

Analysis of Human Food Products Sold in Connecticut During 2021

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INTRODUCTION

The Department of Analytical Chemistry (DAC) at the Connecticut Agricultural Experiment Station (CAES) provides regulatory enforcement analysis of pesticide residues, arsenic, and heavy metals found in domestic and imported food sold within the state for the Connecticut Department of Consumer Protection (DCP). The pesticide residue surveillance program ensures: 1) that pesticides on food products are used in accordance with their label and 2) that the public is protected from the deliberate or accidental misuse of pesticides. The DAC began testing for arsenic in select food samples for the DCP in 2016.

Violations of federal law occur when pesticides are not used in accordance with label registration and are: 1) applied in excessive amounts (over tolerance violation) or 2) when they are, accidentally or deliberately, applied to crops on which they are not permitted for use (no tolerance violation). A comprehensive overview of the agencies involved, their roles, and a discussion of tolerances is found in Krol *et al.* 2006¹. Tolerance levels for pesticide residues in food established are established by the FDA and apply to both human and animal food. Likewise, the FDA has issued nonbinding action level recommendations for arsenic in bottled water², rice cereals for infants⁴, and draft action levels for apple juice³. Laboratory results are forwarded to the DCP for all submitted samples.

In 2011 the Food Safety Modernization Act (FSMA)⁵ mandated accreditation for regulatory testing laboratories. It is widely recognized that accreditation is a rigorous assessment, conducted by an independent science-based organization, which assures the capability and competency of a laboratory and its management systems. The DAC at the CAES gained initial accreditation for chemical testing to the International Organization for Standardization (ISO) / International Electrochemical Commission (IEC) ISO/IEC 17025:2005(E) standard in December of 2016 for pesticide and arsenic analysis in food. Subsequently, the laboratory gained accreditation to the updated ISO/IEC 17025:2017 standard in February of 2019. Laboratory procedures are assessed on a biennial basis to ensure adherence to the 17025 standard. The DAC is currently accredited by the American Association for Laboratory Accreditation (A2LA) for: 1) Pesticide Residues in Food; 2) Aflatoxin Analysis in Animal Food; 3) Percent Crude Fat Analysis in Animal Feed; 4) Percent Crude Protein in Animal Feed; 5) Total Delta-9 tetrahydrocannabinol (THC) and Cannabidiol (CBD) Analysis in Hemp (*Cannabis Sativa*); and 6) THC, tetrahydrocannabinolic acid (THCA), CBD, and cannabidiolic acid (CBDA) in food, plant material, and consumer products⁶.

The current work reports upon the 186 human food samples tested during the 2021 calendar year for pesticide residues, arsenic, and/or heavy metals. All samples were collected and submitted by the CT DCP as part of the

manufactured food regulatory program standard (MFRPS) and the laboratory flexible funding model (LFFM) cooperative agreement testing programs and were tested in accordance with the ISO/IEC 17025:2017 standard.

METHODS

Samples for Pesticide Residues:

The sample extraction and cleanup procedure is based on quick, easy, cheap, effective, rugged, and safe (QuEChERS) chemistry. Following homogenization and extraction, samples are analyzed using a liquid chromatograph couple to a high-resolution mass spectrometer (LC-HRMS) and a gas chromatograph paired to a tandem mass spectrometer (GC-MS/MS). Findings are reported to the DCP in mg/kg (mg/kg). Based on past FDA enforcement and the enforcement levels in use in the European Union (EU), the CAES defines its Limit of Reporting (LOR) at 0.010 mg/kg (mg/kg). Limits of Detection (LOD) levels and measurement uncertainty have been established for all pesticides reported.

Samples for Arsenic and Other Metals:

Samples are digested with acid and analyzed by Inductively Coupled Plasma Mass Spectrometry (ICP-MS). Samples analyzed for inorganic arsenic (iAs) are extracted with a weak acid and the arsenic species are separated using High Performance Liquid Chromatography (HPLC) and analyzed by ICP-MS. Findings are reported to the DCP as $\mu\text{g}/\text{kg}$ (ppb). In 2005, The FDA issued an action level for arsenic in bottled water at 10 $\mu\text{g}/\text{L}$ (ppb)². A draft guidance action level for inorganic arsenic in apple juice at 10 $\mu\text{g}/\text{kg}$ (ppb) was proposed by the FDA in 2013³. An action level for inorganic arsenic in rice cereals for infants of 100 $\mu\text{g}/\text{kg}$ (ppb) was established by the FDA in 2020⁴. The CAES does not report arsenic levels lower than 10 $\mu\text{g}/\text{kg}$ (ppb). If no arsenic or trace levels are found, the CAES reports < 10 $\mu\text{g}/\text{kg}$ (ppb).

Quality Assurance and Reproducibility

Calibration standards are prepared from reference materials that are traceable to the point of manufacture. Analyte spike-recoveries are evaluated with each batch of samples tested. All systems used for analysis are verified prior to use. Balances are calibrated annually and verified when used to ensure accuracy. Verification weights are National Institute of Standards and Technology (NIST) traceable through the Standard International (SI) system of units. Trends in the data produced are reviewed and analyzed. Overall method uncertainty (MU) has been established and is documented. Batch acceptability is determined using various quality control samples (QCS).

RESULTS AND DISCUSSION

Pesticide Residue Program

The 2021 findings for human food provided by the DCP are summarized in Table 1. Samples were collected between December 15, 2020 and November 10, 2021 from 20 cities and towns throughout the state. A total of 101 samples were tested for pesticide residues and 51 (50%) were found to contain at least one pesticide residue greater than the 0.010 mg/kg (mg/kg) reporting limit. Of these 51 samples, 29 were found to contain multiple residues. 3 samples were found to contain residues that were in violation of federal tolerance levels⁷. No tolerance violations were reported for Carbofuran and Dimethoate in LJ-217; and for Acephate in LJ-212. Additionally, LJ-212 was found to be over the tolerance limit for Chlorfenapyr. The remaining 50 samples did not contain reportable residues.

The pesticide residue monitoring program has a historical violation rate of approximately 3–4%. This includes over tolerance and no tolerance violations. The data reported for 2021 is consistent with previous years and continues to demonstrate the safety of produce purchased in the state of Connecticut.

The results of all analysis performed at the CAES are reported to the DCP. All regulatory enforcement of illegal residues where CT is the source are performed by the CT DCP. In those cases where illegal residues are reported on samples whose source is outside of CT, the DCP will forward the results to the FDA or the United States Department of Agriculture (USDA) for enforcement. The Enforcement actions (or lack thereof) taken by the relevant government agency are not always communicated back to CAES.

Heavy metals and Arsenic Testing Program

Arsenic and other metals are naturally occurring, widely found in nature and may be present in foods. The FDA has issued nonbinding action level recommendations for arsenic in bottled water² and rice cereals for infants⁴, and draft action levels for apple juice³.

