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Supplemental Table S1. GC/MS results in mass% for phthalates and four commonly found alternative plasticizers. Shaded cells indicate a positive FTIR detection in addition to any GC/MS detection. A dash=below GC/MS LOD; nt=not tested. Data are drawn from twelve sets of samples purchased between 2014-2020. GC/MS target analytes varied due to cost and lab constraints, ranging from 6 to 22 phthalate congeners and zero to five alternative plasticizers. LOD ranged from .005% to .02%. Analytes listed are those detected by GC/MS in at least one sample. Abbreviations are defined below table.

Sample description (polymer determined by FTIR)	Ortho-phthalates											Alternative plasticizers			
	Total Phthalate	BBP	DBP	DIBP	DEHP	DNP	DINP	DDP	DIDP	DPHP	DNUP	DINCH	DEHT	ATBC	DEHA
cap gasket from sparkling water glass bottle (PVC)	50.00	-	-	-	-	nt	**	nt	50.00	-	nt	-	0.01	0.02	-
cap gasket from juice glass bottle (PVC)	44.00	-	-	-	-	nt	**	nt	44.00	-	nt	-	2.40	-	0.07
disposable vinyl glove (PVC)	41.56	-	-	-	-	nt	40.80	nt	0.76	-	nt	-	-	nt	nt
disposable vinyl glove (PVC)	40.32	nt	-	-	-	nt	39.30	nt	1.02	-	nt	-	-	nt	nt
disposable vinyl glove (PVC)	39.93	nt	-	-	-	nt	38.40	nt	1.53	-	nt	-	-	nt	nt
disposable vinyl glove (PVC)	39.80	-	-	-	7.66	nt	31.90	nt	0.24	-	nt	-	nt	nt	nt
disposable vinyl glove (PVC)	39.09	-	-	-	-	nt	37.10	nt	1.99	-	nt	-	nt	nt	nt
disposable vinyl glove (PVC)	38.01	nt	-	-	-	nt	37.30	nt	0.71	-	nt	-	-	nt	nt
disposable vinyl glove (PVC)	37.50	-	-	-	-	nt	37.50	nt	1.21	nt	nt	nt	nt	nt	nt
disposable vinyl glove (PVC)	36.56	-	-	-	-	nt	33.20	nt	3.36	-	nt	-	nt	nt	nt
disposable vinyl glove (PVC)	34.54	-	-	-	-	nt	31.10	nt	3.44	-	nt	-	-	nt	nt
disposable vinyl glove (PVC)	34.18	-	-	-	-	nt	32.30	nt	1.88	-	nt	-	nt	nt	nt
cap gasket from soft drink glass bottle (PVC)	34.04	-	-	-	34.00	nt	0.04	nt	-	-	nt	-	-	-	-
strap from pink flip flop (PVC)	33.13	-	33.13	-	-	nt	-	nt	-	nt	nt	nt	nt	nt	nt
wire insulation on charge cable (PVC)	32.70	-	-	-	0.01	nt	32.74	nt	-	nt	nt	nt	nt	nt	nt
disposable vinyl glove (PVC)	31.87	-	-	-	-	nt	31.60	nt	0.27	-	nt	-	nt	nt	nt
disposable vinyl glove (PVC)	29.50	-	-	-	-	nt	29.30	nt	0.20	-	nt	-	nt	nt	nt
cap gasket from iced coffee glass bottle (PVC)	29.00	-	-	-	29.00	nt	-	nt	-	-	nt	-	-	-	-
disposable vinyl glove (PVC)	24.90	-	-	-	-	-	-	-	-	24.90	-	nt	nt	nt	nt
vinyl floor runner (PVC)	24.61	-	-	-	2.88	0.05	18.50	0.04	3.15	-	nt	-	detected	-	nt
disposable vinyl glove (PVC)	23.10	-	-	-	-	nt	22.60	nt	0.50	-	nt	-	27.90	nt	nt
disposable vinyl glove (PVC)	22.70	-	-	-	-	-	-	-	-	22.70	-	-	-	nt	nt

