



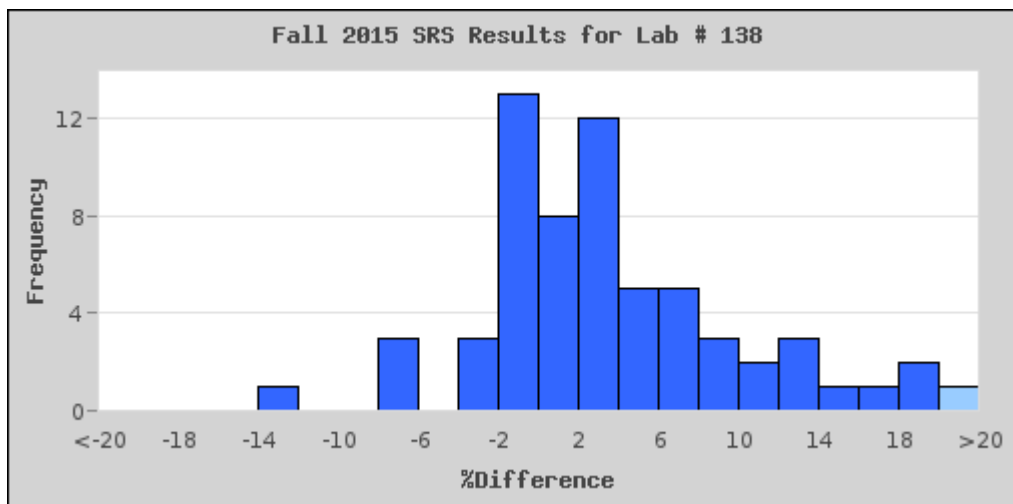
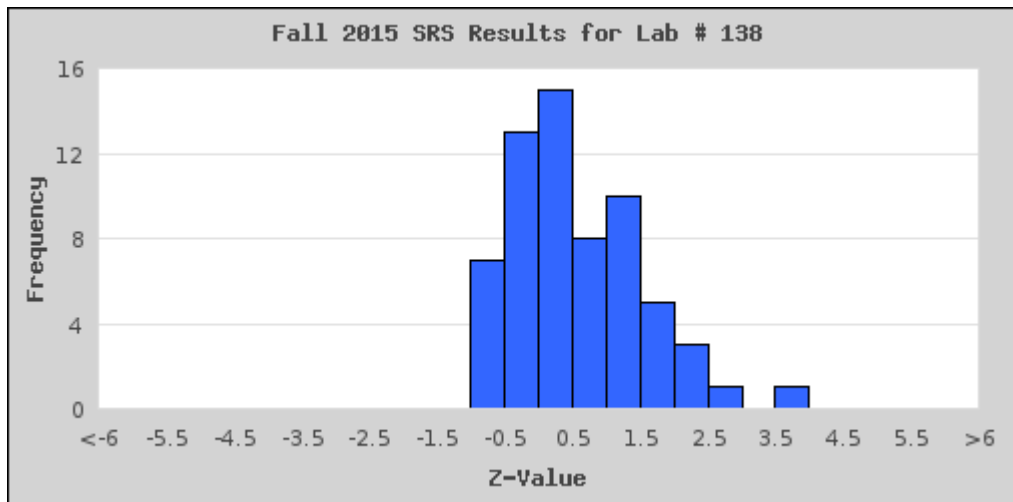
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Fall 2015 SRS Results for Lab # 138



Number of data points per sample	NUTRIENT (LOW)	NUTRIENT (HIGH)	MAJOR	TRACE	MERCURY	PRECIPITATION
	6	6	16	27	1	10

SRS	Analyte	Method	RV	MPV	Fps	Z-value	% difference
N-127	Ammonia + Organic Nitrogen as N	22 Colorimetric	0.142 mg/L	0.139	0.033	0.09	2.16
N-127	Ammonia as N	22 Colorimetric	0.110 mg/L	0.111	0.008	-0.13	-0.90
N-127	Nitrate as N	07 Ion chromatography	0.304 mg/L	0.308	0.015	-0.27	-1.30

