

**Table 1**  
**Validated Inorganics Results**  
**Supplemental Soil Characterization**  
**Pines Area of Investigation**

			Location ID Sample Date Sample ID Sample Matrix Sample Type	11/19/2014 PXXQX111914S Soil Sample	11/19/2014 PM111914S Soil Sample	P06QA 11/21/2014 P06QASS112114S Soil Sample	P06QA 11/21/2014 P06QANS112114S Soil Sample	P06QB 11/21/2014 P06QBSS112114S Soil Sample
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		1390	27100	2260	1840	2600
7440-38-2	ARSENIC	mg/kg		1.3 J	25.8 J	2.0	< 1.2 U	3.1
7440-47-3	CHROMIUM	mg/kg		4.7 J+	52.7 J	2.2 J+	1.9	4.5 J+
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		0.10 J	< 0.73 U	< 0.44 UJ	0.13 J-	< 0.46 UJ
7440-48-4	COBALT	mg/kg		< 5.0 U	13.2	0.823 J	< 5.4 U	1.2 J
7439-89-6	IRON	mg/kg		1990 J	76900 J	3190 J	1980 J	5800 J
7440-28-0	THALLIUM	mg/kg		< 0.504 UJ	1.7 J	< 0.537 U	< 0.548 U	< 0.581 U
7440-61-1M	URANIUM-238	mg/kg		< 0.504 U	4.2	< 0.537 U	< 0.548 U	< 0.581 U
7440-62-2	VANADIUM	mg/kg		3.5	42.8 J	3.0 J+	3.2	4.9 J+

**Notes:**

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			Location ID Sample Date Sample ID Sample Matrix Sample Type	P06QB 11/21/2014 P06QBNS112114D Soil Duplicate	P06QB 11/21/2014 P06QBNS112114S Soil Sample	P06QC 11/21/2014 P06QCSS112114S Soil Sample	P06QC 11/21/2014 P06QCNS112114S Soil Sample	P06QD 11/21/2014 P06QDSS112114S Soil Sample
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		3140	3540	3490	2160	3770
7440-38-2	ARSENIC	mg/kg		2.0	< 1.5 U	4.0	< 1.2 U	4.3
7440-47-3	CHROMIUM	mg/kg		1.7 J+	1.9 J+	3.2 J+	1.7 J+	6.7 J+
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		< 0.46 UJ	0.13 J-	< 0.44 UJ	< 0.41 UJ	< 0.45 UJ
7440-48-4	COBALT	mg/kg		< 5.7 U	< 5.9 U	1.5 J	0.902 J	1.8 J
7439-89-6	IRON	mg/kg		2810 J	1520 J	6330 J	2360 J	7460 J
7440-28-0	THALLIUM	mg/kg		< 0.560 U	< 0.568 U	< 0.524 U	< 0.533 U	< 0.573 U
7440-61-1M	URANIUM-238	mg/kg		< 0.560 U	< 0.568 U	< 0.524 U	< 0.533 U	< 0.573 U
7440-62-2	VANADIUM	mg/kg		3.3 J+	3.5 J+	4.7 J+	3.2 J+	6.9 J+

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			Location ID Sample Date Sample ID Sample Matrix Sample Type	P06QD 11/21/2014 P06QDNS112114S Soil Sample	P14QA 11/18/2014 P14QASS111814S Soil Sample	P14QA 11/18/2014 P14QANS111814S Soil Sample	P14QA 11/18/2014 P14QASB111814S Soil Sample	P14QB 11/18/2014 P14QBSS111814S Soil Sample
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		3260	11200 J	6260 J	2390 J	9830 J
7440-38-2	ARSENIC	mg/kg		1.9	91.7 J	52.3 J	2.8 J	56.5 J
7440-47-3	CHROMIUM	mg/kg		1.8 J+	20.9 J+	13.1 J+	3.0 J+	37.9 J+
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		< 0.43 UJ	0.22 J	0.15 J	< 0.43 U	< 0.57 U
7440-48-4	COBALT	mg/kg		0.964 J	< 5.9 U	< 5.5 U	< 5.4 U	7.2
7439-89-6	IRON	mg/kg		2800 J	15400	16400	4190	22900
7440-28-0	THALLIUM	mg/kg		< 0.525 U	2.2 J	1.3 J	0.148 J	1.9 J
7440-61-1M	URANIUM-238	mg/kg		< 0.525 U	1.2	0.789	< 0.528 U	1.1
7440-62-2	VANADIUM	mg/kg		3.3 J+	20.2 J+	12.8 J+	4.8 J+	22.9 J+

