 DiAr mg/L	14 NDiAr mg/L	15 PolyAr mg/L	16 ArS mg/L
1	3	6	1.1E-01	1.4E-01	8.0E-02				7.7E-02	1.2E-01								
2	6	9	6.7E-03	2.0E-02		4.6E-03	3.1E-03		3.6E-03	1.3E-02			4.3E+00					
3	9	12	4.9E-06	2.6E-05			1.7E-05						7.3E-02		8.6E-03			
4	12	15											7.1E-06					
5	15	18																
6	18	21																
7	21	24																
8	24	27																
9	27	30																
10	30	>30	1.4E-19															
		Sum:	4.96															

Risk quotients by block in effluent

C#f (<)	1 n-P RCR in Effluent	2 i-P RCR in Effluent	3 n-CC5 RCR in Effluent	4 n-CC6 RCR in Effluent	5 i-N RCR in Effluent	6 Di-N RCR in Effluent	7 n-Olefins RCR in Effluent	8 i-Olefins RCR in Effluent	9 Poly-N RCR in Effluent	10 AlS RCR in Effluent	11 MoAr RCR in Effluent	12 NMAr RCR in Effluent	13 DiAr RCR in Effluent	14 NDiAr RCR in Effluent	15 PolyAr RCR in Effluent	16 ArS RCR in Effluent
6	1.9E-02	3.0E-02	5.0E-03				8.2E-03	9.6E-03								
9	7.8E-03	3.4E-02		2.1E-03	7.2E-03		2.8E-03	1.3E-02			3.1E-01					
12	1.3E-04	6.9E-04			1.9E-04						5.2E-02		8.4E-03			
15											9.2E-05					
18																
21																
24																
27																
30																
>30																
Sum:	0.51															

Tier 2 Site-Specific Production *Low_Boiling_Point_Naphthas (Gasolines)_PETRORISK_v6*

Generic exposure scenario for production

Max	Emission Factors			Local Default Operating Conditions					PEC	HI	HI	Total HI	HI - RCR	HI - RCR	HI - RCR
Local Site Tonnage T/yr	**Air EF %**	**Water EF %**	**Soil EF %**	**Duration of Site Operation days**	**Wastewater flow m3/d**	**Dilution Factor River**	**Dilution Factor Marine**	**Sludge Application**	**Air** mg/m3	**Inhalation** ug/kg/d	**Indirect Dose** ug/kg/d	**Total** ug/kg/d	**Inhalation**	**Indirect Dose**	**Total**
6.00E+05	**0.04901961**	**5.34E-02**	**0.01**	**300**	**10000**	**10**	**100**	**N**	2.46E-01	7.03E+01	2.29E+01	9.32E+01	7.03E-01	2.29E-01	9.32E-01

Scaled Local Site-Specific Refinery Assessments

Please refer to the registrant's IUCLID section 3.3 (Other IT identifiers) for the identification of the refinery code.

refinery code	**SubstanceProduction**	**Feedstock throughput**	**WWTP flow**	**TPH in effluent**	**Receiving water type.** Specify 'Riverine' or 'Marine' only.	**Capped Dilution factor**	**Reported Dilution factor**	**Final Wastewater Treatment On Site ?**	MEC **Measured benzene data converted to Naphtha MEC-air**	HI **Inhalation**	HI **Indirect Dose**	Total HI **Total**	HI - RCR **Inhalation**	HI - RCR **Indirect Dose**	HI - RCR **Total**
	T/yr	T/yr	m3/d	mg/L				Y/N	mg/m3	ug/kg/d	ug/kg/d	ug/kg/d			
1.00	1.5E+06	9.4E+06	1.8E+04	1.8E-01	Riverine	1000	2044	Y	3.4E-01	9.7E+01	1.3E-03	9.7E+01	0.97	0.0000	0.97
2.00	3.2E+06	1.7E+07	3.0E+04	3.6E+00	Marine	448	448	Y	3.4E-01	9.7E+01	7.1E-02	9.7E+01	0.97	0.0007	0.97
2.04	1.6E+06	1.5E+07	5.3E+03	5.0E-01	Riverine	1000	1554	Y	2.4E-01	6.9E+01	2.5E-03	6.9E+01	0.69	0.0000	0.69
3.01	1.4E+06	5.0E+06	4.1E+03	1.4E+00	Marine	100	100	Y	2.0E-01	5.7E+01	1.8E-01	5.7E+01	0.57	0.0018	0.57
4.00	4.0E+06	8.9E+06	1.3E+04	1.2E-01	Marine	100	100	Y	2.0E-01	5.7E+01	2.5E-02	5.7E+01	0.57	0.0003	0.57
4.01	9.6E+05	2.4E+06	4.2E+03	3.0E-01	Marine	100	100	Y	2.0E-01	5.7E+01	5.6E-02	5.7E+01	0.57	0.0006	0.57
5.02	2.5E+06	9.3E+06	4.3E+03	1.1E+00	Marine	1000	19212	Y	3.1E-01	8.9E+01	1.4E-02	8.9E+01	0.89	0.0001	0.89
5.04	1.5E+06	3.8E+06	7.7E+02	1.2E+00	Riverine	1000	23553	Y	2.9E-01	8.3E+01	2.1E-02	8.3E+01	0.83	0.0002	0.83
5.05	7.3E+06	1.1E+07	3.4E+04	5.0E-02	Marine	100	100	Y	2.1E-01	6.0E+01	1.5E-02	6.0E+01	0.60	0.0001	0.60
5.10	1.8E+06	6.4E+06	7.5E+03	1.5E+00	Marine	338	338	Y	2.7E-01	7.7E+01	6.0E-02	7.7E+01	0.77	0.0006	0.77
5.11	2.0E+06	1.6E+07	7.5E+03	1.9E+00	Marine	100	100	Y	2.8E-01	8.0E+01	1.0E-01	8.0E+01	0.80	0.0010	0.80
5.12	2.2E+06	7.2E+06	7.4E+03	1.2E+00	Marine	103	103	Y	2.0E-01	5.7E+01	1.7E-01	5.7E+01	0.57	0.0017	0.57
5.14	2.4E+06	8.4E+06	5.8E+04	2.3E+00	Marine	100	100	Y	2.0E-01	5.7E+01	3.0E-01	5.7E+01	0.57	0.0030	0.57
6.01	5.0E+06	1.6E+07	1.2E+04	1.0E-01	Riverine	1000	6690	Y	2.0E-01	5.7E+01	1.5E-03	5.7E+01	0.57	0.0000	0.57
6.04	1.4E+06	4.7E+06	1.8E+03	1.6E-01	Riverine	1000	14683	Y	1.6E-01	4.6E+01	2.2E-03	4.6E+01	0.46	0.0000	0.46
6.08 A	2.6E+06	3.4E+06	5.4E+03	8.4E-01	Riverine	1000	5052	Y	3.0E-02	8.6E+00	3.0E-02	8.6E+00	0.09	0.0003	0.09
6.10	2.1E+06	8.5E+06	5.8E+03	1.0E-01	Marine	100	100	Y	1.1E-01	3.1E+01	1.1E-02	3.1E+01	0.31	0.0001	0.31
6.11	1.4E+06	5.1E+06	6.3E+03	3.5E-01	Riverine	1000	9342	Y	3.5E-01	1.0E+02	4.3E-03	1.0E+02	1.00	0.0000	1.00
6.15	1.5E+06	5.0E+06	5.8E+03	3.0E-01	Riverine	648	648	Y	1.7E-01	4.9E+01	6.5E-03	4.9E+01	0.49	0.0001	0.49
6.17 A	1.7E+06	1.1E+07	1.0E+04	1.2E-01	Riverine	1000	15892	Y	2.0E-01	5.7E+01	9.2E-04	5.7E+01	0.57	0.0000	0.57
6.17 B	1.7E+06	7.1E+06	4.3E+04	2.7E-01	Riverine	1000	3837	Y	2.0E-01	5.7E+01	3.1E-03	5.7E+01	0.57	0.0000	0.57
6.18	2.4E+06	1.2E+07	1.9E+04	2.5E-01	Riverine	1000	2279	Y	2.0E-01	5.7E+01	2.3E-03	5.7E+01	0.57	0.0000	0.57
6.23	1.3E+06	4.3E+06	1.8E+05	5.2E-01	Riverine	334	334	Y	2.0E-01	5.7E+01	2.2E-02	5.7E+01	0.57	0.0002	0.57
6.24 A	1.1E+06	5.3E+06	9.7E+03	2.0E+00	Riverine	143	143	Y	2.0E-01	5.7E+01	1.4E-01	5.7E+01	0.57	0.0014	0.57
6.24 B	1.1E+06	6.6E+06	2.2E+04	2.7E-01	Riverine	63	63	N	2.0E-01	5.7E+01	3.5E-02	5.7E+01	0.57	0.0004	0.57
6.26	2.9E+06	9.4E+06	6.4E+03	2.2E-01	Riverine	973	973	Y	1.5E-01	4.3E+01	3.1E-03	4.3E+01	0.43	0.0000	0.43
7.00	2.6E+06	7.3E+06	4.4E+04	1.6E+00	Marine	100	100	Y	2.0E-01	5.7E+01	2.7E-01	5.7E+01	0.57	0.0027	0.57
8.00	3.9E+06	9.0E+06	1.4E+04	1.2E+00	Marine	100	100	N	2.0E-01	5.7E+01	2.5E-01	5.7E+01	0.57	0.0025	0.57
8.01	3.2E+06	6.9E+06	7.1E+03	1.2E+00	Riverine	195	195	Y	2.0E-01	5.7E+01	1.3E-01	5.7E+01	0.57	0.0013	0.57
8.03	1.5E+06	5.3E+06	2.7E+04	5.0E-02	Marine	100	100	Y	3.0E-01	8.6E+01	6.4E-03	8.6E+01	0.86	0.0001	0.86
8.041	8.9E+05	5.6E+06	5.0E+03	7.4E-01	Marine	100	100	N	2.0E-01	5.7E+01	5.4E-02	5.7E+01	0.57	0.0005	0.57
8.042	8.9E+05	1.0E+07	5.0E+04	4.7E-01	Marine	100	100	Y	2.0E-01	5.7E+01	1.9E-02	5.7E+01	0.57	0.0002	0.57
8.11	1.3E+06	8.2E+06	1.7E+04	5.8E-01	Marine	100	100	Y	2.0E-01	5.7E+01	4.1E-02	5.7E+01	0.57	0.0004	0.57
8.12	1.1E+06	4.3E+06	1.2E+04	2.3E+00	Riverine	267	267	Y	2.0E-01	5.7E+01	1.0E-01	5.7E+01	0.57	0.0010	0.57
8.13	3.0E+06	9.0E+06	1.8E+04	8.6E-01	Riverine	10	10	Y	3.4E-01	9.7E+01	1.3E+00	9.8E+01	0.97	0.0134	0.98
8.14	9.7E+05	3.8E+06	1.5E+05	5.0E-02	Marine	100	100	Y	2.0E-01	5.7E+01	6.0E-03	5.7E+01	0.57	0.0001	0.57
8.20	5.2E+06	1.6E+07	1.7E+04	1.7E+00	Marine	100	100	Y	3.5E-01	1.0E+02	2.7E-01	1.0E+02	1.00	0.0027	0.9998
8.21	9.3E+05	3.1E+06	1.0E+04	3.8E-01	Riverine	1000	1794	Y	2.0E-01	5.7E+01	5.2E-03	5.7E+01	0.57	0.0001	0.57
9.01	7.2E+06	1.1E+07	1.5E+04	1.1E+00	Marine	1000	10001	Y	2.0E-01	5.7E+01	3.4E-02	5.7E+01	0.57	0.0003	0.57
9.03	2.1E+06	1.5E+07	1.4E+04	9.3E-01	Marine	100	100	Y	4.0E-02	1.1E+01	6.0E-02	1.1E+01	0.11	0.0006	0.11
9.04	3.6E+06	1.9E+07	2.5E+04	8.0E-01	Riverine	145	145	Y	2.0E-01	5.7E+01	4.7E-02	5.7E+01	0.57	0.0005	0.57
9.11	1.7E+06	2.5E+06	2.0E+02	1.0E+00	Riverine	24	24	Y	2.0E-01	5.7E+01	1.3E+00	5.8E+01	0.57	0.0127	0.58
10.00	8.6E+05	5.6E+06	3.2E+03	9.0E-01	Marine	100	100	Y	1.5E-01	4.3E+01	6.4E-02	4.3E+01	0.43	0.0006	0.43
10.02	5.3E+06	1.1E+07	1.4E+04	1.1E+01	Marine	100	100	Y	2.0E-01	5.7E+01	2.5E+00	6.0E+01	0.57	0.0249	0.60
11.00	1.6E+06	1.2E+07	1.3E+04	3.4E+00	Marine	100	100	Y	3.2E-01	9.1E+01	2.0E-01	9.2E+01	0.91	0.0020	0.92
11.02	8.3E+06	1.1E+07	1.4E+04	9.6E+00	Marine	100	100	Y	2.0E-01	5.7E+01	3.5E+00	6.1E+01	0.57	0.0351	0.61
11.03	1.5E+06	4.9E+06	5.5E+03	4.4E+00	Marine	100	100	Y	2.0E-01	5.7E+01	6.3E-01	5.8E+01	0.57	0.0063	0.58
11.07	1.4E+06	8.3E+06	7.8E+03	3.0E+00	Marine	100	100	Y	2.0E-01	5.7E+01	2.3E-01	5.7E+01	0.57	0.0023	0.57
11.09	1.0E+06	7.3E+06	1.3E+04	3.5E+00	Riverine	40	40	Y	2.0E-01	5.7E+01	5.7E-01	5.8E+01	0.57	0.0057	0.58
12.00	1.0E+06	3.9E+06	1.5E+04	5.3E-01	Riverine	50	50	Y	2.0E-01	5.7E+01	1.3E-01	5.7E+01	0.57	0.0013	0.57
12.01	2.1E+06	1.0E+07	7.8E+03	6.4E-01	Marine	100	100	Y	1.0E-01	2.9E+01	6.1E-02	2.9E+01	0.29	0.0006	0.29
12.02	2.1E+06	5.4E+06	2.5E+03	1.6E+00	Marine	100	100	Y	2.0E-01	5.7E+01	2.9E-01	5.7E+01	0.57	0.0029	0.57
13.00	5.0E+06	1.9E+07	2.4E+05	5.2E-01	Marine	100	100	Y	1.0E-01	2.9E+01	6.5E-02	2.9E+01	0.29	0.0007	0.29
13.01	2.4E+06	9.7E+06	8.0E+03	1.3E+00	Marine	1000	2595	Y	2.0E-01	5.7E+01	1.5E-02	5.7E+01	0.57	0.0001	0.57
13.02	3.1E+06	1.0E+07	4.4E+03	5.0E+00	Riverine	53	53	Y	2.5E-01	7.1E+01	1.3E+00	7.3E+01	0.71	0.0134	0.73
13.05	5.6E+06	1.1E+07	7.8E+03	1.0E-01	Marine	100	100	Y	2.0E-01	5.7E+01	2.4E-02	5.7E+01	0.57	0.0002	0.57
13.07	1.4E+06	6.3E+06	9.2E+03	2.2E+00	Marine	100	100	Y	2.2E-01	6.3E+01	2.3E-01	6.3E+01	0.63	0.0023	0.63
13.10	2.5E+06	9.1E+06	3.0E+03	2.7E+00	Marine	100	100	Y	2.9E-01	8.3E+01	3.5E-01	8.3E+01	0.83	0.0035	0.83
13.11	3.1E+06	8.4E+06	1.6E+04	5.0E-01	Marine	100	100	Y	2.0E-01	5.7E+01	8.6E-02	5.7E+01	0.57	0.0009	0.57
13.12	4.8E+06	1.2E+07	7.3E+03	4.3E+00	Marine	100	100	Y	2.0E-01	5.7E+01	7.8E-01	5.8E+01	0.57	0.0078	0.58
15.01	1.2E+06	4.9E+06	7.6E+03	1.5E+00	Marine	100	100	Y	2.1E-01	6.0E+01	1.7E-01	6.0E+01	0.60	0.0017	0.60
15.02	1.7E+06	9.3E+06	5.2E+03	8.3E-01	Marine	100	100	N	2.0E-01	5.7E+01	7.2E-02	5.7E+01	0.57	0.0007	0.57
17.00	1.4E+06	8.1E+06	2.9E+04	8.0E-01	Riverine	1000	3944	Y	1.2E-01	3.4E+01	6.3E-03	3.4E+01	0.34	0.0001	0.34
21.01	9.9E+05	5.1E+06	5.3E+03	2.4E+00	Riverine	1000	2326	N	2.0E-01	5.7E+01	2.1E-02	5.7E+01	0.57	0.0002	0.57
23.00	3.7E+06	9.4E+06	8.8E+03	5.0E-02	Riverine	10	10	Y	3.0E-01	8.6E+01	9.0E-02	8.6E+01	0.86	0.0009	0.86
24.00	1.6E+06	6.2E+06	2.0E+03	5.1E-01	Marine	100	100	Y	1.2E-01	3.4E+01	6.2E-02	3.4E+01	0.34	0.0006	0.34
24.01	2.5E+06	1.4E+07	2.3E+04	1.3E+00	Riverine	1000	1132	Y	1.7E-01	5.0E+01	1.1E-02	5.0E+01	0.50	0.0001	0.50
25.00	1.7E+06	6.6E+06	1.9E+05	1.2E-01	Riverine	562	562	Y	2.0E-01	5.7E+01	2.5E-03	5.7E+01	0.57	0.0000	0.57
27.04	1.1E+06	4.4E+06	1.8E+04	5.1E-01	Marine	100	100	Y	2.0E-01	5.7E+01	6.0E-02	5.7E+01	0.57	0.0006	0.57

