



COA6V1.1

Certificate of Analysis

Client:	Moms Across America	Report Date:	20230918
Sample Size (g or L):	N/A	Test Date:	20230816 TO 20230909

Sample ID Number	Sample Description	Lot Number	Pesticide residues Concentration (ng/g) in Test samples
S10961	PIZZA HUT - Pepperoni and cheese pizza- extra pepperoni	NA	Please refer in CoA Page 2
S10962	PIZZA HUT - Vegetable topped pizza	NA	Please refer in CoA Page 2
S10963	TACO BELL - Beef taco supreme	NA	Please refer in CoA Page 2
S10964	TACO BELL - Chicken and cheese quesadilla	NA	Please refer in CoA Page 2
S10965	KFC - Fried chicken breasts	NA	Please refer in CoA Page 2
S10966	KFC - Fried chicken sandwich	NA	Please refer in CoA Page 2
S10967	IN-N-OUT BURGER - Cheeseburger	NA	Please refer in CoA Page 2
S10968	IN-N-OUT BURGER - Fries	NA	Please refer in CoA Page 2
S10971	PANERA BREAD - Steak and cheddar sandwich	NA	Please refer in CoA Page 2
S10972	PANERA BREAD - Deli ham sandwich	NA	Please refer in CoA Page 2
S10973	JACK IN THE BOX - Bacon cheese burger with lettuce, onions and	NA	Please refer in CoA Page 2
S10974	JACK IN THE BOX - Fries	NA	Please refer in CoA Page 2
S10975	CHIPOTLE - Carnitas bowl with everything	NA	Please refer in CoA Page 2
S10976	CHIPOTLE - Beef burrito with cheese	NA	Please refer in CoA Page 2
S10977	POPEYES LOUISIANA KITCHEN - 5 piece tenders	NA	Please refer in CoA Page 2
S10978	POPEYES LOUISIANA KITCHEN - Spicy Chicken Sandwich	NA	Please refer in CoA Page 2
S10979	SONIC DRIVE-IN - Cheese Burger	NA	Please refer in CoA Page 2
S10980	SONIC DRIVE-IN - Fries	NA	Please refer in CoA Page 2
S10981	LITTLE CAESARS - Pepperoni pizza	NA	Please refer in CoA Page 2
S10982	LITTLE CAESARS - Sausage pizza	NA	Please refer in CoA Page 2
S10983	DUNKIN - Breakfast sandwich - sausage, egg and cheese	NA	Please refer in CoA Page 2
S10984	DUNKIN - Glazed Donut	NA	Please refer in CoA Page 2
S10985	PANDA EXPRESS - Orange Chicken + White Rice	NA	Please refer in CoA Page 2
S10986	PANDA EXPRESS - Beef and broccoli with fried rice	NA	Please refer in CoA Page 2
S10987	DAIRY QUEEN - FlameThrower Grillburger	NA	Please refer in CoA Page 2
S10988	DAIRY QUEEN - Fries	NA	Please refer in CoA Page 2
S10989	WENDY'S - Chicken Sandwich	NA	Please refer in CoA Page 2
S10990	WENDY'S - Cheese Burger	NA	Please refer in CoA Page 2
S10993	DOMINO'S - Pepperoni cheese pizza - extra pepperoni	NA	Please refer in CoA Page 2
S10994	DOMINO'S - Pepperoni cheese pizza Gluten Free crust - extra	NA	Please refer in CoA Page 2
S11004	BURGER KING - Impossible Burger	NA	Please refer in CoA Page 2
S11005	BURGER KING - Quarter Pounder with lettuce and tomato and cheese	NA	Please refer in CoA Page 2
S11006	STARBUCKS - Double-Smoke Bacon, Cheddar and Egg Sandwich	NA	Please refer in CoA Page 2
S11007	SUBWAY - Cold Cut Combo - Footlong	NA	Please refer in CoA Page 2
S11008	SUBWAY - Veggie Delight - Footlong	NA	Please refer in CoA Page 2
S11009	STARBUCKS - Impossible Breakfast Sandwich	NA	Please refer in CoA Page 2
S11010	CHICK-FIL-A* - Chicken sandwich	NA	Please refer in CoA Page 2
S11011	CHICK-FIL-A* - Chicken nuggets	NA	Please refer in CoA Page 2
S11016	MCDONALD'S - Big Mac - Beef, Lettuce, Pickle, American Cheese	NA	Please refer in CoA Page 2
S11017	MCDONALD'S - Breakfast egg sausage and cheese sandwich	NA	Please refer in CoA Page 2
S11018	CENTNER INSTITUTE - Hamburger	NA	Please refer in CoA Page 2
S11019	CENTNER INSTITUTE - Sweet potato fries	NA	Please refer in CoA Page 2
S11020	CENTNER INSTITUTE - Bok choy	NA	Please refer in CoA Page 2
S11021	CENTNER INSTITUTE - Grape Tomatoes	NA	Please refer in CoA Page 2
S11027	ARBY'S - Classic Chicken Sandwich	NA	Please refer in CoA Page 2
S11028	ARBY'S - Roast Beef & Cheddar Sandwich	NA	Please refer in CoA Page 2

