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1988-2002	1		
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1988-2002	1		
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1	Yes	600
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caLEPA's Reference Exposure Levels			
Chronic RELs			
Hazard Index Target(s)	Human Data	REL (ug/m3)	Avg Time (h)
Nervous system		6.8 x 104	1

Alimentary system

Reproductive system	Yes

Alimentary system (liver)

Respiratory system; cardiovascular system

Reproductive system

Nervous system; respiratory system; alimentary system; kidney		
Alimentary system; kidney; cardiovascular system	3 x 103	1

Respiratory system	Yes

Eyes; alimentary system (hepatotoxicity)

Respiratory system		
Respiratory system; eyes	1.9 x 10-1	1
	6 x 103	1

Respiratory system

Respiratory system	Yes	3.2 x 103	1

Development; cardiovascular system; nervous system	1.9 x 10-1	4
	1.6 x 102	1

Hematopoietic systeml development; nervous system	Yes	1.3 x 103	6

Respiratory system; immune system	Yes	2,4 x 102	1

Respiratory system; nervous system; development	3.9 x 103	1
Kidney; respiratory system	Yes	

Nervous system; reproductive system	Yes	6.2 x 103	6
		2.3 x 104	1
Alimentary system; development; nervous system		1.9 x 103	7

Alimentary system (liver); reproductive system; development; endocrine system; respiratory system; hematopoietic system
Respiratory system 2.1 x 102 1

Respiratory system

Alimentary system; kidney; development	1.5 x 102	7
Respiratory system	2.9 x 101	1

Respiratory system	Yes		
Respiratory system			
		1 x 102	1

Cardiovascular system; nervous system 1.4 x 104 1

Respiratory system
Cardiovascular system; nervous system

Respiratory system; eyes		1.3 x 103	1
Development; alimentary system			
Development; alimentary system (liver); kidney; endocrine system			
Respiratory system; kidney; development	Yes		
Reproductive system; hematopoietic system		1.4 x 104	1-Jan
		1.4 x 102	6
Development		3.7 x 102	6
Reproductive system		9.3 x 101	6
Reproductive system			
Nervous system			

Respiratory system; eyes	Yes	9.4 x 101	1

Respiratory system

Alimentary system; endocrine system			
Respiratory system		2.1 x 103	1
Nervous system; endocrine system; cardiovascular system	Yes	3.4 x 102	1
		2.4 x 102	1
		5	1
Respiratory system		4.2 x 101	1

Development; liver

Kidney; development 3.2 x 103 1

Respiratory system	
Nervous system	Yes

Nervous system	Yes	1.8	1

Development	2.8 x 104	1
	1.3 x 104	1
Respiratory system; reproductive system		

Kidney; eyes; alimentary system (liver)

Respiratory system

Alimentary system; respiratory system	Yes
Respiratory system	
Nervous system	
Respiratory system; hematopoietic system	

Respiratory system; hematopoietic system	6	1
	8.6 x 101	1
	4.7 x 102	1

1.8 x 102 1

2 x 104 1

Alimentary system; cardiovascular system; kidney; nervous system		5.8 x 103	1
		4	1
Respiratory system; alimentary system; nervous system; kidney; hematopogietic system Respiratory system			
Respiratory system	Yes		

Respiratory system

Alimentary system (liver)

Respiratory system	3.1 x 103	1

Alimentary system; cardiovascular system; nervous system	Yes
Respiratory system	Yes

		8	1
Nervous system	Yes	2.1 x 104	1
		1.2 x 102	1
		6.6 x 102	1
Respiratory system		1.2 x 102	1

Kidney; alimentary system (liver)

Nervous system; respiratory system; development 3.7 x 104 1

Nervous system; eyes	Yes		
Nervous system			
Eyes		2.8 x 103	1

3 x 101 1

Respiratory system

		1.8 x 105	1
Nervous system; respiratory system	Yes	2.2 x 104	1

Acute RELs				ATSDR - CERCLA Priority List (2007) http://www.atsdr.cdc.gov/cercla/07list.html	
Sp.	Toxicologic Endpoint	Severity	calEPA Score	2007 Rank	ATSDR Score
			0		0
			0		0
			0		0
			0		0
Human	CNS - mild	Mild	1	97	1
			0		0
			0	146	1
			0		0
			0	163	1
			0		0
			0		0
			0		0

	0		0
	1	160	1
	0	79	1
	0		0
	0		0
	0		0
	0	162	1
	0		0
	0	273	1
	0	263	1
	0		0
	0		0
	0		0
	0		0
	0		0
	0		0
	0		0
	0		0
	0		0
	0	116	1
	0		0
	0		0

	0	200	1
	0		0
	0		0
	0	44	1
	1	172	1
	0		0
	0		0
	0		0

	1	85	1
	0	270	1
	0	173	1
	0	206	1
	0		0
	0	167	1
	1		0
	0		0
	0		0
	0	103	1
	1	156	1

			0			0
			0		203	1
			0	258 (cis); 266 (trans)		1
			0			0
			0			0
			0			0
			0			0
			1		159	1
Human	Eye and respiratory irritation	Mild	1		210	1
			0			0
			0			0
			0			0
			0			0
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			0			0
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0	275	1
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0	168	1
0	207	1
0	73	1
0		0
0		0
0		0
0		0
0	222	1
0		0
0	86	1
0	82	1
0		0
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	0		0
	0		0
	0		0
	0	209	1
	0	248	1
	0	188	1
	0	87	1
	0	94	1
	0		0
	0		0
	0		0
	0		0
	0	261	1
	0		0
	0		0
	0	208	1
	0		0
	0		0
	0		0
	0		0
	0		0
	0	245	1
	0		0
	0	72	1
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	0	158	1

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0	152	1
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0	102	1
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0	232	1
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0	161	1
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			1		0
			0		0
			0		0
			0		0
			0		0
			0	184	1
			0		0
			0		0
			0		0
			0		0
Human	Eye irritation	Mild	1	37	1
			0		0
Rat	Respiratory irritation	Mild	1		0

	1	274	1
	0	230	1
	0		0
	0		0
	0		0
	0		0
	0		0
	0		0
	0		0
	0	24	1
			0
	0		0
	0		0
	0		0
	0		0
	0		0
	0	238	1

	0	115	1
	0		0
	0	187	1
	0		0
	0		0
	0		0
	0	178	1
	0	129	1
	0		0
	0		0
	0		0

Human	Eye and respiratory irritation	Mild	1		157	1
			0			0
			0			0
			0			0
			0		131	1

	0		0
	0		0
	0	219	1
	0		0
	0		0
	0		0
	0		0
	0	30	1
	0	51	1
	0	48	1
	0	68	1
	0	81	1
	0	29	1
	0	27	1
	0	13	1
	0	14	1
	0		0
	0		0
	0	223	1
	0		0
	0	224	1

Mouse	Reproductive/developmental	Severe	1	1	1
Mouse	Hematologic system	Severe	1	234	1
			0	90	1
			0		0
			0		0
			0		0
			0		0

			0		0
			0	103	1
			0		0
			0		0
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			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0	39	1
			0		0
			0		0
Rat	Reproductive/developmental	Severe	1	6	1
			0	26	1
			0		0

			0	226	1
			0	10	1
			0		0
			0	62	1
			0	70	1
			0		0
			0		0
			0		0
			0		0
Mouse and rat	Eye and respiratory irritation	Mild	1		0
			1	42	1
			0		0

0	36	1
0		0
0		0
0		0
0		0
0		0
0		0
0		0
0	267	1
0	194	1
0	88	1
0		0
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	0		0
	0		0
	0	142	1
			0

			0		0
			0		0
			0	83	1
			0		0
			0	201	1
Human	CNS - mild; (anorexia, nausea, headache)	Mild	1		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0	195	1
			0	251	1
			0		0
			0		0
			0		0
			0		0
			0		0
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			0		0
			0		0
			0		0
			0		0
			1	7	1
			0		0
			0		0

