

Metals Concentration in Fertilizer Sampled by WSDA

Aquarium Co-Op LLC	Sample ID #	Sample Date
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Easy Green Liquid Fertilizer / 2.66-0.46-9.2

FT-32-0024-24

05/23/2024

Measured in PPM

Arsenic	0.139
Cadmium	2.13
Cobalt	<0.28
Mercury	<0.015
Molybdenum	15.8
Nickel	0.370
Lead	<1.4
Selenium	<0.069
Zinc	85.8

Easy Root Tabs / 2.49-1.59-9.98

FT-32-0025-24

05/23/2024

Measured in PPM

Arsenic	11.2
Cadmium	2.09
Cobalt	7.29
Mercury	0.0390
Molybdenum	118
Nickel	8.50
Lead	7.96
Selenium	0.0888
Zinc	151

Bio-Gro Inc	Sample ID #	Sample Date
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NUE 6-12-2 Potato Foliar / 6-12-2

FT-32-0002-23

10/17/2023

Measured in PPM

Arsenic	4.79
Cadmium	0.463
Cobalt	0.717
Mercury	<0.015
Molybdenum	<0.6
Nickel	0.924
Lead	<1.4
Selenium	0.0917
Zinc	1390

Cameron Chemicals Inc		Sample ID #	Sample Date
Granular Manganese Sulfate Monohydrate / 0-0-0		FT-03-0082-24	08/20/2024
Measured in PPM			
Arsenic	2.38		
Cadmium	3.98		
Cobalt	314		
Mercury	<0.015		
Molybdenum	1.06		
Nickel	251		
Lead	28.3		
Selenium	0.172		
Zinc	792		
Granular Zinc Sulfate Monohydrate / 0-0-0		FT-32-0026-24	05/23/2024
Measured in PPM			
Arsenic	3.18		
Cadmium	4.56		
Cobalt	8.39		
Mercury	0.125		
Molybdenum	165		
Nickel	127		
Lead	40.9		
Selenium	0.532		
Zinc	374000		
Micronutrients 50% Iron / 0-0-0		FT-32-0032-24	05/23/2024
Measured in PPM			
Arsenic	16.5		
Cadmium	3.79		
Cobalt	53.7		
Mercury	6.43		
Molybdenum	133		
Nickel	658		
Lead	42.6		
Selenium	0.205		
Zinc	19800		

Measured in PPM

Arsenic	7.29
Cadmium	6.73
Cobalt	13.5
Mercury	3.48
Molybdenum	39.6
Nickel	244
Lead	26.8
Selenium	0.144
Zinc	33100

CHS Inc

Sample ID #

Sample Date

Trivar EZ / 0-0-0

FT-03-0089-24

09/25/2024

Measured in PPM

Arsenic	6.82
Cadmium	2.74
Cobalt	147
Mercury	0.742
Molybdenum	1200
Nickel	765
Lead	75.6
Selenium	1.16
Zinc	138000

Columbia River Carbonates

Sample ID #

Sample Date

Greens-Gypsum / 0-0-0

FT-32-0044-24

08/16/2024

Measured in PPM

Arsenic	0.885
Cadmium	2.21
Cobalt	2.30
Mercury	<0.015
Molybdenum	1.49
Nickel	2.52
Lead	11.1
Selenium	<0.069
Zinc	53.5

Prill - Gypsum / 0-0-0

FT-32-0052-24

10/01/2024

Measured in PPM

Arsenic	0.912
Cadmium	<0.5
Cobalt	<10
Mercury	<0.14
Molybdenum	1.75
Nickel	<10
Lead	10.6
Selenium	<0.14
Zinc	89.7

Prill - Gypsum / 0-0-0

FT-32-0042-24

08/16/2024

Measured in PPM

Arsenic	0.885
Cadmium	2.28
Cobalt	2.54
Mercury	<0.015
Molybdenum	1.61
Nickel	2.36
Lead	11.8
Selenium	<0.069
Zinc	107

