

**Comparison of March 2013 (New) Ground Water Screening Levels
with March 2007 (Old) Ground Water Screening Levels**

Chemical	CAS No.	Ground Water Screening Levels <i>µg/L</i>		
		New	Old	Change
Acetone (2-propanone)	67-64-1	21,000,000	1,900,000	Increase
Benzene	71-43-2	20	15	Increase
Bromodichloromethane	75-27-4	2	5	Decrease
Bromoethene (vinyl bromide)	593-60-2	0.2	0.1	Increase
Bromoform	75-25-2	300	370	Decrease
Bromomethane (methyl bromide)	74-83-9	20	29	Decrease
1,3-Butadiene (vinyl ethylene)	106-99-0	0.3	0.01	Increase
2-Butanone (methyl ethyl ketone)	78-93-3	2,500,000	2,700,000	Decrease
Carbon disulfide	75-15-0	1,500	710	Increase
Carbon tetrachloride	56-23-5	1	1	No Change
Chlorobenzene	108-90-7	770	640	Increase
Chloroethane (ethyl chloride)	75-00-3	26,000	4	Increase
Chloroform	67-66-3	70	70	No Change
Chloromethane (methyl chloride)	74-87-3	240	240	No Change
3-Chloropropene (allyl chloride)	107-05-1	1	0.8	Increase
Cyclohexane	110-82-7	16,000	1,200	Increase
Dibromochloromethane	124-48-1	6	9	Decrease
1,2-Dibromoethane (ethylene dibromide)	106-93-4	0.4	0.4	No Change
1,2-Dichlorobenzene (o)	95-50-1	6,800	5,900	Increase
1,4-Dichlorobenzene (p)	106-46-7	75	75	No Change
Dichlorodifluoromethane (Freon 12)	75-71-8	1,000	1,000	No Change
1,1-Dichloroethane	75-34-3	50	3,600	OM Decrease
1,2-Dichloroethane	107-06-2	3	2	Increase
1,1-Dichloroethene	75-35-4	260	250	Increase
1,2-Dichloroethene (trans)	156-60-5	520	300	Increase
1,2-Dichloropropane	78-87-5	4	1	Increase
1,3-Dichloropropene (total)	542-75-6	7	1	Increase
Ethylbenzene	100-41-4	700	61,000	OM Decrease
Hexachlorobutadiene	87-68-3	1	1	No Change
n-Hexane	110-54-3	160	30	Increase

**Comparison of March 2013 (New) Ground Water Screening Levels
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Chemical	CAS No.	Ground Water Screening Levels <i>µg/L</i>		
		New	Old	Change
Mercury, elemental	7439-97-6	-	-	Not Applicable
Methylene chloride (dichloromethane)	75-09-2	920	53	Increase
4-Methyl-2-pentanone (MIBK)	108-10-1	900,000	880,000	Increase
Methyl tert-butyl ether (MTBE)	1634-04-4	580	78	Increase
Naphthalene	91-20-3	300	-	Not Applicable
Styrene	100-42-5	180,000	18,000	Increase
1,1,2,2-Tetrachloroethane	79-34-5	6	4	Increase
Tetrachloroethene (PCE)	127-18-4	31	1	Increase
Toluene	108-88-3	330,000	310,000	Increase
1,2,4-Trichlorobenzene	120-82-1	130	2,800	OM Decrease
1,1,1-Trichloroethane	71-55-6	13,000	2,300	Increase
1,1,2-Trichloroethane	79-00-5	8	5	Increase
Trichloroethene (TCE)	79-01-6	2	1	Increase
Trichlorofluoromethane (Freon 11)	75-69-4	2,000	2,000	No Change
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	3,700	2,400	Increase
Vinyl chloride	75-01-4	1	1	No Change
Xylenes (total)	1330-20-7	8,600	7,000	Increase

NOTES

New GWSL decreased by an order of magnitude (OM) or more when compared to old GWSL