Multimedia Distribution *Low_Boiling_Point_Naphthas (Gasolines)_PETRORISK_v6*

Results from Regional Calculations

	PEC	units	Vol/Mass	Units	Mass (kg)	Distribution (%)			Volumes		
Fresh Water	2.1E-02	mg/L	3.6E+12	L	7.7E+04	7.6E+00		FW	3.60E+09	m3	
Fresh Water Sediment	6.1E-02	mg/kgw	3.0E+11	kg	1.8E+04	1.8E+00		Sediment	1.20E+08	m3	
Marine Water	7.7E-05	mg/L	4.0E+12	L	3.1E+02	3.0E-02		Marine	4.00E+09	m3	
Marine Sediment	1.4E-03	mg/kgw	1.0E+11	kg	1.4E+02	1.4E-02		MrSed	40000000	m3	
Natural Soil	3.7E-03	mg/kgw	2.7E+12	kg	1.0E+04	9.9E-01		Nat Soil	1.08E+09	m3	
Air	2.2E-02	mg/m3	4.0E+13	m3	8.9E+05	8.8E+01		Air	4.00E+13	m3	
Agricultural Soil	1.7E-03	mg/kgw	6.0E+12	kg	1.0E+04	1.0E+00		Ag Soil	2.40E+09	m3	
Fish	5.9E-01	mg/kgw				**100.00**	**sum**				
Leaf	7.5E-03	mg/kgw									
Root	1.2E-01	mg/kgw		Total Mass	1.0E+06	kg hydrocarbons					
Meat	3.9E-02	mg/kgw									
Milk	1.2E-02	mg/kgw									
Drinking Water	1.1E-02	mg/L									

Parameters from Eutgdsheet v123

Density	2500	Kg/m3
Area of Region	40000	Km2
Frac fw	0.03	fr
Frac Natural	0.27	fr
Frac Ag soil	0.6	fr
Frac Urban	0.1	fr
ıgth regional sea water	40000	m
Width regional sea water	10000	m
Area Sea	4E+08	m2
Mixing depth Soil/Sed	0.1	m
Depth FW	3	m
Depth Sea	10	m
Height Air	1000	m