Prill-Lime 90% CCE / 0-0-0

FT-32-0041-24

08/16/2024

Measured in PPM

Arsenic	1.02
Cadmium	2.16
Cobalt	0.456
Mercury	<0.015
Molybdenum	<0.6
Nickel	2.06
Lead	<1.4
Selenium	<0.069
Zinc	17.1

Measured in PPM

Arsenic	0.869
Cadmium	2.27
Cobalt	2.38
Mercury	<0.015
Molybdenum	1.65
Nickel	2.29
Lead	12.5
Selenium	0.0749
Zinc	54.0

Down To Earth Distributors Inc

Sample ID #

Sample Date

All Purpose / 4-6-2

FT-03-0047-24

06/24/2024

Measured in PPM

Arsenic	0.966
Cadmium	3.77
Cobalt	2.56
Mercury	0.0240
Molybdenum	8.46
Nickel	46.7
Lead	2.39
Selenium	1.03
Zinc	138

Easy Gardener Inc

Sample ID #

Sample Date

Fruit Tree Spikes / 8-11-11

FT-03-0066-24

07/11/2024

Measured in PPM

Arsenic	1.52
Cadmium	4.49
Cobalt	2.23
Mercury	0.0240
Molybdenum	1.40
Nickel	7.03
Lead	1.58
Selenium	0.370
Zinc	713

General Hydroponics		Sample ID #	Sample Date
MaxiBloom / 5-15-14		FT-03-0038-23	02/09/2023
Measured in PPM			
Arsenic	0.262		
Cadmium	0.144		
Cobalt	18.7		
Mercury	<0.015		
Molybdenum	18.3		
Nickel	1.18		
Lead	<1.4		
Selenium	<0.069		
Zinc	138		
Greenstar Plant Products Inc		Sample ID #	Sample Date
Monster Bloom / 0-50-30		FT-03-0016-24	01/02/2024
Measured in PPM			
Arsenic	0.384		
Cadmium	0.303		
Cobalt	<0.28		
Mercury	<0.015		
Molybdenum	0.690		
Nickel	1.23		
Lead	<1.4		
Selenium	<0.069		
Zinc	7.34		
Grow More Inc		Sample ID #	Sample Date
Hawaiian Bud & Bloom / 5-50-17		FT-03-0071-24	07/17/2024
Measured in PPM			
Arsenic	0.323		
Cadmium	2.14		
Cobalt	<0.28		
Mercury	<0.015		
Molybdenum	11.2		
Nickel	0.487		
Lead	<1.4		
Selenium	<0.069		
Zinc	771		

J R Simplot Company		Sample ID #	Sample Date
Monoammonium Phosphate / 11-52-0		FT-32-0028-24	05/23/2024
Measured in PPM			
Arsenic	21.5		
Cadmium	171		
Cobalt	4.52		
Mercury	<0.015		
Molybdenum	30.3		
Nickel	295		
Lead	4.87		
Selenium	0.336		
Zinc	2430		
Monoammonium Phosphate / 11-52-0		FT-03-0063-23	03/21/2023
Measured in PPM			
Arsenic	22.6		
Cadmium	142		
Cobalt	4.20		
Mercury	<0.015		
Molybdenum	29.3		
Nickel	265		
Lead	4.20		
Selenium	0.263		
Zinc	2170		
Monoammonium Phosphate / 11-52-0		FT-03-0062-23	03/21/2023
Measured in PPM			
Arsenic	20.9		
Cadmium	142		
Cobalt	4.17		
Mercury	<0.015		
Molybdenum	28.9		
Nickel	255		
Lead	4.22		
Selenium	0.254		
Zinc	2130		

JR Peters Inc		Sample ID #	Sample Date
All Purpose / 20-20-20		FT-03-0073-24	07/17/2024
Measured in PPM			
Arsenic	0.524		
Cadmium	2.07		
Cobalt	<0.28		
Mercury	<0.015		
Molybdenum	24.8		
Nickel	0.550		
Lead	<1.4		
Selenium	<0.069		
Zinc	567		