New GWSL decreased by less than an order of magnitude when compared to old GWSL

**Comparison of March 2013 (New) Soil Gas Screening Levels
with March 2007 (Old) Soil Gas Screening Levels**

Chemical	CAS No.	Soil Gas Screening Levels					
		Residential $\mu\text{g}/\text{m}^3$			Nonresidential $\mu\text{g}/\text{m}^3$		
		New	Old	Change	New	Old	Change
Acetone (2-propanone)	67-64-1	1,600,000	160,000	Increase	6,800,000	230,000	Increase
Benzene	71-43-2	16	16	No Change	79	26	Increase
Bromodichloromethane	75-27-4	34	34	No Change	34	34	No Change
Bromoethene (vinyl bromide)	593-60-2	22	22	No Change	22	22	No Change
Bromoform	75-25-2	110	80	Increase	560	180	Increase
Bromomethane (methyl bromide)	74-83-9	260	260	No Change	1,100	360	Increase
1,3-Butadiene (vinyl ethylene)	106-99-0	11	11	No Change	20	11	Increase
2-Butanone (methyl ethyl ketone)	78-93-3	260,000	260,000	No Change	1,100,000	360,000	Increase
Carbon disulfide	75-15-0	36,000	36,000	No Change	150,000	51,000	Increase
Carbon tetrachloride	56-23-5	31	31	No Change	100	31	Increase
Chlorobenzene	108-90-7	2,600	2,600	No Change	11,000	3,600	Increase
Chloroethane (ethyl chloride)	75-00-3	520,000	110	Increase	2,200,000	250	Increase
Chloroform	67-66-3	24	24	No Change	27	24	Increase
Chloromethane (methyl chloride)	74-87-3	4,700	4,700	No Change	20,000	6,600	Increase
3-Chloropropene (allyl chloride)	107-05-1	20	16	Increase	100	34	Increase
Cyclohexane	110-82-7	310,000	310,000	No Change	1,300,000	430,000	Increase
Dibromochloromethane	124-48-1	43	43	No Change	43	43	No Change
1,2-Dibromoethane (ethylene dibromide)	106-93-4	38	38	No Change	38	38	No Change
1,2-Dichlorobenzene (o)	95-50-1	10,000	7,300	Increase	44,000	10,000	Increase
1,4-Dichlorobenzene (p)	106-46-7	30	30	No Change	56	32	Increase
Dichlorodifluoromethane (Freon 12)	75-71-8	5,200	9,100	Decrease	22,000	13,000	Increase
1,1-Dichloroethane	75-34-3	76	26,000	OM Decrease	380	36,000	OM Decrease
1,2-Dichloroethane	107-06-2	20	20	No Change	24	20	Increase
1,1-Dichloroethene	75-35-4	10,000	11,000	Decrease	44,000	15,000	Increase
1,2-Dichloroethene (trans)	156-60-5	3,100	3,600	Decrease	13,000	5,100	Increase
1,2-Dichloropropane	78-87-5	23	23	No Change	61	23	Increase
1,3-Dichloropropene (total)	542-75-6	30	31	Decrease	150	72	Increase
Ethylbenzene	100-41-4	49	53,000	OM Decrease	250	74,000	OM Decrease
Hexachlorobutadiene	87-68-3	53	53	No Change	53	53	No Change

