Hair Dye

Phthalates and Heavy Metals

Brand + Product	Dimethyl Phthalate (ppb)	Diethyl Phthalate (ppb)	Di-n-butyl Phthalate (ppb)	Di(2-ethylhexyl) Phthalate (ppb)	Diisobutyl Phthalate (ppb)	Di(2-ethylhexyl) Terephthalate (ppb)	Di(2-ethylhexyl) Adipate (ppb)	Diisononyl Cyclohexane-1,2-Dicarboxylate (ppb)	Dicyclohexyl Phthalate (ppb)	Di-n-hexyl Phthalate (ppb)	Benzyl Butyl Phthalate (ppb)	Diisononyl Phthalate (ppb)	Di-n-octyl Phthalate (ppb)	As (mg/kg)	Cd (mg/kg)	Hg (mg/kg)	Pb (mg/kg)	Cr (mg/kg)
Bigen	ND	ND	ND	220	21	210	ND	ND	ND	ND	ND	ND	ND	0.02	<0.01	<0.01	<0.01	<0.10
Schwarzkopf Color Ultime, Sapphire Black	45	ND	ND	ND	ND	ND	240	ND	ND	ND	ND	ND	ND	<0.015	<0.01	<0.01	<0.01	<0.10
Desire Deluxe Hair Chalk Salon*	ND	ND	12	130	240	ND	ND	ND	ND	ND	ND	ND	ND	0.05	<0.01	<0.01	0.17	0.47
Clairol Root Touch-Up, Medium Brown	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.03	<0.01	<0.01	<0.01	<0.10
Creative Image Adore, Mystic Gray	ND	ND	ND	ND	ND	150	ND	ND	ND	ND	ND	ND	ND	<0.015	<0.01	<0.01	<0.01	<0.10
L'Oréal Féria, Downtown Brown	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.015	<0.01	<0.01	<0.01	<0.10
Arctic Fox Purple, AF	76	ND	ND	ND	ND	240	ND	ND	ND	ND	ND	ND	ND	<0.015	<0.01	<0.01	<0.01	<0.10
Clairol Natural Instincts, Black	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.015	<0.01	<0.01	<0.01	<0.10
L'Oréal Magic Root Permanent, Dark Brown	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.015	<0.01	<0.01	<0.01	<0.10
Schwarzkopf Keratin Color, Espresso	23	ND	ND	ND	ND	470	ND	ND	ND	ND	ND	ND	ND	<0.015	<0.01	<0.01	<0.01	<0.10
Naturtint, Dark Chestnut Brown	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.015	<0.01	<0.01	<0.01	<0.10
Revlon ColorSilk Beautiful Color, Dark Brown	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.015	<0.01	<0.01	<0.01	<0.10
Hally Pink Shade Stix*	ND	21	ND	ND	180	ND	ND	ND	ND	ND	ND	ND	ND	0.11	<0.01	<0.01	0.25	0.29
Dark & Lovely, Jet Black	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.015	<0.01	<0.01	<0.01	<0.10
Dark & Lovely, Honey Blonde	6.4	160	ND	ND	ND	ND	160	ND	ND	ND	ND	ND	ND	<0.015	<0.01	<0.01	<0.01	<0.10
Keracolor Color & Clenditioner, Merlot	68	ND	ND	ND	ND	150	740	ND	ND	ND	ND	ND	ND	<0.015	<0.01	<0.01	<0.01	0.10
Lime Crime Unicorn Hair, Jello	71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.015	<0.01	<0.01	<0.01	0.18
Revlon ColorSilk With Bond Repair Complex, Dark Brown	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.015	<0.01	<0.01	<0.01	<0.10
Garnier Nutrisse Ultra Creme, Dark Chocolate	ND	14	ND	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.015	<0.01	<0.01	<0.01	<0.10
Madison Reed Radiant Color	31	ND	ND	ND	ND	1,450	27,030	ND	ND	ND	ND	ND	ND	<0.015	<0.01	<0.01	<0.01	0.11
Simpler	ND	ND	ND	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.015	<0.01	<0.01	<0.01	<0.10
Manic Panic, Raven	ND	ND	ND	ND	ND	230	ND	ND	ND	ND	ND	ND	ND	<0.015	<0.01	<0.01	<0.01	0.64
Waverlo Black Hair Dye Shampoo	ND	ND	ND	ND	140	ND	ND	ND	ND	ND	ND	ND	ND	<0.015	<0.01	<0.01	<0.01	<0.10

