

Descrip	Num	Cost**	Tests Available	Sample Size	Comments
PDRG	100	\$3	Plant- Drying/Grinding, REQUIRED FOR ALL SAMPLES SUBMITTED		
PMTES	105	\$18	Plant- Micro Trace Element Screen: Al, Cd, Cr, Co, Cu, Fe, Mn, Mo, Ni, Pb, Zn	30 g	1,2,3,4,5
PMES	106	\$15	Plant-Macro Element Screen: Na, K, Ca, Mg, P, S	30 g	1,2,3,4,5
PNAN	107	\$8	Plant -Nitrogen-Ammonia, Nitrate: NH ₃ , NO ₃	5 g	1,2,3,4,5
PNNN	108	\$5	Plant-Nitrogen -Nitrate, Nitrite: NO ₃ , NO ₂	5 g	1,3,3,4,5
PCHN	109	\$7	Plant-Percent Carbon, Hydrogen, Nitrogen	3 g	1,3,4,5
PPPP	110	\$7	Plant-Percent Protein	3 g	1,2,3
PB	111	\$12	Plant-Boron	10 g	1,3,4,5
PMCN	112	\$3	Plant- Moisture Content	100 g	1,
PA	113	\$3	Plant-Percent Ash	100 g	1
PCAS	114	\$100	Plant-Carbamate Insecticide Multi-Residue Screen	1 kg	1,3,6,7,8
PCAC	115	\$100	Plant-Carbamate Insecticide Confirmation	1 kg	1,3,7,8
POCS	116	\$100	Plant-Organochlorine Insecticide Multi-Residue Screen	1 kg	1,3,7,8
POCC	117	\$100	Plant-Organochlorine Insecticide Confirmation	1 kg	1,3,7,8
POPS	118	\$100	Plant-Organophosphate Insecticide Multi-Residue Screen	1 kg	1,3,7,8
POPC	119	\$100	Plant-Organophosphate Insecticide Confirmation	1 kg	1,3,8
PSAR	120	per hour	Special Analysis By Request \$27 - \$10/instrument hr, \$20/analyst hour, plus consumables.	by request	1,3,6,7,8,9

Sample Size

454 g = 1 lb

1 kg = 1000 g

1 kg = 2.2 lb

1 kg = approx. 1 quart

Explanation of Comments

1. Drying and grinding required.
2. Avoid metal containers.
3. Insufficient sample size will result in lower quality data.
4. Wrap sample such that mold will not grow.
5. High Moisture content samples will require larger amounts.
6. A confirmation of screen positive samples is required.
7. This analysis may take several weeks to complete.
8. Consult laboratory director before submission.
9. A variety of trace elements, toxic substances and organic compounds can be tested.

Samples will be discarded one month after date of final report, unless otherwise requested.

All samples classified as hazardous waste will be returned to the submitter after analysis.

what about providing us with clean bags, bottles gloves, etc.