Details on Following Page

1. Multi-Analyst, Multi-Matrix Performance of the QuEChERS Approach for Pesticide Residues in Foods and Feeds Using HPLC/MS/MS Analysis with Different Calibration Techniques. Lehotay et al., Journal of AOAC International 93 355-367 (2010). Our method's limit of

2. Validation of a Multi-Residue Analysis Method for 287 Pesticides in Citrus Fruits Mandarin Orange and Grapefruit Using Liquid Chromatography-Tandem Mass Spectrometry. Xiu Yuan, Chang Jo Kim et al., Foods 2022, 11, 3522. <https://doi.org/10.3390/foods11213522>.

3. FAO Corporate Document Repository. "Residue and Analytical Aspects." Pesticide residues in Food-2005. Agriculture and Consumer

Released on Behalf of Health Research Institute by

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[illegible]

Pesticide residue name	S10961	S10962	S10963	S10964	S10965	S10966	S10967	S10968	S10971	S10972	S10973	S10974	S10975	S10976	S10977	S10978	S10979	S10980	S10981	S10982	S10983	S10984	S10985	S10986	S10987	S10988	S10989	S10990	S10993	S10994	S11004	S11005	S11006	S11007	S11008	S11009	S11010	S11011	S11016	S11017	S11018	S11019	S11020	S11021	S11027	S11028	
Simazine	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pendimethalin	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bifenthrin	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fenpropathrin	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propanil	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trifluralin	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Coumaphos	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrimiphos methyl	ND	ND	3.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.49	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	ND	ND
Trans-Permethrin	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iprodione	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Deltamethrin	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-Permethrin	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azinphos methyl	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinclozolin	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Folpet	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phosalone	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thiram	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propiconazole	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorothalonil	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorpyrifos	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloflumid	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diazinon	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fenthion	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorvos	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethephon	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Captan	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Form No.: FM-024

je Date: 12/09/21

F-Rev: 12/09/202

Notes:
See Limits of Quantification (LOQs) for each analyte on f
ND = Not Detected
Trace: Conc.< 1.10 ng/g
ng/g = nanogram per gram and may also be expressed as