VOCs (mg/Kg)

Brand + Product	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane (TCA)	1,1,2-Trichloroethane	1,1-Dichloroethane (1,1-DCA)	1,1-Dichloroethene (1,1-DCE)	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene	1,2-Dichloroethane (EDC)	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane	1,4-Dichlorobenzene	2,2-Dichloropropane	2-Butanone (MEK)	2-Chlorotoluene	2-Hexanone	4-Chlorotoluene	4-Isopropyltoluene	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane
Bigen	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Schwarzkopf Color Ultime, Sapphire Black	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.17	ND	ND	ND	ND	ND	ND
Desire Deluxe Hair Chalk Salon*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Clairol Root Touch-Up, Medium Brown	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND
Creative Image Adore, Mystic Gray	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
L'Oréal Féria, Downtown Brown	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arctic Fox Purple, AF	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	0.61	ND	0.45	0.71	ND	ND	ND	ND	ND	ND
Clairol Natural Instincts, Black	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
L'Oréal Magic Root Permanent, Dark Brown	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Schwarzkopf Keratin Color, Espresso	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	0.22	ND	ND	ND	ND	ND	ND
Naturtint, Dark Chestnut Brown	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Revlon ColorSilk Beautiful Color, Dark Brown	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1	ND	ND	ND	ND	ND	ND
Hally Pink Shade Stix*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.043	ND	ND	0.067	ND	ND	ND
Dark & Lovely, Jet Black	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dark & Lovely, Honey Blonde	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Keracolor Color & Clenditioner, Merlot	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND
Lime Crime Unicorn Hair, Jello	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.7	ND	2.5	0.21	ND	ND	ND	ND	ND	ND
Revlon ColorSilk With Bond Repair Complex, Dark Brown	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8	ND	ND	ND	ND	ND	ND
Garnier Nutrisse Ultra Creme, Dark Chocolate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Madison Reed Radiant Color	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Simpler	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manic Panic, Raven	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Waverlo Black Hair Dye Shampoo	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

VOCs (mg/Kg), continued

Brand + Product	Bromoform	Bromomethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloromethane	Dichlorodifluoromethane (CFC 12)	Dichloromethane (Methylene Chloride)	Ethylbenzene	Hexachlorobutadiene	Isopropylbenzene (Cumene)	m,p-Xylenes	Naphthalene	n-Butylbenzene	n-Propylbenzene	o-Xylene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene (PCE)	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene (TCE)	Trichlorofluoromethane (CFC 11)	Vinyl Chloride
Bigen	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Schwarzkopf Color Ultime, Sapphire Black	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Desire Deluxe Hair Chalk Salon*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Clairol Root Touch-Up, Medium Brown	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Creative Image Adore, Mystic Gray	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
L'Oréal Féria, Downtown Brown	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arctic Fox Purple, AF	ND	ND	ND	ND	2.2	ND	ND	ND	ND	ND	ND	ND	0.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Clairol Natural Instincts, Black	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.3	ND	ND	ND	ND	ND
L'Oréal Magic Root Permanent, Dark Brown	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Schwarzkopf Keratin Color, Espresso	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naturtint, Dark Chestnut Brown	ND	ND	ND	ND	0.081	ND	ND	ND	ND	ND	ND	ND	0.13	ND	ND	ND	ND	ND	0.09	ND	ND	ND	ND	ND	ND	0.19	ND	ND	ND	ND	ND
Revlon ColorSilk Beautiful Color, Dark Brown	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND
Hally Pink Shade Stix*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15	0.13	ND	ND	0.67	ND	ND	ND	0.41	ND	ND	ND	ND	5.7	ND	ND	ND	ND	ND
Dark & Lovely, Jet Black	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dark & Lovely, Honey Blonde	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Keracolor Color & Clenditioner, Merlot	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lime Crime Unicorn Hair, Jello	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38	ND	ND	ND	ND	ND
Revlon ColorSilk With Bond Repair Complex, Dark Brown	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Garnier Nutrisse Ultra Creme, Dark Chocolate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Madison Reed Radiant Color	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Simpler	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manic Panic, Raven	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Waverlo Black Hair Dye Shampoo	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND

*Hair chalk.