N-127	Nitrite + Nitrate as N	22 Colorimetric	0.307 mg/L	0.302	0.014	0.36	1.66
N-127	Orthophosphate as P	22 Colorimetric	0.112 mg/L	0.106	0.005	1.20	5.66
N-127	Total Phosphorus as P	22 Colorimetric	0.150 mg/L	0.140	0.007	1.43	7.14
N-128	Ammonia + Organic Nitrogen as N	22 Colorimetric	0.526 mg/L	0.518	0.172	0.05	1.54
N-128	Ammonia as N	22 Colorimetric	0.448 mg/L	0.437	0.033	0.33	2.52
N-128	Nitrate as N	07 Ion chromatography	3.14 mg/L	3.04	0.152	0.66	3.29
N-128	Nitrite + Nitrate as N	22 Colorimetric	3.05 mg/L	3.04	0.141	0.07	0.33
N-128	Orthophosphate as P	22 Colorimetric	0.444 mg/L	0.412	0.022	1.45	7.77
N-128	Total Phosphorus as P	22 Colorimetric	0.463 mg/L	0.423	0.018	2.22	9.46
M-216	Alkalinity as CaCO ₃	21 Titration: electrometric	29.3 mg/L	29.6	1.84	-0.16	-1.01
M-216	Chloride	07 Ion chromatography	20.0 mg/L	19.7	0.615	0.49	1.52
M-216	Fluoride	40 Ion selective electrode	0.250 mg/L	0.242	0.020	0.40	3.31
M-216	pH	41 Electrometric	7.67	7.38	0.245	1.18	3.93
M-216	Residue on Evaporation	50 Gravimetric	91.0 mg/L	94.5	6.67	-0.52	-3.70
M-216	Specific Conductance	41 Electrometric	151 µS/cm	151	3.04	0.00	0.00
M-216	Sulfate	07 Ion chromatography	8.32 mg/L	8.40	0.304	-0.26	-0.95
M-216	Boron	06 Inductively coupled plasma/mass spectrometry	17.3 µg/L	17.0	3.32	0.09	1.76
M-216	Calcium	04 Inductively coupled plasma	10.3 mg/L	9.59	0.378	1.88	7.40
M-216	Magnesium	04 Inductively coupled plasma	2.72 mg/L	2.42	0.148	2.03	12.40
M-216	Potassium	04 Inductively coupled plasma	1.31 mg/L	1.29	0.083	0.24	1.55
M-216	Silica	04 Inductively coupled plasma	16.4 mg/L	15.1	0.838	1.55	8.61
M-216	Sodium	04 Inductively coupled plasma	16.7 mg/L	15.0	0.778	2.19	11.33
M-216	Strontium	04 Inductively coupled plasma	55.4 µg/L	56.9	2.52	-0.60	-2.64
M-216	Vanadium	04 Inductively coupled plasma	2.21 µg/L	1.70	0.330	1.55	30.00
M-216	Total Phosphorus as P	22 Colorimetric	<0.002 mg/L	0.0030	0.0030	F-	--
T-223	Aluminum	06 Inductively coupled plasma/mass spectrometry	555 µg/L	523	30.4	1.05	6.12

T-223	Antimony	06 Inductively coupled plasma/mass spectrometry	4.96 µg/L	4.97	0.230	-0.04	-0.20
T-223	Arsenic	06 Inductively coupled plasma/mass spectrometry	7.80 µg/L	7.57	0.416	0.55	3.04
T-223	Barium	06 Inductively coupled plasma/mass spectrometry	8.27 µg/L	8.29	0.322	-0.06	-0.24
T-223	Beryllium	06 Inductively coupled plasma/mass spectrometry	0.550 µg/L	0.538	0.043	0.28	2.23
T-223	Boron	06 Inductively coupled plasma/mass spectrometry	15.4 µg/L	13.0	2.41	1.00	18.46
T-223	Cadmium	06 Inductively coupled plasma/mass spectrometry	3.84 µg/L	3.81	0.163	0.18	0.79
T-223	Calcium	04 Inductively coupled plasma	3.92 mg/L	3.58	0.192	1.77	9.50
T-223	Chromium	06 Inductively coupled plasma/mass spectrometry	0.506 µg/L	0.516	0.051	-0.20	-1.94
T-223	Cobalt	06 Inductively coupled plasma/mass spectrometry	3.38 µg/L	3.21	0.199	0.85	5.30
T-223	Copper	06 Inductively coupled plasma/mass spectrometry	3.70 µg/L	3.70	0.267	0.00	0.00
T-223	Iron	04 Inductively coupled plasma	398 µg/L	369	18.5	1.57	7.86
T-223	Lead	06 Inductively coupled plasma/mass spectrometry	0.593 µg/L	0.573	0.027	0.74	3.49
T-223	Magnesium	04 Inductively coupled plasma	4.61 mg/L	4.07	0.152	3.55	13.27
T-223	Manganese	04 Inductively coupled plasma	27.8 µg/L	27.0	1.23	0.65	2.96
T-223	Molybdenum	06 Inductively coupled plasma/mass spectrometry	0.444 µg/L	0.474	0.050	-0.60	-6.33
T-223	Nickel	06 Inductively coupled plasma/mass spectrometry	0.494 µg/L	0.510	0.059	-0.27	-3.14
T-223	Potassium	04 Inductively coupled plasma	1.06 mg/L	1.00	0.048	1.25	6.00
T-223	Selenium	06 Inductively coupled plasma/mass spectrometry	11.6 µg/L	11.2	0.890	0.45	3.57