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			Location ID Sample Date Sample ID Sample Matrix Sample Type	P14QB 11/18/2014 P14QBNS111814DP Soil Duplicate	P14QB 11/18/2014 P14QBNS111814SP Soil Sample	P14QB 11/18/2014 P14QBSB111814SP Soil Sample	P14QC 11/18/2014 P14QCSS111814SP Soil Sample	P14QC 11/18/2014 P14QCNS111814SP Soil Sample
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		9160 J	9920 J	4870 J	7630	10400
7440-38-2	ARSENIC	mg/kg		249 J	341 J	87.8 J	272 J	501 J
7440-47-3	CHROMIUM	mg/kg		35.8 J+	29.6 J+	17.0 J+	24.3 J	28.6 J
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		0.21 J	0.17 J	< 0.55 U	< 0.54 U	0.14 J
7440-48-4	COBALT	mg/kg		8.4	10.2	< 6.9 U	8.1	12.8
7439-89-6	IRON	mg/kg		23600	30000	13300	21900 J	29600 J
7440-28-0	THALLIUM	mg/kg		5.1 J	7.2 J	4.2 J	5.4 J	11.3 J
7440-61-1M	URANIUM-238	mg/kg		2.1	3.1	1.5	2.0	2.9
7440-62-2	VANADIUM	mg/kg		37.8 J+	48.4 J+	27.3 J+	35.4 J	51.4 J

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			Location ID Sample Date Sample ID Sample Matrix Sample Type	P14QC 11/18/2014 P14QCSB111814S Soil Sample	P14QD 11/18/2014 P14QDSS111814S Soil Sample	P14QD 11/18/2014 P14QDNS111814S Soil Sample	P14QD 11/18/2014 P14QDSB111814S Soil Sample	P14QG 11/18/2014 P14QGSS111814S Soil Sample
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		12400	7980 J	12400	13200	9880
7440-38-2	ARSENIC	mg/kg		477 J	251 J	484	888	288
7440-47-3	CHROMIUM	mg/kg		31.1 J	28.5 J+	35.8 J	34.7 J	25.9 J
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		< 0.59 U	< 0.55 U	0.19 J-	< 0.56 UJ	< 0.61 UJ
7440-48-4	COBALT	mg/kg		12.5	7.9	12.0	12.8	9.6
7439-89-6	IRON	mg/kg		32400 J	23700	36200	34400	25700
7440-28-0	THALLIUM	mg/kg		7.3 J	6.8 J	9.3 J+	8.6 J	3.6 J+
7440-61-1M	URANIUM-238	mg/kg		3.2	2.7	3.5	3.9 J	1.7
7440-62-2	VANADIUM	mg/kg		49.2 J	64.4 J+	57.1 J	61.5 J	33.5 J