There were 85 samples tested in 2021 as part of the CAES contract with the DCP. Of these, 19 (22%) were Boxed cereal and 7 (8%) were baby food retail product, 54 (64%) were spices, and 5 (6%) were vinegar as shown in Table 2.

Rice is known to contain arsenic, and the FDA has established an action level for infant rice products of 100 ($\mu\text{g}/\text{kg}$) inorganic arsenic (iAs)⁴. For 2021 there were no reportable violations.

CONCLUSIONS

Nearly all the food we eat, except for organically grown produce, has been intentionally treated with pesticides during production. If pesticides used during food production have been applied in accordance with the approved use of the product, the levels resulting on the food will be below the EPA tolerance. The results of this work allow the consumer to gain a better understanding of the prevalence and levels of pesticide residues in the food they consume.

Naturally occurring arsenic may be present in some of the foods we consume. The organic designation does not seem to be an accurate reflection of the amount of arsenic in a given sample. The amount of arsenic found in samples of baby food tested seems best correlated to the amount of rice contained in the sample. The CAES currently can perform arsenic speciation, which determines the inorganic arsenic in a sample. Although some values of arsenic in samples may seem high, they may not truly represent the true amount of inorganic arsenic contained in a sample.

Table 1: 2021 Pesticide Residue Findings in Human Food.

Sample ID	Commodity	Town Collected	Pesticides Found (mg/kg)	
LJ-77	Tomatoes	Newington	Cyhalothrin, lambda – 0.015	
LJ-78	Squash	Newington		
LJ-79	Mushrooms	Newington		
LJ-80	Potatoes	Newington	Azoxystrobin – 0.062	Difenconazole – 0.266
			Chlorpropham – 1.235	Fludioxonil – 0.21
LJ-87	Apples	Southington	Chlorantraniliprole – 1.253	Methoxyfenozide – 0.021
			Diphenylamine – 0.917	Thiabendazole – 0.271
LJ-88	Mango	Southington		
LJ-89	Watermelon	Southington		
LJ-90	Blackberries	Southington	Bifenazate – 0.769	Fenhexamid – 0.018
			Cyprodinil – 0.037	Hexythiazox – 0.439
LJ-91	Blueberries	Southington	Boscalid – 0.025	
			Cyprodinil – 0.026	
LJ-125	Blackberries	Manchester	Azoxystrobin – 0.164	Imidacloprid – 0.028
			Cypermethrin – 0.405	Spinetoram – 0.03
LJ-126	Tomatoes	Manchester	Boscalid – 0.02	Difenconazole – 0.022
			Cyprodinil – 0.017	Spiromesifen – 0.024
LJ-127	Sliced Apples	Manchester	Acetamiprid – 0.03	Phosmet – 0.12
LJ-128	Sweet Potato	Manchester		
LJ-129	Butternut Squash	Manchester		
LJ-137	Calabaza	West Hartford		
LJ-138	Chayote	West Hartford	Imidacloprid – 0.105	
LJ-139	Brussels Sprouts	West Hartford	Indoxacarb – 0.017	Pyraclostrobin – 0.012
LJ-140	Cucumber	West Hartford	Metalaxyl – 0.082	Propamocarb – 0.1
			Novaluron – 0.019	
LJ-171	Kale	Newington	DCPA – 0.241	
			Mandipropamid – 0.016	
LJ-179	Strawberries	Farmington	Chlorantraniliprole – 0.065	Pyraclostrobin – 0.078
			Cyprodinil – 0.089	Pyrimethanil – 0.057
			Etoazole – 0.013	Spinosad – 0.035
			Fenpyroximate – 0.197	Spiromesifen – 0.041
			Fludioxonil – 0.118	
LJ-180	Potatoes	Farmington	Thiabendazole – 0.287	
LJ-181	Limes	Farmington		
LJ-182	Baby Bok Choy	Farmington	Azoxystrobin – 0.251	Tebuconazole – 0.039
			Clothianidin – 0.012	Thiamethoxam – 0.117
			Fonicamid – 0.236	
LJ-183	Green Beans	Farmington		
LJ-184	Broccoli Florets	Farmington		
LJ-185	Blueberries	Farmington	Boscalid – 0.058	Phosmet – 0.076
LJ-186	Mushrooms	Farmington		

Sample ID	Commodity	Town Collected	Pesticides Found (mg/kg)	
LJ-209	Peppers	Wallingford	Cypermethrin – 0.082	Thiamethoxam – 0.02
LJ-210	Green Beans	Wallingford		
LJ-211	Snow Peas	Wallingford	Cyhalothrin, lambda – 0.013	Dimethoate – 0.038
LJ-212	Lettuce	Wallingford	Chlorfenapyr – 1.51 Imidacloprid – 1.61	Mandipropamid – 0.105
LJ-217	Nopal	New Britain	Carbofuran – 0.02	Dimethoate – 0.136
LJ-218	Pineapples	New Britain		
LJ-219	Corn	New Britain	Acephate – 0.046	
LJ-225	Watercress	Cromwell		
LJ-226	Bean Sprouts	Cromwell		
LJ-233	Cucumbers	Derby	Propamocarb – 0.152	
LJ-234	Celery	Derby	Linuron – 0.021 Permethrin – 0.014	
LJ-257	Tangerines	North Haven	Imazalil – 0.014	Thiabendazole – 0.011
LJ-258	Rutabaga	North Haven		
LJ-259	Mushrooms	North Haven		
LJ-260	Cauliflower	North Haven		
LJ-261	Carrots	North Haven	Linuron – 0.014	
LJ-262	Parsnips	North Haven	Linuron – 0.017	
LJ-272	Sweet Potato	Meriden	Fludioxonil – 0.138	
LJ-273	Potatoes	Plantsville	Difenconazole – 0.01	
LJ-275	Tomatoes	Plantsville		
LJ-304	Apples	Marlborough	Diphenylamine – 0.054 Fludioxonil – 0.107	Pyrimethanil – 0.016 Thiabendazole – 0.093
LJ-306	Bell peppers	Marlborough	Azoxystrobin – 0.039 Clothianidin – 0.023 Dinotefuran – 0.016 Fenhexamid – 0.012 Metalaxyl – 0.059	Propamocarb – 0.019 Pyriproxyfen – 0.019 Tebuconazole – 0.016 Thiamethoxam – 0.021
LJ-314	Lettuce, Romaine Hearts	Branford		
LJ-316	Cherries	Branford	Myclobutanil – 0.012	
LJ-318	Radishes	West Hartford		
LJ-320	Cucumbers	West Hartford	Imidacloprid – 0.012	Propamocarb – 0.097
LJ-322	Mushrooms	West Hartford	Cyromazine – 0.059	Thiabendazole – 0.135
LJ-341	Peaches	Avon	Fludioxonil – 0.462 Indoxacarb – 0.032	Propiconazole – 0.255
LJ-342	Raspberries	Avon		