			0	241	1
			0		0
			0		0
			0		0
			0		0
			0		0
			0	272	1
			0	268	1
			0		0
			0		0
Rat	Reproductive/developmental	Severe	1	176	1
Human	Cardiovascular system	Mild	1	189	1
Rat	Reproductive/developmental	Severe	1	47	1
			0		0
			0	238	1
			0		0
			0		0
			0		0

			0		0
			0		0
			0		0
			0	213	1
			0		0
			0		0
			0	20	1
			0	228	1
			0	138	1
			0		0
			1		0
Human	Respiratory irritation	Mild	1	91	1
			0		0

			1		0
			0		0
			0		0
			0	104	1
			0		0
			0		0
			0		0
			0	183	1
Rat	Reproductive/developmental	Severe	1	11	1
			0		0
			0		0
M	Eye and respiratory irritation	Mild	1		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0	127	1
			0		0
			0		0
			0	77	1
			0	65	1

			0		0
			0	215	1
			1		0
			1	18	1
			0	137	1
			0	119	1
			0		0
			0		0
			0		0
			0	59	1
			0		0
			0	220	1
			0	49	1
			0		0
			0	118	1
Human	Respiratory irritation	Mild	1		0
			0		0
			0		0
			0		0
			0	23	1
			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0	28	1
			0		0
			0		0
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	0	76	1
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	0		0
	0	56	1
	0		0
	0	15	1
	0	186	1
	0	236	1

			0	249	1
			0	60	1
			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0	254	1
			0		0
			0		0
			0	256	1
			0		0
Human	CNS - mild	Mild	1	80	1
			0		0
			0		0
			0		0

	0	240	1
	0	144	1
	0		0
	0	17	1
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0	38 1
0	250 1
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0	54 1
0	55 1
0	57 1
0	67 1
0	0
0	41 1
0	69 1
0	63 1
0	0
0	0

Human	Eye and respiratory irritation	Mild	1		0
			0		0
			0		0
			0		0
			0		0
			0	96	1
			0	236	1
			0		0
			0		0
			0		0
			1		0
			0		0
			0		0
			0	255	1
			0		0
			0		0
			1	99	1
			0		0
			0		0
			0		0
			1		0
Human	Eye and respiratory irritation	Mild	1		0
Rabbit	Reproductive/developmental	Severe	1		0
Rat	Reproductive/developmental	Severe	1		0
Rat	Reproductive/developmental	Severe	1		0
			1		0
			1		0
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			0		0
			0		0
			0		0
			0		0
			0	110	1
			0		0
			0	262	1
			0	211	1
			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
Human	Eye irritation	Mild	1	244	1
			0		0
			0		0

0		0
0		0
0		0
0		0
0		0
0	175	1
0	32	1
0		0
0		0
0		0
1		0
0		0
0		0
0		0
0	135	1
0		0
0		0
0	34	1
0	46	1
0	166	1
0	154	1
0		0
0		0
0		0
0		0

0	93	1
0	22	1
0	148	1
0	165	1
0	181	1
0	153	1
0	197	1
0		0

			0		0
			0		0
			0		0
			0		0
			1	84	1
Human	Eye and respiratory irritation	Mild	1		0
Monkey	CNS - serious	Severe	1	133	1
Human	Eye and respiratory irritation	Mild	1	247	1
Guinea Pig	Eye and respiratory irritation	Mild	1		0
Human	Respiratory irritation	Mild	1	191	1
			0		0
			0		0

			0		0
			0	174	1
			0	138	1
			0	132	1
			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			1		0
			0		0
Human	Eye and respiratory irritation	Mild	1		0
			0		0
			0		0
			0		0

	0		0
	0		0
	0	2 (general); 210 (lead-210)	1
	0		0
	0		0
	0		0
	0		0
	0		0
	0		0
	1		0
	0		0
	0		0
	0		0
	1	117	1
	0		0
	0		0
	0		0

			0			0
			0		241	1
			0			0
Rat	Reproductive/developmental	Severe	1		3	1
			0			0
			0			0

			0		0
			0		0
			0		0
			0		0
			0	66	1
Human	CNS - mild	Mild	1		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0	61	1
			0		0
			0		0
			0	193	1
			0		0
Human	Eye and respiratory irritation	Mild	1		0
			0		0
			0		0
			0	269	1
			1		0
			0		0
			0		0
			0	264	1

	1		0
	0		0
	0		0
	1	123	1
	0		0
	0		0
	0		0
	0		0
	0		0
	0		0
	0		0

0		0
0		0
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0		0
0		0
0		0
0		0
0		0
0		0
0		0
0		0
0		0
1	252	1
0		0
0	235	1
1	78	1
0		0
0		0
0		0
0	136	1
0		0
1		0
0	53	1
0		0
0		0
1		0

			0		0
			0		0
Human	Respiratory irritation, immune response	Mild	1		0
			0		0
			0		0
			0	216	1
			0		0
Human	Respiratory irritation	Mild	1		0
			0		0
			0		0
			0	212	1
			0		0
			0		0
Human	Respiratory irritation	Mild	1		0
			0		0
			0		0
			0		0
			0		0
			0		0

	0		0
	0		0
	0		0
	0	199	1
	0		0
	0	112	1
	0	205	1
	0		0
	0		0
	0		0

	0		0
	0		0
	0		0
	0		0
	0		0
	0		0
	0		0
	0		0
	0		0
	0	151	1
	0		0
	0		0
	0		0
	0		0
	0		0
	0		0
	0		0
	0		0
	0		0
	0		0

			0		0
			0		0
			0		0
			0		0
			0		0
			0	171	1
			0		0
			0		0
			0		0
Human	Eye and respiratory irritation	Mild	1		0
			0		0
			0	25	1

	0	21	1
	0	12	1
	0		0
	0	180	1
	0		0
	0		0
	0		0
	0	145	1
	0		0
	0		0
	0		0
	0		0

			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0	155	1
			0	192	1
			0		0
			0	204	1
			0		0
			0		0
			0	45	1
			0	265	1
			0		0
			0		0
			0		0
			0		0
Human	CNS - mild; eye and respiratory irritation	Mild	1		0
			0		0

			0		0
			0		0
			0	246	1
			0		0
Human	Eye and respiratory irritation	Mild	1	182	1
			0		0
			0		0
			0		0
			0	225	1
			0		0
Rat	Respiratory irritation	Mild	1		0
			0		0
			1	259	1
			1		0
			0	19	1
			1		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0	126	1
			0	124	1
			0	121	1
			0	138	1
			0		0
			0	257	1
			0		0
			0	122	1
			0	143	1
			0		0

	0	5	1
	0	8	1
	0		0
	0		0
	0		0
	0		0
	0		0
	0		0
	0	217	1
	0		0

			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			1		0
			0		0
			0		0
			1		0
Mouse	Eye and respiratory irritation	Mild	1		0
			0		0
			0		0
			0	185	1
			0		0

0			0
0		232	1
0			0
0			0
0			0
0			0
0			0
0			0
0			0
0			0
0	100 (general); 95 (226); 106 (228)		1
0		105	1
0		114	1
0		130	1
0			0
0			0
0			0
0		141	1
0			0
0			0
0			0
0			0
0			0
0			0
1		147	1
0			0
0			0
0			0
0			0
1			0
0		214	1
0			0

			0			0
			0			0
			0			0
			0		241	1
			0			0
			0			0
			0			0
			0			0
			0			0
Human	Skin, eye, and respiratory irritation	Mild	1			0
			0			0
			0			0
			0		230	1
			0	119 (strontium-90)		1
			0			0
Human	Eye and respiratory irritation	Mild	1		271	1
			0			0
Human	Respiratory irritation	Mild	1			0
Human	Respiratory irritation	Mild	1			0
Human	Respiratory irritation	Mild	1			0
			0			0
			0			0
			0			0
			0			0
			0			0
			0			0
			0		148	1
			0			0
			0			0