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			Location ID Sample Date Sample ID Sample Matrix Sample Type	P14QG 11/18/2014 P14QGNS111814S Soil Sample	P14QG 11/18/2014 P14QGSB111814S Soil Sample	P15QA 11/19/2014 P15QASS111914S Soil Sample	P15QA 11/19/2014 P15QANS111914S Soil Sample	P15QA 11/19/2014 P15QASB111914S Soil Sample
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		10900	12900	12200	10600	4390
7440-38-2	ARSENIC	mg/kg		370	449	23.7	12.1	2.9
7440-47-3	CHROMIUM	mg/kg		29.8 J	41.3 J	29.1 J	16.1 J	5.2 J
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		0.28 J-	< 0.55 UJ	< 0.59 UJ	< 0.58 UJ	0.16 J-
7440-48-4	COBALT	mg/kg		11.2	13.7	6.3 J	4.3 J	1.7 J
7439-89-6	IRON	mg/kg		36400	38100	29500	22600	7690
7440-28-0	THALLIUM	mg/kg		7.6 J+	9.3 J+	1.0 J	< 0.741 UJ	< 0.731 UJ
7440-61-1M	URANIUM-238	mg/kg		3.3	4.3	1.4 J	0.911 J	< 0.731 UJ
7440-62-2	VANADIUM	mg/kg		51.5 J	65.2 J	20.6 J	13.7 J	6.6 J

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			Location ID Sample Date Sample ID Sample Matrix Sample Type	P15QB 11/19/2014 P15QBSS111914S Soil Sample	P15QB 11/19/2014 P15QBNS111914D Soil Duplicate	P15QB 11/19/2014 P15QBNS111914S Soil Sample	P15QB 11/19/2014 P15QBSB111914S Soil Sample	P15QC 11/19/2014 P15QCSS111914S Soil Sample
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		4560	1910	1610	2110	2550
7440-38-2	ARSENIC	mg/kg		4.7	1.6	< 1.9 U	0.917 J	2.4 J
7440-47-3	CHROMIUM	mg/kg		10.9 J	< 2.8 U	2.4 J	< 2.5 U	5.9 J
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		0.26 J-	< 0.47 U	< 0.41 UJ	0.12 J	< 0.45 U
7440-48-4	COBALT	mg/kg		2.4 J	< 5.9 U	1.2 J	< 5.2 U	1.9 J
7439-89-6	IRON	mg/kg		11500	2960	2400	2540	5260
7440-28-0	THALLIUM	mg/kg		< 0.532 UJ	< 0.577 U	< 0.518 UJ	< 0.506 U	< 0.575 U
7440-61-1M	URANIUM-238	mg/kg		1.0 J	< 0.577 U	< 0.518 UJ	< 0.506 U	< 0.575 U
7440-62-2	VANADIUM	mg/kg		10.2 J	5.2	4.1 J	4.3	5.0 J

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			Location ID Sample Date Sample ID Sample Matrix Sample Type	P15QC 11/19/2014 P15QCNS111914S Soil Sample	P15QC 11/19/2014 P15QCSB111914S Soil Sample	P15QD 11/19/2014 P15QDSS111914S Soil Sample	P15QD 11/19/2014 P15QDNS111914S Soil Sample	P15QD 11/19/2014 P15QDSB111914S Soil Sample
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		3000	1750	3120	3080	1620
7440-38-2	ARSENIC	mg/kg		1.7 J	0.401 J	2.3	0.987	0.872 J
7440-47-3	CHROMIUM	mg/kg		3.5 J	3.4 J	4.0 J+	< 2.4 U	< 2.5 UJ
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		< 0.44 U	< 0.49 U	< 0.48 U	< 0.48 U	0.11 J
7440-48-4	COBALT	mg/kg		< 5.5 U	< 6.1 U	< 5.7 U	< 6.0 U	< 5.0 U
7439-89-6	IRON	mg/kg		26300	1030	4200	4350	2520
7440-28-0	THALLIUM	mg/kg		< 0.571 U	< 0.601 UJ	< 0.600 U	< 0.614 U	< 0.497 UJ
7440-61-1M	URANIUM-238	mg/kg		< 0.571 U	< 0.601 U	1.3	< 0.614 U	< 0.497 U
7440-62-2	VANADIUM	mg/kg		4.7 J	3.4 J	5.0	4.5	3.8 J