**Comparison of March 2013 (New) Soil Gas Screening Levels
with March 2007 (Old) Soil Gas Screening Levels**

Chemical	CAS No.	Soil Gas Screening Levels					
		Residential $\mu\text{g}/\text{m}^3$			Nonresidential $\mu\text{g}/\text{m}^3$		
		New	Old	Change	New	Old	Change
n-Hexane	110-54-3	36,000	36,000	No Change	150,000	51,000	Increase
Mercury, elemental	7439-97-6	-	-	Not Applicable	-	-	Not Applicable
Methylene chloride (dichloromethane)	75-09-2	4,800	190	Increase	61,000	430	Increase
4-Methyl-2-pentanone (MIBK)	108-10-1	160,000	160,000	No Change	660,000	220,000	Increase
Methyl tert-butyl ether (MTBE)	1634-04-4	470	78	Increase	2,400	180	Increase
Naphthalene	91-20-3	26	-	Not Applicable	26	-	Not Applicable
Styrene	100-42-5	52,000	52,000	No Change	220,000	73,000	Increase
1,1,2,2-Tetrachloroethane	79-34-5	34	34	No Change	34	34	No Change
Tetrachloroethene (PCE)	127-18-4	470	34	Increase	2,400	36	Increase
Toluene	108-88-3	260,000	260,000	No Change	1,100,000	360,000	Increase
1,2,4-Trichlorobenzene	120-82-1	100	1,800	OM Decrease	440	2,600	Decrease
1,1,1-Trichloroethane	71-55-6	260,000	51,000	Increase	1,100,000	72,000	Increase
1,1,2-Trichloroethane	79-00-5	27	27	No Change	38	27	Increase
Trichloroethene (TCE)	79-01-6	27	27	No Change	150	27	Increase
Trichlorofluoromethane (Freon 11)	75-69-4	36,000	36,000	No Change	150,000	51,000	Increase
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	1,600,000	1,600,000	No Change	6,600,000	2,200,000	Increase
Vinyl chloride	75-01-4	13	13	No Change	140	48	Increase
Xylenes (total)	1330-20-7	5,200	5,500	Decrease	22,000	7,700	Increase

NOTES

New SGSL decreased by an order of magnitude (OM) or more when compared to old SGSL

New SGSL decreased by less than an order of magnitude when compared to old SGSL

**Comparison of March 2013 (New) Indoor Air Screening Levels
with March 2007 (Old) Indoor Air Screening Levels**

Chemical	CAS No.	Indoor Air Screening Levels					
		Residential $\mu\text{g}/\text{m}^3$			Nonresidential $\mu\text{g}/\text{m}^3$		
		New	Old	Change	New	Old	Change
Acetone (2-propanone)	67-64-1	32,000	3,300	Increase	140,000	4,600	Increase
Benzene	71-43-2	2	2	No Change	2	2	No Change
Bromodichloromethane	75-27-4	3	3	No Change	3	3	No Change
Bromoethene (vinyl bromide)	593-60-2	2	2	No Change	2	2	No Change
Bromoform	75-25-2	5	5	No Change	11	5	Increase
Bromomethane (methyl bromide)	74-83-9	5	5	No Change	22	7	Increase
1,3-Butadiene (vinyl ethylene)	106-99-0	1	1	No Change	1	1	No Change
2-Butanone (methyl ethyl ketone)	78-93-3	5,200	5,100	Increase	22,000	7,200	Increase
Carbon disulfide	75-15-0	730	730	No Change	3,100	1,000	Increase
Carbon tetrachloride	56-23-5	3	3	No Change	3	3	No Change
Chlorobenzene	108-90-7	52	51	Increase	220	72	Increase
Chloroethane (ethyl chloride)	75-00-3	10,000	2	Increase	44,000	5	Increase
Chloroform	67-66-3	2	2	No Change	2	2	No Change
Chloromethane (methyl chloride)	74-87-3	94	95	Decrease	390	130	Increase
3-Chloropropene (allyl chloride)	107-05-1	2	2	No Change	2	2	No Change
Cyclohexane	110-82-7	6,300	6,200	Increase	26,000	8,700	Increase
Dibromochloromethane	124-48-1	4	4	No Change	4	4	No Change
1,2-Dibromoethane (ethylene dibromide)	106-93-4	4	4	No Change	4	4	No Change
1,2-Dichlorobenzene (o)	95-50-1	210	150	Increase	880	200	Increase
1,4-Dichlorobenzene (p)	106-46-7	3	3	No Change	3	3	No Change
Dichlorodifluoromethane (Freon 12)	75-71-8	100	180	Decrease	440	260	Increase
1,1-Dichloroethane	75-34-3	2	510	OM Decrease	8	720	OM Decrease
1,2-Dichloroethane	107-06-2	2	2	No Change	2	2	No Change
1,1-Dichloroethene	75-35-4	210	220	Decrease	880	310	Increase
1,2-Dichloroethene (trans)	156-60-5	63	73	Decrease	260	100	Increase
1,2-Dichloropropane	78-87-5	2	2	No Change	2	2	No Change
1,3-Dichloropropene (total)	542-75-6	2	2	No Change	3	2	Increase
Ethylbenzene	100-41-4	2	1,100	OM Decrease	5	1,500	OM Decrease
Hexachlorobutadiene	87-68-3	5	5	No Change	5	5	No Change