0		0
0		0
0		0
0		0
0		0
0		0
0		0
0		0
0		0
0	169	1
0		0
0	202	1
0	190	1
0		0
1	33	1
0		0
0		0
0		0
0		0
0		0
0		0
0		0
0		0
0		0

			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0		0
			0	89	1
			0		0
			0		0
			0		0
			0		0
			0	101	1
			0		0
			0	221	1
			0	113	1
			0	107	1
			0		0
Human	CNS - mild; eye and respiratory irritation	Mild	1	71	1
			0		0
			0		0

	0	31	1
	0		0
	0		0
	0		0
	0		0
	0		0
	0		0

			0		64	1
			0			0
			0			0
			0			0
			0			0
			0			0
			0			0
			0			0
			0		134	1
			0			0
			0			0
			0			0
			0			0
			0		260	1
			0			0
			0		164	1
			1		16	1
			0		149	1
			0			0
			0			0
			1	196 (ortho); 170 (para); 227 (general)		1
			0			0
Human	CNS - mild; eye irritation	Mild	1			0
			0			0

			0		0
			0	150	1
			0		0
			0		0
			0		0
			0		0
			0		0
			0	98 (general); 178 (uranium-223); 111 (uranium-234); 107 (uranium-235)	1
			0		0
			0		0
			0	198	1
			0		0
Human	Respiratory irritation	Mild	1		0
			0		0
			0		0
			1		0
			0		0

Human	CNS - mild; eye and respiratory irritation	Mild	1		4	1
			0			0
Human	Eye and respiratory irritation	Mild	1		58	1
			0			0
			0		74	1

	0		0
	0		0
	0		0
	0		0

Creatinine Corrected Urine Concentrations (µg/g of creatinine) for Total Population 6 years and older		
Geometric Mean (95% conf. interval)	95th Percentile	Sample Size

2520 (2280-2790) 21800 (18200-25400) 2595

146 (138-155)	487 (416-546)	2496
83.4 (77.4-90.0)	424 (352-474)	2515

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	4.57 (<LOD-7.11)	2496
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2537
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	11.6 (9.25-15.6)	2502

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	1.08 (0.930-1.26)	2412
286 (256-320)	2070 (1850-2390)	2521
2990 (2670-3340)	19900 (16000-23800)	2575
55.4 (51.1-60.0)	212 (180-252)	2512
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2502
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2534

1.73 (1.49-2.01)	9.22 (6.94-12.3)	2508
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2480
119 (106-134)	1330 (1130-1590)	2502
108 (101-115)	497 (406-566)	2426
0.316 (0.274-0.365)	3.10 (2.21-4.88)	2538

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2538
23.3 (21.7-25.0)	114 (102-130)	2443
252 (230-276)	1100 (918-1390)	2504

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2500

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1942

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	0.277 (0.250-0.294)	2558
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	3.04 (<LOD-3.50)	2568

8.24 (7.07-9.59)	50.4 (40.3-64.5)	2557
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2476

1.48 (1.37-1.60)	7.10 (6.29-7.77)	2558

Not calculated: proportion of results below limit of detection was too high to provide a valid result. <LOD 2558

2.58 (2.36-2.82)		11.2 (9.78-12.4)	2514

	0.210 (0.201-0.219)	0.940 (0.833-1.04)	2543

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2529

4.64 (4.42-4.87)	10.6 (9.75-11.0)	2558

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2538
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	0.789 (0.630-1.03)	2538
0.314 (0.303-0.325)	1.02 (0.911-1.10)	2558

62.5 (58.3-67.0)	1060 (825-1150)	2594

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	0.410 (0.330-0.510)	1962
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	13.2 (10.5-16.1)	1928
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	2.62 (2.00-3.72)	1903

3.69 (3.24-4.19)	13.0 (10.7-16.0)	2568
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	5.27 (2.69-7.61)	1927
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	14.6 (12.5-17.6)	1962
1.97 (1.71-2.27)	30.4 (25.4-34.2)	1962
37.0 (33.6-40.7)	294 (247-368)	2594
279 (245-317)	2400 (2000-2890)	2594

7.52 (6.83-8.29)	50.6 (39.9-75.1)	2590

29.1 (27.3-31.0)	510 (388-619)	2594

0.632 (0.603-0.662)	1.97 (1.73-2.26)	2558
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1920

0.443 (0.404-0.486)	2.35 (1.88-2.85)	2537

Not calculated: proportion of results below limit of detection was too high to provide a valid result. <LOD 2537

39.4 (37.6-41.3)	120 (107-135)	2558
20.4 (18.7-22.3)	182 (134-262)	2605
13.6 (12.4-14.8)	118 (94.1-153)	2605
2.20 (2.01-2.41)	25.4 (16.7-34.7)	2605
2.74 (2.56-2.93)	10.7 (9.53-11.9)	2605
12.9 (12.2-13.7)	70.0 (62.4-79.9)	2605
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	0.405 (0.400-0.500)	2605
3.57 (3.18-4.00)	15.4 (12.8-18.6)	2605
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	2.92 (<LOD-3.18)	2605
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	13.5 (11.3-18.1)	2605
19.8 (18.5-21.2)	91.6 (74.1-115)	2605
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2605
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	0.410 (0.350-0.500)	2534

4.58 (4.20-5.01)	201 (183-261)	2581
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	1.75 (1.21-2.33)	2528

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	2.26 (1.67-3.09)	2527
3.14 (2.89-3.41)	12.0 (11.0-14.0)	2504

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2558
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	2.89 (2.44-3.23)	2476

0.154 (0.149-0.158)	0.350 (0.328-0.369)	2558

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	2.55 (2.15-3.10)	2524

0.070 (0.0631-0.078)	0.333 (0.255-0.439)	2558
0.008 (0.007-0.008)	0.029 (0.023-0.039)	2557

Urine Concentrations (µg/L) for Total Population 6 years and older		
Geometric Mean (95% conf. interval)	95th Percentile	Sample Size

2680 (2360-3050)

26100 (23000-33600) 2595

156 (140-173)	625 (538-745)	2496
89.2 (79.8-99.7)	569 (493-676)	2515

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	2.42 (<LOD-8.27)	2497
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2538
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	14.9 (13.4-17.9)	2503

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	1.27 (1.02-1.37)	2413
304 (262-354)	2670 (2230-3130)	2521
3360 (2860-3960)	25800 (22600-27700)	2575
59.3 (52.5-66.9)	291 (252-336)	2512
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2503
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2535

1.76 (1.52-2.03)	12.4 (10.4-15.3)	2509
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2481
126 (108-148)	1740 (1400-2070)	2502
115 (104-128)	647 (509-788)	2426
0.321 (0.276-0.374)	3.32 (2.52-5.25)	2539

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2539
25.1 (22.6-27.9)	152 (118-176)	2443
267 (234-305)	1390 (1130-1600)	2504

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2501

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1942

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	0.280 (0.250-0.320)	2558
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	1.10 (<LOD-1.50)	2568

8.30 (7.19-9.57)	65.4 (48.7-83.3)	2557
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2477

1.49 (1.36-1.64)	7.54 (6.93-8.63)	2558

Not calculated: proportion of results below limit of detection was too high to provide a valid result. <LOD 2558

2.64 (2.38-2.94)		16.0 (14.4-17.2)	2517

0.211 (0.196-0.226)		1.15 (0.980-1.26)	2543

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2530
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1362

4.67 (4.39-4.97)	12.7 (11.5-13.9)	2558

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2539
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2539
0.316 (0.291-0.343)	1.16 (1.08-1.26)	2558

66.7 (60.4-73.7)	1070 (893-1330)	2594

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	0.320 (0.170-0.540)	1965
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	15.7 (14.1-17.2)	1931
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	2.80 (2.31-3.78)	1905