Full List of Analytes and Limits of Quantitation

Pesticide residue Name	Limit of Quantitation	Pesticide residue Name	Limit of Quantitation (ng/g)	Pesticide residue Name	Limit of Quantitation (ng/g)	Pesticide residue Name	Limit of Quantitation (ng/g)	Pesticide residue Name	Limit of Quantitation (ng/g)
(Monoceren) Pencycuron	1.10	Desmedipham	1.10	Forchlorfenuron	1.10	Nuarimol	1.10	Tetraconazole	1.10
3-Hydroxycarbofuran	1.10	Diclobutrazol	1.10	Formetanate HCl	1.10	Omethoate	1.10	Thiabendazole	1.10
Acephate	1.10	Dicrotophos	1.10	Fuberidazole	1.10	Oxadixyl	1.10	Thiacloprid	1.10
Acetamiprid	1.10	Diethofencarb	1.10	Furalaxyl	1.10	Oxamyl	1.10	Thiamethoxam	1.10
Acibenzolar-S-methyl	1.10	Difenoconazole Isomer	1.10	Furathiocarb	1.10	Paclobutrazol	1.10	Thidiazuron	1.10
Alarycarb	1.10	Diflubenzuron	1.10	Halofenozide	1.10	Penconazole	1.10	Thiobencarb	1.10
Aldicarb sulfone	1.10	Dimethoate	1.10	Hexaconazole	1.10	Phenmedipham	1.10	Thiofanox	NA
Aldicarb sulfoxide	1.10	Dimethomorph Isomer	1.10	Hexaflumuron	1.10	Picoxystrobin	1.10	Thiophanate-meth	1.10
Aldicarb	1.10	Dimoxystrobin	1.10	Hexythiazox	1.10	Piperonyl butoxide	1.10	Triadimefon	1.10
Ametryn	1.10	Diniconazole	1.10	Hydramethylnon	1.10	Pirimicarb	1.10	Triadimenol	1.10
Aminocarb	1.10	Dinotefuran	1.10	Imazalil	1.10	Prochloraz	1.10	Trichlorfon	1.10
Amitraz	1.10	Dioxacarb	1.10	Imidacloprid	1.10	Promecarb	1.10	Tricyclazole	1.10
Avermectin B1a	NA	Diuron	1.10	Indoxacarb	1.10	Prometon	1.10	Trifloxystrobin	1.10
Avermectin B1b	NA	Doramectin	NA	Ipronazole Isomer	1.10	Prometryne	1.10	Triflumizole	1.10
Azoxystrobin	1.10	Emamectin-benzoate b1a	1.10	Iprovalicarb Isomer	1.10	Propamocarb	1.10	Triflurumuron	1.10
Benalaxyl	1.10	Emamectin-benzoate b1b	NA	Isocarbophos	NA	Propargite	1.10	Triticonazole	1.10
Bendiocarb	1.10	Epoxiconazole	1.10	Isoprocarb	1.10	Propham	NA	Vamidodithion	1.10
Benfuracarb	1.10	Epinomectin	NA	Isoproturon	1.10	Propiconazole Isomer	1.10	Zoxamide	1.10
Benzoaximate	1.10	Etaconazole Isomer	1.10	Ivermectin	NA	Propoxur	1.10	Fluazinam	1.10
Bifenazate	1.10	Ethiofencarb	1.10	Kresoxim-methyl	1.10	Prothioconazole	1.10	Atrazine	1.10
Bitertanol	1.10	Ethiprole	1.10	Linuron	1.10	Pymetrozine	1.10	Alachlor	1.10
Boscalid	1.10	Ethirimol	1.10	Lufenuron	1.10	Pyracarbolid	1.10	Dicamba	NA