ProductLibrary

Low_Boiling_Point_Naphthas (Gasolines)_PETRORISK_v6

output field: A1:U1520

HighResolution

NOTES

	Block ID	Compound	Chemical	SMILES	Chemical	Water Solubility	Log Henry's Law Constant	Log (K_{OW})	Log (K_{OC})	Half-Lives Air	Water	Soil	Sediment	Wastewater	Aqueous HC5	Wastewater HC5	Soil HC5	sediment HC5	Product mass Emission Speciation for Soil Mass Fraction	Aq. Solubility-scaled Emmision Speciation for Water Mass Fraction	VP-scaled Emission Speciation for Air Mass Fraction
count: 146	Block, Class	ID	Name		Class	(mg/L)	(atm-m3/mol)			Hrs	Days	Days	Days	Hrs	(ug/L)	(ug/L)	mg/kg WW	mg/kg WW	1.00E+00	1.00E+00	1.00E+00
Max						1.6.E+03	3.71	20.43	13.90	6.6.E+01	5.4.E+02	5.4.E+02	2.2.E+03	1.2.E+02	2.1.E+03	3.4.E+04	6.1.E+08	1.5.E+09			
Min						5.1.E-18	-3.44	2.00	1.83	1.5.E+00	1.6.E+00	1.6.E+00	6.2.E+00	1.7.E-01	8.8.E-01	1.3.E+01	1.3.E-01	3.3.E-01			
Detailed output	1,1	1454	n-butane	CCCC	n-Paraffins	8.1.E+01	-0.14	2.60	1.97	4.9E+01	3.5E+00	3.5E+00	1.4E+01	4.2E-01	5.6E+02	**8.8E+03**	7.5E-01	1.4E+00	2.9E-02	2.0E-02	1.2E-01
	1,1	1455	n-pentane	CCCCC	n-Paraffins	6.5.E+01	-0.08	3.11	2.37	3.2E+01	4.0E+00	4.0E+00	1.6E+01	5.0E-01	2.3E+02	3.6E+03	5.5E-01	1.2E+00	2.9E-02	1.3E-02	8.6E-02
	2,1	727	n-Octane	CCCCCCCC	n-Paraffins	1.3.E+00	0.28	4.75	4.30	1.5E+01	6.4E+00	6.4E+00	2.6E+01	8.4E-01	1.0E+01	**1.6E+02**	1.6E+00	4.0E+00	1.4E-02	8.2E-05	1.2E-03
	2,1	1005	n-heptane	CCCCCCC	n-Paraffins	4.9.E+00	0.15	4.20	3.88	1.9E+01	5.5E+00	5.5E+00	2.2E+01	7.1E-01	3.0E+01	4.7E+02	1.8E+00	4.4E+00	1.4E-02	3.6E-04	4.0E-03
	2,1	1456	n-hexane	CCCCCC	n-Paraffins	1.9.E+01	0.01	3.65	2.77	2.4E+01	4.7E+00	4.7E+00	1.9E+01	5.9E-01	8.6E+01	1.3E+03	4.4E-01	1.0E+00	1.4E-02	1.6E-03	1.3E-02
	3,1	685	n-Nonane	CCCCCCCCC	n-Paraffins	3.3.E-01	0.39	5.30	3.96	1.3E+01	7.4E+00	7.4E+00	3.0E+01	1.0E+00	3.6E+00	**5.4E+01**	2.5E-01	6.2E-01	9.3E-04	1.2E-06	2.4E-05
	3,1	704	n-Decane	CCCCCCCCCC	n-Paraffins	8.3.E-02	0.52	5.86	4.16	1.2E+01	8.7E+00	8.7E+00	3.5E+01	1.2E+00	1.2E+00	**1.8E+01**	1.3E-01	3.3E-01	9.3E-04	2.7E-07	7.3E-06
	3,1	777	n-Undecane	CCCCCCCCCCC	n-Paraffins	2.0.E-02	0.65	6.42	4.75	1.0E+01	1.0E+01	1.0E+01	4.0E+01	1.4E+00	9.2E-01	**1.4E+01**	4.0E-01	1.0E+00	9.3E-04	6.1E-08	2.2E-06
	10,1	1020	n-Triacontane	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	n-Paraffins	3.0.E-14	2.86	17.06	12.31	3.3E+00	1.4E+02	1.4E+02	5.7E+02	2.8E+01	**1.1E+00**	**1.6E+01**	1.7E+07	4.1E+07	3.6E-04	1.3E-20	7.7E-17
	10,1	1021	n-Hentriacontane	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	n-Paraffins	5.1.E-15	3.31	17.78	12.71	3.1E+00	2.5E+02	2.5E+02	1.0E+03	5.2E+01	**1.0E+00**	**1.5E+01**	4.1E+07	1.0E+08	3.6E-04	2.2E-21	3.6E-17
	10,1	1022	n-Dotriacontane	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	n-Paraffins	1.7.E-15	3.08	18.18	13.11	3.0E+00	2.9E+02	2.9E+02	1.2E+03	6.2E+01	**1.0E+00**	**1.5E+01**	1.0E+08	2.6E+08	3.6E-04	6.9E-22	6.6E-18
	10,1	1479	Tetratriacontane	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	n-Paraffins	6.3.E-17	3.71	19.50	13.90	2.9E+00	4.0E+02	4.0E+02	1.6E+03	8.7E+01	**9.9E-01**	**1.5E+01**	6.1E+08	1.5E+09	3.6E-04	2.4E-23	9.8E-19
	10,1	1480	Hexatriacontane	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	n-Paraffins	5.1.E-18	3.52	20.43	13.90	2.7E+00	5.4E+02	5.4E+02	2.2E+03	1.2E+02	**9.7E-01**	**1.4E+01**	6.0E+08	1.5E+09	3.6E-04	1.8E-24	4.9E-20
	1,2	1457	2- methylpropane	CC(C)C	iso-Paraffins	3.7.E+01	0.19	2.68	1.91	5.3E+01	3.1E+00	3.1E+00	1.2E+01	3.7E-01	4.7E+02	**7.3E+03**	5.8E-01	1.0E+00	5.7E-02	1.9E-02	2.3E-01
	1,2	1458	2- methylbutane	CC(C)CC	iso-Paraffins	7.1.E+01	-0.02	3.07	2.30	3.2E+01	3.6E+00	3.6E+00	1.4E+01	4.4E-01	2.5E+02	3.9E+03	5.5E-01	1.1E+00	5.7E-02	2.9E-02	2.2E-01
	2,2	655	3-Methylheptane	CCC(C)CCCC	iso-Paraffins	1.4.E+00	0.38	4.71	3.50	1.5E+01	5.7E+00	5.7E+00	2.3E+01	7.4E-01	1.1E+01	**1.7E+02**	2.9E-01	7.0E-01	3.3E-02	2.1E-04	4.0E-03
	2,2	656	2-Methylheptane	CC(C)CCCCC	iso-Paraffins	1.2.E+00	0.48	4.77	3.50	1.6E+01	5.7E+00	5.7E+00	2.3E+01	7.4E-01	1.0E+01	**1.6E+02**	2.5E-01	6.2E-01	3.3E-02	1.8E-04	4.3E-03
	2,2	1459	2- methylpentane	CC(C)CCC	iso-Paraffins	1.7.E+01	0.23	3.66	2.70	2.4E+01	4.2E+00	4.2E+00	1.7E+01	5.2E-01	8.3E+01	1.3E+03	3.7E-01	8.5E-01	3.3E-02	3.3E-03	4.4E-02
	2,2	1460	2,4 dimethylpentane	CC(C)CC(C)C	iso-Paraffins	4.2.E+00	0.58	4.22	3.04	1.9E+01	5.6E+00	5.6E+00	2.3E+01	7.3E-01	2.9E+01	**4.4E+02**	2.6E-01	6.2E-01	3.3E-02	7.0E-04	2.1E-02
	2,2	1461	2,3,3-trimethylbutane	CC(C)C(C)(C)C	iso-Paraffins	4.5.E+00	0.50	4.20	3.01	4.0E+01	9.4E+00	9.4E+00	3.7E+01	1.3E+00	3.0E+01	**4.6E+02**	2.5E-01	6.1E-01	3.3E-02	7.7E-04	1.9E-02
	2,2	1462	2- methylhexane	CC(C)CCCC	iso-Paraffins	4.6.E+00	0.35	4.21	3.11	1.9E+01	4.9E+00	4.9E+00	2.0E+01	6.2E-01	2.9E+01	4.5E+02	3.1E-01	7.4E-01	3.3E-02	7.7E-04	1.4E-02
	3,2	676	2,6-Dimethylheptane	CC(C)CCCC(C)C	iso-Paraffins	2.8.E-01	0.81	5.34	3.83	1.3E+01	7.6E+00	7.6E+00	3.1E+01	1.0E+00	3.3E+00	**5.0E+01**	1.7E-01	4.3E-01	5.8E-04	6.5E-07	3.3E-05
	3,2	677	2,3-Dimethylheptane	CC(C)C(C)CCCC	iso-Paraffins	3.7.E-01	0.56	5.25	3.83	1.3E+01	7.6E+00	7.6E+00	3.1E+01	1.0E+00	4.0E+00	**6.1E+01**	2.1E-01	5.3E-01	5.8E-04	8.6E-07	2.5E-05
	3,2	678	2,4-Dimethylheptane	CC(C)CC(C)CCC	iso-Paraffins	3.1.E-01	0.84	5.31	3.83	1.3E+01	7.6E+00	7.6E+00	3.1E+01	1.0E+00	3.5E+00	**5.3E+01**	1.9E-01	4.6E-01	5.8E-04	7.0E-07	3.9E-05
	3,2	679	2,5-Dimethylheptane	CC(C)CCC(C)CC	iso-Paraffins	3.5.E-01	0.70	5.27	3.83	1.3E+01	7.6E+00	7.6E+00	3.1E+01	1.0E+00	3.8E+00	**5.8E+01**	2.0E-01	5.0E-01	5.8E-04	8.0E-07	3.2E-05
	3,2	681	2-Methyloctane	CC(C)CCCCCC	iso-Paraffins	2.9.E-01	0.67	5.35	3.90	1.3E+01	6.6E+00	6.6E+00	2.7E+01	8.8E-01	3.2E+00	**4.9E+01**	2.0E-01	4.9E-01	5.8E-04	6.5E-07	2.4E-05
	3,2	682	3-Methyloctane	CCC(C)CCCCC	iso-Paraffins	3.5.E-01	0.53	5.28	3.90	1.3E+01	6.6E+00	6.6E+00	2.7E+01	8.8E-01	3.7E+00	**5.7E+01**	2.3E-01	5.7E-01	5.8E-04	8.0E-07	2.2E-05
	3,2	683	2-Ethylheptane	CC(CC)CCCCC	iso-Paraffins	3.7.E-01	0.49	5.26	3.90	1.3E+01	6.6E+00	6.6E+00	2.7E+01	8.8E-01	3.9E+00	**6.0E+01**	2.4E-01	6.0E-01	5.8E-04	8.5E-07	2.1E-05
	3,2	684	3-Ethylheptane	CCC(CC)CCCC	iso-Paraffins	3.7.E-01	0.56	5.26	3.90	1.2E+01	6.6E+00	6.6E+00	2.7E+01	8.8E-01	3.9E+00	**6.0E+01**	2.4E-01	6.0E-01	5.8E-04	8.4E-07	2.4E-05
	3,2	717	2,6-Dimethyloctane	CC(C)CCCC(C)CC	iso-Paraffins	8.5.E-02	0.84	5.84	4.24	1.1E+01	8.9E+00	8.9E+00	3.6E+01	1.2E+00	1.2E+00	**1.9E+01**	1.6E-01	4.1E-01	5.8E-04	1.7E-07	9.7E-06
	3,2	718	2,3-Dimethyloctane	CC(C)C(C)CCCCC	iso-Paraffins	9.3.E-02	0.69	5.81	4.24	1.1E+01	8.9E+00	8.9E+00	3.6E+01	1.2E+00	1.3E+00	**2.0E+01**	1.8E-01	4.4E-01	5.8E-04	1.9E-07	7.6E-06
	3,2	719	2,4-Dimethyloctane	CC(C)CC(C)CCCC	iso-Paraffins	8.4.E-02	0.92	5.84	4.24	1.1E+01	8.9E+00	8.9E+00	3.6E+01	1.2E+00	1.2E+00	**1.8E+01**	1.6E-01	4.1E-01	5.8E-04	1.7E-07	1.2E-05
	3,2	720	2,5-Dimethyloctane	CC(C)CCC(C)CCC	iso-Paraffins	9.8.E-02	0.76	5.79	4.24	1.1E+01	8.9E+00	8.9E+00	3.6E+01	1.2E+00	1.4E+00	**2.1E+01**	1.8E-01	4.6E-01	5.8E-04	2.0E-07	9.3E-06
	3,2	723	2-Methylnonane	CC(C)CCCCCCC	iso-Paraffins	8.0.E-02	0.71	5.87	4.30	1.2E+01	7.7E+00	7.7E+00	3.1E+01	1.0E+00	1.2E+00	**1.8E+01**	1.8E-01	4.4E-01	5.8E-04	1.7E-07	6.8E-06
	3,2	724	3-Methylnonane	CCC(C)CCCCCC	iso-Paraffins	9.1.E-02	0.63	5.82	4.30	1.1E+01	7.7E+00	7.7E+00	3.1E+01	1.0E+00	1.3E+00	**1.9E+01**	2.0E-01	4.9E-01	5.8E-04	1.9E-07	6.4E-06
	3,2	725	2-Ethyloctane	CC(CC)CCCCCC	iso-Paraffins	9.1.E-02	0.63	5.82	4.30	1.1E+01	7.7E+00	7.7E+00	3.1E+01	1.0E+00	1.3E+00	**1.9E+01**	2.0E-01	4.9E-01	5.8E-04	1.9E-07	6.4E-06
	3,2	726	3-Ethyloctane	CCC(CC)CCCCC	iso-Paraffins	1.0.E-01	0.59	5.77	4.30	1.1E+01	7.7E+00	7.7E+00	3.1E+01	1.0E+00	1.4E+00	**2.2E+01**	2.2E-01	5.4E-01	5.8E-04	2.1E-07	6.7E-06
	3,2	762	2,6-Dimethylnonane	CC(C)CCCC(C)CCC	iso-Paraffins	2.3.E-02	0.92	6.37	4.64	1.0E+01	1.0E+01	1.0E+01	4.2E+01	1.4E+00	9.3E-01	**1.4E+01**	3.1E-01	7.7E-01	5.8E-04	4.3E-08	2.8E-06
	3,2	763	2,3-Dimethylnonane	CC(C)C(C)CCCCCC	iso-Paraffins	2.4.E-02	0.79	6.35	4.64	1.0E+01	1.0E+01	1.0E+01	4.2E+01	1.4E+00	9.3E-01	**1.4E+01**	3.1E-01	7.7E-01	5.8E-04	4.5E-08	2.2E-06
	3,2	764	2,4-Dimethylnonane	CC(C)CC(C)CCCCC	iso-Paraffins	2.5.E-02	0.93	6.34	4.64	1.0E+01	1.0E+01	1.0E+01	4.2E+01	1.4E+00	9.3E-01	**1.4E+01**	3.1E-01	7.7E-01	5.8E-04	4.6E-08	3.1E-06