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			Location ID Sample Date Sample ID Sample Matrix Sample Type	P24QA 11/18/2014 P24QASS111814S Soil Sample	P24QA 11/18/2014 P24QANS111814S Soil Sample	P24QA 11/18/2014 P24QASB111814S Soil Sample	P24QB 11/18/2014 P24QBSS111814S Soil Sample	P24QB 11/18/2014 P24QBNS111814D Soil Sample
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		3550	2700	2260	2130	2280
7440-38-2	ARSENIC	mg/kg		60.6	46.5	4.7	6.8	8.0
7440-47-3	CHROMIUM	mg/kg		9.3 J	6.5 J	2.8 J	8.1 J	< 1.1 U
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		< 0.51 UJ	< 0.47 UJ	0.33 J-	< 0.62 UJ	< 0.43 UJ
7440-48-4	COBALT	mg/kg		< 6.5 UJ	< 6.0 UJ	< 5.6 UJ	< 8.0 UJ	< 5.5 UJ
7439-89-6	IRON	mg/kg		8890	8040	1900	3950	2880
7440-28-0	THALLIUM	mg/kg		1.6 J+	1.2 J+	< 0.550 U	< 0.774 U	< 0.535 U
7440-61-1M	URANIUM-238	mg/kg		0.706	0.593	< 0.550 U	< 0.774 U	< 0.535 U
7440-62-2	VANADIUM	mg/kg		14.9 J	12.3 J	4.8 J	6.6 J	3.5 J

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CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		2230	1760	9260	14300	12500
7440-38-2	ARSENIC	mg/kg		6.2	1.1	406	642	441
7440-47-3	CHROMIUM	mg/kg		< 1.1 U	< 1.0 U	27.6 J	33.8 J	31.3 J
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		< 0.43 UJ	0.15 J-	< 0.53 UJ	0.35 J-	0.16 J-
7440-48-4	COBALT	mg/kg		< 5.4 UJ	< 5.3 UJ	9.6	14.0	12.1
7439-89-6	IRON	mg/kg		2690	2070	24900	37200	29700
7440-28-0	THALLIUM	mg/kg		< 0.531 U	< 0.518 UJ	7.9 J	9.9 J	8.4 J
7440-61-1M	URANIUM-238	mg/kg		< 0.531 U	< 0.518 U	2.8 J	3.5 J	2.8 J
7440-62-2	VANADIUM	mg/kg		3.2 J	3.1 J	43.9 J	57.1 J	49.5 J

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CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		10200	7960	7240	11400	5710
7440-38-2	ARSENIC	mg/kg		326	305	262	32.8 J+	11.5 J+
7440-47-3	CHROMIUM	mg/kg		34.4 J	20.3 J	17.8 J	30.8 J+	12.3 J+
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		< 0.50 UJ	0.17 J-	0.29 J-	< 0.44 U	< 0.43 U
7440-48-4	COBALT	mg/kg		10.6	7.4	7.0	7.6	< 5.3 U
7439-89-6	IRON	mg/kg		27300	21000	17600	29100	13400
7440-28-0	THALLIUM	mg/kg		9.5 J+	4.7 J+	4.2 J+	1.6 J+	0.657 J+
7440-61-1M	URANIUM-238	mg/kg		3.0	1.7	1.6	1.9	0.835
7440-62-2	VANADIUM	mg/kg		48.3 J	33.0 J	30.2 J	25.4 J+	13.4 J+