Sample ID	Commodity	Town Collected	Pesticides Found (mg/kg)	
LJ-355	Brussels Sprouts	Vernon		
LJ-356	Yams	Vernon		
LJ-357	Carrots	Vernon	Linuron – 0.021	
LJ-358	Tomatoes	Vernon	Bifenthrin – 0.049	Pyraclostrobin – 0.03
LJ-359	Chayote	Vernon		
LJ-360	Mango	Vernon		
LJ-361	Mango			
LJ-381	Blackberries	Rocky Hill	Boscalid – 0.015 Imidacloprid – 0.094	Spinosad – 0.301
LJ-382	Raspberries	Rocky Hill	Acetamiprid – 0.041 Bifenazate – 0.0288	Spinetoram – 0.016
LJ-383	Golden Berries	Rocky Hill	Cyromazine – 0.046	
LJ-384	Sliced Shiitake Mushrooms	Rocky Hill		
LJ-385	Figs	Rocky Hill		
LJ-386	Rambutan	Cromwell	Imidacloprid – 0.265	
LJ-387	Organic Tomatoes	Cromwell		
LJ-388	Organic Zucchini	Cromwell		
LJ-389	Sweet Cherries	Cromwell	Acetamiprid – 0.087 Cyhalothrin, lambda – 0.093 Imidacloprid – 0.017 Quinoxifen – 0.022	Spinosad – 0.024 Trifloxystrobin – 0.067 Triflumazole – 0.094
LJ-390	Celery Hearts	Cromwell		
LJ-391	Red Seedless Grapes	Cromwell	Cyprodinil – 0.266	
LJ-392	Green Seedless Grapes	Cromwell		
LJ-393	Red Pepper	Cromwell	Pyraclostrobin – 0.031	
LJ-394	Honeydew Melon	Cromwell		
LJ-395	Celery Hearts	Cromwell	Permethrin – 0.021	
LJ-396	Peach	Middletown		
LJ-397	White Mushrooms	Middletown	Thiabendazole – 0.084	
LJ-398	Yellow Squash	Middletown		
LJ-399	Zucchini	Middletown		
LJ-400	Kiwifruit	Middletown		
LJ-403	Broccoli Florets	Glastonbury	Permethrin – 0.032	
LJ-404	Cucumbers	Glastonbury	Propamocarb – 0.011	

Sample ID	Commodity	Town Collected	Pesticides Found (mg/kg)	
LJ-405	Sweet Onions	Glastonbury		
LJ-406	Organic Fancy Yellow Squash	Glastonbury	Metalaxyl – 0.035	
LJ-407	Brussel Sprouts	Glastonbury		
LJ-408	Snow Peas	Avon		
LJ-409	Sweet Potato	Avon		
LJ-410	Strawberries	Avon	Bifenthrin – 0.012 Captan – 0.303 Cyprodinil – 0.074	Fludioxonil – 0.053 Myclobutanil – 0.058
LJ-411	Mcintosh Apple	Avon	Acetamiprid – 0.025	
LJ-412	Carrots	Avon		
KH-180	Asparagus	Oxford	Carbofuran – 0.03	
KH-181	Yellow Squash	Oxford		
KH-183	Blueberries	Oxford		
KH-190	Cauliflower	Simsbury		
KH-191	Mangoes	Simsbury		
KH-192	Celery Hearts	Simsbury		
KH-193	Kiwi	Simsbury		
KH-194	Cranberries	Simsbury		

Table 2: Findings of Heavy Metals in Samples Tested in 2021.

Sample ID	Commodity	Source	Town Collected	Analyte		Amount	Unit
LJ-133	Price Rite Parsley Flakes	NJ	West Hartford	Pb	=	562.1	µg/kg
LJ-133	Price Rite Parsley Flakes	NJ	West Hartford	Ni	=	3020.9	µg/kg
LJ-133	Price Rite Parsley Flakes	NJ	West Hartford	Hg	=	10.3	µg/kg
LJ-133	Price Rite Parsley Flakes	NJ	West Hartford	Cr	=	3537.2	µg/kg
LJ-133	Price Rite Parsley Flakes	NJ	West Hartford	Cd	=	89.5	µg/kg
LJ-133	Price Rite Parsley Flakes	NJ	West Hartford	As	=	149.6	µg/kg
LJ-133	Price Rite Parsley Flakes	NJ	West Hartford	Tl	=	11.9	µg/kg
LJ-134	Badia Ground Sage	FL	West Hartford	Cr	=	1560.4	µg/kg
LJ-134	Badia Ground Sage	FL	West Hartford	Cd	=	29.9	µg/kg
LJ-134	Badia Ground Sage	FL	West Hartford	Hg	=	11.1	µg/kg
LJ-134	Badia Ground Sage	FL	West Hartford	Ni	=	1041.3	µg/kg
LJ-134	Badia Ground Sage	FL	West Hartford	Pb	=	368.4	µg/kg
LJ-134	Badia Ground Sage	FL	West Hartford	Tl	=	26.8	µg/kg
LJ-134	Badia Ground Sage	FL	West Hartford	As	=	153.5	µg/kg
LJ-141	Spice Essentials Whole Cloves	NJ	Waterbury	Tl	<	5	µg/kg
LJ-141	Spice Essentials Whole Cloves	NJ	Waterbury	Pb	=	33	µg/kg
LJ-141	Spice Essentials Whole Cloves	NJ	Waterbury	Ni	=	687	µg/kg
LJ-141	Spice Essentials Whole Cloves	NJ	Waterbury	Hg	<	10	µg/kg
LJ-141	Spice Essentials Whole Cloves	NJ	Waterbury	Cr	=	320.1	µg/kg
LJ-141	Spice Essentials Whole Cloves	NJ	Waterbury	Cd	<	10	µg/kg
LJ-141	Spice Essentials Whole Cloves	NJ	Waterbury	As	<	25	µg/kg
LJ-142	Spice Essentials Rosemary Leaves	NJ	Waterbury	Tl	=	9.4	µg/kg
LJ-142	Spice Essentials Rosemary Leaves	NJ	Waterbury	Cr	=	1006.6	µg/kg
LJ-142	Spice Essentials Rosemary Leaves	NJ	Waterbury	As	=	111.6	µg/kg
LJ-142	Spice Essentials Rosemary Leaves	NJ	Waterbury	Cd	<	10	µg/kg
LJ-142	Spice Essentials Rosemary Leaves	NJ	Waterbury	Pb	=	353.6	µg/kg
LJ-142	Spice Essentials Rosemary Leaves	NJ	Waterbury	Hg	=	24.8	µg/kg
LJ-142	Spice Essentials Rosemary Leaves	NJ	Waterbury	Ni	=	543.9	µg/kg