	3,2	765	2,5-Dimethylnonane	CC(C)CCC(C)CCCC	iso-Paraffins	2.4.E-02	0.91	6.36	4.64	1.0E+01	1.0E+01	1.0E+01	4.2E+01	1.4E+00	9.3E-01	**1.4E+01**	3.1E-01	7.7E-01	5.8E-04	4.5E-08	2.9E-06
	3,2	766	2,6-Diethylheptane	CC(CC)CCCC(CC)C	iso-Paraffins	2.4.E-02	0.89	6.35	4.64	9.8E+00	1.0E+01	1.0E+01	4.2E+01	1.4E+00	9.3E-01	**1.4E+01**	3.1E-01	7.7E-01	5.8E-04	4.6E-08	2.8E-06
	3,2	767	2,4-Diethylheptane	CC(CC)CC(CC)CCC	iso-Paraffins	3.3.E-02	0.84	6.23	4.64	9.5E+00	1.0E+01	1.0E+01	4.2E+01	1.4E+00	9.4E-01	**1.4E+01**	3.1E-01	7.8E-01	5.8E-04	6.2E-08	3.4E-06
	3,2	771	2-Methyldecane	CC(C)CCCCCCCC	iso-Paraffins	2.0.E-02	0.85	6.43	4.69	1.0E+01	9.0E+00	9.0E+00	3.6E+01	1.2E+00	9.2E-01	**1.4E+01**	3.5E-01	8.7E-01	5.8E-04	3.7E-08	2.1E-06
	3,2	772	3-Methyldecane	CCC(C)CCCCCCC	iso-Paraffins	2.2.E-02	0.77	6.38	4.69	1.0E+01	9.0E+00	9.0E+00	3.6E+01	1.2E+00	9.2E-01	**1.4E+01**	3.5E-01	8.8E-01	5.8E-04	4.2E-08	1.9E-06
	3,2	773	2-Ethylnonane	CC(CC)CCCCCCC	iso-Paraffins	2.2.E-02	0.77	6.38	4.69	1.0E+01	9.0E+00	9.0E+00	3.6E+01	1.2E+00	9.2E-01	**1.4E+01**	3.5E-01	8.8E-01	5.8E-04	4.2E-08	1.9E-06
	3,2	774	3-Ethylnonane	CCC(CC)CCCCCC	iso-Paraffins	2.7.E-02	0.68	6.31	4.69	9.7E+00	9.0E+00	9.0E+00	3.6E+01	1.2E+00	9.3E-01	**1.4E+01**	3.5E-01	8.8E-01	5.8E-04	5.1E-08	1.9E-06
	1,3	639	Cyclopentane	C(CCC1)C1	n-Cyclopentanes	3.0.E+02	-1.10	2.59	2.53	2.8E+01	4.5E+01	4.5E+01	1.8E+02	7.6E+00	6.8E+02	1.1E+04	2.2E+00	4.9E+00	2.3E-03	4.9E-03	3.1E-03
	1,3	1473	cyclopentene	C1C=CCC1	n-Cyclopentanes	7.8.E+02	-1.49	2.27	2.10	2.2E+00	5.5E+00	5.5E+00	2.2E+01	7.1E-01	1.3E+03	2.1E+04	2.1E+00	4.1E+00	2.3E-03	1.3E-02	3.5E-03
	2,4	641	Cyclohexane	C(CCCC1)C1	n-Cyclohexanes	8.4.E+01	-1.01	3.10	2.89	1.5E+01	5.5E+01	5.5E+01	2.2E+02	9.5E+00	2.7E+02	4.3E+03	1.8E+00	4.2E+00	1.4E-03	7.1E-04	5.5E-04
	2,4	645	Methylcyclohexane	C(CCCC1)(C1)C	n-Cyclohexanes	2.0.E+01	-0.63	3.69	3.02	1.3E+01	7.3E+00	7.3E+00	2.9E+01	9.8E-01	9.0E+01	1.4E+03	7.9E-01	1.9E+00	1.4E-03	1.5E-04	2.7E-04
	2,4	648	1,4-Dimethylcyclohexane	CC1CCC(C)CC1	n-Cyclohexanes	4.7.E+00	-0.24	4.27	3.35	1.1E+01	5.1E+00	5.1E+00	2.0E+01	6.5E-01	2.9E+01	4.5E+02	5.2E-01	1.3E+00	1.4E-03	3.0E-05	1.3E-04
	2,4	649	1,2-Dimethylcyclohexane	CC1C(C)CCCC1	n-Cyclohexanes	4.8.E+00	-0.20	4.26	3.35	1.1E+01	5.1E+00	5.1E+00	2.0E+01	6.5E-01	3.0E+01	4.6E+02	5.3E-01	1.3E+00	1.4E-03	3.1E-05	1.6E-04
	2,4	653	1,3-Dimethylcyclohexane	CC1CC(C)CCC1	n-Cyclohexanes	4.8.E+00	-0.20	4.26	3.35	1.1E+01	5.1E+00	5.1E+00	2.0E+01	6.5E-01	3.0E+01	4.6E+02	5.3E-01	1.3E+00	1.4E-03	3.1E-05	1.5E-04
	2,4	671	Ethylcyclohexane	CCC1CCCCC1	n-Cyclohexanes	5.3.E+00	-0.49	4.22	3.79	1.1E+01	8.5E+00	8.5E+00	3.4E+01	1.2E+00	3.3E+01	5.0E+02	1.6E+00	3.9E+00	1.4E-03	3.4E-05	8.7E-05
	2,5	650	Isopropylcyclopentane	C(CC1)CC1C(C)C	other naphthenics	4.3.E+00	-0.28	4.30	3.35	1.5E+01	9.3E+00	9.3E+00	3.7E+01	1.3E+00	2.7E+01	4.2E+02	4.9E-01	1.2E+00	4.0E-02	7.9E-04	3.3E-03
	3,5	664	iso-Butylcyclopentane	CC(C)CC1CCCC1	other naphthenics	1.2.E+00	-0.03	4.83	3.75	1.3E+01	1.1E+01	1.1E+01	4.3E+01	1.5E+00	9.8E+00	**1.5E+02**	4.3E-01	1.1E+00	3.6E-04	1.7E-06	1.3E-05
	3,5	675	iso-Propylcyclohexane	C(C)CC1CCCCC1	other naphthenics	1.3.E+00	-0.32	4.78	3.81	9.6E+00	9.9E+00	9.9E+00	4.0E+01	1.4E+00	1.1E+01	**1.6E+02**	5.4E-01	1.3E+00	3.6E-04	1.8E-06	7.1E-06
	3,5	691	iso-Pentylcyclopentane	CC(C)CCC1CCCC1	other naphthenics	2.7.E-01	0.08	5.40	4.14	1.1E+01	1.3E+01	1.3E+01	5.1E+01	1.8E+00	3.1E+00	**4.8E+01**	3.4E-01	8.4E-01	3.6E-04	3.5E-07	3.4E-06
	3,5	695	iso-Butylcyclohexane	C(CCCC1)(C1)CC(C)C	other naphthenics	3.2.E-01	0.05	5.34	4.14	8.7E+00	1.3E+01	1.3E+01	5.3E+01	1.9E+00	3.6E+00	**5.5E+01**	3.9E-01	9.7E-01	3.6E-04	4.2E-07	3.8E-06
	3,5	696	iso-Pentylcyclopentane	C(CC1)CC1CCC(C)C	other naphthenics	2.7.E-01	0.08	5.40	4.14	1.1E+01	1.3E+01	1.3E+01	5.1E+01	1.8E+00	3.1E+00	**4.8E+01**	3.4E-01	8.4E-01	3.6E-04	3.5E-07	3.4E-06
	3,5	748	iso-Hexylcyclopentane	CC(C)CCCC1CCCC1	other naphthenics	6.3.E-02	0.23	5.98	4.54	1.0E+01	1.5E+01	1.5E+01	5.9E+01	2.1E+00	9.9E-01	**1.5E+01**	2.6E-01	6.6E-01	3.6E-04	7.5E-08	1.0E-06
	3,5	750	iso-Pentylcyclohexane	C1CCCCC1CCC(C)C	other naphthenics	7.5.E-02	0.16	5.91	4.54	7.9E+00	1.6E+01	1.6E+01	6.2E+01	2.3E+00	1.1E+00	**1.7E+01**	3.0E-01	7.6E-01	3.6E-04	8.8E-08	1.0E-06
	1,7	1463	1-butene	C=CCC	n-Olefins	1.9.E+02	-0.53	2.37	1.86	4.7E+00	2.8E+00	2.8E+00	1.1E+01	3.3E-01	8.9E+02	1.4E+04	1.0E+00	1.8E+00	9.6E-03	1.6E-02	3.9E-02
	1,7	1464	2-pentene	CC=CCC	n-Olefins	1.8.E+02	-0.57	2.84	2.19	2.0E+00	2.2E+00	2.2E+00	8.9E+00	2.6E-01	4.0E+02	6.3E+03	7.3E-01	1.5E+00	9.6E-03	1.3E-02	2.7E-02
	2,7	668	2-Octene	CC=CCCCCC	n-Olefins	3.1.E+00	-0.13	4.52	3.75	1.8E+00	3.5E+00	3.5E+00	1.4E+01	4.3E-01	1.7E+01	2.6E+02	7.5E-01	1.9E+00	4.3E-03	6.1E-05	3.6E-04
	2,7	672	1-Octene	C=CCCCCCC	n-Olefins	2.6.E+00	-0.01	4.55	3.80	3.9E+00	5.1E+00	5.1E+00	2.0E+01	6.5E-01	1.6E+01	2.4E+02	7.8E-01	1.9E+00	4.3E-03	5.1E-05	4.0E-04
	2,7	1465	1-hexene	C=CCCCC	n-Olefins	3.9.E+01	-0.28	3.43	2.65	4.3E+00	3.7E+00	3.7E+00	1.5E+01	4.6E-01	1.3E+02	2.1E+03	5.4E-01	1.2E+00	4.3E-03	1.0E-03	4.3E-03
	1,8	1466	2-methylpropene	C(C)C=C	iso-Olefins	3.3.E+02	-0.76	2.26	1.86	4.7E+00	2.8E+00	2.8E+00	1.1E+01	3.3E-01	1.1E+03	1.8E+04	1.3E+00	2.3E+00	1.0E-02	3.0E-02	4.1E-02
	1,8	1467	2-methyl-2-butene	CC(C)=CC	iso-Olefins	2.6.E+02	-0.78	2.75	2.24	1.5E+00	1.6E+00	1.6E+00	6.2E+00	1.7E-01	4.9E+02	7.6E+03	9.5E-01	1.9E+00	1.0E-02	1.9E-02	2.6E-02
	2,8	1468	2-methyl-1-pentene	C=C(C)CCC	iso-Olefins	5.0.E+01	-0.36	3.38	2.70	2.4E+00	2.6E+00	2.6E+00	1.0E+01	3.1E-01	1.5E+02	2.4E+03	6.8E-01	1.6E+00	9.9E-03	3.0E-03	1.1E-02
	2,8	1469	2,4-dimethyl-1-pentene	C=C(C)CC(C)C	iso-Olefins	1.1.E+01	0.04	3.96	3.04	2.3E+00	3.5E+00	3.5E+00	1.4E+01	4.3E-01	5.0E+01	7.8E+02	4.6E-01	1.1E+00	9.9E-03	5.8E-04	5.1E-03
	2,8	1470	2,3,3-trimethyl-1-butene	C=C(C)C(C)(C)C	iso-Olefins	1.2.E+01	0.20	3.92	3.01	2.5E+00	5.8E+00	5.8E+00	2.3E+01	7.5E-01	5.4E+01	8.3E+02	4.6E-01	1.1E+00	9.9E-03	6.0E-04	7.6E-03
	2,8	1475	2-methyl-3-heptene	CC(C)C=CCCC	iso-Olefins	2.7.E+00	0.19	4.54	3.32	1.9E+00	4.1E+00	4.1E+00	1.6E+01	5.1E-01	1.6E+01	2.5E+02	2.7E-01	6.6E-01	9.9E-03	1.2E-04	1.5E-03
	2,8	1476	2,4-dimethyl-1-hexene	C=C(C)CC(C)CC	iso-Olefins	3.4.E+00	0.16	4.46	3.44	2.2E+00	4.1E+00	4.1E+00	1.6E+01	5.1E-01	1.9E+01	3.0E+02	4.2E-01	1.0E+00	9.9E-03	1.5E-04	1.7E-03
	2,8	1477	2-methyl-1-heptene	C=C(C)CCCCC	iso-Olefins	3.2.E+00	-0.07	4.50	3.49	2.3E+00	3.5E+00	3.5E+00	1.4E+01	4.3E-01	1.8E+01	2.7E+02	4.4E-01	1.1E+00	9.9E-03	1.5E-04	1.0E-03
	2,11	1	Benzene	c1ccccc1	Mono-Aromatic	1.6.E+03	-2.18	2.00	1.83	6.6E+01	4.5E+00	4.5E+00	1.8E+01	5.7E-01	2.1E+03	3.4E+04	2.4E+00	4.0E+00	4.7E-02	4.9E-01	2.6E-02
	2,11	2	Toluene	c1ccccc1C	Mono-Aromatic	5.1.E+02	-2.10	2.55	2.31	2.5E+01	4.5E+00	4.5E+00	1.8E+01	5.7E-01	7.7E+02	1.2E+04	1.7E+00	3.5E+00	4.7E-02	1.3E-01	8.3E-03
	2,11	4	1,2-Dimethylbenzene	Cc1c(C)cccc1	Mono-Aromatic	2.2.E+02	-2.24	2.94	2.63	2.0E+01	4.4E+00	4.4E+00	1.8E+01	5.6E-01	3.8E+02	5.9E+03	1.5E+00	3.3E+00	4.7E-02	4.9E-02	2.3E-03
	2,11	6	Ethylbenzene	c1ccccc1CC	Mono-Aromatic	1.8.E+02	-2.03	3.02	2.65	2.2E+01	5.0E+00	5.0E+00	2.0E+01	6.3E-01	3.2E+02	5.0E+03	1.3E+00	3.0E+00	4.7E-02	4.1E-02	3.0E-03
	2,11	7	1,4-Dimethylbenzene	Cc1ccc(C)cc1	Mono-Aromatic	1.8.E+02	-2.18	3.02	2.65	2.0E+01	4.4E+00	4.4E+00	1.8E+01	5.6E-01	3.2E+02	5.0E+03	1.3E+00	2.9E+00	4.7E-02	4.1E-02	2.1E-03
	2,11	10	1,3-Dimethylbenzene	Cc1cc(C)ccc1	Mono-Aromatic	1.7.E+02	-2.08	3.04	2.69	9.5E+00	4.4E+00	4.4E+00	1.8E+01	5.6E-01	3.0E+02	4.7E+03	1.3E+00	3.1E+00	4.7E-02	3.9E-02	2.6E-03
	3,11	14	1-Methyl-2-ethylbenzene	Cc1c(CC)cccc1	Mono-Aromatic	8.5.E+01	-2.17	3.37	2.96	1.7E+01	4.9E+00	4.9E+00	2.0E+01	6.3E-01	1.7E+02	2.7E+03	1.3E+00	3.1E+00	4.5E-03	1.6E-03	8.7E-05
	3,11	18	1,2,4-Trimethylbenzene	Cc1c(C)cc(C)cc1	Mono-Aromatic	7.6.E+01	-2.30	3.42	3.04	7.7E+00	4.4E+00	4.4E+00	1.8E+01	5.5E-01	1.5E+02	2.4E+03	1.4E+00	3.3E+00	4.5E-03	1.4E-03	5.9E-05
	3,11	19	1,2,5-Trimethylbenzene	Cc1c(C)ccc(C)c1	Mono-Aromatic	7.6.E+01	-2.30	3.42	3.04	7.7E+00	4.4E+00	4.4E+00	1.8E+01	5.5E-01	1.5E+02	2.4E+03	1.4E+00	3.3E+00	4.5E-03	1.4E-03	5.9E-05
	3,11	20	1-Methyl-4-ethylbenzene	Cc1ccc(CC)cc1	Mono-Aromatic	6.5.E+01	-2.13	3.47	3.04	1.7E+01	4.9E+00	4.9E+00	2.0E+01	6.3E-01	1.4E+02	2.1E+03	1.3E+00	3.0E+00	4.5E-03	1.2E-03	7.4E-05
	3,11	21	iso-Propylbenzene	c1ccccc1C(C)C	Mono-Aromatic	6.3.E+01	-1.78	3.48	3.07	1.9E+01	1.1E+01	1.1E+01	4.3E+01	1.5E+00	1.3E+02	2.1E+03	1.3E+00	3.1E+00	4.5E-03	1.2E-03	1.6E-04