window shade (PVC)	22.50	-	-	-	-	nt	22.00	nt	0.50	-	nt	-	-	-	nt
window shade (PVC)	22.30	-	-	-	-	-	19.00	-	3.30	-	nt	nt	nt	nt	nt
disposable vinyl glove (PVC)	21.50	-	-	-	-	-	-	-	-	21.50	-	-	-	nt	nt
window shade (PVC)	20.00	-	-	-	-	nt	20.00	nt	-	-	nt	-	-	-	nt
bathbub appliques (PVC)	19.19	-	-	12.30	6.89	-	-	-	-	-	nt	-	-	-	nt
handle grip on adjustable wrench	18.93	-	-	-	18.93	nt	-	nt	-	nt	nt	nt	nt	nt	nt
pink headband (PVC)	18.90	-	-	18.90	-	-	-	-	-	-	nt	-	detected	-	nt
grip for steering wheel (PVC, PMMA)	18.78	-	-	0.20	16.70	0.03	1.70	-	-	-	nt	detected	detected*	-	nt
wire insulation on charging cable (PVC)	18.61	-	-	-	-	0.04	18.20	-	0.37	-	nt	-	detected	-	nt
shower curtain liner (PVC)	18.20	-	-	-	18.20	nt	-	nt	-	nt	nt	nt	nt	nt	nt
grip liner for kitchen shelves, etc. (PVC)	16.92	-	-	-	-	0.06	16.70	-	0.16	-	nt	-	detected	-	nt
plastic lining on 3-ring binder (PVC)	16.58	-	-	-	0.02	nt	14.26	nt	2.31	nt	nt	nt	nt	nt	nt
vinyl glove (PVC)	16.51	-	-	-	-	nt	16.40	nt	0.11	-	nt	nt	nt	nt	nt
exterior of pencil pouch (PVC)	14.03	-	-	-	13.70	-	0.33	-	-	-	nt	-	-	-	nt
wire insulation on extension cord (PVC)	13.83	-	-	-	13.70	-	0.13	-	-	-	nt	-	-	-	nt
window shade (PVC)	13.52	-	-	-	-	nt	13.30	nt	0.22	-	nt	-	detected	-	-
wireless gear (PVC)	12.88	-	-	-	1.33	0.09	11.40	-	0.05	-	nt	-	-	-	nt
cap gasket from beer bottle (PVC)	>12	-	-	-	>12%	nt	-	nt	0.02	-	nt	-	-	-	-
cap gasket from Kombucha bottle (PVC)	>12	-	-	-	-	nt	>12%	nt	5.52	-	nt	-	-	-	-
cap gasket from juice bottle (PVC)	>12	-	-	-	>12%	nt	0.13	nt	-	-	nt	-	-	-	-
cap gasket from ginger beer bottle (PVC)	>12	-	-	-	-	nt	>12%	nt	5.38	-	nt	-	-	-	-
cap gasket from club soda bottle (PVC)	>12	-	-	-	-	nt	1.32	nt	>12%	-	nt	-	-	-	-
cap gasket from Kombucha bottle (PVC)	>12	-	-	-	>12%	nt	0.73	nt	-	-	nt	-	-	-	-
inflation liner for milking equipment (PVC)	10.11*	nt	-	-	-	nt	1.11	nt	9.06	-	nt	nt	-	nt	detected
wallpaper (PVC)	9.8*	-	-	-	-	nt	-	nt	-	9.80	nt	-	-	-	-
floor tile (PVC)	9.36	-	-	-	0.02	nt	9.16	nt	0.18	-	nt	-	-	-	nt
dance floor (PVC)	9.10	-	-	-	-	nt	9.10	nt	-	-	nt	-	-	-	nt
dance floor (PVC)	8.70	-	-	-	-	nt	8.70	nt	-	-	nt	-	-	-	nt
utility hose (PVC)	8.62	-	1.50	0.66	2.60	nt	2.60	nt	0.91	0.35	nt	-	trace	-	0.02
garden hose (PVC)	7.20	-	-	-	1.30	nt	3.90	nt	2.00	-	nt	-	detected	-	2.80
black print on child's backpack (PVC)	6.96*	-	0.47	-	5.44	nt	1.05	nt	-	nt	nt	nt	nt	nt	nt
floor tile (PVC)	6.86	-	-	-	5.75	nt	0.46	nt	0.66	-	nt	-	detected	-	nt
interior lining of pencil pouch (PVC)	6.56	-	-	0.01	6.35	-	0.18	0.02	-	-	nt	-	detected*	-	nt
wallpaper (PVC)	6.01*	-	-	-	0.01	nt	6.00	nt	-	-	nt	-	-	-	-