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CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		2300	11000	12200	2650	10600
7440-38-2	ARSENIC	mg/kg		0.762 J+	35.9	22.8	1.9	23.0 J+
7440-47-3	CHROMIUM	mg/kg		1.7 J+	27.9 J+	18.2 J+	2.1 J+	30.7 J
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		< 0.41 U	< 0.45 UJ	< 0.43 UJ	< 0.42 UJ	< 0.42 U
7440-48-4	COBALT	mg/kg		< 5.2 U	6.2	5.9	0.954 J	6.1
7439-89-6	IRON	mg/kg		1920	26700 J	27100 J	2600 J	28800
7440-28-0	THALLIUM	mg/kg		< 0.529 U	1.2 J+	0.861 J+	< 0.502 U	1.7 J+
7440-61-1M	URANIUM-238	mg/kg		0.098 J	1.7	0.940	0.124 J	2.0
7440-62-2	VANADIUM	mg/kg		3.0 J+	23.2 J+	15.2 J+	3.7 J+	24.9 J

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CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		4620	2010	11700	3600	4390
7440-38-2	ARSENIC	mg/kg		6.6 J+	0.534	25.1 J+	5.6 J+	5.0 J+
7440-47-3	CHROMIUM	mg/kg		6.7 J+	1.6	24.3 J	6.3 J+	7.8 J+
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		< 0.44 U	0.12 J	< 0.43 U	< 0.43 U	< 0.43 U
7440-48-4	COBALT	mg/kg		< 5.4 U	< 5.3 U	6.8	< 5.3 U	< 5.3 U
7439-89-6	IRON	mg/kg		10300	1590	34000	6930	9150
7440-28-0	THALLIUM	mg/kg		< 0.542 U	< 0.526 U	1.8 J+	< 0.547 U	< 0.539 U
7440-61-1M	URANIUM-238	mg/kg		0.579	0.080 J	2.2	0.542 J	0.481 J
7440-62-2	VANADIUM	mg/kg		8.5 J+	3.1	25.3 J	8.3 J+	8.3 J+

**Notes:**

CAS - Chemical Abstract Service

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**Table 1**  
**Validated Inorganics Results**  
**Supplemental Soil Characterization**  
**Pines Area of Investigation**

			Location ID Sample Date Sample ID Sample Matrix Sample Type	P29QD 11/21/2014 P29QDSB112114S Soil Sample	P34QA 11/17/2014 P34QASS111714S Soil Sample	P34QA 11/17/2014 P34QANS111714S Soil Sample	P34QA 11/17/2014 P34QASB111714S Soil Sample	P34QB 11/17/2014 P34QBSS111714S Soil Sample
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		1980	6940	15700	8410	11600
7440-38-2	ARSENIC	mg/kg		0.521 J	51.9 J	530 J	237 J	205 J
7440-47-3	CHROMIUM	mg/kg		1.7	9.9 J	34.3 J	22.7 J	33.4 J
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		0.14 J	< 0.47 UJ	< 0.45 UJ	< 0.45 UJ	< 0.46 UJ
7440-48-4	COBALT	mg/kg		< 5.0 U	< 5.9 U	14.8	8.3	9.1
7439-89-6	IRON	mg/kg		1590	15800 J	36600 J	19100 J	31200 J
7440-28-0	THALLIUM	mg/kg		< 0.523 U	0.772 J	6.1 J	5.0 J	4.8 J
7440-61-1M	URANIUM-238	mg/kg		0.102 J	1.1 J	2.9 J	1.9 J	2.6 J
7440-62-2	VANADIUM	mg/kg		2.8	16.0 J	47.9 J	35.8 J	43.1 J

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**Table 1**  
**Validated Inorganics Results**  
**Supplemental Soil Characterization**  
**Pines Area of Investigation**