output field: A1:U1520

NOTES

HighResolution

	Block ID	Compound	Chemical	SMILES	Chemical	Water Solubility	Log Henry's Law Constant	Log (K_{OW})	Log (K_{OC})	Half-Lives Air	Half-Lives Water	Half-Lives Soil	Half-Lives Sediment	Half-Lives Wastewater	Aqueous HC5	Wastewater HC5	Soil HC5	sediment HC5	Product mass Emission Speciation for Soil	Aq. Solubility-scaled Emmision Speciation for Water	VP-scaled Emission Speciation for Air
count:	146	Block, Class	ID	Name	Class	(mg/L)	(atm-m3/mol)			Hrs	Days	Days	Days	Hrs	(ug/L)	(ug/L)	mg/kg WW	mg/kg WW	1.00E+00	1.00E+00	1.00E+00
Max						1.6.E+03	3.71	20.43	13.90	6.6.E+01	5.4.E+02	5.4.E+02	2.2.E+03	1.2.E+02	2.1.E+03	3.4.E+04	6.1.E+08	1.5.E+09			
Min						5.1.E-18	-3.44	2.00	1.83	1.5.E+00	1.6.E+00	1.6.E+00	6.2.E+00	1.7.E-01	8.8.E-01	1.3.E+01	1.3.E-01	3.3.E-01			
	3,11	22	1,2,3-Trimethylbenzene	Cc1c(C)c(C)ccc1	Mono-Aromatic	8.2.E+01	-2.37	3.39	3.07	7.7E+00	4.4E+00	4.4E+00	1.8E+01	5.5E-01	1.6E+02	2.6E+03	1.6E+00	3.8E+00	4.5E-03	1.6E-03	5.3E-05
	3,11	23	n-Propylbenzene	c1ccccc1CCC	Mono-Aromatic	4.4.E+01	-1.87	3.59	3.09	1.8E+01	5.8E+00	5.8E+00	2.3E+01	7.5E-01	1.0E+02	1.6E+03	1.1E+00	2.5E+00	4.5E-03	8.4E-04	9.0E-05
	3,11	24	1,2-Diethylbenzene	CCc1c(CC)ccccc1	Mono-Aromatic	2.3.E+01	-1.96	3.91	3.11	1.6E+01	5.4E+00	5.4E+00	2.2E+01	7.0E-01	6.0E+01	9.2E+02	6.3E-01	1.5E+00	4.5E-03	3.9E-04	3.5E-05
	3,11	32	1-Methyl-3-ethylbenzene	Cc1cc(CC)ccc1	Mono-Aromatic	6.7.E+01	-2.07	3.46	3.32	9.2E+00	4.9E+00	4.9E+00	2.0E+01	6.3E-01	1.4E+02	2.2E+03	2.4E+00	5.8E+00	4.5E-03	1.3E-03	8.8E-05
	3,11	34	1,2,3,4-Tetramethylbenzene	Cc1c(C)c(C)c(C)cc1	Mono-Aromatic	2.9.E+01	-2.49	3.84	3.34	6.3E+00	4.3E+00	4.3E+00	1.7E+01	5.4E-01	6.9E+01	1.1E+03	1.2E+00	3.0E+00	4.5E-03	5.0E-04	1.3E-05
	3,11	39	1,2,3,5-Tetramethylbenzene	Cc1c(C)c(C)cc(C)c1	Mono-Aromatic	2.8.E+01	-2.37	3.86	3.42	3.0E+00	4.3E+00	4.3E+00	1.7E+01	5.4E-01	6.6E+01	1.0E+03	1.4E+00	3.4E+00	4.5E-03	4.8E-04	1.6E-05
	3,11	47	n-Butylbenzene	c1ccccc1CCCC	Mono-Aromatic	1.1.E+01	-1.73	4.16	3.65	1.5E+01	6.7E+00	6.7E+00	2.7E+01	8.9E-01	3.4E+01	5.3E+02	1.2E+00	3.0E+00	4.5E-03	1.9E-04	2.7E-05
	3,11	62	1-Methyl-2-propylbenzene	Cc1c(CCC)cccc1	Mono-Aromatic	2.1.E+01	-2.02	3.93	3.75	1.5E+01	5.7E+00	5.7E+00	2.3E+01	7.4E-01	5.7E+01	8.8E+02	2.5E+00	6.1E+00	4.5E-03	3.7E-04	2.8E-05
	3,11	65	1-Methyl-2-butylbenzene	Cc1c(CCCC)cccc1	Mono-Aromatic	5.4.E+00	-1.89	4.48	3.79	1.3E+01	6.7E+00	6.7E+00	2.7E+01	8.8E-01	1.9E+01	2.9E+02	9.2E-01	2.3E+00	4.5E-03	8.3E-05	8.5E-06
	3,11	66	1-Methyl-3-butylbenzene	Cc1cc(CCCC)ccc1	Mono-Aromatic	4.1.E+00	-1.77	4.59	3.79	7.7E+00	6.7E+00	6.7E+00	2.7E+01	8.8E-01	1.5E+01	2.3E+02	7.3E-01	1.8E+00	4.5E-03	6.3E-05	8.5E-06
	3,11	67	1-Methyl-4-butylbenzene	Cc1ccc(CCCC)cc1	Mono-Aromatic	3.9.E+00	-1.83	4.60	3.79	1.3E+01	6.7E+00	6.7E+00	2.7E+01	8.8E-01	1.5E+01	2.3E+02	7.2E-01	1.8E+00	4.5E-03	6.1E-05	7.1E-06
	3,11	68	1-Ethyl-2-propylbenzene	CCc1c(CCC)cccc1	Mono-Aromatic	6.0.E+00	-1.83	4.44	3.79	1.4E+01	6.3E+00	6.3E+00	2.5E+01	8.3E-01	2.1E+01	3.2E+02	1.0E+00	2.5E+00	4.5E-03	9.3E-05	1.1E-05
	3,11	69	1-Ethyl-3-propylbenzene	CCc1cc(CCC)ccc1	Mono-Aromatic	4.3.E+00	-1.70	4.57	3.79	8.2E+00	6.3E+00	6.3E+00	2.5E+01	8.3E-01	1.6E+01	2.4E+02	7.6E-01	1.9E+00	4.5E-03	6.6E-05	1.1E-05
	3,11	70	1-Ethyl-4-propylbenzene	CCc1ccc(CCC)cc1	Mono-Aromatic	4.1.E+00	-1.77	4.58	3.79	1.4E+01	6.3E+00	6.3E+00	2.5E+01	8.3E-01	1.5E+01	2.3E+02	7.4E-01	1.8E+00	4.5E-03	6.4E-05	8.5E-06
	3,11	71	1,2,3,4,5-Pentamethylbenzene	Cc1c(C)c(C)c(C)c(C)c1	Mono-Aromatic	1.0.E+01	-2.62	4.29	3.79	2.4E+00	4.3E+00	4.3E+00	1.7E+01	5.4E-01	2.9E+01	4.4E+02	1.4E+00	3.5E+00	4.5E-03	1.6E-04	3.0E-06
	3,11	73	1,3-Diethylbenzene	CCc1cc(CC)ccc1	Mono-Aromatic	1.7.E+01	-1.84	4.02	3.80	9.0E+00	5.4E+00	5.4E+00	2.2E+01	7.0E-01	4.6E+01	7.2E+02	2.3E+00	5.7E+00	4.5E-03	2.9E-04	3.3E-05
	3,11	74	1,4-Diethylbenzene	CCc1ccc(CC)cc1	Mono-Aromatic	1.6.E+01	-1.91	4.03	3.81	1.6E+01	5.4E+00	5.4E+00	2.2E+01	7.0E-01	4.5E+01	7.0E+02	2.3E+00	5.7E+00	4.5E-03	2.8E-04	2.7E-05
	3,11	75	1-Methyl-4-propylbenzene	Cc1ccc(CCC)cc1	Mono-Aromatic	1.6.E+01	-1.97	4.04	3.83	1.5E+01	5.7E+00	5.7E+00	2.3E+01	7.4E-01	4.5E+01	6.9E+02	2.3E+00	5.8E+00	4.5E-03	2.7E-04	2.3E-05
	3,11	78	1-Methyl-3-propylbenzene	Cc1cc(CCC)ccc1	Mono-Aromatic	1.7.E+01	-1.91	4.03	3.88	8.4E+00	5.7E+00	5.7E+00	2.3E+01	7.4E-01	4.6E+01	7.1E+02	2.7E+00	6.7E+00	4.5E-03	2.8E-04	2.8E-05
	3,11	114	n-Pentylbenzene	c1ccccc1CCCCC	Mono-Aromatic	2.7.E+00	-1.61	4.71	4.07	1.3E+01	7.9E+00	7.9E+00	3.1E+01	1.1E+00	1.2E+01	1.8E+02	1.1E+00	2.6E+00	4.5E-03	4.2E-05	8.3E-06
	4,11	122	1,2-Dipropylbenzene	CCCc1c(CCC)cccc1	Mono-Aromatic	1.6.E+00	-1.72	4.96	4.19	1.2E+01	7.4E+00	7.4E+00	2.9E+01	9.9E-01	7.3E+00	1.1E+02	8.8E-01	2.2E+00	2.0E-05	1.0E-07	1.6E-08
	4,11	123	1,3-Dipropylbenzene	CCCc1cc(CCC)ccc1	Mono-Aromatic	1.1.E+00	-1.57	5.11	4.19	7.6E+00	7.4E+00	7.4E+00	2.9E+01	9.9E-01	5.3E+00	8.1E+01	6.4E-01	1.6E+00	2.0E-05	6.9E-08	1.5E-08
	4,11	124	1,4-Dipropylbenzene	CCCc1ccc(CCC)cc1	Mono-Aromatic	1.1.E+00	-1.64	5.12	4.19	1.2E+01	7.4E+00	7.4E+00	2.9E+01	9.9E-01	5.2E+00	7.9E+01	6.2E-01	1.5E+00	2.0E-05	6.6E-08	1.2E-08
	4,11	125	1-Methyl-2-pentylbenzene	Cc1c(CCCCC)cccc1	Mono-Aromatic	1.4.E+00	-1.78	5.02	4.19	1.1E+01	7.8E+00	7.8E+00	3.1E+01	1.0E+00	6.4E+00	9.8E+01	7.7E-01	1.9E+00	2.0E-05	8.5E-08	1.1E-08
	4,11	126	1-Methyl-3-pentylbenzene	Cc1cc(CCCCC)ccc1	Mono-Aromatic	1.0.E+00	-1.64	5.13	4.19	7.1E+00	7.8E+00	7.8E+00	3.1E+01	1.0E+00	5.0E+00	7.7E+01	6.1E-01	1.5E+00	2.0E-05	6.4E-08	1.2E-08
	4,11	127	1-Methyl-4-pentylbenzene	Cc1ccc(CCCCC)cc1	Mono-Aromatic	9.8.E-01	-1.71	5.14	4.19	1.1E+01	7.8E+00	7.8E+00	3.1E+01	1.0E+00	4.9E+00	7.6E+01	5.9E-01	1.5E+00	2.0E-05	6.2E-08	9.6E-09
	4,11	128	1-Ethyl-2-butylbenzene	CCc1c(CCCC)cccc1	Mono-Aromatic	1.6.E+00	-1.72	4.98	4.19	1.2E+01	7.4E+00	7.4E+00	2.9E+01	9.9E-01	7.1E+00	1.1E+02	8.5E-01	2.1E+00	2.0E-05	9.7E-08	1.5E-08
	4,11	129	1-Ethyl-3-butylbenzene	CCc1cc(CCCC)ccc1	Mono-Aromatic	1.1.E+00	-1.58	5.12	4.19	7.5E+00	7.4E+00	7.4E+00	2.9E+01	9.9E-01	5.2E+00	8.0E+01	6.3E-01	1.6E+00	2.0E-05	6.7E-08	1.4E-08