KSI		Sample ID #	Sample Date
G&B Organics Eden Valley Blend Paradise All Purpose Fertilizer / 5-5-5		FT-03-0062-24	07/11/2024
Measured in PPM			
Arsenic	0.208		
Cadmium	2.43		
Cobalt	0.491		
Mercury	<0.015		
Molybdenum	3.09		
Nickel	11.1		
Lead	<1.4		
Selenium	2.02		
Zinc	214		

Lilly Miller Brands		Sample ID #	Sample Date
All Purpose Planting & Growing Food / 10-10-10		FT-03-0070-24	07/17/2024
Measured in PPM			
Arsenic	4.30		
Cadmium	22.5		
Cobalt	2.62		
Mercury	<0.015		
Molybdenum	17.6		
Nickel	57.8		
Lead	2.30		
Selenium	0.760		
Zinc	1421		

Lotus Gardening Solutions		Sample ID #	Sample Date
Pro Series Bloom / 5-10-14		FT-03-0155-23	12/19/2023
Measured in PPM			
Arsenic	0.211		
Cadmium	0.176		
Cobalt	0.329		
Mercury	<0.015		
Molybdenum	<0.6		
Nickel	0.691		
Lead	<1.4		
Selenium	<0.069		
Zinc	259		
Loveland Products inc		Sample ID #	Sample Date
Boron Liquid 10% / 0-0-0		FT-03-0050-24	07/02/2024
Measured in PPM			
Arsenic	0.125		
Cadmium	1.86		
Cobalt	<0.28		
Mercury	<0.015		
Molybdenum	0.720		
Nickel	0.245		
Lead	<1.4		
Selenium	<0.069		
Zinc	261		
EDTA 9% Zinc / 6-0-0		FT-03-0039-24	06/04/2024
Measured in PPM			
Arsenic	<0.067		
Cadmium	2.33		
Cobalt	<0.28		
Mercury	0.0180		
Molybdenum	<0.6		
Nickel	0.238		
Lead	2.90		
Selenium	<0.069		
Zinc	94700		

Miracle-Gro Lawn Products Inc		Sample ID #	Sample Date
Water Soluble Bloom Booster Flower Food / 10-52-10		FT-03-0067-24	07/11/2024
Measured in PPM			
Arsenic	2.44		
Cadmium	2.12		
Cobalt	<0.28		
Mercury	<0.015		
Molybdenum	1.12		
Nickel	0.567		
Lead	<1.4		
Selenium	<0.069		
Zinc	10.4		

Mosaic Global Sales LLC		Sample ID #	Sample Date
Microessentials SZ / 12-40-0		FT-03-0078-23	03/29/2023
Measured in PPM			
Arsenic	11.0		
Cadmium	3.99		
Cobalt	3.33		
Mercury	0.0172		
Molybdenum	10.0		
Nickel	12.9		
Lead	3.25		
Selenium	0.118		
Zinc	9860		

Nutrien Ag Solutions		Sample ID #	Sample Date
0-0-21 K-Mag Premium / 0-0-21		FT-32-0051-24	10/01/2024
Measured in PPM			
Arsenic	0.437		
Cadmium	0.953		
Cobalt	<10		
Mercury	<0.14		
Molybdenum	4.99		
Nickel	20.6		
Lead	<1		
Selenium	<0.14		
Zinc	28.4		

Measured in PPM

Arsenic	<0.067
Cadmium	2.15
Cobalt	<0.28
Mercury	<0.015
Molybdenum	<0.6
Nickel	0.392
Lead	<1.4
Selenium	<0.069
Zinc	7.28

Measured in PPM

Arsenic	13.6
Cadmium	9.89
Cobalt	2.91
Mercury	<0.015
Molybdenum	8.54
Nickel	14.6
Lead	4.58
Selenium	0.132
Zinc	10000

Measured in PPM

Arsenic	<0.14
Cadmium	<0.5
Cobalt	<10
Mercury	0.856
Molybdenum	<1.0
Nickel	<10
Lead	<1
Selenium	<0.14
Zinc	22.9