3.71 (3.33-4.14)	16.0 (13.0-17.8)	2568
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	5.05 (3.30-7.16)	1930
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	14.8 (12.4-17.8)	1965
2.10 (1.83-2.40)	31.1 (26.5-40.0)	1965
39.5 (36.1-43.4)	367 (311-423)	2594
298 (265-334)	2620 (2360-2880)	2594

8.02 (7.07-9.10)	64.9 (45.4-97.9)	2590

31.1 (29.0-33.3)	528 (402-610)	2594

0.636 (0.595-0.680)	2.29 (2.03-2.62)	2558
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1920

0.447 (0.406-0.492)	3.19 (2.76-3.55)	2538

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2538

39.7 (37.7-41.7)	138 (133-146)	2558
21.7 (19.3-24.4)	266 (165-383)	2605
14.5 (13.0-16.1)	157 (106-232)	2605
2.34 (2.10-2.62)	31.0 (21.4-42.0)	2605
2.91 (2.79-3.04)	15.3 (13.8-16.2)	2605
13.7 (12.7-14.9)	101 (85.3-125)	2605
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2605
3.80 (3.40-4.25)	21.3 (18.6-26.0)	2605
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	1.00 (<LOD-1.30)	2605
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	16.3 (12.0-20.4)	2605
21.1 (19.8-22.5)	122 (104-137)	2605
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2605
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	0.80 (0.140-0.220)	2535

4.91 (4.34-5.55)	230 (185-342)	2581
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	1.27 (0.710-2.85)	2529

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	1.94 (1.58-2.53)	2528
3.22 (2.93-3.55)	13.0 (12.0-15.0)	2522

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	2558
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	3.71 (3.41-4.00)	2477

0.155 (0.145-0.165)	0.440 (0.410-0.490)	2558

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	2.54 (1.68-3.70)	2525

0.071 (0.064-0.078)	0.400 (0.330-0.480)	2558
0.008 (0.007-0.008)	0.031 (0.026-0.037)	2557

CDC Fourth Report (2003-2004)

Blood Concentrations (pg/mL) for Total Population 1 year and older		
Geometric Mean (95% conf. interval)	95th Percentile	Sample Size
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1345
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1235
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1354

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1367
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1367

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1170
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1327

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1346
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1366
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1367
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1364

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1334
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	3.30 (1.70-5.10)	1322

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	0.260 (0.210-0.320)	1345

1.50 (1.20-1.86)	9.50 (7.00-12.0)	1322
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	6.40 (3.60-14.0)	1310
0.304 (0.289-0.320)	1.60 (1.50-1.60)	8372

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1366
10.2 (8.56-12.2)	50.0 (37.0-56.0)	1222

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	7.20 (4.80-8.60)	1333
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1165

0.035 (0.033-0.37)	0.110 (0.098-0.120)	1299

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1366

1.43 (1.36-1.50)	4.20 (3.90-4.40)	8373

0.797 (0.703-0.903)		4.90 (4.30-5.50)	8373

11.0 (5.98-20.1)	170 (110-340)	1307

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1066

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	0.090 (0.081-0.097)	1365

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	0.120 (0.110-0.130)	1245

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	0.140 (0.091-0.300)	1317

0.114 (0.100-0.129)		0.680 (0.560-0.880)	1336

Not calculated: proportion of results below limit of detection was too high to provide a valid result. <LOD 1228

0.136 (0.123-0.150)	0.340 (0.310-0.400)	1346

Lipid Adjusted Serum Concentrations (ng/g of lipid on a lipid-weight basis) for 20 years and Older			Lipid Adjusted Se Concentrations (pg/g on a lipid-weight basis years and Olde	
Geometric Mean (95% conf. interval)	95th Percentile	Sample Size	Geometric Mean (95% conf. interval)	95th Percentile

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1268
220 (<LOD-244)	794 (665-978)	1270
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	18.0 (16.0-20.9)	1275
26.8 (24.6-29.2)	91.3 (73.5-117)	1874
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1269
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	9.50 (8.00-10.5)	1283
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1279
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	9.00 (8.00-10.1)	1283
19.7 (17.8-21.8)	70.8 (60.7-82.2)	1287
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1281
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1284
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1281
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	11.3 (10.1-12.7)	1290

2.59 (2.37-2.83)	13.7 (11.5-15.6)	1867
3.6 (3.40-3.89)	20.1 (18.1-21.9)	1263
3.37 (3.15-3.61)	15.9 (13.4-19.5)	1291
0.800 (0.721-0.888)	4.68 (4.12-5.19)	1253
6.86 (6.48-7.26)	29.5 (26.7-32.2)	1296
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	0.620 (0.490-0.800)	1288
3.71 (3.41-4.02)	20.6 (18.3-23.6)	1282
0.805 (0.746-0.869)	4.3 (3.79-5.00)	1293
1.40 (1.30-1.50)	7.80 (6.50-9.50)	1294
1.18 (1.11-1.25)	6.50 (5.69-7.58)	1297
17.7 (16.5-19.0)	77.4 (72.3-87.7)	1298
19.0 (17.9-20.1)	88.0 (77.8-96.7)	1298
1.77 (1.67-1.88)	8.40 (7.70-9.55)	1296
5.20 (4.83-5.60)	25.9 (22.1-32.1)	1295
2.60 (2.40-2.90)	12.7 (10.7-15.2)	1300
0.590 (0.546-0.638)	1.89 (1.60-2.17)	1283
0.650 (0.568-0.742)	2.60 (2.35-2.91)	1296
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	1.02 (0.850-1.40)	1282
23.7 (22.3-25.1)	101 (92.9-119)	1300
4.52 (4.14-4.94)	18.6 (17.1-21.3)	1290
1.62 (1.46-1.78)	5.51 (5.00-6.60)	1299
2.59 (2.36-2.84)	7.15 (662-7.80)	1300
3.31 (3.05-3.60)	16.8 (14.7-18.6)	1294

0.743 (0.675-0.817)	3.97 (3.51-4.59)	1278
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	1.50 (1.10-2.14)	1247
1.30 (1.18-1.43)	6.82 (5.70-8.30)	1286
1.19 (1.08-1.30)	4.18 (3.66-4.94)	1289
0.592 (0.591-0.673)	4.30 (3.90-4.70)	1280
6.62 (6.10-7.18)	34.3 (29.6-39.6)	1291
1.42 (1.34-1.49)	4.20 (3.90-4.71)	1300
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1282
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	13.0 (11.4-14.7)	1285
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1282
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	5.30 (4.50-6.10)	1288
5.38 (5.16-5.62)	24.1 (20.8-27.7)	1300
4.88 (4.61-5.17)	11.1 (10.6-11.8)	1276

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	43.2 (37.3-49.5)	1285
17.6 (16.0-19.3)	74.8 (60.2-94.4)	1283
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	13.1 (<LOD-16.5)	1281

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1358

7.89 (<LOD-9.09)	62.2 (48.2-87.6)	1370

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	19.5 (16.0-25.7)	1365

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1286

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1367
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	20.6 (16.8-24.0)	1371

15.5 (14.7-16.2)	29.0 (25.6-33.6)	1373

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	15.4 (8.10-37.1)	1359

Not calculated: proportion of results below limit of detection was too high to provide a valid result.	<LOD	1358

10.6 (9.82-11.5)	39.2 (36.3-45.5)	1383

268 (217-332)	1990 (1500-2470)	1368
Not calculated: proportion of results below limit of detection was too high to provide a valid result.	20.7 (15.9-27.5)	1370