	4,11	130	1-Ethyl-4-butylbenzene	CCc1ccc(CCCC)cc1	Mono-Aromatic	1.0.E+00	-1.65	5.13	4.19	1.2E+01	7.4E+00	7.4E+00	2.9E+01	9.9E-01	5.1E+00	7.8E+01	6.1E-01	1.5E+00	2.0E-05	6.4E-08	1.2E-08
	4,11	131	1,2-Dipropylbenzene	CCCc1c(CCC)cccc1	Mono-Aromatic	1.6.E+00	-1.72	4.96	4.19	1.2E+01	7.4E+00	7.4E+00	2.9E+01	9.9E-01	7.3E+00	1.1E+02	8.8E-01	2.2E+00	2.0E-05	1.0E-07	1.6E-08
	4,11	132	1,3-Dipropylbenzene	CCCc1cc(CCC)ccc1	Mono-Aromatic	1.1.E+00	-1.57	5.11	4.19	7.6E+00	7.4E+00	7.4E+00	2.9E+01	9.9E-01	5.3E+00	8.1E+01	6.4E-01	1.6E+00	2.0E-05	6.9E-08	1.5E-08
	4,11	133	1,4-Dipropylbenzene	CCCc1ccc(CCC)cc1	Mono-Aromatic	1.1.E+00	-1.64	5.12	4.19	1.2E+01	7.4E+00	7.4E+00	2.9E+01	9.9E-01	5.2E+00	7.9E+01	6.2E-01	1.5E+00	2.0E-05	6.6E-08	1.2E-08
	4,11	139	1,2,3-Triethylbenzene	CCc1c(CC)c(CC)ccc1	Mono-Aromatic	2.7.E+00	-1.94	4.79	4.24	7.1E+00	5.9E+00	5.9E+00	2.4E+01	7.7E-01	1.1E+01	1.6E+02	1.4E+00	3.5E+00	2.0E-05	1.7E-07	1.5E-08
	4,11	140	1,2,4-Triethylbenzene	CCc1c(CC)cc(CC)cc1	Mono-Aromatic	2.2.E+00	-1.84	4.87	4.24	7.1E+00	5.9E+00	5.9E+00	2.4E+01	7.7E-01	8.9E+00	1.4E+02	1.2E+00	3.0E+00	2.0E-05	1.4E-07	1.6E-08
	4,11	141	1,2,5-Triethylbenzene	CCc1c(CC)ccc(CC)c1	Mono-Aromatic	2.2.E+00	-1.84	4.87	4.24	7.1E+00	5.9E+00	5.9E+00	2.4E+01	7.7E-01	8.9E+00	1.4E+02	1.2E+00	3.0E+00	2.0E-05	1.4E-07	1.6E-08
	4,11	142	1,2,3,4,5,6-Hexamethylbenzene	Cc1c(C)c(C)c(C)c(C)c1C	Mono-Aromatic	3.5.E+00	-2.90	4.71	4.24	2.0E+00	4.2E+00	4.2E+00	1.7E+01	5.3E-01	1.3E+01	1.9E+02	1.7E+00	4.2E+00	2.0E-05	2.2E-07	2.2E-09
	4,11	170	n-Heptylbenzene	c1ccccc1CCCCCCC	Mono-Aromatic	1.8.E-01	-1.40	5.77	4.45	9.9E+00	1.1E+01	1.1E+01	4.3E+01	1.5E+00	1.4E+00	**2.1E+01**	3.0E-01	7.5E-01	2.0E-05	1.1E-08	3.3E-09
	4,11	194	n-Hexylbenzene	c1ccccc1CCCCCC	Mono-Aromatic	7.0.E-01	-1.50	5.24	4.57	1.1E+01	9.2E+00	9.2E+00	3.7E+01	1.3E+00	4.0E+00	6.1E+01	1.1E+00	2.9E+00	2.0E-05	4.4E-08	1.1E-08
	4,11	197	1-Methyl-2-hexylbenzene	Cc1c(CCCCCC)cccc1	Mono-Aromatic	3.5.E-01	-1.67	5.56	4.59	9.8E+00	9.1E+00	9.1E+00	3.6E+01	1.2E+00	2.2E+00	3.3E+01	6.5E-01	1.6E+00	2.0E-05	2.0E-08	3.4E-09
	4,11	198	1-Methyl-3-hexylbenzene	Cc1cc(CCCCCC)ccc1	Mono-Aromatic	2.6.E-01	-1.54	5.67	4.59	6.6E+00	9.1E+00	9.1E+00	3.6E+01	1.2E+00	1.7E+00	2.6E+01	5.1E-01	1.3E+00	2.0E-05	1.5E-08	3.5E-09
	4,11	199	1-Methyl-4-hexylbenzene	Cc1ccc(CCCCCC)cc1	Mono-Aromatic	2.5.E-01	-1.60	5.68	4.59	9.8E+00	9.1E+00	9.1E+00	3.6E+01	1.2E+00	1.7E+00	**2.5E+01**	5.0E-01	1.2E+00	2.0E-05	1.5E-08	2.9E-09
	4,11	200	1-Ethyl-2-pentylbenzene	CCc1c(CCCCC)cccc1	Mono-Aromatic	4.1.E-01	-1.63	5.51	4.59	1.0E+01	8.6E+00	8.6E+00	3.4E+01	1.2E+00	2.4E+00	3.7E+01	7.3E-01	1.8E+00	2.0E-05	2.3E-08	4.4E-09
	4,11	201	1-Ethyl-3-pentylbenzene	CCc1cc(CCCCC)ccc1	Mono-Aromatic	2.7.E-01	-1.46	5.65	4.59	7.0E+00	8.6E+00	8.6E+00	3.4E+01	1.2E+00	1.8E+00	2.7E+01	5.3E-01	1.3E+00	2.0E-05	1.6E-08	4.3E-09
	4,11	202	1-Ethyl-4-pentylbenzene	CCc1ccc(CCCCC)cc1	Mono-Aromatic	2.6.E-01	-1.54	5.67	4.59	1.0E+01	8.6E+00	8.6E+00	3.4E+01	1.2E+00	1.7E+00	2.6E+01	5.1E-01	1.3E+00	2.0E-05	1.5E-08	3.5E-09
	4,11	258	1-Methyl-2-heptylbenzene	Cc1c(CCCCCCC)cccc1	Mono-Aromatic	9.1.E-02	-1.57	6.09	4.98	8.9E+00	1.1E+01	1.1E+01	4.2E+01	1.5E+00	9.0E-01	**1.4E+01**	6.7E-01	1.7E+00	2.0E-05	4.9E-09	1.0E-09
	4,11	259	1-Methyl-3-heptylbenzene	Cc1cc(CCCCCCC)ccc1	Mono-Aromatic	6.8.E-02	-1.44	6.20	4.98	6.1E+00	1.1E+01	1.1E+01	4.2E+01	1.5E+00	8.9E-01	**1.3E+01**	6.6E-01	1.6E+00	2.0E-05	3.6E-09	1.1E-09
	4,11	260	1-Methyl-4-heptylbenzene	Cc1ccc(CCCCCCC)cc1	Mono-Aromatic	6.6.E-02	-1.50	6.21	4.98	8.9E+00	1.1E+01	1.1E+01	4.2E+01	1.5E+00	8.9E-01	**1.3E+01**	6.6E-01	1.6E+00	2.0E-05	3.5E-09	8.8E-10
	4,11	261	1-Ethyl-2-hexylbenzene	CCc1c(CCCCCC)cccc1	Mono-Aromatic	1.1.E-01	-1.53	6.03	4.98	9.4E+00	1.0E+01	1.0E+01	4.0E+01	1.4E+00	9.0E-01	**1.4E+01**	6.7E-01	1.7E+00	2.0E-05	5.7E-09	1.3E-09
	4,11	262	1-Ethyl-3-hexylbenzene	CCc1cc(CCCCCC)ccc1	Mono-Aromatic	7.2.E-02	-1.37	6.18	4.98	6.5E+00	1.0E+01	1.0E+01	4.0E+01	1.4E+00	8.9E-01	**1.3E+01**	6.6E-01	1.7E+00	2.0E-05	3.8E-09	1.3E-09
	4,11	263	1-Ethyl-4-hexylbenzene	CCc1ccc(CCCCCC)cc1	Mono-Aromatic	6.8.E-02	-1.44	6.20	4.98	9.4E+00	1.0E+01	1.0E+01	4.0E+01	1.4E+00	8.9E-01	**1.3E+01**	6.6E-01	1.7E+00	2.0E-05	3.7E-09	1.1E-09
	4,11	264	1,2-Dibutylbenzene	CCCCc1c(CCCC)cccc1	Mono-Aromatic	1.1.E-01	-1.54	6.01	4.98	9.4E+00	1.0E+01	1.0E+01	4.0E+01	1.4E+00	9.0E-01	**1.4E+01**	6.7E-01	1.7E+00	2.0E-05	6.1E-09	1.4E-09
	4,11	265	1,3-Dibutylbenzene	CCCCc1cc(CCCC)ccc1	Mono-Aromatic	7.3.E-02	-1.35	6.18	4.98	6.5E+00	1.0E+01	1.0E+01	4.0E+01	1.4E+00	8.9E-01	**1.3E+01**	6.6E-01	1.7E+00	2.0E-05	3.9E-09	1.4E-09
	4,11	266	1,4-Dibutylbenzene	CCCCc1ccc(CCCC)cc1	Mono-Aromatic	6.9.E-02	-1.43	6.19	4.98	9.4E+00	1.0E+01	1.0E+01	4.0E+01	1.4E+00	8.9E-01	**1.3E+01**	6.6E-01	1.7E+00	2.0E-05	3.7E-09	1.1E-09
	4,11	285	1,2,3,4-Tetraethylbenzene	CCc1c(CC)c(CC)c(CC)cc1	Mono-Aromatic	3.1.E-01	-1.92	5.68	5.08	5.8E+00	6.5E+00	6.5E+00	2.6E+01	8.5E-01	1.8E+00	2.7E+01	1.7E+00	4.2E+00	2.0E-05	1.7E-08	1.6E-09
	4,11	286	1,2,3,5-Tetraethylbenzene	CCc1c(CC)c(CC)cc(CC)c1	Mono-Aromatic	2.6.E-01	-1.79	5.75	5.08	3.1E+00	6.5E+00	6.5E+00	2.6E+01	8.5E-01	1.6E+00	2.4E+01	1.4E+00	3.6E+00	2.0E-05	1.4E-08	1.8E-09
	4,11	307	n-Octylbenzene	c1ccccc1CCCCCCCC	Mono-Aromatic	4.9.E-02	-1.32	6.29	5.20	8.9E+00	1.2E+01	1.2E+01	5.0E+01	1.8E+00	8.8E-01	**1.3E+01**	1.1E+00	2.7E+00	2.0E-05	2.6E-09	1.0E-09
	3,13	11	Naphthalene	c1ccc2ccccc2c1	Di-Aromatics	9.3.E+01	-3.31	3.35	2.77	5.9E+00	5.6E+00	5.6E+00	2.2E+01	7.2E-01	1.1E+02	1.7E+03	5.6E-01	1.3E+00	1.1E-03	4.2E-04	1.6E-06
	3,13	26	2-Methylnaphthalene	Cc1ccc2ccccc2c1	Di-Aromatics	3.4.E+01	-3.41	3.80	3.23	2.3E+00	8.9E+00	8.9E+00	3.6E+01	1.2E+00	4.5E+01	7.0E+02	6.1E-01	1.5E+00	1.1E-03	1.4E-04	4.3E-07
	3,13	27	1-Methylnaphthalene	c1ccc2ccccc2c1C	Di-Aromatics	3.5.E+01	-3.44	3.79	3.24	2.3E+00	8.9E+00	8.9E+00	3.6E+01	1.2E+00	4.7E+01	7.2E+02	6.5E-01	1.6E+00	1.1E-03	1.4E-04	4.0E-07