Descri			Tests Available	Sample Size	Comments
WCDT			ductance	50 ml	1,2
WHDS			rdness (CaCO3)	50 ml	1,2,3
WPH				50 ml	1,2,3
WRSD			idue	100 ml	1,2,3
WTRB			idity	100 ml	1,2,3,4
WDMS	109	\$25	Water-Dissolved Metal Screen-Al, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Mn, Mo, Ni, Ag, V, Zn, Mg, K, Na	50 ml	1,2,4
WTMS	110	\$32	Water-Total Recoverable Metal Screen-metals same as listed above	100 ml	1,2,4
WAS	111	\$38	Water-Arsenic	50 ml	1,2,4
WCD	112	\$32	Water-Cadmium	50 ml	1,2,4
WCA	113	\$32	Water-Calcium	50 ml	1,2,4
WCR	114	\$32	Water-Chromium	50 ml	1,2,4
WPB	115	\$38	Water-Lead	50 ml	1,2,4
WHG	116	\$38	Water-Mercury	50 ml	1,2,4
WMO	117	\$32	Water-Molybdenum	50 ml	1,2,4
WNI	118	\$32	Water-Nickel	50 ml	1,2,4
WSE	120	\$38	Water-Selenium	50 ml	1,2,3
WAG	121	\$32	Water-Silver	50 ml	1,2,4
WSN	122	\$32	Water-Tin	50 ml	1,2,4
WV	123	\$32	Water-Vanadium	50 ml	1,2,4
WALK	124	\$9	Water-Alkalinity, HCO3, CO3	100 ml	1,2,3
WCY	125	\$38	Water-Cyanide	100 ml	1,2,3
WF	126	\$12	Water-Flouride	50 ml	1,2,4
WNAN	127	\$8	Water-Nitrogen-Ammonia/Nitrate/Nitrite	30 ml	1,2,4
WNNN	128	\$5	Water-Nitrogen-Nitrate/Nitrite	30 ml	1,2,4
WKN	129	\$23	Water-Kjeldahl Nitrogen	100 ml	1,2,4
WKP	130	\$23	Water-Kjeldahl Phosphorus	100 ml	1,2,4
WTP	131	\$15	Water-Total Phosphorus	100 ml	1,2,4
WOP	132	\$7	Water-Ortho Phosphorus	100 ml	1,2,4
WS	133	\$5	Water-Sulfate	100 ml	1,2,3
WCL	134	\$9	Water-Chloride	50 ml	1,2,4
WCAS	135	\$100	Water-Carbamate Insecticide Multi-Residue Screen	1 L	1,2,5,7,8,9
WCAC	136	\$100	Water-Carbamate Insecticide Confirmation	1 L	1,2,5,7,8,9
WOCS	137	\$100	Water-Organochlorine Insecticide Multi-Residue Screen	1 L	1,2,6,7,8,9
WOCC	138	\$100	Water-Organochlorine Insecticide Confirmation	1 L	1,2,6,7,8,9
WOPS	139	\$100	Water-Organophosphate Insecticide Multi-Residue Screen	1 L	1,2,6,7,8,9
WOPC	140	\$100	Water-Organophosphate Insecticide Confirmation	1 L	1,2,6,8
WSAR	141	per hour	Special Analysis By Request \$27-\$10/instrument hr, \$20/analyst hour, plus consumables.	by request	1,2,7,8,9,10

Sample Size
454 g = 1 lb
1 L = 1 quart
1L = 1000 ml
1kg = 2.2 lb
1 kg = approx. 1 quart

Explanation of Comments
1. Insufficient sample size will result in lower quality data.
2. Avoid metal containers, Use EPA approved containers.
3. Preservation required, consult laboratory director.
4. Needs EPA approved preservatives Sulfuric Acid.
5. Needs EPA approved preservative, monochloroacetic acid
6. Needs EPA approved preservative, Mercuric chloride.
7. A confirmation of screen positive samples is required.
8. This analysis may take several weeks to complete.
9. Consult laboratory director before submission.
10. A variety of trace elements, toxic substances and organic compounds can be tested.

Samples will be discarded one month after date of final report, unless otherwise requested.