wallpaper (PVC)	5.90	-	-	-	-	nt	5.90	nt	-	-	nt	-	-	-	-
exterior of handbag (PVC)	4.46*	-	-	-	4.46	nt	-	nt	-	nt	nt	nt	nt	nt	nt
wall decal (PVC)	4.41	-	-	-	1.80	nt	2.61	nt	-	-	nt	-	-	-	detected
wallpaper (PVC)	4.20	-	-	-	-	nt	4.20	nt	-	nt	nt	-	-	-	-
wall decal (PVC)	4.09*	-	-	-	1.80	nt	2.29	nt	-	-	nt	-	-	-	detected
dance floor (PVC)	3.85*	-	-	-	-	nt	1.40	nt	1.70	0.75	nt	-	detected	-	nt
wall decal (PVC)	1.94*	-	-	-	1.94	nt	-	nt	-	nt	nt	-	-	-	-
floor tile plank (PVC )	1.47	-	0.14	0.08	1.06	-	0.16	-	0.03	-	nt	-	detected	-	nt
garden hose (PVC)	1.45	-	-	-	-	0.15	-	-	-	-	1.30	-	-	-	0.05
wall decal (PVC)	1.36	-	-	-	0.52	nt	0.81	nt	0.03	-	nt	-	-	-	-
wall decal (PVC)	0.45	-	-	-	-	nt	0.44	nt	0.01	nt	nt	-	detected	-	-
tub mat (PVC)	0.40	-	0.01	-	0.16	-	0.23	-	-	-	nt	-	detected	-	nt
clear plastic window of pencil pouch (PVC)	0.33	-	-	0.01	0.32	-	-	-	-	-	nt	-	detected	-	nt
crib mattress vinyl cover (PVC)	0.11	-	-	-	0.11	nt	-	nt	-	-	nt	-	detected	-	0.45
crib mattress vinyl cover (PVC)	0.11	-	-	-	0.11	nt	-	nt	-	-	nt	detected	-	-	-
doll head (PVC)	0.09	-	-	0.09	-	-	-	-	-	-	nt	detected	-	-	nt
floor tile, peel and stick (PVC)	0.07	0.06	-	0.01	-	-	-	-	-	-	nt	-	-	-	nt
kids' "jelly" shoe (PVC)	0.07	-	-	0.07	-	-	-	-	-	-	nt	-	detected	-	nt
plastic window of carry-all case (PVC)	0.05	-	-	-	0.05	nt	-	nt	-	nt	nt	nt	nt	nt	nt
kids' "jelly" shoe (PVC)	0.03	-	-	0.03	-	-	-	-	-	-	nt	-	detected	-	nt
inner lining of handbag (PVC)	0.03	-	-	-	0.03	-	-	-	-	-	nt	-	detected	-	nt
window clings (PVC)	0.02	-	-	-	-	-	0.02	-	-	-	nt	detected	-	-	nt
doll head (PVC)	0.02	-	0.01	0.01	-	-	-	-	-	-	nt	-	detected	-	nt
crib mattress vinyl cover (PVC)	0.02	-	-	-	0.02	nt	-	nt	-	-	nt	-	detected	-	-
crib mattress vinyl cover (PVC)	0.02	-	-	-	0.02	nt	-	nt	-	-	nt	-	detected	-	-
placemat (PVC)	0.01	-	-	-	0.01	-	-	-	-	-	nt	-	detected	-	nt
crib mattress vinyl cover (PVC)	0.01	-	-	-	0.01	nt	-	nt	-	-	nt	detected	-	-	-
crib mattress vinyl cover (PVC)	0.01	-	-	-	0.01	nt	-	nt	-	-	nt	-	detected	-	2.56
tray from fingerpaint set (PVC)	0.01	-	-	-	0.01	-	-	-	-	-	nt	-	-	-	nt
wire insulation on mini indoor lights (PVC)	0.01	-	-	-	0.01	-	-	-	-	-	nt	-	detected	-	nt
doll head (PVC)	0.01	-	-	-	0.01	-	-	-	-	-	nt	detected	-	detected	nt
wire insulation on mini indoor lights (PVC)	0.01	-	-	-	0.01	-	-	-	-	-	nt	-	detected	-	nt
pencil case (TPU)	0.01	-	0.01	-	-	nt	-	nt	-	nt	nt	nt	nt	nt	nt
window shade (PVC)	0.01	-	-	-	0.01	nt	-	nt	-	-	nt	-	-	-	nt
doll head (PVC)	-	-	-	-	-	-	-	-	-	-	nt	detected	detected	-	nt
doll head (PVC)	-	-	-	-	-	-	-	-	-	-	nt	detected	detected*	detected*	nt
doll head (PVC)	-	-	-	-	-	-	-	-	-	-	nt	-	detected	-	nt
rubber duck bath toy (PVC)	-	-	-	-	-	-	-	-	-	-	nt	detected	-	detected	nt
frog toy (PVC)	-	-	-	-	-	-	-	-	-	-	nt	-	-	-	nt
doll head (PVC)	-	-	-	-	-	-	-	-	-	-	nt	detected	-	detected	nt