‘um of lipid ;) for 12 r	Serum Concentrations (ng/mL) for 3 years and Older			Hemoglobin Adduct Concentrations (pmol/g hemoglobin) for Total Population 3 years and Older				Toxic Release Inventory (2008)			
Sample Size	Geometric Mean (95% conf. interval)	95th Percentile	Sample Size	Geometric Mean (95% conf. interval)	95th Percentile	Sample Size	CDC Score	Total Air Emissions (point source and fugitive) (lbs)	Total Surface Water Discharges (lbs)	Total On- and Off-site Disposal or Other Releases (lbs)	TRI Score
							0				0
							0	5.5	0	5.55	1
							0	2114.26	0	2904.26	1
							0				0
							1	91025.97	42	420642.6	1
							0	0	5	5	1
							1	3543.44	282	4041.7	1
							0				0
							1	19565.18	219.67	21052.24	1
							0				0
							0				0
							0				0

		0	169435	110	169545	1
		0				0
		1				0
		1				0
		0				0
		0	24.06	0	43.16	1
		1				0
		1				0
		1				0
		1				0
		1				0
		1				0
		1				0
		1				0
		1				0
		1				0
		1				0
		1				0
		0				0
		0	1296.01	187	1556.74	1
		0				0
		0				0

0	30373.03	0	36708.65	1
0	5848030.99	4197.43	6163883.79	1
0	1474.78	0	1474.78	1
1	0.15	0	32.41	1
0	2717.04	1	2781.3	1
0	118715	.	118715	1
0	11570	10	11580	1
1	63406.63	872.2	68723.54	1

		1	455156.1	1026.97	505261.59	1
		1				0
		1				0
		0	4837.62	7	5850.88	1
		1	102125.77	1265.1	103542.07	1
		0	0	0	12.6	1
		0				0
		0	2300.93	0	3383.93	1
		0				0
		0				0
		0	1424324.17	580	1433276.72	1

		0	20700	0	20700	1
		1	620.4	62	882.91	1
		0				0
		0	5819.94	3.9	6226.85	1
		0	1775.84	20	29897.84	1
		0				0
		0	365.18	20	3760.56	1
		1	57845.03	118	58945.98	1
		0	95845.24	41013.85	203797.68	1
		0				0
		0				0
		0	0	.	0	1
		0	9212	0	9212	1
		0	9483920.42	822.02	6504125.44	1
		0				0
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		0	163992	12710	177105	1
		0			0
		1			0

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		1					0
		0					0
		0	4490	0	4490		1
		1					0
		1					0
		1	0.25	0	95.75		1
		1					0
		1	69.59	51	217.19		1
		0					0
		0					0
		0					0
		0	1365.59	0.24	1932.92		1
		0	262	0	262		1

		0	.	.	0	1
		0	22	.	0	1
		0	.	.	0	1
		0	1266.5	5	1361.5	1
		0	4367.28	32	17946.32	1
		1	2000.05	56.01	50687.15	1
		0	16781.84	588.73	38524.57	1
		0	9	495	563	1
		0	27334.37	55	30154.14	1
		0				0
		0				0
		0				0
		0				0
		0	11.04	0	1030.55	1
		0	4.9	0	4.9	1
		0	208.41	0	268.92	1
		0				0
		0	593996.15	5814	599813.15	1
		0	45071.02	27	45098.02	1
		0				0
		0				0
		0				0
		0				0
		0	13242.32	2124	23473.66	1
		0				0
		0				0
		0				0
		1				0
		1				0
		1				0
		1				0
		1				0
		0	1878.6	5661	195911.12	1
		0	11417.79	8730	30914.79	1
		0				0
		0	26618.12	0	79698.52	1
		0				0

		0				0
		0	6937.16	0	50642.32	1
		0				0
		0	1714	122	34653	1
		0	27081.15	0	28253.91	1
		0	23	5	8922	1
		0				0
		1				0
		1				0
		0	52586	0	52586	1
		0				0
		0	2	0	2	1
		0	0	0	28.54	1
		0	0.01	0	255	1
		0	255	0	255	1
		1				0
		0				0
		1				0
		0	2867	0	2867	1
		1				0
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		0				0
		0				0
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		0				0
		1				0
		1				0
		0	2896	0	311072	1
		0				0
		0				0
		1				0
		0				0

0				0
0	316.3	189	2582.3	1
0	106110	5732.06	1279642.65	1
0				0
0	1316.97	0	9228.48	1
0	5641.82	61	61127.82	1
0				0
0	1	0	1	1
0				0
0	0	.	663	1
0	1	.	8	1
0				0
0				0
0				0
0				0
0				0
0	133.47	0	142.04	1
1				0
0				0
1				0
0				0
0				0
0				0
0				0
0	0.01	0	78.52	1
0				0
1				0
0				0
0	755.1	6	1011.1	1
0				0
0				0

					0	769	0	1919	1
					0	10606876.6	451464.67	11577722.85	1
					0	239	180	917707	1
					1				0
					0				0
					0				0
					0				0
					0	341761.23	4572.22	14368524.71	1
					0	124840.53	516.5	775579.74	1
					0				0
					0	.	.	0	1
					0	206704.55	134	1812333.1	1
	61.2 (58.1-64.6)	192 (168-217)	7101		1	10455.04	298	4904437.33	1
					0	267521.81	11788.7	3552730.72	1

		0	425307.64	131.08	5283256.2	1
		0				0
		0				0
		1	358.66	9	367.94	1
		0				0
		0				0
		0				0
		0	115	0	118	1
		0				0
		1	25.73	0.2	1971.93	1
		0				
		0				0
		0	61122.43	18421	513133.78	1
		0	28697.19	2207	31476.83	1
		0	4950	1	4951	1
		0				0
		0				0

	0				0
	0				0
	0	1403191.69	0	22083337.74	1
	0	41532.34	223.5	7341345.94	1
	0	109	0	8778	1
	0				0
	0				0
	0				0
	0	300	13	1215	1
	0	0	0	0	1
	0	10.01	0	64.07	1

		0	108633979	4920895.34	140935341.4	1
		0				0
		0				0
		0				0
		0				0

		0	110247.2	3525	1038899.71	1
		0	10301.22	282	782606.24	1
		1	3134.54	3283.56	1029709.77	1
		0	36849.33	15144.35	8101555.89	1
		0				0
		0				0
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		0				0
		0				0
		1				0
		0	103309.1	200848	71212138.34	1
		0				0

		1	965.8	2389.87	2825842.84	1
		0				0
		0	146.96	0	12786175.49	1
		0				0
		0				0
		1	42293.03	91	692347.76	1
		0				0

0				0
1	2309591.04	1743473.71	257857129.4	1
0				0
0				0
0				0
0				0
0	5	0	5	1
0				0
0	2305	.	2305	1
0	5	0	5	1
0				0
0				0
0				0
0	191.37	0	270.98	1
0				0
1	4900523.23	9625.39	5506516.45	1
0	6.5	26.8	49.39	1
0				0

		0				0
		0				0
		0	18218.82	441.68	77911.76	1
		0				0
		0				0
		0				0
		0	111.03	0	134.18	1
		0	2422.75	0	6942.84	1
		0	2282.04	250	17414.57	1
		0	12572.41	224	24693.51	1
		1	6555.34	194.3	880435.23	1
		0				0

		1				0
		0				0
		0				0
		0				0
		0				0
		0	20	5	4385	1
		0	273	0	273	1
		0	0.8	0	69.31	1
		0				0
		0				0
		0	111.25	1.75	181.25	1
		0	0	0	0	1
		0	.	.	0	1
		1				0
		0				0
		0	244	0	1720	1
		0	35344	0	36527	1
		0				0

		0			0
		0			0
		0	347618	10	357873	1
		0			0

		0	5212	0	5212	1
		0				0
		0				0
		1				0
		1	7001	.	7001	1
		0	365525.84	71.05	372975.15	1
		0				0
		0	11541	0	11541	1
		0	10	0	10	1
		0	80	0	103	1
		0				0
		0	157199.48	11.38	171759	1
		0				0
		0				0
		0				0
		0				0
		0	323351.64	4766.9	515302.54	1
		0	2	0	2	1
		0				0
		0	0	0	1456	1
		0				0
		0	.	.	0	1
		0				0
		0				0
		1	1029.64	110.2	537507.78	1
		0	14477.53	1172.94	2672938.76	1
		0				0