Bromucanazole Isomer	1.10	Ethofumesate	NA	Mandipropamid	1.10	Pyraclostrobin	1.10	2,4-D	1.10
Bupirimate	1.10	Etoxazole	1.10	Mefenacet	1.10	Pyridaben	1.10	Acetochlor	1.10
Buprofezin	1.10	Famoxadone	NA	Mepanipyrim	1.10	Pyrimethanil	1.10	Metolachlor	1.10
Butafenacil	1.10	Fenamidone	1.10	Mepronil	1.10	Pyriproxyfen	1.10	Simazine	1.10
Butocarboxim	NA	Fenarimol	1.10	Mesotrione	1.10	Quinoxifen	1.10	Pendimethalin	1.10
Butoxycarboxim	1.10	Fenazaquin	1.10	Metaflumizone	1.10	Rotenone	1.10	Bifenthrin	NA
Carbaryl	1.10	Fenbuconazole	1.10	Metalaxyl	1.10	Secbumeton	1.10	Fenpropathrin	NA
Carbendazim	1.10	Fenhexamid	1.10	Metconazole	1.10	Siduron	1.10	Propanil	1.10
Carbetamide	1.10	Fenobucarb	1.10	Methabenzthiazuron	1.10	Simetryn	1.10	Trifluralin	NA
Carbofuran	1.10	Fenoxycarb	1.10	Methamidophos	1.10	Spinetoram	1.10	Coumaphos	1.10
Carboxin	1.10	Fenpropimorph	1.10	Methiocarb	1.10	Spinosad (Spinosyn A)	1.10	Pirimiphos methyl	1.10
Carfentrazone-ethyl	1.10	Fenpyroximate	1.10	Methomyl	1.10	Spinosad (Spinosyn D)	1.10	Trans-Permethrin	NA
Chlorantraniliprole	1.10	Fenuron	1.10	Methoprotryne	1.10	Spirodiclofen	NA	Iprodione	1.10
Chlorfluazuron	1.10	Fipronil	NA	Methoxyfenozide	1.10	Spiromesifen	1.10	Deltamethrin	NA
Chlorotoluron	1.10	Fonicamid	1.10	Metobromuron	1.10	Spirotetramat	1.10	Cis-Permethrin	NA
Chloroxuron	1.10	Flubendiamide	NA	Metribuzin	1.10	Spiroxamine Isomer	1.10	Azinphos methyl	1.10
Clethodim Isomer	1.10	Fludioxinil	NA	Mevinphos Isomer	1.10	Sulfentrazone	1.10	Vinclozolin	NA
Clofentezine	1.10	Flufenacet	1.10	Mexcarbata	1.10	Tebuconazole	1.10	Folpet	NA
Clothianidin	1.10	Flufenoxuron	1.10	Monocrotophos	1.10	Tebufenozide	1.10	Phosalone	1.10
Cyazofamid	1.10	Fluometuron	1.10	Monolinuron	1.10	Tebufenpyrad	1.10	Thiram	1.10
Cycluron	1.10	Fluoxastrobin	1.10	Moxidectin	NA	Tebuthiuron	1.10	Propiconazole	1.10
Cymoxanil	1.10	Fluquinconazole	1.10	Myclobutanil	1.10	Teflubenzuron	1.10	Chlorothalonil	1.10
Cyproconazole Isomer	1.10	Flusilazole	1.10	Neburon	1.10	Temephos	1.10	Chlorpyrifos	1.10
Cyprodinil	1.10	Flutolanil	1.10	Nitenpyram	1.10	Terbumeton	1.10	Dichloflumamid	NA
Cyromazine	NA	Flutriafol	1.10	Novaluron	1.10	Terbutryn	1.10	Diazinon	1.10
								Fenthion	1.10
								Dichlorvos	1.10
								2-Chloroethyl phos	NA
								Captan	NA

