

TRIP TYPE	ACTIVITY	SUB TYPE	SIZE
SEA	Cargo Ship	Bulk Carrier	200,000+ dwt
SEA	Cargo Ship	Bulk Carrier	100,000-199,999 dwt
SEA	Cargo Ship	Bulk Carrier	60,000-99,999 dwt
SEA	Cargo Ship	Bulk Carrier	35,000-59,999 dwt
SEA	Cargo Ship	Bulk Carrier	10,000-34,999 dwt
SEA	Cargo Ship	Bulk Carrier	0-9999 dwt
SEA	Cargo Ship	Bulk Carrier	Average
SEA	Sea Tanker	Chemical Tanker	Average
SEA	Sea Tanker	Chemical Tanker	0-4999 dwt
SEA	Sea Tanker	Chemical Tanker	5000-9999 dwt
SEA	Sea Tanker	Chemical Tanker	10,000-19,999 dwt
SEA	Sea Tanker	Chemical Tanker	20,000+ dwt
SEA	Cargo Ship	Container Ship	0-999 TEU
SEA	Cargo Ship	Container Ship	8000+ TEU
SEA	Cargo Ship	Container Ship	5000-7999 TEU
SEA	Cargo Ship	Container Ship	3000-4999 TEU
SEA	Cargo Ship	Container Ship	2000-2999 TEU
SEA	Cargo Ship	Container Ship	1000-1999 TEU
SEA	Cargo Ship	Container Ship	Average
SEA	Sea Tanker	Crude Tanker	0-9999 dwt
SEA	Sea Tanker	Crude Tanker	10,000-59,999 dwt
SEA	Sea Tanker	Crude Tanker	60,000-79,999 dwt
SEA	Sea Tanker	Crude Tanker	80,000-119,999 dwt
SEA	Sea Tanker	Crude Tanker	120,000-199,999 dwt
SEA	Sea Tanker	Crude Tanker	200,000+ dwt
SEA	Sea Tanker	Crude Tanker	Average
SEA	Cargo Ship	General Cargo	Average
SEA	Cargo Ship	General Cargo	0-4999 dwt 100+ TEU
SEA	Cargo Ship	General Cargo	5000-9999 dwt 100+ TEU
SEA	Cargo Ship	General Cargo	10,000+ dwt 100+ TEU
SEA	Cargo Ship	General Cargo	0-4999 dwt
SEA	Cargo Ship	General Cargo	5000-9999 dwt
SEA	Cargo Ship	General Cargo	10,000+ dwt
SEA	Cargo Ship	Large RoPax Ferry	Average
SEA	Sea Tanker	LNG Tanker	200,000+ m3
SEA	Sea Tanker	LNG Tanker	0-199,999 m3
SEA	Sea Tanker	LNG Tanker	Average
SEA	Sea Tanker	LPG Tanker	50,000+ m3
SEA	Sea Tanker	LPG Tanker	Average
SEA	Sea Tanker	LPG Tanker	0-49,999 m3
SEA	Sea Tanker	Products Tanker	10,000-19,999 dwt
SEA	Sea Tanker	Products Tanker	Average
SEA	Sea Tanker	Products Tanker	0-4999 dwt
SEA	Sea Tanker	Products Tanker	5000-9999 dwt
SEA	Sea Tanker	Products Tanker	60,000+ dwt
SEA	Sea Tanker	Products Tanker	20,000-59,999 dwt
SEA	Cargo Ship	Refrigerated Cargo	All dwt
SEA	Cargo Ship	RoRo-Ferry	2000+ LM
SEA	Cargo Ship	RoRo-Ferry	Average