Sample ID	Commodity	Source	Town Collected	Analyte		Amount	Unit
LJ-143	Spice Essentials Whole Oregano	NJ	Waterbury	As	=	362.8	µg/kg
LJ-143	Spice Essentials Whole Oregano	NJ	Waterbury	Tl	=	10.6	µg/kg
LJ-143	Spice Essentials Whole Oregano	NJ	Waterbury	Pb	=	403	µg/kg
LJ-143	Spice Essentials Whole Oregano	NJ	Waterbury	Ni	=	8324.3	µg/kg
LJ-143	Spice Essentials Whole Oregano	NJ	Waterbury	Hg	=	9.8	µg/kg
LJ-143	Spice Essentials Whole Oregano	NJ	Waterbury	Cr	=	4613.3	µg/kg
LJ-143	Spice Essentials Whole Oregano	NJ	Waterbury	Cd	=	13.5	µg/kg
LJ-172	Organic Cayenne Pepper	MN	Newington	As	<	25	µg/kg
LJ-172	Organic Cayenne Pepper	MN	Newington	Cd	=	64	µg/kg
LJ-172	Organic Cayenne Pepper	MN	Newington	Cr	=	823	µg/kg
LJ-172	Organic Cayenne Pepper	MN	Newington	Hg	<	10	µg/kg
LJ-172	Organic Cayenne Pepper	MN	Newington	Ni	=	935	µg/kg
LJ-172	Organic Cayenne Pepper	MN	Newington	Tl	=	15.2	µg/kg
LJ-172	Organic Cayenne Pepper	MN	Newington	Pb	=	321	µg/kg
LJ-173	Organic Dill Weed	MN	Newington	Cd	=	29	µg/kg
LJ-173	Organic Dill Weed	MN	Newington	Ni	=	1215	µg/kg
LJ-173	Organic Dill Weed	MN	Newington	As	=	106	µg/kg
LJ-173	Organic Dill Weed	MN	Newington	Tl	=	7.3	µg/kg
LJ-173	Organic Dill Weed	MN	Newington	Cr	=	1330	µg/kg
LJ-173	Organic Dill Weed	MN	Newington	Pb	=	235	µg/kg
LJ-173	Organic Dill Weed	MN	Newington	Hg	=	8.7	µg/kg
LJ-174	Organic Flaxseed	MN	Newington	Cd	=	491	µg/kg
LJ-174	Organic Flaxseed	MN	Newington	As	<	25	µg/kg
LJ-174	Organic Flaxseed	MN	Newington	Cr	<	40	µg/kg
LJ-174	Organic Flaxseed	MN	Newington	Hg	<	10	µg/kg
LJ-174	Organic Flaxseed	MN	Newington	Ni	=	1742	µg/kg
LJ-174	Organic Flaxseed	MN	Newington	Pb	<	5	µg/kg
LJ-174	Organic Flaxseed	MN	Newington	Tl	=	6.2	µg/kg
LJ-175	Organic Crystallized Ginger	MN	Newington	Pb	=	49	µg/kg
LJ-175	Organic Crystallized Ginger	MN	Newington	Ni	<	60	µg/kg
LJ-175	Organic Crystallized Ginger	MN	Newington	Hg	<	10	µg/kg

Sample ID	Commodity	Source	Town Collected	Analyte		Amount	Unit
LJ-175	Organic Crystallized Ginger	MN	Newington	Cr	<	40	µg/kg
LJ-175	Organic Crystallized Ginger	MN	Newington	Cd	<	10	µg/kg
LJ-175	Organic Crystallized Ginger	MN	Newington	As	<	25	µg/kg
LJ-175	Organic Crystallized Ginger	MN	Newington	Tl	<	5	µg/kg
LJ-176	Organic Poppy Seeds	MN	Newington	Cr	<	40	µg/kg
LJ-176	Organic Poppy Seeds	MN	Newington	Hg	<	10	µg/kg
LJ-176	Organic Poppy Seeds	MN	Newington	Cd	=	93	µg/kg
LJ-176	Organic Poppy Seeds	MN	Newington	Pb	<	5	µg/kg
LJ-176	Organic Poppy Seeds	MN	Newington	Tl	<	5	µg/kg
LJ-176	Organic Poppy Seeds	MN	Newington	Ni	=	1802	µg/kg
LJ-176	Organic Poppy Seeds	MN	Newington	As	<	25	µg/kg
LJ-213	Dried Parsley Flakes	MD	Wallingford	Pb	=	74.3	µg/kg
LJ-213	Dried Parsley Flakes	MD	Wallingford	Se	=	223	µg/kg
LJ-213	Dried Parsley Flakes	MD	Wallingford	Hg	<	2	µg/kg
LJ-213	Dried Parsley Flakes	MD	Wallingford	Cu	=	7791	µg/kg
LJ-213	Dried Parsley Flakes	MD	Wallingford	Cd	=	83.6	µg/kg
LJ-213	Dried Parsley Flakes	MD	Wallingford	As	=	302	µg/kg
LJ-214	Dried Basil Leaves	NJ	Wallingford	Se	=	79.7	µg/kg
LJ-214	Dried Basil Leaves	NJ	Wallingford	As	=	107	µg/kg
LJ-214	Dried Basil Leaves	NJ	Wallingford	Cd	=	25.3	µg/kg
LJ-214	Dried Basil Leaves	NJ	Wallingford	Hg	=	9.19	µg/kg
LJ-214	Dried Basil Leaves	NJ	Wallingford	Pb	=	394	µg/kg
LJ-214	Dried Basil Leaves	NJ	Wallingford	Cu	=	19311	µg/kg
LJ-230	Badia Pure Selected Saffron	FL	Cromwell	Pb	=	123	µg/kg
LJ-230	Badia Pure Selected Saffron	FL	Cromwell	Se	<	20	µg/kg
LJ-230	Badia Pure Selected Saffron	FL	Cromwell	Hg	=	4.23	µg/kg
LJ-230	Badia Pure Selected Saffron	FL	Cromwell	Cu	=	8870	µg/kg
LJ-230	Badia Pure Selected Saffron	FL	Cromwell	Cd	=	25.1	µg/kg
LJ-230	Badia Pure Selected Saffron	FL	Cromwell	As	=	95.7	µg/kg
LJ-231	Cilantro	FL	Cromwell	Hg	=	8.09	µg/kg
LJ-231	Cilantro	FL	Cromwell	Cu	=	12556	µg/kg
LJ-231	Cilantro	FL	Cromwell	As	=	227	µg/kg
LJ-231	Cilantro	FL	Cromwell	Pb	=	1205	µg/kg