flip flop strap (PVC)	-	-	-	-	-	-	-	-	-	-	nt	-	-	detected	nt
window cling (PVC)	-	-	-	-	-	-	-	-	-	-	nt	-	detected	-	nt
rubber duck bath toy (PVC)	-	-	-	-	-	-	-	-	-	-	nt	-	detected	detected	nt
doll head (PVC)	-	-	-	-	-	-	-	-	-	-	nt	-	detected	-	nt
paddleball (PVC)	-	-	-	-	-	-	-	-	-	-	nt	-	detected	detected	nt
window cling (PVC)	-	-	-	-	-	-	-	-	-	-	nt	-	detected	-	nt
window cling (PVC)	-	-	-	-	-	-	-	-	-	-	nt	-	detected	-	nt
doll head (PVC )	-	-	-	-	-	-	-	-	-	-	nt	-	detected	-	nt
novelty plastic straw (PVC )	-	-	-	-	-	-	-	-	-	-	nt	-	-	detected	-
disposable vinyl glove (PVC)	-	nt	-	-	-	nt	-	nt	-	-	nt	-	34.00	nt	nt
disposable vinyl glove (PVC)	-	nt	-	-	-	nt	-	nt	-	-	nt	-	33.50	nt	nt
disposable vinyl glove (PVC)	-	nt	-	-	-	nt	-	nt	-	-	nt	2.59	33.80	nt	nt
cap gasket from ginger ale glass bottle (PVC)	-	-	-	-	-	-	-	-	-	-	nt	-	detected	-	detected
water glass bottle (PEVA + PS)	-	-	-	-	-	-	-	-	-	-	nt	-	-	-	-
cap gasket from juice glass bottle (PVC)	-	-	-	-	-	-	-	-	-	-	nt	-	-	-	-
cap gasket from soft drink glass bottle (SBR)	-	-	-	-	-	-	-	-	-	-	nt	-	-	-	-
floor tile (PVC)	-	-	-	-	-	nt	-	nt	-	-	nt	-	detected	-	nt
inflation liner for milking equipment (SBR)	-	nt	-	-	-	nt	-	nt	-	-	nt	nt	detected	nt	detected

\*Extraction-IR was used to detect the analyte.

\*\*Due to the large amount of DIDP, DINP could not be evaluated.

GC/MS=gas chromatography/mass spectrometry, LOD=limit of detection, FTIR=infrared spectroscopy, BBP=benzyl butyl phthalate, DBP=dibutyl phthalate, DIBP=diisobutyl phthalate, DEHP=diethylhexyl phthalate, DNP=di-n-nonyl phthalate, DINP=diisononyl phthalate, DDP=di-n-decyl phthalate, DIDP=diisodecyl phthalate, DPHP=dipropylheptyl phthalate, DNUP=di-n-undecyl phthalate, DINCH= diisononyl 1,2-cyclohexanedicarboxylic acid diisononyl ester, DEHT=di-2-ethylhexyl terephthalate, ATBC=acetyl tributyl citrate, DEHA=di-2-ethylhexyl adipate. PVC=polyvinyl chloride, SBR=styrene butadiene rubber, PEVA=polyethylene vinyl acetate, PS=polystyrene, TPU=thermoplastic polyurethane.