SEA	Cargo Ship	RoRo-Ferry	0-1999 LM
SEA	Cargo Ship	Vehicle Transport	Average
SEA	Cargo Ship	Vehicle Transport	0-3999 CEU
SEA	Cargo Ship	Vehicle Transport	4000+ CEU
RAIL	Freight Train		
LAND	HGV	All artics	
LAND	HGV refrigerated	All artics	
LAND	HGV	All artics	
LAND	HGV refrigerated	All artics	
LAND	HGV refrigerated	All artics	
LAND	HGV	All artics	
LAND	HGV	All HGVs	
LAND	HGV	All HGVs	
LAND	HGV refrigerated	All HGVs	
LAND	HGV refrigerated	All HGVs	
LAND	HGV refrigerated	All HGVs	
LAND	HGV	All HGVs	
LAND	HGV	All rigids	
LAND	HGV	All rigids	
LAND	HGV	All rigids	
LAND	HGV refrigerated	All rigids	
LAND	HGV refrigerated	All rigids	
LAND	HGV refrigerated	All rigids	
LAND	HGV	Articulated (>33t)	
LAND	HGV	Articulated (>33t)	
LAND	HGV	Articulated (>33t)	
LAND	HGV refrigerated	Articulated (>33t)	
LAND	HGV refrigerated	Articulated (>33t)	
LAND	HGV refrigerated	Articulated (>33t)	
LAND	HGV	Articulated (>3.5 - 33t)	
LAND	HGV refrigerated	Articulated (>3.5 - 33t)	
LAND	HGV refrigerated	Articulated (>3.5 - 33t)	
LAND	HGV refrigerated	Articulated (>3.5 - 33t)	
LAND	HGV	Articulated (>3.5 - 33t)	
LAND	HGV	Articulated (>3.5 - 33t)	
LAND	Vans	Average	
LAND	Vans	Average	
LAND	Vans	Average	
LAND	Vans	Average	
LAND	Vans	Average	
LAND	Vans	Average	
LAND	Vans	Class II (1.305 to 1.74 tonnes)	
LAND	Vans	Class II (1.305 to 1.74 tonnes)	
LAND	Vans	Class II (1.305 to 1.74 tonnes)	
LAND	Vans	Class III (1.74 to 3.5 tonnes)	
LAND	Vans	Class III (1.74 to 3.5 tonnes)	
LAND	Vans	Class III (1.74 to 3.5 tonnes)	
LAND	Vans	Class I (up to 1.305 tonnes)	
LAND	Vans	Class I (up to 1.305 tonnes)	
LAND	Vans	Class I (up to 1.305 tonnes)	

LAND	HGV	Rigid (>17 tonnes)
LAND	HGV refrigerated	Rigid (>17 tonnes)
LAND	HGV refrigerated	Rigid (>17 tonnes)
LAND	HGV refrigerated	Rigid (>17 tonnes)
LAND	HGV	Rigid (>17 tonnes)
LAND	HGV	Rigid (>17 tonnes)
LAND	HGV refrigerated	Rigid (>3.5 - 7.5 tonnes)
LAND	HGV	Rigid (>3.5 - 7.5 tonnes)
LAND	HGV	Rigid (>3.5 - 7.5 tonnes)
LAND	HGV	Rigid (>3.5 - 7.5 tonnes)
LAND	HGV refrigerated	Rigid (>3.5 - 7.5 tonnes)
LAND	HGV refrigerated	Rigid (>3.5 - 7.5 tonnes)
LAND	HGV refrigerated	Rigid (>7.5 tonnes-17 tonnes)
LAND	HGV	Rigid (>7.5 tonnes-17 tonnes)
LAND	HGV	Rigid (>7.5 tonnes-17 tonnes)
LAND	HGV refrigerated	Rigid (>7.5 tonnes-17 tonnes)
LAND	HGV	Rigid (>7.5 tonnes-17 tonnes)
LAND	HGV refrigerated	Rigid (>7.5 tonnes-17 tonnes)
AIR		
AIR		
AIR		