		0				0
		0	30.46	0	30.46	1
		0				0
		0				0
		0				0
		0	1304.7	10	5165.7	1
		0	545.05	10.2	1151.05	1
		0				0
		0	134	0	154	1
		1				0
		0	9010362.96	22091	9034301.86	1
		0				0
		1	158793.19	595.1	299669.64	1
		0	19326421.55	753	19329478.55	1
		0				0
		0				0
		0	20.45	0	20.45	1
		0	3017.72	15036.46	296641.55	1

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	0				0

	0	444204.55	0	455647.55	1
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	1	362339.65	1069.1	405068.09	1
	0	0	0	37.16	1
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	0	691599.78	239	702982.78	1
	1	526485.73	7697.01	659218.34	1
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	0	2567.71	0	2567.71	1
	0	270467.88	108	278011.88	1
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	0	6430	49.05	105701.05	1
	0	429.32	0	429.32	1
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	0				0
	0	12	0	12.17	1
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	0	425725.98	8633.46	10539509.17	1
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				0	585251.25	481036.65	214637901.4	1
				0				0
0.071 (0.059-0.089)	2.17 (1.81-2.54)	6320		1				0
				0	339585.01	1792	665237.27	1
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			0	1.31	0	1.31	1
			0	1476.07	933	15956.29	1
			0	403474384.7	0	404086157.6	1
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			0	58875718.52	3078	64517851.79	1
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		0	107297	156.3	107453.3	1
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0	1521446.1	6578866.55	203667037	1
0	19202	2	19858	1
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	0				0
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	0	123885.93	185.08	131625.4	1
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	0	30739.22	7.02	31594.24	1
	0	3264681.86	20981.4	3452368.97	1
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	0	34	0	36	1

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				0				0
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		0	317613.25	438.5	413438.63		1
		0					0
		1					0
		0	117378.78	45828.26	1495176.78		1
		1					0
		1					0
		1					0
		1					0
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		0					0
		1					0
		1					0
		1					0
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		0					0
		0	181422.91	51	184057.53		1
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		0	1371134.08	7280	2723459.91		1
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		0	189555.37	14851.51	5803438.71		1
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				0	297702.88	586	801224.04		1
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				0					0
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		0				0

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				0	3901.49	10.01	58800.06	1
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				0	354.61	32.27	796.93	1
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				0				0
				0	1310.17	0	1526.17	1
				0				0
				1	379.42	1126.53	5701.66	1
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3.95 (3.65-4.27)	9.80 (7.40-14.1)	2094		1				0

20.7 (19.2-22.3)	54.6 (44.0-66.5)	2094	1					
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			0				0
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			0	260213.27	7	317585.82	1
			0	218	15.1	237.1	1
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0	11519053.36	565	11528845.51	1
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0	463698.88	1276	468364.29	1
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0				0
0	811812.96	47	817726.96	1
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		0	1753.48	92	15764.48	1
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Clean Air Act HAPs (1990)		
http://www.epa.gov/ttn/atw/orig189.html		
On the HAPs List?	HAP Score	On the CCL?
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Drinking Water Contaminant Candidate List

http://www.epa.gov/safewater/ccl/ccl3.html#ccl3

Information About the Contaminant

It is an industrial chemical used in the production of other substances.

It is an industrial chemical used as a solvent.

It is an industrial chemical used in paint manufacture.

It is an industrial chemical used in rubber production.

It is used as a solvent or solvent stabilizer in the manufacture and processing of paper, cotton, textile products, automotive coolant, cosmetics and shampoos.

It is used in the manufacture of plastics.

It is used in consumer products, such as synthetic cosmetics, perfumes, fragrances, hair preparations, and skin lotions.

It is a carbamate, and is a pesticide degradate. The parent, carbofuran, is used as an insecticide.

It is used in the production of other substances, and as a corrosion inhibitor and curing agent for polyurethanes.

It is used as an insecticide.
It is used in the production of other substances, and as a pesticide and food additive.
It is used as a solvent, solubilizer, plasticizer, and stabilizer.
It is used as an herbicide for weed control on agricultural crops.
Acetochlor ESA is an acetanilide pesticide degradate. The parent, acetochlor, is used as an herbicide for weed control on agricultural crops.
Acetochlor OA is an acetanilide pesticide degradate. The parent, acetochlor, is used as an herbicide for weed control on agricultural crops.

It is used as an aquatic herbicide, rodenticide, and industrial chemical.

Alachlor ESA is an acetanilide pesticide degradate. The parent, alachlor, is used as an herbicide for weed control on agricultural crops.
Alachlor OA is an acetanilide pesticide degradate. The parent, alachlor, is used as an herbicide for weed control on agricultural crops.

It is used in the production of other substances, and in the manufacture of flavorings and perfumes.

It is a component of benzene hexachloride (BHC) and was formerly used as an insecticide.

It is used as an industrial chemical, as a solvent, in the synthesis of explosives, rubber products, and in isocyanates.

It is used as an herbicide.

It is used in the production of other substances, such as plastics, dyes, lubricants, gasoline and pharmaceuticals.

It is used as an insecticide.

It has been used as a fumigant as a fungicide.

It is used as a food additive (antioxidant).

It is used as a food additive (antioxidant).

It is used as a refrigerant, as a low-temperature solvent, and in fluorocarbon resins, especially in tetrafluoroethylene polymers.

It is used as an herbicide.

It is a naturally-occurring element and was formerly used as cobaltus chloride in medicines and as a germicide.

It is used as an industrial chemical and is used in the production of other substances.

Toxins naturally produced and released by cyanobacteria ("blue-green algae"). Various studies suggest three cyanotoxins for consideration: Anatoxin-a, Microcyst

It is used as an herbicide and plant growth regulator.
It is used as an insecticide on field crops, (such as cotton), orchard crops, vegetable crops, in forestry and for residential purposes.

It is used as an insecticide.
It is used as an herbicide.

It is used as an insecticide.
It is used as an insecticide.

It is used as a paint ingredient.

It is used as an antifreeze, in textile manufacture and is a cancelled pesticide.

It is used as a fungicidal and insecticidal fumigant.
It is used in the production of other substances, such as for vulcanizing polychloroprene (neoprene) and polyacrylate rubbers, and as a pesticide.

It is used as an insecticide.

It has been used as a fungicide, may be a disinfection byproduct, and can occur naturally.

It is a naturally-occurring element and is commonly used as germanium dioxide in phosphors, transistors and diodes, and in electroplating.

It is used as an explosive.

It is used in the production of other substances, such as rocket propellants, and as an oxygen and chlorine scavenging compound.

It is an industrial chemical and is used in the production of other substances.

It is used as an insecticide and as a cotton defoliant.

It is used as an insecticide.

It is used as an industrial solvent, a gasoline additive and also as anti-freeze.

It is used as a foaming agent and in the production of other substances.

It is used as an octane booster in gasoline, in the manufacture of isobutene and as an extraction solvent.

It is used as an herbicide for weed control on agricultural crops.
Metolachlor ESA is an acetanilide pesticide degradate. The parent, metolachlor, is used as an herbicide for weed control on agricultural crops.
Metolachlor OA is an acetanilide pesticide degradate. The parent, metolachlor, is used as an herbicide for weed control on agricultural crops.

It is used as an herbicide.

It is used in the production of other substances, and as a paint solvent and food additive.

It is used as a solvent and is a naturally-occurring alkane.

It is used in the production of aniline, and also as a solvent in the manufacture of paints, shoe polishes, floor polishes, metal polishes, explosives, dyes, pesticides
It is used as an herbicide.

It is used in pharmaceuticals, in the production of explosives, and in rocket propellants.

It is a solvent in the chemical industry, and is used for pesticide application and in food packaging materials.