Shaded HC5 values are > WS

Table of Regional Exposure and Risk Characterisation Results from PETRORISK

Compartment	Value
Emissions	
Aquatic with STP (kg/d)	1.3E+05
Air (direct + STP) (kg/d)	1.2E+06
Soil (direct only) (kg/d)	1.7E+04
Environmental Exposure	
PEC air (mg/m^3)	2.2E-02
PECregional,FW (mg/L)	2.1E-02
PECregional,Fwsediment (mg/kg ww)	6.1E-02
PECregional,Marine (mg/L)	7.7E-05
PECregional,msd (mg/kg ww)	1.4E-03
PECregional,Agsoil (mg/kg ww)	1.7E-03
PECgrassland (Natural) (mg/kg ww)	3.7E-03
Indirect Human Exposure	
PECfish (mg/kg ww)	5.9E-01
PECdrinking water (mg/kg ww)	1.1E-02
PECroot (mg/kg ww)	1.2E-01
PECleaf (mg/kg ww)	7.5E-03
PECmeat (mg/kg ww)	3.9E-02
PECmilk (mg/kg ww)	1.2E-02
Dose inhalation (ug/kg/d)	6.4E+00
Dose oral exposure - excluding inhalation (ug/kg/d)	2.6E+00
Environmental Risk Characterisation	
RCR freshwater	3.9E-02
RCR freshwater sediment	1.2E-02
RCR marine	1.3E-04
RCR marine sediment	3.4E-05
RCR agricultural soil	1.0E-04
RCR grassland (Natural)	1.0E-05
Indirect Human Risk	
RCR inhalation	6.4E-02
RCR oral exposure - excluding inhalation	2.6E-02
combined RCR	9.0E-02