Sample ID	Commodity	Source	Town Collected	Analyte		Amount	Unit
LJ-231	Cilantro	FL	Cromwell	Se	=	210	µg/kg
LJ-231	Cilantro	FL	Cromwell	Cd	=	78	µg/kg
LJ-232	Anise Seed	FL	Cromwell	Pb	=	93.7	µg/kg
LJ-232	Anise Seed	FL	Cromwell	Se	=	102	µg/kg
LJ-232	Anise Seed	FL	Cromwell	Hg	<	2	µg/kg
LJ-232	Anise Seed	FL	Cromwell	Cu	=	11095	µg/kg
LJ-232	Anise Seed	FL	Cromwell	Cd	=	37.6	µg/kg
LJ-232	Anise Seed	FL	Cromwell	As	=	37.5	µg/kg
LJ-263	Whole Thyme	MA	Meriden	Hg	<	10	mg/kg
LJ-263	Whole Thyme	MA	Meriden	Pb	<	15	mg/kg
LJ-263	Whole Thyme	MA	Meriden	As	<	15	mg/kg
LJ-263	Whole Thyme	MA	Meriden	Cu	<	35	mg/kg
LJ-263	Whole Thyme	MA	Meriden	Cd	<	12	mg/kg
LJ-263	Whole Thyme	MA	Meriden	Se	<	20	mg/kg
LJ-264	Parsley Flakes	MA	Meriden	Cd	<	12	mg/kg
LJ-264	Parsley Flakes	MA	Meriden	Cu	<	35	mg/kg
LJ-264	Parsley Flakes	MA	Meriden	Hg	<	10	mg/kg
LJ-264	Parsley Flakes	MA	Meriden	As	<	15	mg/kg
LJ-264	Parsley Flakes	MA	Meriden	Se	<	20	mg/kg
LJ-264	Parsley Flakes	MA	Meriden	Pb	<	15	mg/kg
LJ-265	Rosemary Leaves	MA	Meriden	Hg	<	10	mg/kg
LJ-265	Rosemary Leaves	MA	Meriden	As	<	15	mg/kg
LJ-265	Rosemary Leaves	MA	Meriden	Pb	<	15	mg/kg
LJ-265	Rosemary Leaves	MA	Meriden	Cu	<	35	mg/kg
LJ-265	Rosemary Leaves	MA	Meriden	Cd	<	12	mg/kg
LJ-265	Rosemary Leaves	MA	Meriden	Se	<	20	mg/kg
LJ-266	Whole Fennel Seed	MA	Meriden	Cd	<	12	mg/kg
LJ-266	Whole Fennel Seed	MA	Meriden	Cu	<	35	mg/kg
LJ-266	Whole Fennel Seed	MA	Meriden	Hg	<	10	mg/kg
LJ-266	Whole Fennel Seed	MA	Meriden	As	<	15	mg/kg
LJ-266	Whole Fennel Seed	MA	Meriden	Se	<	20	mg/kg
LJ-266	Whole Fennel Seed	MA	Meriden	Pb	<	15	mg/kg
LJ-267	Tarragon Leaves	MA	Meriden	Hg	<	10	mg/kg
LJ-267	Tarragon Leaves	MA	Meriden	Pb	<	15	mg/kg
LJ-267	Tarragon Leaves	MA	Meriden	As	<	15	mg/kg

Sample ID	Commodity	Source	Town Collected	Analyte		Amount	Unit
LJ-267	Tarragon Leaves	MA	Meriden	Cu	<	35	mg/kg
LJ-267	Tarragon Leaves	MA	Meriden	Cd	<	12	mg/kg
LJ-267	Tarragon Leaves	MA	Meriden	Se	<	20	mg/kg
LJ-324	Parsley Flakes	MD	West Hartford	Cd	<	15	mg/kg
LJ-324	Parsley Flakes	MD	West Hartford	Cu	=	16	mg/kg
LJ-324	Parsley Flakes	MD	West Hartford	Hg	<	10	mg/kg
LJ-324	Parsley Flakes	MD	West Hartford	As	<	10	mg/kg
LJ-324	Parsley Flakes	MD	West Hartford	Se	<	5	mg/kg
LJ-324	Parsley Flakes	MD	West Hartford	Pb	<	10	mg/kg
LJ-325	Garlic Powder	MD	West Hartford	Cd	<	15	mg/kg
LJ-325	Garlic Powder	MD	West Hartford	Pb	<	10	mg/kg
LJ-325	Garlic Powder	MD	West Hartford	Se	<	5	mg/kg
LJ-325	Garlic Powder	MD	West Hartford	Cu	<	16	mg/kg
LJ-325	Garlic Powder	MD	West Hartford	As	<	10	mg/kg
LJ-325	Garlic Powder	MD	West Hartford	Hg	<	10	mg/kg
LJ-326	Ground Mustard	MD	West Hartford	Cd	<	15	mg/kg
LJ-326	Ground Mustard	MD	West Hartford	Cu	<	16	mg/kg
LJ-326	Ground Mustard	MD	West Hartford	Hg	<	10	mg/kg
LJ-326	Ground Mustard	MD	West Hartford	As	<	10	mg/kg
LJ-326	Ground Mustard	MD	West Hartford	Se	<	5	mg/kg
LJ-326	Ground Mustard	MD	West Hartford	Pb	<	10	mg/kg
LJ-327	Ground Ginger	MD	West Hartford	Hg	<	10	mg/kg
LJ-327	Ground Ginger	MD	West Hartford	Pb	<	10	mg/kg
LJ-327	Ground Ginger	MD	West Hartford	As	<	10	mg/kg
LJ-327	Ground Ginger	MD	West Hartford	Cu	<	16	mg/kg
LJ-327	Ground Ginger	MD	West Hartford	Cd	<	15	mg/kg
LJ-327	Ground Ginger	MD	West Hartford	Se	<	5	mg/kg
LJ-328	Basil Leaves	MA	West Hartford	Cd	<	15	mg/kg
LJ-328	Basil Leaves	MA	West Hartford	Cu	=	33	mg/kg
LJ-328	Basil Leaves	MA	West Hartford	Hg	<	10	mg/kg
LJ-328	Basil Leaves	MA	West Hartford	As	<	10	mg/kg
LJ-328	Basil Leaves	MA	West Hartford	Se	<	5	mg/kg
LJ-328	Basil Leaves	MA	West Hartford	Pb	<	10	mg/kg
LJ-366	Parsely Flakes	MD	Vernon	Cd	<	15	mg/kg
LJ-366	Parsely Flakes	MD	Vernon	Pb	<	10	mg/kg