It is a nitrosamine used as an additive in gasoline and in lubricants, as an antioxidant, as a stabilizer in plastics, and also may be a disinfection byproduct.

It is a nitrosamine and has been formerly used in the production of rocket fuels, is used as an industrial solvent and an anti-oxidant, and also may be a disinfectio

It is a nitrosamine and may be a disinfection byproduct.

It is a nitrosamine chemical reagent that is used as a rubber and polymer additive and may be a disinfection byproduct.

It is a nitrosamine used as a research chemical and may be a disinfection byproduct.

It is used in the manufacture of methylstyrene, in textile dyeing, and as a printing solvent, and is a constituent of asphalt and naptha.

It is used in the production of other substances, such as dyes, rubber, pharmaceuticals and pesticides.

It is used as an insecticide.
It is used as an herbicide.

It is both a naturally occurring and man-made chemical. Most of the perchlorate manufactured in the United States is used as the primary ingredient of solid rocke

It is used for its emulsifier and surfactant properties in or as fluoropolymers (such as Teflon), fire-fighting foams, cleaners, cosmetics, greases and lubricants, pain

It is used as an insecticide.

It is used as an insecticide and an acaricide.

It is an industrial chemical used in the production of other substances.

It is used in the production of other substances, and as a pharmaceutical (anti-malarial) and as a flavoring agent.

It is used as a solvent for coating compositions, in organic synthesis, as a plasticizer and in surfactants.

It is naturally-occurring element and is used as strontium carbonate in pyrotechnics, in steel production, as a catalyst and as a lead scavenger.

It is used as a fungicide.
It is used as an insecticide.

It is a naturally-occurring element and is commonly used as sodium tellurite in bacteriology and medicine.

It is used as an insecticide.
Terbufos sulfone is a phosphorodithioate pesticide degradate. The parent, terbufos, is used as an insecticide.

It is used as an insecticide.

It is used as a fungicide.

It is used in the production of other substances, and as a stabilizer in herbicides and pesticides, in consumer products, in food additives, in photographic chemical

It is used in the production of other substances, and as a stabilizer in herbicides and pesticides, in consumer products, in food additives, in photographic chemical

It is a naturally-occurring element and is commonly used as vanadium pentoxide in the production of other substances and as a catalyst.

It is used as a fungicide.

	Superfund Target Compounds Lists and Target Analytes List																NATA	
	TCL (Pesticides & Alachlors)		TCL (Semivolatiles)					TCL (Volatiles)					TAL (Metals & Cyanide)				2002 Data	
CCL Score	Water (µg/L)	Soil (µg/kg)	Low Water by SIM (µg/L)	Low Water (µg/L)	Low Soil by SIM (µg/kg)	Low Soil (µg/kg)	Med. Soil (µg/kg)	Trace Water by SIM (µg/L)	Trace Water (µg/L)	Low Water (µg/L)	Low Soil (µg/kg)	Med. Soil (µg/kg)	ICP-AES Water (µg/L)	ICP-AES Soil (mg/kg))	ICP-MS Water (µg/L)	TCL/ TAL Score	Total Emissions (tons per year)	NATA Score
0																0		0
0									0.5	5	5	250				1		0
1																0		0
0																0		0
0									0.5	5	5	250				1	69373.59	1
0																0		0
0									0.5	5	5	250				1	297	1
0																0		0
0									0.5	5	5	250				1	851	1
0																0		0
0				5		170	5000									1	415.73	1
0																0		0

0															0			0
1									0.5	5	5	250			1	434.51		1
0									0.5	5	5	250			1			0
0															0	94.91		1
0															0			0
0															0	0.42		1
0															0			0
0															0			0
0															0			0
0															0			0
0															0			0
0															0			0
0															0			0
0															0			0
0															0			0
0															0			0
0															0			0
0															0			0
0															0			0
0									0.5	5	5	250			1			0
1															0			0
0				5		170	5000								1			0
0															0			0

0				0.5	5	5	250		1	263.74	1
0									0		0
0									0		0
0			0.05	0.5	5	5	250		1	0.38	1
0			0.05	0.5	5	5	250		1	23.58	1
0									0		0
0									0		0
0				0.5	5	5	250		1		0

0				0.5	5	5	250			1			0	
0										0			0	
0				0.5	5	5	250			1			0	
0										0			0	
0				0.5	5	5	250			1		160.61	1	
0										0		0.00395	1	
0										0		11.22	1	
0										0			0	
0										0			0	
0										0			0	
1										0		51796.76	1	

0								0		0
0			0.5	5	5	250		1		0
0			0.5	5	5	250		1	11521.87	1
0								0		0
0								0		0
0								0		0
0								0		0
0			0.5	5	5	250		1	7243.89	1
1				100	100	5000		1	105.66	1
0								0		0
0								0		0
0								0		0
0								0		0
0								0		0
0								0		0
0								0		0
0								0		0
0								0		0

0							0		0
0							0		0
0							0		0
0							0		0
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0							0		0
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0							0		0
0							0		0
0							0		0
0							0		0
0							0		0
0							0		0
0							0	271233.37	1
0							0		0
0							0		0
0		5	170	5000			1		0
0							0		0

0								0				0
0								0				0
0								0				0
0								0				0
0								0				0
0								0				0
0								0				0
0								0				0
0		5	170	5000				1				0
0								0				0
0								0				0
0								0		0.1		1
0								0				0
0								0				0
0								0				0
0								0				0
0		5	170	5000				1		0.84		1
0								0				0
0		5	170	5000				1		0.4		1
0								0				0
0								0				0
1								0				0
0								0				0
0								0				0

0														0			0
0														0			0
0														0			0
0														0		1.24	1
0				5		170	5000							1			0
0														0		1895.4	1
0				5		170	5000							1			0
0				10		330	10000							1		0.2	1
0				5		170	5000							1		4.05	1
0														0			0
0														0			0
0														0			0
0														0			0
0				5		170	5000							1			0
0														0			0
0														0		0.03	1
0								5	10	10	500			1			0
0														0			0
0														0			0
0														0		3.61	1
0														0			0
0				5		170	5000							1			0
0				5		170	5000							1			0
0														0			0
0								5	10	10	500			1			0
0														0			0
0														0			0
0														0			0
0														0			0
0														0			0
0														0			0
0														0			0
0														0			0
1														0			0
0														0			0
0														0			0
0			0.1	5	3.3	170	5000							1			0

0		5	170	5000		1	0
0						0	0
0		10	330	10000		1	0
0		5	170	5000		1	0
0						0	17.06 1
0						0	0
0						0	0
0						0	0
0						0	0
0						0	0
0		5	170	5000		1	0.37 1
0						0	0
0						0	0.00131 1
0						0	0.01 1
0						0	0
0						0	0
0						0	0
0						0	0
0						0	0
0						0	0
0						0	0
0						0	0
0						0	0
1						0	0
0						0	0
0						0	0
0						0	0
0						0	0
0						0	0
0						0	0
0						0	0
0		10	330	10000		1	0
0						0	0
0						0	0

0													0		0
0													0		0
0													0		0
0													0		0
0													0	1.06	1
1													0	21.74	1
0			10		330	10000							1		0
0													0	3.67	1
0													0		0
0													0		0
0													0	0.01	1
0													0		0
0			5		170	5000							1		0
0			5		170	5000							1		0
0			5		170	5000							1		0
0			5		170	5000							1		0
0													0	0.01	1
0													0		0
0													0		0
0													0		0
0							5	10	10	500			1		0
0			5		170	5000							1		0
0			10		330	10000							1		0
0													0	0.00182	1
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0													0		0
0													0		0
0													0		0
0													0		0
0		0.1	5	3.3	170	5000							1		0
0		0.1	5	3.3	170	5000							1		0