LADEN	FUEL TYPE	DEPARTURE	ARRIVAL	KM
		Test Departure 1	Test Arrival 1	1687.88
		Test Departure 2	Test Arrival 2	1385.89
		Test Departure 3	Test Arrival 3	1276.24
		Test Departure 4	Test Arrival 4	1841.72
		Test Departure 5	Test Arrival 5	1138.71
		Test Departure 6	Test Arrival 6	1496.79
		Test Departure 7	Test Arrival 7	1326.56
		Test Departure 8	Test Arrival 8	1755.57
		Test Departure 9	Test Arrival 9	1542.76
		Test Departure 10	Test Arrival 10	1409.92
		Test Departure 11	Test Arrival 11	1457.91
		Test Departure 12	Test Arrival 12	1306.17
		Test Departure 13	Test Arrival 13	1138.60
		Test Departure 14	Test Arrival 14	1032.48
		Test Departure 15	Test Arrival 15	1845.81
		Test Departure 16	Test Arrival 16	1849.83
		Test Departure 17	Test Arrival 17	1302.76
		Test Departure 18	Test Arrival 18	1603.07
		Test Departure 19	Test Arrival 19	1915.72
		Test Departure 20	Test Arrival 20	1790.97
		Test Departure 21	Test Arrival 21	1318.99
		Test Departure 22	Test Arrival 22	1942.81
		Test Departure 23	Test Arrival 23	1472.07
		Test Departure 24	Test Arrival 24	1120.94
		Test Departure 25	Test Arrival 25	1379.83
		Test Departure 26	Test Arrival 26	1759.83
		Test Departure 27	Test Arrival 27	1760.46
		Test Departure 28	Test Arrival 28	1418.18
		Test Departure 29	Test Arrival 29	1699.44
		Test Departure 30	Test Arrival 30	1209.84
		Test Departure 31	Test Arrival 31	1837.15
		Test Departure 32	Test Arrival 32	1429.26
		Test Departure 33	Test Arrival 33	1256.37
		Test Departure 34	Test Arrival 34	1022.02
		Test Departure 35	Test Arrival 35	1707.80
		Test Departure 36	Test Arrival 36	1388.11
		Test Departure 37	Test Arrival 37	1084.32
		Test Departure 38	Test Arrival 38	1361.02
		Test Departure 39	Test Arrival 39	1601.23
		Test Departure 40	Test Arrival 40	1888.87
		Test Departure 41	Test Arrival 41	1342.69
		Test Departure 42	Test Arrival 42	1754.43
		Test Departure 43	Test Arrival 43	1344.42
		Test Departure 44	Test Arrival 44	1401.15
		Test Departure 45	Test Arrival 45	1782.68
		Test Departure 46	Test Arrival 46	1977.06
		Test Departure 47	Test Arrival 47	1112.90
		Test Departure 48	Test Arrival 48	1130.03
		Test Departure 49	Test Arrival 49	1690.93

		Test Departure 50	Test Arrival 50	1232.62
		Test Departure 51	Test Arrival 51	1578.90
		Test Departure 52	Test Arrival 52	1768.17
		Test Departure 53	Test Arrival 53	1692.88
		Test Departure 54	Test Arrival 54	1314.20
50% Laden		Test Departure 55	Test Arrival 55	1999.54
50% Laden		Test Departure 56	Test Arrival 56	1634.27
Average Laden		Test Departure 57	Test Arrival 57	1148.08
100% Laden		Test Departure 58	Test Arrival 58	1273.20
Average Laden		Test Departure 59	Test Arrival 59	1126.15
100% Laden		Test Departure 60	Test Arrival 60	1547.22
50% Laden		Test Departure 61	Test Arrival 61	1583.04
Average Laden		Test Departure 62	Test Arrival 62	1982.52
Average Laden		Test Departure 63	Test Arrival 63	1317.91
50% Laden		Test Departure 64	Test Arrival 64	1806.63
100% Laden		Test Departure 65	Test Arrival 65	1357.61
100% Laden		Test Departure 66	Test Arrival 66	1014.18
50% Laden		Test Departure 67	Test Arrival 67	1333.03
Average Laden		Test Departure 68	Test Arrival 68	1386.81
100% Laden		Test Departure 69	Test Arrival 69	1924.13
Average Laden		Test Departure 70	Test Arrival 70	1628.56
50% Laden		Test Departure 71	Test Arrival 71	1887.77
100% Laden		Test Departure 72	Test Arrival 72	1350.72
100% Laden		Test Departure 73	Test Arrival 73	1106.64
50% Laden		Test Departure 74	Test Arrival 74	1028.48
Average Laden		Test Departure 75	Test Arrival 75	1285.70
100% Laden		Test Departure 76	Test Arrival 76	1106.52
50% Laden		Test Departure 77	Test Arrival 77	1664.21
Average Laden		Test Departure 78	Test Arrival 78	1922.44
Average Laden		Test Departure 79	Test Arrival 79	1346.93
50% Laden		Test Departure 80	Test Arrival 80	1030.10
Average Laden		Test Departure 81	Test Arrival 81	1515.72
100% Laden		Test Departure 82	Test Arrival 82	1697.70
50% Laden		Test Departure 83	Test Arrival 83	1760.15
100% Laden		Test Departure 84	Test Arrival 84	1815.19
	Diesel	Test Departure 85	Test Arrival 85	1165.64
	Battery Electric Vehicle	Test Departure 86	Test Arrival 86	1201.95
	Petrol	Test Departure 87	Test Arrival 87	1823.38
	CNG	Test Departure 88	Test Arrival 88	1037.04
	LPG	Test Departure 89	Test Arrival 89	1131.97
	Unknown	Test Departure 90	Test Arrival 90	1533.55
	Battery Electric Vehicle	Test Departure 91	Test Arrival 91	1135.54
	Petrol	Test Departure 92	Test Arrival 92	1892.34
	Diesel	Test Departure 93	Test Arrival 93	1544.32
	Battery Electric Vehicle	Test Departure 94	Test Arrival 94	1775.29
	Petrol	Test Departure 95	Test Arrival 95	1389.57
	Diesel	Test Departure 96	Test Arrival 96	1857.31
	Petrol	Test Departure 97	Test Arrival 97	1770.17
	Diesel	Test Departure 98	Test Arrival 98	1029.86
	Battery Electric Vehicle	Test Departure 99	Test Arrival 99	1982.92