LocalCSR ***Low_Boiling_Point_Naphthas (Gasolines)_PETRORISK_v6***

Row	Table of Local Exposure and Risk Characterisation Results from PETRORISK	local output- Manufacture # 1	local output- Use as Inter # 2	local output- Distribution # 3	local output- Formulation # 4	local output- Uses in Coat # 5	local output- Uses in Coat # 6	local output- Use in Clean # 7	local output- Use in Clean # 8	local output- Use in Clean # 9	local output- Use as a fue # 10	local output- Use as a fue # 11	local output- Use as a fue # 12	local output- Rubber produ # 13
2	**Section 9 - Exposure Assessmen**	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	9.10	9.11	9.12	9.13
3	Regional Tonnage (T/yr)	1.9E+07	2.2E+06	1.9E+07	1.7E+07	6.2E+03	6.1E+03	5.1E+02	3.6E+02	8.5E+02	1.4E+06	1.2E+06	1.4E+07	9.4E+01
4	Fraction of regional tonnage used locally	3.2E-02	6.8E-03	2.0E-03	1.8E-03	1.0E+00	5.0E-04	2.0E-01	5.0E-04	5.0E-04	1.0E+00	5.0E-04	5.0E-04	1.0E+00
5	Local Site Tonnage (T/y)	6.0E+05	1.5E+04	3.7E+04	3.0E+04	6.2E+03	3.1E+00	1.0E+02	1.8E-01	4.3E-01	1.4E+06	5.9E+02	7.0E+03	9.4E+01
6	Site Tonnage (kg/d)	2.0E+06	5.0E+04	1.2E+05	1.0E+05	2.1E+04	8.4E+00	5.0E+03	4.9E-01	1.2E+00	4.6E+06	1.6E+03	1.9E+04	4.7E+03
7	Emission days (d/yr)	300	300	300	300	300	365	20	365	365	3.0E+02	3.7E+02	3.7E+02	2.0E+01
8	Release fraction (prior to RMM) - wastewater	3.0E-03	3.0E-03	1.0E-05	2.0E-03	7.0E-03	1.0E-02	3.0E-05	1.0E-06	2.5E-02	1.0E-05	1.0E-05	1.0E-05	3.0E-03
9	Release fraction (prior to RMM) - air	4.9E-03	2.5E-02	1.0E-03	1.1E-02	5.8E-01	9.8E-01	1.0E+00	2.0E-02	9.5E-01	6.2E-03	1.0E-02	1.0E-02	1.0E-02
10	Dilution Factor - Freshwater	10	10	10	10	10	10	10	10	10	10	10	10	10
11	Dilution Factor - Marine	100	100	100	100	100	100	100	100	100	100	100	100	100
12	On-site removal efficiency - Air (%) [SpERC Default]	90.0	80.0	90.0	0.0	90.0	0.0	70.0	0.0	0.0	95.0	0.0	0.0	0.0
13	On-site removal efficiency - Air (%) [Required]	99.0			56.5	94.1					99.4			
14	Risk-driving Comparment	human inhalation	freshwater sediment	human inhalation	human inhalation	human inhalation	human inhalation	human inhalation	human inhalation	human inhalation	human inhalation	human inhalation	human inhalation	human inhalation
15	Wastewater Treatment Required (Yes/No)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
16	Required Removal Efficiency - wastewater (%)	99.1	92.9	12.0	94.7	92.6	3.9	4.4	3.3	3.5	76.9	3.4	4.7	23.9
17	Onsite Removal Efficiency - wastewater (%)	80.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	Offsite Removal Efficiency - wastewater (%)	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
19	Total Removal Efficiency - wastewater (%)	99.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
20	Msafe (kg/d)	2.0E+06	7.8E+04	1.1E+06	1.0E+05	2.1E+04	7.8E+01	2.9E+04	4.6E+00	1.1E+01	4.6E+06	1.5E+04	1.8E+05	4.2E+04
21	Aquatic without Treatment (kg/d)	2.7E+04	1.8E+04	5.1E+02	9.0E+04	1.2E+02	1.7E+02	4.2E-02	9.9E-04	5.8E+01	3.8E+01	3.3E+01	3.8E+02	7.7E-01
22	Aquatic (with onsite and offsite treatment) (kg/d)	2.6E+04	1.7E+04	4.9E+02	8.6E+04	1.1E+02	1.6E+02	4.0E-02	9.4E-04	5.6E+01	3.6E+01	3.1E+01	3.6E+02	7.3E-01
23	Air (direct after on-site treatment) (kg/d)	3.5E+04	3.7E+04	5.3E+03	5.2E+05	1.0E+03	1.7E+04	4.2E+02	2.0E+01	2.2E+03	1.2E+03	3.3E+04	3.8E+05	2.8E+00
24	**Environmental Exposure**													
25	PEC effluent (mg/L)	5.0E+00	3.5E+00	2.9E-02	4.6E+00	3.3E+00	1.9E-03	3.5E-03	1.1E-08	6.8E-04	1.1E+00	3.8E-04	4.4E-03	3.3E-01
26	PEC sludge (mg/kg dw)	4.7E+03	3.3E+03	2.7E+01	4.4E+03	3.2E+03	1.8E+00	3.3E+00	1.1E-05	6.4E-01	1.0E+03	3.6E-01	4.2E+00	3.1E+02
27														
28	PEC air (mg/m^3)	2.5E-01	7.3E-02	2.5E-02	2.7E-01	2.9E-01	2.2E-02	2.3E-02	2.2E-02	2.2E-02	3.3E-01	2.2E-02	2.2E-02	2.3E-02
29	C air (mg/m^3)	2.2E-01	5.0E-02	3.0E-03	2.5E-01	2.6E-01	1.1E-05	5.7E-04	6.2E-11	3.7E-06	3.1E-01	2.0E-06	2.4E-05	8.1E-04
30														
31	PEC freshwater (mg/L)	5.0E-01	3.5E-01	2.4E-02	4.6E-01	3.3E-01	2.2E-02	2.2E-02	2.1E-02	2.1E-02	1.1E-01	2.1E-02	2.2E-02	3.3E-02
32	C freshwater (mg/L)	4.7E-01	3.3E-01	2.9E-03	4.4E-01	3.1E-01	1.9E-04	3.5E-04	1.1E-09	6.8E-05	8.6E-02	3.8E-05	4.4E-04	1.1E-02
33	PEC marine (mg/L)	5.0E-02	3.5E-02	2.9E-04	4.6E-02	3.3E-02	9.6E-05	1.1E-04	7.7E-05	8.4E-05	1.1E-02	8.1E-05	1.2E-04	3.3E-03
34	C marine (mg/L)	4.9E-02	3.5E-02	2.1E-04	4.6E-02	3.3E-02	1.9E-05	3.5E-05	1.1E-10	6.8E-06	1.1E-02	3.8E-06	4.4E-05	3.2E-03
35														
36	PEC freshwater sediment (mg/kg ww)	2.6E+00	1.8E+00	7.6E-02	2.4E+00	1.7E+00	6.2E-02	6.3E-02	6.1E-02	6.1E-02	5.6E-01	6.1E-02	6.3E-02	1.7E-01
37	C freshwater sediment (mg/kg ww)	2.5E+00	1.8E+00	1.5E-02	2.4E+00	1.7E+00	1.0E-03	1.8E-03	6.0E-09	3.5E-04	5.0E-01	2.0E-04	2.3E-03	1.1E-01
38	PEC marine sediment (mg/kg ww)	2.6E-01	1.8E-01	1.5E-03	2.4E-01	1.7E-01	1.5E-03	1.6E-03	1.4E-03	1.4E-03	5.6E-02	1.4E-03	1.6E-03	1.7E-02
39	C marine sediment (mg/kg ww)	2.6E-01	1.8E-01	1.1E-04	2.4E-01	1.7E-01	1.0E-04	1.8E-04	6.0E-10	3.5E-05	5.4E-02	2.0E-05	2.3E-04	1.6E-02
40														
41	PEC agricultural soil (mg/kg ww)	2.6E-03	2.1E-03	1.8E-03	2.7E-03	2.7E-03	2.1E-03	1.8E-03	1.7E-03	1.9E-03	2.7E-03	1.8E-03	2.5E-03	1.7E-03
42	C agricultural soil (mg/kg ww)	8.5E-04	3.1E-04	9.4E-06	9.1E-04	9.2E-04	3.3E-04	6.6E-05	1.9E-09	1.1E-04	9.9E-04	6.4E-05	7.5E-04	2.9E-06
43	PEC groundwater (mg/L)	2.1E-04	9.3E-05	2.1E-06	2.2E-04	2.1E-04	1.2E-05	1.2E-05	6.8E-11	4.0E-06	1.9E-04	2.2E-06	2.6E-05	7.7E-07
44	C groundwater (mg/L)	1.4E-04	7.9E-05	2.0E-06	1.4E-04	1.3E-04	9.7E-06	1.2E-05	6.8E-11	3.8E-06	1.2E-04	2.2E-06	1.8E-05	7.7E-07
45														
46	PEC oral freshwater fish (mg/kg ww)	5.4E+00	3.9E+00	2.5E-01	5.1E+00	3.7E+00	2.8E-01	1.5E-02	2.7E-01	2.7E-01	1.4E+00	2.7E-01	2.8E-01	6.6E-02
47	PEC oral marine top predator (mg/kg ww)	1.0E+00	7.0E-01	2.8E-02	9.5E-01	6.7E-01	1.8E-02	1.0E-03	1.8E-02	1.8E-02	1.9E-01	1.8E-02	1.9E-02	2.0E-03
48	PEC oral worm (mg/kg ww)	1.8E-03	1.6E-03	1.2E-03	1.9E-03	1.8E-03	3.8E-04	1.1E-03	3.2E-04	3.4E-04	1.8E-03	3.3E-04	4.6E-04	1.3E-03
49														
50	**Indirect Human Exposure**													
51	PEC fish (mg/kg ww)	1.0E+01	7.3E+00	6.5E-01	9.7E+00	7.0E+00	6.0E-01	5.9E-01	5.9E-01	5.9E-01	2.2E+00	5.9E-01	6.0E-01	6.4E-01
52	C fish (mg/kg ww)	9.8E+00	6.7E+00	6.1E-02	9.1E+00	6.4E+00	5.0E-03	4.9E-04	2.9E-08	1.7E-03	1.7E+00	9.6E-04	1.1E-02	4.6E-02
53	PEC drinking water (mg/L)	2.0E-01	1.4E-01	1.2E-02	1.9E-01	1.4E-01	1.1E-02	1.1E-02	1.1E-02	1.1E-02	4.4E-02	1.1E-02	1.1E-02	1.2E-02
54	C drinking water (mg/L)	1.9E-01	1.3E-01	1.2E-03	1.8E-01	1.3E-01	9.7E-05	2.2E-05	5.7E-10	3.4E-05	3.4E-02	1.9E-05	2.2E-04	8.9E-04
55	PEC meat (mg/kg ww)	4.0E-02	3.9E-02	3.9E-02	4.0E-02	4.0E-02	3.9E-02	3.9E-02	3.9E-02	3.9E-02	4.0E-02	3.9E-02	3.9E-02	3.9E-02
56	C meat (mg/kg ww)	1.2E-03	3.9E-04	1.3E-05	1.3E-03	1.3E-03	1.0E-07	9.7E-05	6.2E-13	3.7E-08	1.4E-03	2.0E-08	2.4E-07	4.0E-06
57	PEC milk (mg/kg ww)	1.3E-02	1.2E-02	1.2E-02	1.3E-02	1.3E-02	1.2E-02	1.2E-02	1.2E-02	1.2E-02	1.3E-02	1.2E-02	1.2E-02	1.2E-02
58	C milk (mg/kg ww)	5.6E-04	2.0E-04	6.1E-06	5.9E-04	6.0E-04	6.5E-08	4.3E-05	3.8E-13	2.3E-08	6.4E-04	1.3E-08	1.5E-07	1.9E-06
59	PEC leaf (mg/kg ww)	8.5E-03	8.0E-03	7.5E-03	8.5E-03	8.4E-03	7.5E-03	7.6E-03	7.5E-03	7.5E-03	8.3E-03	7.5E-03	7.5E-03	7.5E-03
60	C leaf (mg/kg ww)	9.3E-04	4.5E-04	8.6E-06	9.5E-04	8.7E-04	2.2E-07	4.7E-05	1.3E-12	7.8E-08	7.7E-04	4.3E-08	5.1E-07	3.5E-06
61	PEC root (mg/kg ww)	1.2E-01	1.2E-01	1.2E-01	1.2E-01	1.2E-01	1.2E-01	1.2E-01	1.2E-01	1.2E-01	1.2E-01	1.2E-01	1.2E-01	1.2E-01
62	C root (mg/kg ww)	1.1E-03	4.3E-04	1.1E-05	1.1E-03	1.1E-03	1.1E-04	7.4E-05	6.3E-10	3.7E-05	1.1E-03	2.1E-05	2.4E-04	3.9E-06
63														
64	Dose inhalation (ug/kg/d)	7.0E+01	2.1E+01	7.3E+00	7.7E+01	8.2E+01	6.4E+00	6.5E+00	6.4E+00	6.4E+00	9.4E+01	6.4E+00	6.4E+00	6.7E+00
65	Dose oral exposure - excluding inhalation (ug/kg/d)	2.3E+01	1.6E+01	2.7E+00	2.1E+01	1.5E+01	2.6E+00	2.6E+00	2.6E+00	2.6E+00	5.0E+00	2.6E+00	2.6E+00	2.7E+00
66	Fraction from water pathways	2.5E-01	4.4E-01	1.4E-01	2.2E-01	1.6E-01	4.8E-01	2.2E-04	4.8E-01	4.8E-01	5.0E-02	4.8E-01	4.8E-01	3.0E-01
67														
68	**Section 10 - Risk Characterisation**	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	10.10	10.11	10.12	10.13
69	PNEC oral (mg/kg ww)	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
70	DNEL inhalation (ug/kg/d)	1.0E+02	1.0E+02	1.0E+02	1.0E+02	1.0E+02	1.0E+02	1.0E+02	1.0E+02	1.0E+02	1.0E+02	1.0E+02	1.0E+02	1.0E+02
71	DNEL oral exposure (ug/kg/d)	1.0E+02	1.0E+02	1.0E+02	1.0E+02	1.0E+02	1.0E+02	1.0E+02	1.0E+02	1.0E+02	1.0E+02	1.0E+02	1.0E+02	1.0E+02
72														
73	**Environmental Risk**													
74	RCR effluent	5.1E-01	3.6E-01	3.0E-03	4.8E-01	3.4E-01	2.0E-04	3.6E-04	1.2E-09	6.9E-05	1.1E-01	3.9E-05	4.5E-04	3.3E-02
75	RCR freshwater	7.9E-01	5.6E-01	4.3E-02	7.4E-01	5.3E-01	3.9E-02	3.9E-02	3.9E-02	3.9E-02	1.7E-01	3.9E-02	3.9E-02	5.2E-02
76	RCR marine	7.9E-02	5.6E-02	4.6E-04	7.4E-02	5.3E-02	1.6E-04	1.8E-04	1.3E-04	1.4E-04	1.7E-02	1.3E-04	2.0E-04	5.2E-03
77	RCR freshwater sediment	9.1E-01	6.4E-01	1.8E-02	8.5E-01	6.1E-01	1.3E-02	1.3E-02	1.2E-02	1.3E-02	2.0E-01	1.3E-02	1.3E-02	6.0E-02
78	RCR marine sediment	9.1E-02	6.4E-02	5.3E-04	8.5E-02	6.1E-02	6.9E-05	9.8E-05	3.4E-05	4.6E-05	2.0E-02	4.1E-05	1.2E-04	6.0E-03
79	RCR oral freshwater fish	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
80	RCR oral marine top predator	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
81	RCR agricultural soil	1.5E-03	5.3E-04	1.2E-04	1.7E-03	1.8E-03	3.7E-04	2.3E-04	1.0E-04	1.9E-04	2.0E-03	1.5E-04	7.1E-04	1.0E-04
82	RCR worm oral	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
83														
84	**Indirect Human Risk**													
85	RCR inhalation	7.0E-01	2.1E-01	7.3E-02	7.7E-01	8.2E-01	6.4E-02	6.5E-02	6.4E-02	6.4E-02	9.4E-01	6.4E-02	6.4E-02	6.7E-02
86	RCR oral exposure - excluding inhalation	2.3E-01	1.6E-01	2.7E-02	2.1E-01	1.5E-01	2.6E-02	2.6E-02	2.6E-02	2.6E-02	5.0E-02	2.6E-02	2.6E-02	2.7E-02
87	RCR combined HI	9.3E-01	3.7E-01	1.0E-01	9.8E-01	9.7E-01	9.0E-02	9.1E-02	9.0E-02	9.0E-02	9.9E-01	9.0E-02	9.0E-02	9.3E-02
88	MaxRCR- Water-related compartments	9.1E-01	6.4E-01	4.3E-02	8.5E-01	6.1E-01	3.9E-02	3.9E-02	3.9E-02	3.9E-02	2.0E-01	3.9E-02	3.9E-02	6.0E-02
89	Max RCR - all compartments	9.3E-01	6.4E-01	1.0E-01	9.8E-01	9.7E-01	9.0E-02	9.1E-02	9.0E-02	9.0E-02	9.9E-01	9.0E-02	9.0E-02	9.3E-02