Measured in PPM

Arsenic
Cadmium
Cobalt
Mercury
Molybdenum
Nickel
Lead
Selenium
Zinc

Measured in PPM

Arsenic	<0.067
Cadmium	2.13
Cobalt	<0.28
Mercury	<0.015
Molybdenum	<0.6
Nickel	0.367
Lead	<1.4
Selenium	<0.069
Zinc	7.35

Nutrien US LLC	Sample ID #	Sample Date
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Measured in PPM

Arsenic	<0.067
Cadmium	2.12
Cobalt	<0.28
Mercury	<0.015
Molybdenum	<0.6
Nickel	0.370
Lead	<1.4
Selenium	<0.069
Zinc	18.8

Nutrient Technologies Inc		Sample ID #	Sample Date
Mg / 0-10-0		FT-03-0046-24	06/24/2024
Measured in PPM			
Arsenic	0.285		
Cadmium	3.02		
Cobalt	<0.28		
Mercury	<0.015		
Molybdenum	<0.6		
Nickel	1.87		
Lead	1.54		
Selenium	<0.069		
Zinc	9680		
Pacific Calcium Inc		Sample ID #	Sample Date
Calpril / 0-0-0		FT-32-0050-24	10/01/2024
Measured in PPM			
Arsenic	1.66		
Cadmium	<0.5		
Cobalt	<10		
Mercury	<0.14		
Molybdenum	2.75		
Nickel	12.0		
Lead	1.42		
Selenium	<0.14		
Zinc	79.8		
Dolopril / 0-0-0		FT-32-0055-24	10/01/2024
Measured in PPM			
Arsenic	2.54		
Cadmium	<0.5		
Cobalt	<10		
Mercury	<0.14		
Molybdenum	8.22		
Nickel	39.6		
Lead	6.47		
Selenium	<0.14		
Zinc	66.8		

Richlawn Turf Food LLC		Sample ID #	Sample Date
Pro-Rich / 14-2-5		FT-03-0045-24	06/05/2024
Measured in PPM			
Arsenic	2.01		
Cadmium	2.50		
Cobalt	4.79		
Mercury	<0.015		
Molybdenum	5.64		
Nickel	9.95		
Lead	2.19		
Selenium	0.487		
Zinc	266		

SBM Life Science Corporation		Sample ID #	Sample Date
2 In 1 Systemic Rose & Flower Care Ready To Use Granules II / 6-9-6		FT-03-0064-24	07/11/2024
Measured in PPM			
Arsenic	4.34		
Cadmium	3.58		
Cobalt	1.29		
Mercury	<0.015		
Molybdenum	5.52		
Nickel	20.1		
Lead	1.99		
Selenium	<0.069		
Zinc	33.4		

SimplyGro LLC		Sample ID #	Sample Date
NH054 Bloom / 0-5-4		FT-03-0026-24	01/02/2024
Measured in PPM			
Arsenic	0.0790		
Cadmium	0.267		
Cobalt	<0.28		
Mercury	<0.015		
Molybdenum	<0.6		
Nickel	0.716		
Lead	<1.4		
Selenium	<0.069		
Zinc	15.5		

Skagit Farmers Supply		Sample ID #	Sample Date
10-20-20 / 10-20-20		FT-03-0061-24	07/11/2024
Measured in PPM			
Arsenic	6.20		
Cadmium	60.8		
Cobalt	1.73		
Mercury	0.0900		
Molybdenum	7.30		
Nickel	71.6		
Lead	1.83		
Selenium	0.354		
Zinc	1040		
Two Rivers Terminal - Pasco WA - Glade Rd		Sample ID #	Sample Date
11-52-0 Monoammonium Phosphate / 11-52-0		FT-03-0083-24	08/20/2024
Measured in PPM			
Arsenic	13.6		
Cadmium	155		
Cobalt	2.78		
Mercury	<0.015		
Molybdenum	23.8		
Nickel	178		
Lead	2.79		
Selenium	1.13		
Zinc	2810		
Dry Phosphate Fertilizer / 12-35-0		FT-03-0061-23	03/21/2023
Measured in PPM			
Arsenic	10.8		
Cadmium	6.58		
Cobalt	3.65		
Mercury	0.0170		
Molybdenum	1.68		
Nickel	23.0		
Lead	<1.4		
Selenium	0.117		
Zinc	7220		