			Location ID Sample Date Sample ID Sample Matrix Sample Type	P34QB 11/17/2014 P34QBNS111714S Soil Sample	P34QB 11/17/2014 P34QBSB111714S Soil Sample	P34QC 11/17/2014 P34QCSS111714S Soil Sample	P34QC 11/17/2014 P34QCNS111714D Soil Duplicate	P34QC 11/17/2014 P34QCNS111714S Soil Sample
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		14400	4900	9990	9710	11400
7440-38-2	ARSENIC	mg/kg		334 J	78.1 J	205 J	361 J	114 J
7440-47-3	CHROMIUM	mg/kg		31.3 J	11.1 J	37.9 J	28.3 J	23.2 J
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		< 0.46 UJ	< 0.45 UJ	< 0.48 UJ	0.13 J-	0.21 J-
7440-48-4	COBALT	mg/kg		10.7 J	< 5.5 U	9.2	9.5	6.2
7439-89-6	IRON	mg/kg		35800 J	9700 J	21100 J	23200 J	23400 J
7440-28-0	THALLIUM	mg/kg		5.1 J	1.7 J	4.5 J	5.8 J	3.8 J
7440-61-1M	URANIUM-238	mg/kg		2.9 J	1.2 J	2.0 J	2.7 J	2.2 J
7440-62-2	VANADIUM	mg/kg		42.7 J	15.2 J	41.2 J	44.4 J	35.0 J

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**Table 1**  
**Validated Inorganics Results**  
**Supplemental Soil Characterization**  
**Pines Area of Investigation**

			Location ID Sample Date Sample ID Sample Matrix Sample Type	P34QC 11/17/2014 P34QCSB111714S Soil Sample	P34QD 11/17/2014 P34QDSS111714S Soil Sample	P34QD 11/17/2014 P34QDNS111714S Soil Sample	P34QD 11/17/2014 P34QDSB111714S Soil Sample	P34QP 11/17/2014 P34QPSS111714S Soil Sample
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		12500	8860	8420	5690	14800
7440-38-2	ARSENIC	mg/kg		492 J	317 J	225 J	142 J	450 J
7440-47-3	CHROMIUM	mg/kg		29.6 J	24.4 J	21.6 J	22.7 J	27.5 J
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		< 0.46 UJ	0.13 J-	0.16 J-	0.18 J-	0.16 J-
7440-48-4	COBALT	mg/kg		11.8	9.7	6.9	< 5.7 U	11.3
7439-89-6	IRON	mg/kg		29800 J	25600 J	20700 J	11700 J	27400 J
7440-28-0	THALLIUM	mg/kg		6.2 J	5.4 J	3.1 J	4.0 J	6.1 J
7440-61-1M	URANIUM-238	mg/kg		2.7 J	1.9 J	1.5 J	1.9 J	2.6 J
7440-62-2	VANADIUM	mg/kg		44.8 J	38.1 J	29.1 J	34.9 J	41.1 J

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**Table 1**  
**Validated Inorganics Results**  
**Supplemental Soil Characterization**  
**Pines Area of Investigation**

			Location ID Sample Date Sample ID Sample Matrix Sample Type	P34QP 11/17/2014 P34QPNS111714S Soil Sample	P34QP 11/17/2014 P34QPSB111714S Soil Sample	P35QA 11/20/2014 P35QASS112014S Soil Sample	P35QA 11/20/2014 P35QANS112014S Soil Sample	P35QA 11/20/2014 P35QASB112014S Soil Sample
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		9560	10600	14700 J	12700 J	10100
7440-38-2	ARSENIC	mg/kg		228 J	284 J	432 J	418 J	305 J
7440-47-3	CHROMIUM	mg/kg		22.2 J	24.6 J	35.5 J	33.3 J	30.9 J
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		0.21 J-	< 0.45 UJ	0.19 J-	0.25 J-	< 0.48 U
7440-48-4	COBALT	mg/kg		7.2	6.4	14.4 J	13.3 J	10.3
7439-89-6	IRON	mg/kg		24100 J	15500 J	35100 J	31900 J	24200
7440-28-0	THALLIUM	mg/kg		2.9 J	3.9 J	8.9 J	9.0 J	6.0 J
7440-61-1M	URANIUM-238	mg/kg		1.5 J	2.1 J	4.0 J	3.7 J	2.7 J
7440-62-2	VANADIUM	mg/kg		26.6 J	38.0 J	59.4 J	57.1 J	47.2 J