T-223	Silica	04 Inductively coupled plasma	8.50 mg/L	7.65	0.579	1.47	11.11
T-223	Silver	06 Inductively coupled plasma/mass spectrometry	7.19 µg/L	7.04	0.333	0.45	2.13
T-223	Sodium	04 Inductively coupled plasma	8.66 mg/L	7.55	0.396	2.80	14.70
T-223	Strontium	04 Inductively coupled plasma	17.4 µg/L	17.6	0.778	-0.26	-1.14
T-223	Thallium	06 Inductively coupled plasma/mass spectrometry	5.59 µg/L	5.49	0.289	0.35	1.82
T-223	Uranium	06 Inductively coupled plasma/mass spectrometry	0.990 µg/L	0.958	0.033	0.97	3.34
T-223	Vanadium	04 Inductively coupled plasma	6.05 µg/L	5.77	0.237	1.18	4.85
T-223	Zinc	06 Inductively coupled plasma/mass spectrometry	13.3 µg/L	12.7	1.19	0.50	4.72
Hg-61	Mercury	09 Atomic fluorescence	0.035 µg/L	0.040	0.008	-0.63	-12.50
P-65	Chloride	07 Ion chromatography	1.95 mg/L	1.97	0.051	-0.39	-1.02
P-65	Fluoride	40 Ion selective electrode	0.0563 mg/L	0.048	0.010	0.83	17.29
P-65	Orthophosphate as P	22 Colorimetric	0.0206 mg/L	0.022	0.0023	-0.61	-6.36
P-65	pH	41 Electrometric	4.56	4.60	0.074	-0.54	-0.87
P-65	Specific Conductance	41 Electrometric	16.5 µS/cm	17.6	1.99	-0.55	-6.25
P-65	Sulfate	07 Ion chromatography	0.210 mg/L	0.210	0.019	0.00	0.00
P-65	Calcium	04 Inductively coupled plasma	0.353 mg/L	0.310	0.029	1.48	13.87
P-65	Magnesium	04 Inductively coupled plasma	0.108 mg/L	0.091	0.013	1.31	18.68
P-65	Potassium	04 Inductively coupled plasma	<0.300 mg/L	0.050	0.045	--	--
P-65	Sodium	04 Inductively coupled plasma	<0.500 mg/L	0.107	0.013	--	--



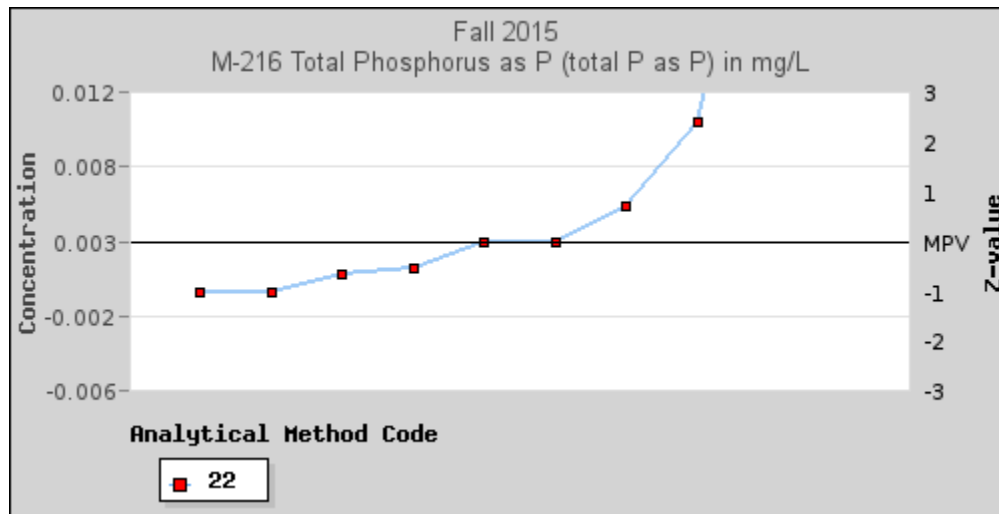
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Fall 2015 M-216 Total Phosphorus as P (total P as P) in mg/L



Methods

22 Colorimetric

Sample Statistics		Method Statistics		22
MPV	0.003		n	9
Fps	0.003		MPV	0.0030
n	9		Fps	0.0030
Uh	0.005			
Lh	0.0010			

Lab ID	Method	RV	Z-Value	% difference
12	22	0.00	-1.00	-100.00
16	22	0.003	0.00	0.00
38	22	0.000	-1.00	-100.00
45	22	0.0051	0.70	70.00
59	22	<0.01	--	--
76	04	<0.065	--	--
86	04	<0.02	--	--

Lab ID	Method	RV	Z-Value	% difference
142	22	<0.02	--	--
180	22	<0.025	--	--
234	22	<0.03	--	--
307	22	0.0102	2.40	240.00
323	22	<0.01	--	--
410	22	<0.100	--	--
413	22	<0.02	--	--

89	22	<0.02	--	--	430	22	<0.003	--	--
102	22	0.001	-0.67	-66.67	446	22	0.003	0.00	0.00
105	22	<0.01	--	--	447	22	0.0294	8.80	880.00
138	22	<0.002	F-	--	568	22	0.0014	-0.53	-53.33