Ultra Yield Micronutrients	Sample ID #	Sample Date
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35.5% Zinc-Granular with Sulfur / 0-0-0

FT-03-0057-23

02/16/2023

Measured in PPM

Arsenic	0.101
Cadmium	3.05
Cobalt	5.44
Mercury	<0.015
Molybdenum	<0.6
Nickel	13.4
Lead	5.38
Selenium	<0.069
Zinc	371000

35.5% Zinc-Granular with Sulfur / 0-0-0

FT-03-0079-24

08/20/2024

Measured in PPM

Arsenic	0.129
Cadmium	2.32
Cobalt	0.434
Mercury	<0.015
Molybdenum	<0.6
Nickel	23.7
Lead	26.2
Selenium	<0.069
Zinc	366000

Valley Agronomics LLC	Sample ID #	Sample Date
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10-20-20 / 10-20-20

FT-32-0065-24

10/29/2024

Measured in PPM

Arsenic	6.33
Cadmium	54.0
Cobalt	<10
Mercury	0.154
Molybdenum	7.33
Nickel	77.4
Lead	<1
Selenium	0.564
Zinc	2880

Measured in PPM

Arsenic	2.30
Cadmium	68.3
Cobalt	<0.28
Mercury	<0.015
Molybdenum	16.8
Nickel	0.369
Lead	<1.4
Selenium	0.107
Zinc	983

Measured in PPM

Arsenic	<0.14
Cadmium	<0.5
Cobalt	26.0
Mercury	0.174
Molybdenum	<1
Nickel	19.4
Lead	6.06
Selenium	<0.14
Zinc	1950

Measured in PPM

Arsenic	2.60
Cadmium	16.5
Cobalt	<10
Mercury	<0.14
Molybdenum	<5
Nickel	38.4
Lead	<1
Selenium	<0.14
Zinc	2360

Measured in PPM

Arsenic	<0.14
Cadmium	<0.5
Cobalt	<10
Mercury	<0.14
Molybdenum	<1
Nickel	<10
Lead	1.75
Selenium	<0.14
Zinc	582

Measured in PPM

Arsenic	1.83
Cadmium	15.6
Cobalt	<10
Mercury	0.277
Molybdenum	<5
Nickel	22.2
Lead	<1
Selenium	0.206
Zinc	3110

Measured in PPM

Arsenic	0.592
Cadmium	<0.5
Cobalt	<10
Mercury	<0.14
Molybdenum	<5
Nickel	<10
Lead	<1
Selenium	<0.14
Zinc	<20

25-0-10 Deep Green with 6% Iron And Duration / 25-0-10
Measured in PPM

FT-32-0071-24 10/29/2024

Arsenic	1.35
Cadmium	<0.5
Cobalt	<10
Mercury	<0.14
Molybdenum	5.93
Nickel	15.7
Lead	8.01
Selenium	<0.14
Zinc	1390

Escalade Weed & Feed / 19-0-6

FT-32-0073-24 10/29/2024

Measured in PPM

Arsenic	0.312
Cadmium	<0.5
Cobalt	<10
Mercury	<0.14
Molybdenum	<5
Nickel	<10
Lead	2.62
Selenium	<0.14
Zinc	83.8

Northwest Blend 16-16-16 All Purpose / 16-16-16

FT-32-0062-24 10/29/2024

Measured in PPM

Arsenic	6.73
Cadmium	42.9
Cobalt	<10
Mercury	0.145
Molybdenum	8.67
Nickel	80.8
Lead	<1
Selenium	0.148
Zinc	2520