**Comparison of March 2013 (New) Indoor Air Screening Levels
with March 2007 (Old) Indoor Air Screening Levels**

Chemical	CAS No.	Indoor Air Screening Levels					
		Residential $\mu\text{g}/\text{m}^3$			Nonresidential $\mu\text{g}/\text{m}^3$		
		New	Old	Change	New	Old	Change
n-Hexane	110-54-3	730	730	No Change	3,100	1,000	Increase
Mercury, elemental	7439-97-6	1	0.3	Increase	1	0.4	Increase
Methylene chloride (dichloromethane)	75-09-2	96	4	Increase	1,200	9	Increase
4-Methyl-2-pentanone (MIBK)	108-10-1	3,100	3,100	No Change	13,000	4,400	Increase
Methyl tert-butyl ether (MTBE)	1634-04-4	9	2	Increase	47	4	Increase
Naphthalene	91-20-3	3	-	Not Applicable	3	-	Not Applicable
Styrene	100-42-5	1,000	1,000	No Change	4,400	1,500	Increase
1,1,2,2-Tetrachloroethane	79-34-5	3	3	No Change	3	3	No Change
Tetrachloroethene (PCE)	127-18-4	9	3	Increase	47	3	Increase
Toluene	108-88-3	5,200	5,100	Increase	22,000	7,200	Increase
1,2,4-Trichlorobenzene	120-82-1	4	36	Decrease	9	51	Decrease
1,1,1-Trichloroethane	71-55-6	5,200	1,000	Increase	22,000	1,400	Increase
1,1,2-Trichloroethane	79-00-5	3	3	No Change	3	3	No Change
Trichloroethene (TCE)	79-01-6	3	3	No Change	3	3	No Change
Trichlorofluoromethane (Freon 11)	75-69-4	730	730	No Change	3,100	1,000	Increase
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	31,000	31,000	No Change	130,000	44,000	Increase
Vinyl chloride	75-01-4	1	1	No Change	3	1	Increase
Xylenes (total)	1330-20-7	100	110	Decrease	440	150	Increase

NOTES

New IASL decreased by an order of magnitude (OM) or more when compared to old IASL