Sample ID	Commodity	Source	Town Collected	Analyte	Amount	Unit
LJ-366	Parsely Flakes	MD	Vernon	Se	< 5	mg/kg
LJ-366	Parsely Flakes	MD	Vernon	Cu	= 16	mg/kg
LJ-366	Parsely Flakes	MD	Vernon	As	< 10	mg/kg
LJ-366	Parsely Flakes	MD	Vernon	Hg	< 10	mg/kg
LJ-367	Rosemary Leaves	MD	Vernon	Cd	< 15	mg/kg
LJ-367	Rosemary Leaves	MD	Vernon	Cu	= 55	mg/kg
LJ-367	Rosemary Leaves	MD	Vernon	Hg	< 10	mg/kg
LJ-367	Rosemary Leaves	MD	Vernon	As	< 10	mg/kg
LJ-367	Rosemary Leaves	MD	Vernon	Se	< 5	mg/kg
LJ-367	Rosemary Leaves	MD	Vernon	Pb	< 10	mg/kg
LJ-368	Oregano Leaves	MD	Vernon	Cd	< 15	mg/kg
LJ-368	Oregano Leaves	MD	Vernon	Pb	< 10	mg/kg
LJ-368	Oregano Leaves	MD	Vernon	Se	< 5	mg/kg
LJ-368	Oregano Leaves	MD	Vernon	As	< 10	mg/kg
LJ-368	Oregano Leaves	MD	Vernon	Cu	= 42	mg/kg
LJ-368	Oregano Leaves	MD	Vernon	Hg	< 10	mg/kg
LJ-369	Cilantro Leaves	MD	Vernon	Pb	< 10	mg/kg
LJ-369	Cilantro Leaves	MD	Vernon	Cd	< 15	mg/kg
LJ-369	Cilantro Leaves	MD	Vernon	Cu	= 26	mg/kg
LJ-369	Cilantro Leaves	MD	Vernon	Hg	< 10	mg/kg
LJ-369	Cilantro Leaves	MD	Vernon	Se	< 5	mg/kg
LJ-369	Cilantro Leaves	MD	Vernon	As	< 10	mg/kg
LJ-370	Paprika	MD	Vernon	Cd	< 15	mg/kg
LJ-370	Paprika	MD	Vernon	Cu	= 24	mg/kg
LJ-370	Paprika	MD	Vernon	Hg	< 10	mg/kg
LJ-370	Paprika	MD	Vernon	As	< 10	mg/kg
LJ-370	Paprika	MD	Vernon	Se	< 5	mg/kg
LJ-370	Paprika	MD	Vernon	Pb	< 10	mg/kg
MM-3	Annie's Orangic Cocoa Bunnies Cereal	CA	Newington	Pb	= 79	µg/kg
MM-3	Annie's Orangic Cocoa Bunnies Cereal	CA	Newington	As	= 42	µg/kg
MM-3	Annie's Orangic Cocoa Bunnies Cereal	CA	Newington	Cd	= 46	µg/kg
MM-3	Annie's Orangic Cocoa Bunnies Cereal	CA	Newington	Hg	< 2	µg/kg
MM-3	Annie's Orangic Cocoa Bunnies Cereal	CA	Newington	Cr	= 527	µg/kg
MM-4	Monster Mash Cereal			Pb	< 20	µg/kg

Sample ID	Commodity	Source	Town Collected	Analyte		Amount	Unit
MM-4	Monster Mash Cereal			Hg	<	2	µg/kg
MM-4	Monster Mash Cereal			Cr	=	182	µg/kg
MM-4	Monster Mash Cereal			Cd	<	20	µg/kg
MM-4	Monster Mash Cereal			As	<	20	µg/kg
MM-5	All Natural White Distilled Vinegar	PA	Newington	Pb	<	2.5	µg/kg
MM-5	All Natural White Distilled Vinegar	PA	Newington	Cd	<	2.5	µg/kg
MM-5	All Natural White Distilled Vinegar	PA	Newington	As	<	2.5	µg/kg
MM-6	Ginger Citrus Seasoning		Newington	Pb	<	15	mg/kg
MM-7	New England Bay Seasoning		Newington	Pb	<	15	mg/kg
KH-170	Multigrain Cheerios	MN	Watertown	Pb	=	30	µg/kg
KH-170	Multigrain Cheerios	MN	Watertown	As	=	32	µg/kg
KH-170	Multigrain Cheerios	MN	Watertown	Hg	<	2	µg/kg
KH-170	Multigrain Cheerios	MN	Watertown	Cr	=	134	µg/kg
KH-170	Multigrain Cheerios	MN	Watertown	Cd	<	20	µg/kg
KH-171	Cheerios Oat Crunch Almond	MN	Watertown	Pb	<	20	µg/kg
KH-171	Cheerios Oat Crunch Almond	MN	Watertown	Hg	<	2	µg/kg
KH-171	Cheerios Oat Crunch Almond	MN	Watertown	Cr	=	84	µg/kg
KH-171	Cheerios Oat Crunch Almond	MN	Watertown	Cd	<	20	µg/kg
KH-171	Cheerios Oat Crunch Almond	MN	Watertown	As	=	25	µg/kg
KH-172	Blueberry Cheerios	MN	Watertown	Cr	=	186	µg/kg
KH-172	Blueberry Cheerios	MN	Watertown	Cd	<	20	µg/kg
KH-172	Blueberry Cheerios	MN	Watertown	Hg	<	2	µg/kg
KH-172	Blueberry Cheerios	MN	Watertown	Pb	<	20	µg/kg
KH-172	Blueberry Cheerios	MN	Watertown	As	=	24	µg/kg
KH-173	Corn Chex	MN	Watertown	Pb	<	20	µg/kg
KH-173	Corn Chex	MN	Watertown	Hg	<	2	µg/kg
KH-173	Corn Chex	MN	Watertown	Cr	=	599	µg/kg
KH-173	Corn Chex	MN	Watertown	Cd	<	20	µg/kg
KH-173	Corn Chex	MN	Watertown	As	<	20	µg/kg
KH-174	Honey Nut Cheerios	MN	Watertown	As	=	23	µg/kg
KH-174	Honey Nut Cheerios	MN	Watertown	Hg	<	2	µg/kg
KH-174	Honey Nut Cheerios	MN	Watertown	Cr	=	102	µg/kg
KH-174	Honey Nut Cheerios	MN	Watertown	Cd	<	20	µg/kg