Verdesian Life Sciences U.S. LLC		Sample ID #	Sample Date
Zinc / 2-0-0		FT-03-0074-23	03/29/2023
Measured in PPM			
Arsenic	2.61		
Cadmium	1.41		
Cobalt	36.8		
Mercury	0.0676		
Molybdenum	7.61		
Nickel	27.9		
Lead	12.7		
Selenium	0.340		
Zinc	110000		
Wilbur Ellis Company LLC		Sample ID #	Sample Date
24 / 0-24-0		FT-03-0048-24	07/01/2024
Measured in PPM			
Arsenic	0.101		
Cadmium	2.05		
Cobalt	<0.28		
Mercury	<0.015		
Molybdenum	1.03		
Nickel	0.734		
Lead	3.13		
Selenium	<0.069		
Zinc	124000		
Calcium / 0-0-0		FT-03-0049-24	07/01/2024
Measured in PPM			
Arsenic	<0.067		
Cadmium	1.95		
Cobalt	<0.28		
Mercury	<0.015		
Molybdenum	<0.6		
Nickel	<0.23		
Lead	<1.4		
Selenium	<0.069		
Zinc	3.08		

Measured in PPM

Arsenic	3.79
Cadmium	1.99
Cobalt	3.28
Mercury	<0.015
Molybdenum	1.55
Nickel	2.10
Lead	7.80
Selenium	<0.069
Zinc	39.5

Five Iron / 25-3-10

Measured in PPM

Arsenic	6.12
Cadmium	8.67
Cobalt	7.48
Mercury	<0.015
Molybdenum	2.14
Nickel	16.8
Lead	10.1
Selenium	0.160
Zinc	192

Long Distance / 25-0-12

Measured in PPM

Arsenic	5.41
Cadmium	1.97
Cobalt	7.14
Mercury	<0.015
Molybdenum	1.20
Nickel	10.0
Lead	11.3
Selenium	0.110
Zinc	1140

Measured in PPM

Arsenic	0.135
Cadmium	1.89
Cobalt	0.285
Mercury	<0.015
Molybdenum	0.744
Nickel	1.51
Lead	<1.4
Selenium	<0.069
Zinc	227

Summer Solstice / 24-0-8

Measured in PPM

Arsenic	0.559
Cadmium	1.89
Cobalt	0.366
Mercury	<0.015
Molybdenum	<0.6
Nickel	1.77
Lead	<1.4
Selenium	<0.069
Zinc	12.2

Triple Start / 16-16-16

Measured in PPM

Arsenic	4.78
Cadmium	45.1
Cobalt	1.46
Mercury	<0.015
Molybdenum	6.36
Nickel	53.9
Lead	<1.4
Selenium	0.439
Zinc	804

Measured in PPM

Arsenic	0.385
Cadmium	3.50
Cobalt	0.594
Mercury	<0.015
Molybdenum	3.81
Nickel	10.3
Lead	1.62
Selenium	0.916
Zinc	403

Measured in PPM

Arsenic	2.76
Cadmium	29.3
Cobalt	1.10
Mercury	<0.015
Molybdenum	4.22
Nickel	37.8
Lead	<1.4
Selenium	0.172
Zinc	535

Winfield Solutions LLC	Sample ID #	Sample Date
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Measured in PPM

Arsenic	0.0684
Cadmium	1.81
Cobalt	<0.28
Mercury	<0.015
Molybdenum	<0.6
Nickel	<0.23
Lead	<1.4
Selenium	<0.069
Zinc	56.7

Measured in PPM

Arsenic	<0.067
Cadmium	2.02
Cobalt	<0.28
Mercury	<0.015
Molybdenum	<0.6
Nickel	0.266
Lead	4.58
Selenium	<0.069
Zinc	90300

Wolfkill Feed & Fertilizer Corp

Sample ID #

Sample Date

Lawn Food with Moss Control / 12-0-4

FT-32-0033-24

05/23/2024

Measured in PPM

Arsenic	0.195
Cadmium	2.51
Cobalt	16.9
Mercury	0.276
Molybdenum	1.34
Nickel	16.1
Lead	4.70
Selenium	<0.069
Zinc	6940

Weed & Feed / 13-0-3

FT-32-0034-24

05/23/2024

Measured in PPM

Arsenic	0.683
Cadmium	2.37
Cobalt	0.623
Mercury	<0.015
Molybdenum	3.41
Nickel	8.02
Lead	1.41
Selenium	0.315
Zinc	215