1										0		0
1										0	80517.25	1
1										0	0.45	1
1										0		0
1										0		0
1										0		0
0					5	10	10	500		1		0
0										0	775.41	1
0		5	170	5000						1	209.87	1
0										0		0
0										0		0
1										0	29335.32	1
0										0	11.71	1
0										0	244.52	1

0					0	1026.89	1
0					0		0
0					0		0
0					0		0
1					0		0
1					0		0
0					0		0
0					0		0
0					0		0
0	0.05	1.7			1		0
					0		0
0					0		0
1					0		0
0					0	27.06	1
0					0		0
0	0.05	1.7			1		0
0					0		0

1	0.05	1.7				1	0
0						0	0
0				200	20	1	0
0						0	0
0						0	0
0						0	0
0						0	0
0						0	0
0						0	0
0						0	0
0						0	0

0					0	0
0					0	0
0					0	0
0					0	0
0					0	0

1												0	241.4	1
0			0.1	5	3.3	170	5000					1		0
0									60	6	2	1		0
0												0	159.43	1
0												0		0
0												0		0
0												0		0
0												0		0
0	1	33										1		0
0	1	33										1		0
0	1	33										1		0
0												0		0
0	1	33										1		0
0	1	33										1		0
0	1	33										1		0
0	1	33										1		0
0	1	33										1		0
0	1	33										1		0
0												0		0
0												0	396.6	1
0												0		0

0						10	1	1	1		0
0									0		0
0									0	1.81	1
0									0		0
0									0		0
0		5	170	5000					1		0
0									0		0

0															0			0
0												200	20	10	1			0
0															0			0
0															0	0.01		1
0															0			0
0															0			0
0															0			0
0															0			0
0															0			0
0															0			0
1															0			0
0															0			0
0															0			0
0															0			0
0				5		170	5000								1			0
0								0.5	5	5	250				1	410219.18		1
0															0	0.1		1
0			0.1	5	3.3	170	5000								1			0

0			0.1	5	3.3	170	5000						1		0
0			0.1	5	3.3	170	5000						1		0
0			0.1	5	3.3	170	5000						1		0
0			0.1	5	3.3	170	5000						1		0
0													0		0
0													0		0
0													0	2.57	1
0													0		0
0													0		0
1													0	325.43	1
0										5	0.5	1	1	42.05	1
0													0		0

0	0.05	1.7					1		0
0							0		0
0							0	0.00000025	1
0							0		0
1							0		0
0							0		0
0							0		0
0			5	170	5000		1		0
0							0		0
0							0	2.67	1
0			5	170	5000		1	0.01	1
0							0		0
0							0		0
0							0		0
0							0		0
0							0		0
0							0		0
0							0		0

0					0	0
0					0	0
0					0	0
0					0	0

0																0		0
0								0.5	5	5	250					1		0
0																0		0
0								0.5	5	5	250					0	22.05	1
0								0.5	5	5	250					1	14780	1
1								0.5	5	5	250					1		0
0																0		0
0																0		0
0																0		0
0																0		0
0																0		0
0																0		0
0			5	170	5000											1		0
0																0		0
1																0		0
0																0		0
0																0		0
0																0		0
0																0		0
0																0		0
0																0		0
0																0		0
0																0		0
0																0		0
0												5	0.5	1		1	89.9	1
0																0		0
0												5000	500			1		0

0											0	0.13	1
0											0		0
0											0		0
0		5	170	5000							1		0
0											0	15.77	1
1											0	22.1	1
0											0		0
0		5	170	5000							1		0
0											0		0
0											0	15554.77	1
0					0.5	5	5	250			1		0
0											0	458.39	1
0					0.5	5	5	250			1	15087.96	1
0											0		0
0											0		0
0											0		0
0											0	6.67	1
0											0		0

0				0		0
0				0		0
0				0		0
0				0		0
0				0		0
0				0		0
0				0	0.26	1
0				0		0
0				0		0
0				0		0
0				0	12567.35	1
0				0		0
0				0		0

0										0		0
0										0	21.42	1
0										0	3568.22	1
0			0.5	5	5	250				1	0.35	1
0										0		0
0										0		0
1										0		0
0			0.5	5	5	250				1	6805.05	1
0			0.5	5	5	250				1	1.09	1
0										0		0
0										0		0
0										0	497	1
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0										0		0
0										0		0
0										0		0
0										0		0
0										0		0
0										0		0
0							10	1	2	1		0
0										0	643.61	1

0															0		0
0															0		0
0															0		0
0															0		0
0		0.1	5	3.3	170	5000									1		0
0															0		0
0															0		0
0															0		0
0															0		0
0															0		0
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1															0		0
0															0		0
1											50	5	1	1	124.04	1
0														0	771.01	1
0														0		0
0											25	2.5	2	1		0
0														0		0
0														0		0
0														0		0
0														0		0
0														0	1363.3	1
0														0		0
1														0		0
0														0		0
0														0	15540.09	1
0														0		0
0											10	2.5		1		0
0														0		0
0														0		0
1														0		0
0							0.5	5	5	250				1		0
0														0		0
0														0		0
0														0		0

0												0		0
0												0		0
0												0		0
0												0		0
0												0		0
0												0		0
0												0		0
0												0		0
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0												0		0
0												0		0
0												0		0
0												0		0
0												0		0
0	0.05	1.7										1		0
0												0		0
0												0	272.53	1
0				5		170	5000					1		0
0												0		0
0												0		0
0												0		0
0												0	0.01	1
0												0		0
0			0.1	5	3.3	170	5000					1	133.72	1
0				5		170	5000					1		0
0												0		0

0			0.5	5	5	250		1		0
0								0		0
0								0		0
0								0	2436.96	1
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0								0		0
0								0		0
0								0		0
0								0		0
0			0.5	5	5	250		1		0
0								0		0
0								0		0
0								0		0
0								0		0
0								0		0
0								0	0.18	1

0								0		0
0								0		0
0								0		0
0	0.1	3.3						1		0
0								0		0
0								0	160.71	1
0								0		0
0			5	170	5000			1	7.83	1
0								0		0
0								0		0
0								0		0
0								0		0
0								0		0
0								0		0
0								0		0
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0								0		0
1								0		0
1								0		0
0								0		0
0								0		0
0								0	260.72	1
0			5	170	5000			1	27.08	1
0								0		0
0								0		0

0							0			0
0							0			0
0							0		0.06	1
0							0			0
0							0			0
0							0			0
0							0			0
0			5	170	5000		1			0
0							0			0
0							0			0
0			5	170	5000		1			0
0							0		0.1	1
0							0			0
0							0			0
0							0			0
0							0			0
0							0			0
0							0			0
0							0			0
1							0			0
1							0			0
0							0			0
0							0			0
0							0			0
0							0			0
0							0			0
0	0.1	3.3					1			0
0	0.05	1.7					1			0
0	0.1	3.3					1			0
0							0			0
0	0.1	3.3					1			0
0	0.1	3.3					1			0
0	0.1	3.3					1			0
0							0			0
0							0		128.73	1

0								0		0
0								0		0
0								0		0
0								0		0
0								0		0
1								0		0
1								0		0
0								0	71.62	1
0								0	9.83	1
1								0	1543.82	1
0								0		0
0								0		0
0								0		0
0								0		0
0								0		0
0								0	127741.52	1
0			0.5	5	5	250		1		0
0								0		0
0								0		0
0								0		0
1								0		0
0								0		0
0								0		0
0								0		0
0								0	702.42	1
0								0	0.68	1
1								0		0
1								0	0.3	1
0								0		0
0								0		0

0									0		0
0									0		0
0									0		0
1									0		0
0									0		0
0									0		0
0									0		0
0									0	2.22	1
0									0		0
0									0		0
0									0		0
0									0		0
0		0.1	5	3.3	170	5000			1		0
0		0.1	5	3.3	170	5000			1		0
0									0		0
0									0		0
0									0		0
0									0		0
0									0		0
0									0		0
0									0		0
0									0		0
0									0		0
0									0	266685.76	1
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