Note: 1) Out of the 236 compounds analyzed, the following 28 compounds were not detectable or were detectable at reduced sensitivity, leaving a total of 208 compounds that were screened with full rigor. The nature of multi-residue methods is that they cannot be optimal for all compounds in all matrices.

2) To expand the pesticide multi-residue screening, 32 individual stock pesticide residues were added to the method.

Avermectin B1a	Fludioxinil	Deltamethrin
Avermectin B1b	Isocarbophos	Cis-Permethrin
Butocarboxim	Ivermectin	Vinclozolin
Cyromazine	Moxidectin	Folpet
Doramectin	Propham	Dichloflumamid
Emamectin-benzoate b1b	Spiromesifen	Dicamba
Epinomectin	Thiofanox	Ethephon
Ethofumesate	Bifenthrin	Captan
Famoxadone	Fenpropathrin	
Fipronil	Trifluralin	
Flubendiamide	Trans-Permethrin	

		Pesticide residues Conc. in Test samples (ng/g)																													
HRI Sample No.	Sample Description	Azoxystrobin	Boscalid	Clothianidin	Difenoconazole isomer	Dimethoate	Dimethomorph isomer	Diniconazole	Dinotefuran	Fenprothiate	Fenuron	Flutriafol	Imidacloprid	Indoxacarb	Mandipropamid	Metaxyl	Metribuzin	Piperonyl butoxide	Propamocarb	Pyraclostrobin	Pyriproxyfen	Spinetoram	Tebuconazole	Thiamethoxam	Thiophanate-methyl	Tricyclazole	2,4-D	Phosphos methyl	Total Pesticides in Sample		
S10961	PIZZA HUT - Pepperoni and cheese pizza- extra pepperoni	Trace	-	-	Trace	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00		
S10962	PIZZA HUT - Vegetable topped pizza	Trace	-	-	Trace	6.89	-	-	-	-	-	-	3.99	-	-	1.89	-	-	-	1.96	-	-	2.79	3.99	-	-	-	-	-	21.50	
S10963	TACO BELL - Beef taco supreme	-	-	-	3.49	-	Trace	-	-	1.12	-	-	-	1.32	-	-	-	-	-	1.96	2.69	-	Trace	Trace	-	-	Trace	3.17	-	11.78	
S10964	TACO BELL - Chicken and cheese quesadilla	-	-	-	-	-	-	2.07	-	-	-	-	-	-	-	-	-	-	-	-	-	Trace	-	-	-	-	1.10	-	-	3.17	
S10965	KFC - Fried chicken breasts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
S10966	KFC - Fried chicken sandwich	-	1.20	2.89	-	-	-	-	-	-	-	-	-	-	-	-	2.96	-	-	-	-	-	-	3.99	-	-	-	-	-	11.03	
S10967	IN-N-OUT BURGER-Cheeseburger	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Trace	-	-	-	-	-	0.00	
S10968	IN-N-OUT BURGER - Fries	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.16	-	-	Trace	-	-	-	-	-	-	-	10.16	
S10971	PANERA BREAD - Steak and cheddar sandwich	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
S10972	PANERA BREAD - Deli ham sandwich	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Trace	-	-	-	-	-	-	-	-	-	-	-	0.00	
S10973	JACK IN THE BOX - Bacon cheese burger with lettuce, onions and tomato	1.20	-	-	1.68	-	-	-	-	-	-	Trace	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.88	
S10974	JACK IN THE BOX - Fries	-	-	-	-	-	-	-	-	-	-	-	1.85	-	-	-	-	8.87	-	-	-	-	-	-	-	-	Trace	-	-	10.72	
S10975	CHIPOTLE - Carnitas bowl with everything	Trace	-	-	-	-	6.20	-	-	-	-	-	1.82	-	-	-	-	-	-	6.40	-	Trace	1.58	Trace	-	2.02	-	-	-	18.02	
S10976	CHIPOTLE - Beef burrito with cheese	Trace	1.23	-	Trace	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Trace	Trace	-	2.09	-	1.49	-	-	4.81	
S10977	POPEYES LOUISIANA KITCHEN - 5 piece tenders	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
S10978	POPEYES LOUISIANA KITCHEN - Spicy Chicken Sandwich	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Trace	-	-	-	-	-	-	0.00	
S10979	SONIC DRIVE-IN - Cheese Burger	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Trace	Trace	-	-	-	-	-	0.00	