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Descrip	Num	Cost**	Tests Available	Sample Size	Comments
SDRG	100	\$2	Soil-Drying/Grinding REQUIRED FOR ALL SAMPLES SUBMITTED		1
SSFT	105	\$24	Soil-Standard Fertility Test: drying, grinding, pH, P, K, NO ₃ , NH ₄ , organic matter	100 g	2,3
SEFT	106	\$34	Soil-Extended Standard Fertility Test: drying, grinding, pH, P, K, NO ₃ , NH ₄ SO ₄ , organic matter, Boron	150 g	2,3
SEXC	107	\$3	Soil-pH	300 g	1,3,
SSLC	108	\$3	Soil-NaF/pH	300 g	1,3
SMNS	109	\$3	Soil-Electrical Conductivity	300 g	1,3
SALK	110	\$3	Soil-Moisture Content	100 g	1,3
SAPK	111	\$7	Soil-Available Phosphorous Potassium	20 g	1,3
SCEC	112	\$14	Soil-Cation Exchange Capacity	30 g	1,3
SAMN	113	\$5	Soil-Nitrogen-Ammonium	30 g	1,3
SNAN	114	\$8	Soil Nitrogen-Ammonium, Nitrate	30 g	1,3
SNNN	115	\$5	Soil-Nitrogen -Nitrate, Nitrite	30 g	1,3
SMNA	116	\$7	Soil-Mineralizable Ammonium	30 g	1,3
SCHN	117	\$7	Soil-Percent Carbon, Hydrogen, Nitrogen	3 g	1,3
SOMH	118	\$6	Soil-Organic Matter-Titrimetric	10 g	1,3
SOML	119	\$4	Soil-Organic Matter-Colorimetric	10 g	1,3
SCL	121	\$9	Soil-Chloride	10 g	1,3
SB	122	\$5	Soil-Boron	60 g	1,3
SSOS	123	\$5	Soil-Sulfate Sulfur	75 g	1,3
SKAL	124	\$7	Soil-Aluminum-KCl	100 g	1,3
SPIS	125	\$28	Soil-Phosphorous Isotherm	1000 g	1,3
SPSD	126	\$7	Soil-Particle Size Distribution	200 g	1,3,4
SLRQ	127	\$3	Soil-Lime Requirement	100 g	1,3
SPH	128	\$15	Soil-Extractable Cations: Na, K, Ca, Mg	20 g	1,3
SFPH	129	\$15	Soil-Soluble Cations: Na, K, Ca, Mg	200 g	1,3
SELC	130	\$13	Soil-Micronutrient Screen: DTPA-Fe, Mn, Cu, Zn	60 g	1,3
SMCN	131	\$10	Soil-Alkalinity: HCO ₃ , CO ₃	200 g	1,3
SGRQ	132	-	Soil-Gypsum Requirement	250 g	1,3,6
STES	133	\$18	Soil-Trace Micro Element Screen-EPA Method 3050	100	1,3,4
SPPS	134	\$25	Soil-Particle Size Distribution-Pipet Method	100	2
SCPS	135	\$50	Soil-Particle Size Distribution-Coulter Counter Method	100	2
SBD	136	\$10	Soil-Bulk Density	100	2,5,12
SMR	137	\$10	Soil-Moisture Retention (per point)	100	2
SCAR	138	\$115	Soil-Carbamates	1 kg	1,3,7,8,11
SCH	139	\$115	Soil-Chlorinated Herbicides	1 kg	1,3,7,8,11
SOCP	140	\$129	Soil-Pesticides and PCB's	1 kg	1,3,7,8,11
SOPP	141	\$132	Soil-Organophosphorus Pesticides	1 kg	1,3,7,8,11
SSAR	142	per hour	Special Analysis By Request \$10-27/instrument hr, \$ 20/analyst hour, plus consumables	by request	1,3,8,9,10,11

Sample Size
454 g = 1 lb
1 kg = 1000 g
1 kg = 2.2 lb
1 kg = approx 1 quart

Explanation of Comments
1. Drying and grinding required.
2. Drying and grinding cost included.
3. High gravel content soils will require more sample.
4. Avoid metal containers.
5. Drying required.
6. Request soluble cations and cation exchange capacity.
7. A confirmation of screen positive samples is required.
8. This analysis may take several weeks to complete.
9. Consult laboratory director before submission.
10. A variety of trace elements, toxic substances and organic compounds can be tested.
11. Use EPA approved containers.
12. Prefer intact clods for analysis.

Samples will be discarded one month after date of final report, unless otherwise requested.
 All samples classified as hazardous waste will be returned to the submitter after analysis.