Sample ID	Commodity	Source	Town Collected	Analyte		Amount	Unit
KH-174	Honey Nut Cheerios	MN	Watertown	Pb	<	20	µg/kg
KH-175	Organic apple cider vinegar	CA	Watertown	Cd	<	2.5	µg/kg
KH-175	Organic apple cider vinegar	CA	Watertown	Pb	<	2.5	µg/kg
KH-175	Organic apple cider vinegar	CA	Watertown	As	=	7.6	µg/kg
KH-176	Seasoned Gourmet Rice Vinegar	CA	Watertown	Cd	<	2.5	µg/kg
KH-176	Seasoned Gourmet Rice Vinegar	CA	Watertown	Pb	=	4.8	µg/kg
KH-176	Seasoned Gourmet Rice Vinegar	CA	Watertown	As	=	4.3	µg/kg
KH-177	Organic white wine vinegar	IL	Watertown	Pb	=	6.1	µg/kg
KH-177	Organic white wine vinegar	IL	Watertown	Cd	<	2.5	µg/kg
KH-177	Organic white wine vinegar	IL	Watertown	As	<	2.5	µg/kg
KH-178	Cilantro Leaves (dry)	MD	Watertown	Pb	<	15	mg/kg
KH-179	Lemon Pepper	MD	Watertown	Pb	<	15	mg/kg
KH-182	Russet Norkotah Idaho Potato	ID	Oxford	As	=	3.3	µg/kg
KH-182	Russet Norkotah Idaho Potato	ID	Oxford	Cd	=	91.3	µg/kg
KH-182	Russet Norkotah Idaho Potato	ID	Oxford	Pb	=	8.6	µg/kg
KH-187	Sweet potato	NC	Oxford	Pb	=	107.6	µg/kg
KH-187	Sweet potato	NC	Oxford	Cd	=	8.9	µg/kg
KH-187	Sweet potato	NC	Oxford	As	<	2.5	µg/kg
KH-188	Organic Paprika	IA	Oxford	Pb	<	15	mg/kg
KH-189	Organic turmeric	IL	Oxford	Pb	<	15	mg/kg
KH-195	Cayenne Pepper	NJ	Simsbury	Pb	<	15	mg/kg
KH-205	Gerber sweet potato with vitamin c baby food	MI	Middletown	Cd	=	4	µg/kg
KH-205	Gerber sweet potato with vitamin c baby food	MI	Middletown	As	<	2.5	µg/kg
KH-205	Gerber sweet potato with vitamin c baby food	MI	Middletown	Pb	=	17.6	µg/kg
KH-206	Gerber apple with vitamin C baby food	MI	Middletown	Cd	<	2.5	µg/kg
KH-206	Gerber apple with vitamin C baby food	MI	Middletown	As	<	2.5	µg/kg
KH-206	Gerber apple with vitamin C baby food	MI	Middletown	Pb	<	2.5	µg/kg
KH-207	Gerber organic carrot baby food	MI	Middletown	As	<	2.5	µg/kg

Sample ID	Commodity	Source	Town Collected	Analyte		Amount	Unit
KH-207	Gerber organic carrot baby food	MI	Middletown	Pb	<	2.5	µg/kg
KH-207	Gerber organic carrot baby food	MI	Middletown	Cd	<	2.5	µg/kg
KH-208	Gerber organic pea baby food	MI	Middletown	As	<	2.5	µg/kg
KH-208	Gerber organic pea baby food	MI	Middletown	Pb	<	2.5	µg/kg
KH-208	Gerber organic pea baby food	MI	Middletown	Cd	<	2.5	µg/kg
MM-11	Black Radish	NJ	Middletown	Cd	=	10.5	µg/kg
MM-11	Black Radish	NJ	Middletown	As	=	5.7	µg/kg
MM-11	Black Radish	NJ	Middletown	Pb	<	2.5	µg/kg
MM-14	Gerber Peach	MI	Middletown	As	<	2.5	µg/kg
MM-14	Gerber Peach	MI	Middletown	Pb	<	2.5	µg/kg
MM-14	Gerber Peach	MI	Middletown	Cd	<	2.5	µg/kg
MM-15	Beet		Middletown	Pb	=	5.3	µg/kg
MM-15	Beet		Middletown	As	<	2.5	µg/kg
MM-15	Beet		Middletown	Cd	=	17.2	µg/kg
MM-16	Fresh Parsnips	MI	Middletown	As	=	6.5	µg/kg
MM-16	Fresh Parsnips	MI	Middletown	Pb	<	2.5	µg/kg
MM-16	Fresh Parsnips	MI	Middletown	Cd	=	15.2	µg/kg
KH-209	Kellogg's Rice Krispies cereal	MI	Bloomfield	Cr	=	134	µg/kg
KH-209	Kellogg's Rice Krispies cereal	MI	Bloomfield	Hg	=	3.6	µg/kg
KH-209	Kellogg's Rice Krispies cereal	MI	Bloomfield	Pb	<	20	µg/kg
KH-209	Kellogg's Rice Krispies cereal	MI	Bloomfield	Cd	=	29	µg/kg
KH-209	Kellogg's Rice Krispies cereal	MI	Bloomfield	As	=	121	µg/kg
KH-209	Kellogg's Rice Krispies cereal	MI	Bloomfield	Inorganic Arsenic (iAs)	=	85	µg/kg
KH-210	Stop & Shop Crispy Rice cereal	MD	Bloomfield	Inorganic Arsenic (iAs)	=	116	µg/kg
KH-210	Stop & Shop Crispy Rice cereal	MD	Bloomfield	Cd	<	20	µg/kg
KH-210	Stop & Shop Crispy Rice cereal	MD	Bloomfield	Cr	=	215	µg/kg
KH-210	Stop & Shop Crispy Rice cereal	MD	Bloomfield	Hg	=	4.9	µg/kg
KH-210	Stop & Shop Crispy Rice cereal	MD	Bloomfield	As	=	180	µg/kg
KH-210	Stop & Shop Crispy Rice cereal	MD	Bloomfield	Pb	=	22	µg/kg

Sample ID	Commodity	Source	Town Collected	Analyte	Amount	Unit
KH-212	Ground mustard	MD	Bloomfield	Pb	<	15 mg/kg
KH-213	Curry	CA	Bloomfield	Pb	<	15 mg/kg
KH-214	Chipotle chili pepper	MD	Bloomfield	Pb	<	15 mg/kg
MM-18	Stop & Shop Puffed Rice Cereal	MD	Bloomfield	As	=	180 µg/kg
MM-18	Stop & Shop Puffed Rice Cereal	MD	Bloomfield	Pb	<	20 µg/kg
MM-18	Stop & Shop Puffed Rice Cereal	MD	Bloomfield	Cd	<	20 µg/kg
MM-18	Stop & Shop Puffed Rice Cereal	MD	Bloomfield	Cr	=	42 µg/kg
MM-18	Stop & Shop Puffed Rice Cereal	MD	Bloomfield	Inorganic Arsenic (iAs)	=	80 µg/kg
MM-18	Stop & Shop Puffed Rice Cereal	MD	Bloomfield	Hg	=	3 µg/kg
MM-19	Chex Rice Cereal	MN	Bloomfield	Hg	<	2.5 µg/kg
MM-19	Chex Rice Cereal	MN	Bloomfield	Inorganic Arsenic (iAs)	=	128 µg/kg
MM-19	Chex Rice Cereal	MN	Bloomfield	Pb	<	20 µg/kg
MM-19	Chex Rice Cereal	MN	Bloomfield	Cr	=	664 µg/kg
MM-19	Chex Rice Cereal	MN	Bloomfield	Cd	<	20 µg/kg
MM-19	Chex Rice Cereal	MN	Bloomfield	As	=	167 µg/kg
MM-20	McCormick Organic Ground Turmeric	MI	Bloomfield	Pb	<	15 mg/kg
MM-21	Stop & Shop Paprika	MD	Bloomfield	Pb	<	15 mg/kg
MM-22	Chex Wheat Cereal	MN	Bloomfield	Pb	<	20 µg/kg
MM-22	Chex Wheat Cereal	MN	Bloomfield	As	<	20 µg/kg
MM-22	Chex Wheat Cereal	MN	Bloomfield	Hg	<	2.5 µg/kg
MM-22	Chex Wheat Cereal	MN	Bloomfield	Cd	=	45 µg/kg
MM-22	Chex Wheat Cereal	MN	Bloomfield	Cr	=	138 µg/kg
MM-25	Vermont Village Turmeric & Honey Apple Cider Vinegar	VT	Branford	As	<	2 µg/kg
MM-25	Vermont Village Turmeric & Honey Apple Cider Vinegar	VT	Branford	Cd	<	2 µg/kg
MM-25	Vermont Village Turmeric & Honey Apple Cider Vinegar	VT	Branford	Pb	<	2 µg/kg
MM-26	Great Value Apple Cider Vinegar	AR	Branford	Cd	<	2 µg/kg
MM-26	Great Value Apple Cider Vinegar	AR	Branford	Pb	=	11 µg/kg
MM-26	Great Value Apple Cider Vinegar	AR	Branford	As	=	7.1 µg/kg