S10980	SONIC DRIVE-IN - Fries	-	-	3.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.31	-	-	3.79	-	-	9.06	
S10981	LITTLE CAESARS - Pepperoni pizza	1.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.35	
S10982	LITTLE CAESARS - Sausage pizza	1.22	-	-	Trace	-	-	-	-	-	-	-	-	-	-	Trace	-	-	-	-	-	-	-	-	-	-	-	-	-	1.22	
S10983	DUNKIN - Breakfast sandwich - sausage, egg and cheese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
S10984	DUNKIN - Glazed Donut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
S10985	PANDA EXPRESS - Orange Chicken + White Rice	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
S10986	PANDA EXPRESS - Beef and broccoli with fried rice	-	1.19	1.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Trace	-	-	-	-	-	-	2.41	
S10987	DAIRY QUEEN - FlameThrower Grillburger	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.54	-	-	-	-	1.34	-	-	Trace	-	-	-	3.88	
S10988	DAIRY QUEEN - Fries	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.33	Trace	-	-	-	-	-	-	-	-	-	-	-	2.33	
S10989	WENDY'S - Chicken Sandwich	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
S10990	WENDY'S - Cheese Burger	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
S10993	DOMINO'S - Pepperoni cheese pizza - extra pepperoni	Trace	-	-	Trace	-	-	-	-	-	-	Trace	-	-	-	-	-	34.73	-	-	-	-	Trace	-	-	-	1.84	-	-	36.57	
S10994	DOMINO'S - Pepperoni cheese pizza Gluten Free crust - extra pepperoni	1.98	-	-	1.81	-	-	-	-	-	-	1.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.06	
S11004	BURGER KING - Impossible Burger	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
S11005	BURGER KING - Quarter Pounder with lettuce and tomato and cheese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
S11006	STARBUCKS - Double-Smoke Bacon, Cheddar and Egg Sandwich	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
S11007	SUBWAY - Cold Cut Combo - Footlong	-	-	-	-	-	Trace	-	-	-	-	-	-	-	Trace	1.27	-	-	4.81	Trace	-	-	1.73	-	-	-	-	-	-	-	7.80
S11008	SUBWAY - Veggie Delight - Footlong	-	-	2.21	-	Trace	-	-	-	-	-	-	-	-	Trace	1.82	-	-	5.62	Trace	-	-	1.85	-	-	2.04	-	-	-	-	13.54
S11009	STARBUCKS - Impossible Breakfast Sandwich	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
S11010	CHICK-FIL-A* - Chicken sandwich	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.16	-	-	-	-	-	-	-	-	-	-	2.16	
S11011	CHICK-FIL-A* - Chicken nuggets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Trace	-	-	-	-	-	0.00	
S11016	MCDONALD'S - Big Mac - Beef, Lettuce, Pickle, American Cheese	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Trace	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
S11017	MCDONALD'S - Breakfast egg sausage and cheese sandwich	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
S11018	CENTNER INSTITUTE - Hamburger	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
S11019	CENTNER INSTITUTE - Sweet potato fries	-	1.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.16	-	-	-	-	-	-	-	-	-	-	-	2.27	
S11020	CENTNER INSTITUTE - Bok choy	-	-	-	-	-	-	6.36	-	Trace	-	-	-	-	-	-	-	-	-	-	-	-	Trace	-	-	-	-	-	-	6.36	
S11021	CENTNER INSTITUTE - Grape Tomatoes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
S11027	ARBY'S - Classic Chicken Sandwich	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
S11028	ARBY'S - Roast Beef & Cheddar Sandwich	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	