New IASL decreased by less than an order of magnitude when compared to old IASL

**Comparison of March 2013 (New) Rapid Action Levels
with March 2007 (Old) Rapid Action Levels**

Chemical	CAS No.	Rapid Action Levels					
		Residential $\mu\text{g}/\text{m}^3$			Nonresidential $\mu\text{g}/\text{m}^3$		
		New	Old	Change	New	Old	Change
Acetone (2-propanone)	67-64-1	64,000	6,600	Increase	280,000	-	Not Applicable
Benzene	71-43-2	30	14	Increase	200	-	Not Applicable
Bromodichloromethane	75-27-4	7	-	Not Applicable	30	-	Not Applicable
Bromoethene (vinyl bromide)	593-60-2	6	-	Not Applicable	26	-	Not Applicable
Bromoform	75-25-2	200	-	Not Applicable	1,100	-	Not Applicable
Bromomethane (methyl bromide)	74-83-9	10	-	Not Applicable	44	-	Not Applicable
1,3-Butadiene (vinyl ethylene)	106-99-0	4	-	Not Applicable	18	-	Not Applicable
2-Butanone (methyl ethyl ketone)	78-93-3	10,000	-	Not Applicable	44,000	-	Not Applicable
Carbon disulfide	75-15-0	1,500	-	Not Applicable	6,200	-	Not Applicable
Carbon tetrachloride	56-23-5	40	10	Increase	200	-	Not Applicable
Chlorobenzene	108-90-7	100	-	Not Applicable	440	-	Not Applicable
Chloroethane (ethyl chloride)	75-00-3	20,000	-	Not Applicable	88,000	-	Not Applicable
Chloroform	67-66-3	10	8	Increase	50	-	Not Applicable
Chloromethane (methyl chloride)	74-87-3	190	-	Not Applicable	780	-	Not Applicable
3-Chloropropene (allyl chloride)	107-05-1	2	-	Not Applicable	8	-	Not Applicable
Cyclohexane	110-82-7	13,000	-	Not Applicable	52,000	-	Not Applicable
Dibromochloromethane	124-48-1	9	-	Not Applicable	50	-	Not Applicable
1,2-Dibromoethane (ethylene dibromide)	106-93-4	4	-	Not Applicable	4	-	Not Applicable
1,2-Dichlorobenzene (o)	95-50-1	420	-	Not Applicable	1,800	-	Not Applicable
1,4-Dichlorobenzene (p)	106-46-7	20	-	Not Applicable	100	-	Not Applicable
Dichlorodifluoromethane (Freon 12)	75-71-8	200	-	Not Applicable	880	-	Not Applicable
1,1-Dichloroethane	75-34-3	200	-	Not Applicable	800	-	Not Applicable
1,2-Dichloroethane	107-06-2	9	-	Not Applicable	50	-	Not Applicable
1,1-Dichloroethene	75-35-4	420	-	Not Applicable	1,800	-	Not Applicable
1,2-Dichloroethene (trans)	156-60-5	130	-	Not Applicable	520	-	Not Applicable
1,2-Dichloropropane	78-87-5	8	-	Not Applicable	36	-	Not Applicable
1,3-Dichloropropene (total)	542-75-6	42	-	Not Applicable	180	-	Not Applicable
Ethylbenzene	100-41-4	100	2,200	OM Decrease	500	-	Not Applicable
Hexachlorobutadiene	87-68-3	10	-	Not Applicable	60	-	Not Applicable
n-Hexane	110-54-3	1,500	-	Not Applicable	6,200	-	Not Applicable

**Comparison of March 2013 (New) Rapid Action Levels
with March 2007 (Old) Rapid Action Levels**

Chemical	CAS No.	Rapid Action Levels					
		Residential $\mu\text{g}/\text{m}^3$			Nonresidential $\mu\text{g}/\text{m}^3$		
		New	Old	Change	New	Old	Change
Mercury, elemental	7439-97-6	1	-	Not Applicable	2	-	Not Applicable
Methylene chloride (dichloromethane)	75-09-2	1,300	400	Increase	5,200	-	Not Applicable
4-Methyl-2-pentanone (MIBK)	108-10-1	6,200	-	Not Applicable	26,000	-	Not Applicable
Methyl tert-butyl ether (MTBE)	1634-04-4	900	200	Increase	4,700	-	Not Applicable
Naphthalene	91-20-3	6	-	Not Applicable	26	-	Not Applicable
Styrene	100-42-5	2,000	-	Not Applicable	8,800	-	Not Applicable
1,1,2,2-Tetrachloroethane	79-34-5	4	-	Not Applicable	20	-	Not Applicable
Tetrachloroethene (PCE)	127-18-4	84	30	Increase	360	-	Not Applicable
Toluene	108-88-3	10,000	10,000	No Change	44,000	-	Not Applicable
1,2,4-Trichlorobenzene	120-82-1	4	-	Not Applicable	18	-	Not Applicable
1,1,1-Trichloroethane	71-55-6	10,000	-	Not Applicable	44,000	-	Not Applicable
1,1,2-Trichloroethane	79-00-5	3	-	Not Applicable	3	-	Not Applicable
Trichloroethene (TCE)	79-01-6	4	20	Decrease	18	-	Not Applicable
Trichlorofluoromethane (Freon 11)	75-69-4	1,500	-	Not Applicable	6,200	-	Not Applicable
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	62,000	-	Not Applicable	260,000	-	Not Applicable
Vinyl chloride	75-01-4	20	7	Increase	300	-	Not Applicable
Xylenes (total)	1330-20-7	200	220	Decrease	880	-	Not Applicable

NOTES

New RAL decreased by an order of magnitude (OM) or more when compared to old RAL

New RAL decreased by less than an order of magnitude when compared to old RAL