Sample ID	Commodity	Source	Town Collected	Analyte		Amount	Unit
MM-27	Organic Balsamic Vinegar of Modena	CT	Branford	Pb	=	33	µg/kg
MM-27	Organic Balsamic Vinegar of Modena	CT	Branford	Cd	<	2	µg/kg
MM-27	Organic Balsamic Vinegar of Modena	CT	Branford	As	=	9.1	µg/kg
MM-31	Radishes	FL	New Haven	Pb	<	2.5	µg/kg
MM-31	Radishes	FL	New Haven	As	<	2.5	µg/kg
MM-31	Radishes	FL	New Haven	Cd	<	2.5	µg/kg
MM-33	Sweet Onions	NJ	New Haven	As	=	3.8	µg/kg
MM-33	Sweet Onions	NJ	New Haven	Pb	<	2.5	µg/kg
MM-33	Sweet Onions	NJ	New Haven	Cd	=	28	µg/kg
MM-35	Organic Whole Carrots	AR	New Haven	Pb	=	4	µg/kg
MM-35	Organic Whole Carrots	AR	New Haven	Cd	=	24	µg/kg
MM-35	Organic Whole Carrots	AR	New Haven	As	=	11	µg/kg
MM-37	Organic Broccoli	AR	New Haven	Cd	=	173	µg/kg
MM-37	Organic Broccoli	AR	New Haven	Pb	<	2.5	µg/kg
MM-37	Organic Broccoli	AR	New Haven	As	<	2.5	µg/kg
MM-39	Malanga	FL	New Haven	Pb	<	2.5	µg/kg
MM-39	Malanga	FL	New Haven	As	<	2.5	µg/kg
MM-39	Malanga	FL	New Haven	Cd	<	2.5	µg/kg
MM-42	General Mills Frosted Cheerios	MN	New Haven	Cd	=	19	µg/kg
MM-42	General Mills Frosted Cheerios	MN	New Haven	Pb	<	20	µg/kg
MM-42	General Mills Frosted Cheerios	MN	New Haven	Hg	<	2.5	µg/kg
MM-42	General Mills Frosted Cheerios	MN	New Haven	As	=	24	µg/kg
MM-42	General Mills Frosted Cheerios	MN	New Haven	Cr	=	94	µg/kg
MM-43	Great Value Rice Crisps	AR	New Haven	Inorganic Arsenic (iAs)	=	134	µg/kg
MM-43	Great Value Rice Crisps	AR	New Haven	Cr	=	87	µg/kg
MM-43	Great Value Rice Crisps	AR	New Haven	Hg	=	3.2	µg/kg
MM-43	Great Value Rice Crisps	AR	New Haven	Pb	<	20	µg/kg
MM-43	Great Value Rice Crisps	AR	New Haven	Cd	=	19	µg/kg
MM-43	Great Value Rice Crisps	AR	New Haven	As	=	211	µg/kg
MM-45	Organic Beets	CA	New Haven	Cd	=	22	µg/kg
MM-45	Organic Beets	CA	New Haven	Pb	=	5.9	µg/kg
MM-45	Organic Beets	CA	New Haven	As	<	2.5	µg/kg

Sample ID	Commodity	Source	Town Collected	Analyte		Amount	Unit
MM-50	Beech-Nut Apple	NY	New Haven	Pb	<	2.5	µg/kg
MM-50	Beech-Nut Apple	NY	New Haven	As	<	2.5	µg/kg
MM-50	Beech-Nut Apple	NY	New Haven	Cd	<	2.5	µg/kg
MM-51	Beech-Nut Banana	NY	New Haven	Pb	<	2.5	µg/kg
MM-51	Beech-Nut Banana	NY	New Haven	Cd	<	2.5	µg/kg
MM-51	Beech-Nut Banana	NY	New Haven	As	<	2.5	µg/kg
MM-52	Beech-Nut Sweet Carrots	NY	New Haven	As	<	2.5	µg/kg
MM-52	Beech-Nut Sweet Carrots	NY	New Haven	Pb	=	3.2	µg/kg
MM-52	Beech-Nut Sweet Carrots	NY	New Haven	Cd	=	5.5	µg/kg
MM-53	Beech-Nut Sweet Potato	NY	New Haven	Cd	<	2.5	µg/kg
MM-53	Beech-Nut Sweet Potato	NY	New Haven	Pb	<	2.5	µg/kg
MM-53	Beech-Nut Sweet Potato	NY	New Haven	As	<	2.5	µg/kg
MM-54	Beech-Nut Squash	NY	New Haven	As	=	4	µg/kg
MM-54	Beech-Nut Squash	NY	New Haven	Pb	=	7.6	µg/kg
MM-54	Beech-Nut Squash	NY	New Haven	Cd	<	2.5	µg/kg
MM-61	Uncle Sam Cereal	MN		As	<	20	µg/kg
MM-61	Uncle Sam Cereal	MN		Cr	=	85.4	µg/kg
MM-61	Uncle Sam Cereal	MN		Hg	<	2	µg/kg
MM-61	Uncle Sam Cereal	MN		Pb	<	20	µg/kg
MM-61	Uncle Sam Cereal	MN		Cd	=	130.7	µg/kg

* The US FDA has established an action level of 100 µg/kg of inorganic arsenic in rice.

** The US FDA has proposed an action level of 10 µg/kg of inorganic arsenic in apple juice. The reported value under “As” includes organic & inorganic arsenic. Some samples were speciated for inorganic arsenic.

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