Notes:

See Limits of Quantification (LOQs) for each analyte on following page.

ND = Not Detected

Trace: Conc. < 1.10 ng/g

ng/g = nanogram per gram and may also be expressed as parts per billion (ppb)

Health Side Effect of Contaminants

Name of Pesticide detected in food sample	Side effects	Sources
Dimethoate	headache, seating, nausea and vomiting, diarrhea, loss of coordination, muscle twitching, and death. May damage developing fetus. personality changes of depression, anxiety or irritability. may affect the nervous system.	https://nj.gov/health/eoh/rtkweb/documents/fs/0733.pdf
Imidacloprid	skin or eye irritation, dizziness, breathlessness, confusion, or vomiting, trouble walking, develop tremors, and seem overly tired.	http://npic.orst.edu/factsheets/imidagen.html#:~:text=Farm%20workers%20reported%20skin%20or,containing%20imidacloprid%20to%20their%20pets
Metalaxyl	no unreasonable risks or adverse Conclusion effects to humans or the environment.	https://www3.epa.gov/pesticides/chem_search/reg_actions/reregistration/fs_PC-113501_1-Sep-94.pdf
Pyraclostrobin	interfere, inhibit or destroy the nervous system, immune system and endocrine system of animals and human body.	https://www.sciencedirect.com/topics/chemistry/pyraclostrobin
Tebuconazole	eye irritation.	https://s3-us-west-1.amazonaws.com/agrian-cg-fs1-production/pdfs/Tebuconazole_3.6F1d_Label.pdf
Thiamethoxam	nausea, generalised tiredness and weakness :	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7335955/
Difenoconazole Isomer	vomiting tremor, and convulsion, diarrhea :	https://www.intechopen.com/chapters/19601
Fenpyroximate	nausea, vomiting, incoordination, convulsions, central nervous system depression and respiratory distress, bradycardia, and arrhythmia.	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7752586/
Indoxacarb	cyanosis, chocolate brown mucous membranes, dyspnea, lethargy, and coma.	https://www.sciencedirect.com/topics/agricultural-and-biological-sciences/indoxacarb
Pyriproxyfen	eye irritation :	http://npic.orst.edu/factsheets/pyriprogen.html
Pirimiphos methyl	headache, dizziness, blurred vision, tightness in the chest, sweating nausea and vomiting, diarrhea, muscle twitching, convulsions, coma and death.	https://nj.gov/health/eoh/rtkweb/documents/fs/1545.pdf
Diniconazole	skin and eye irritation, respiratory irritation, headache, dizziness, and nausea	https://chat.openai.com/c/a8489234-6a2a-4c7b-8eec-2499bd69cb5e
2,4-D	coughing, a burning feeling in the airway, and dizziness	http://npic.orst.edu/factsheets/24Dgen.html
Boscalid	changes in thyroid and liver	https://haz-map.com/Agents/3988
Clothianidin	lethargy, respiratory distress, reduced movement, and loss of balance with staggering followed by spasms	https://www.sciencedirect.com/topics/earth-and-planetary-sciences/clothianidin
Metribuzin	weakness fatigue, tremors, drowsiness	https://nj.gov/health/eoh/rtkweb/documents/fs/1302.pdf
Propamocarb	anorexia, diarrhea, and flatulence, ataxia, muscular contractions and prostration	https://www.sciencedirect.com/topics/agricultural-and-biological-sciences/propamocarb
Azoxystrobin	diarrhea, urinary incontinence, and salivation	https://www.federalregister.gov/documents/2015/05/01/2015-10149/azoxystrobin-pesticide-tolerances
Piperonyl butoxide	lower appetite, unsteady balance, watery eyes, irritable behavior, coma, and death	http://npic.orst.edu/factsheets/pboegen.html
Dimethomorph Isomer	do not pose an adverse health risk to humans	https://www3.epa.gov/pesticides/chem_search/reg_actions/registration/fs_PC-268800_30-Sep-98.pdf
Tricyclazole	moderate dizziness and nausea, vomiting and respiratory failure, death	https://www.sciencedirect.com/topics/chemistry/tricyclazole
Flutriafol	substantial but temporary eye injury	https://www3.epa.gov/pesticides/chem_search/ppls/000279-03588-20200221.pdf
Dinotefuran	skin and eye irritation	https://www.sciencedirect.com/topics/veterinary-science-and-veterinary-medicine/dinotefuran