100% Laden	Test Departure 100	Test Arrival 100	1279.85
Average Laden	Test Departure 101	Test Arrival 101	1610.51
50% Laden	Test Departure 102	Test Arrival 102	1289.90
100% Laden	Test Departure 103	Test Arrival 103	1814.63
Average Laden	Test Departure 104	Test Arrival 104	1272.54
50% Laden	Test Departure 105	Test Arrival 105	1921.18
100% Laden	Test Departure 106	Test Arrival 106	1847.11
100% Laden	Test Departure 107	Test Arrival 107	1796.97
50% Laden	Test Departure 108	Test Arrival 108	1982.65
Average Laden	Test Departure 109	Test Arrival 109	1431.74
Average Laden	Test Departure 110	Test Arrival 110	1859.09
50% Laden	Test Departure 111	Test Arrival 111	129.22
50% Laden	Test Departure 112	Test Arrival 112	250.24
50% Laden	Test Departure 113	Test Arrival 113	1982.65
Average Laden	Test Departure 114	Test Arrival 114	1814.63
Average Laden	Test Departure 115	Test Arrival 115	1770.17
100% Laden	Test Departure 116	Test Arrival 116	1029.86
100% Laden	Test Departure 117	Test Arrival 117	1389.57
	SAW	SAW	1892.34
	SAW	ESB	1401.15
	IST	SAW	123.22

ACTIVITY DATA	WITH RF	Emission Factor	EF uncertainty
15.50			
3.06			6.10
10.09			
182.81			
133.64			
153.41		2.61	5.50
138.85			
181.86			
132.94			
183.15			
155.04		1.22	
120.11			
145.00			
198.57			
155.84			
160.14			
134.31			
128.45			
117.20			
168.37			
153.91			
132.08			
193.70			
156.66			
101.29			
138.32			
184.08			
183.16			
182.18			
142.52			
124.87			
151.77			
132.91			
189.84			
149.55			
143.93			
148.97			
121.26			
192.82			
123.40			
161.25			
174.42			
182.66			
169.09			
104.33			
109.02			
144.55			
184.82			
101.81			

136.29  
190.69  
117.43  
106.31  
156.66  
169.61  
114.48  
133.03  
131.00  
187.49  
163.28  
123.03  
133.65  
157.25  
171.80  
105.02  
101.84  
179.05  
158.79  
147.64  
187.27  
115.74  
157.02  
141.00  
125.46  
114.32  
173.62  
149.02  
143.94  
154.10  
194.07  
137.83  
101.71  
110.35  
139.93  
184.80  
194.58  
172.87  
106.71  
179.50  
153.55  
159.75  
146.33  
152.65  
188.78  
142.12  
176.17  
140.31  
143.39  
193.06



146.61		
179.25		
194.78		
130.18		
138.49		
113.10		
184.93		
193.01		
119.40		
186.40		
143.53		
162.75		
176.20		
194.78		
130.18		
138.49		
113.10		
184.93		
154.10	YES	3.5
194.07	NO	
1231.00		1

## Activity uncertainty

5.00

5.60