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**Table 1**  
**Validated Inorganics Results**  
**Supplemental Soil Characterization**  
**Pines Area of Investigation**

			Location ID Sample Date Sample ID Sample Matrix Sample Type	P35QB 11/20/2014 P35QBSS112014S Soil Sample	P35QB 11/20/2014 P35QBNS112014S Soil Sample	P35QB 11/20/2014 P35QBSB112014S Soil Sample	P35QC 11/20/2014 P35QCSS112014S Soil Sample	P35QC 11/20/2014 P35QCNS112014D Soil Duplicate
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		6000	10400	13200	12100	10500
7440-38-2	ARSENIC	mg/kg		93.6 J	257 J	358 J	308 J	355 J
7440-47-3	CHROMIUM	mg/kg		9.4 J	32.7 J	34.3 J	32.1 J	33.2 J
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		< 0.47 U	0.21 J	0.24 J	0.14 J	0.22 J
7440-48-4	COBALT	mg/kg		< 5.9 U	9.9	14.0	11.7	10.4
7439-89-6	IRON	mg/kg		9910	23700	32600	30900	29300
7440-28-0	THALLIUM	mg/kg		< 1.2 UJ	8.3 J	8.2 J	7.1 J	9.5 J
7440-61-1M	URANIUM-238	mg/kg		0.653 J	3.3 J	3.3 J	3.2 J	4.3 J
7440-62-2	VANADIUM	mg/kg		13.8 J	56.9 J	56.4 J	48.5 J	56.4 J

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**Table 1**  
**Validated Inorganics Results**  
**Supplemental Soil Characterization**  
**Pines Area of Investigation**

			Location ID Sample Date Sample ID Sample Matrix Sample Type	P35QC 11/20/2014 P35QCNS112014S Soil Sample	P35QC 11/20/2014 P35QCSB112014D Soil Sample	P35QD 11/20/2014 P35QDSS112014S Soil Sample	P35QD 11/20/2014 P35QDNS112014S Soil Sample	P35QD 11/20/2014 P35QDSB112014S Soil Sample
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		12800	12500	8530	4690	2730
7440-38-2	ARSENIC	mg/kg		389 J	429 J	108 J	110 J	27.3 J
7440-47-3	CHROMIUM	mg/kg		31.1 J	20.5 J	14.2 J	15.9 J	7.4 J
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		0.35 J	0.25 J	< 0.45 U	0.11 J	0.16 J
7440-48-4	COBALT	mg/kg		13.0	13.2	< 5.5 U	< 5.7 U	< 5.4 U
7439-89-6	IRON	mg/kg		31400	29100	10100	11500	3400
7440-28-0	THALLIUM	mg/kg		7.5 J	4.7 J	2.5 J	2.8 J	1.6 J
7440-61-1M	URANIUM-238	mg/kg		3.4 J	1.8 J	1.4 J	1.5 J	0.594 J
7440-62-2	VANADIUM	mg/kg		51.4 J	32.4 J	21.7 J	27.6 J	11.9 J

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**Table 1**  
**Validated Inorganics Results**  
**Supplemental Soil Characterization**  
**Pines Area of Investigation**

			Location ID Sample Date Sample ID Sample Matrix Sample Type	P35QP 11/20/2014 P35QPSS112014S Soil Sample	P35QP 11/20/2014 P35QPN5112014S Soil Sample	P35QP 11/20/2014 P35QPSB112014S Soil Sample	P37QA 11/20/2014 P37QANS112014S Soil Sample	P37QA 11/20/2014 P37QASB112014S Soil Sample
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		15500	17100	13600	2690 J	2440 J
7440-38-2	ARSENIC	mg/kg		501 J	620 J	459 J	1.2 J	0.763 J
7440-47-3	CHROMIUM	mg/kg		37.1 J	37.7 J	34.3 J	2.7 J	3.0 J
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		0.17 J	0.33 J	0.31 J	< 0.41 UJ	< 0.43 UJ
7440-48-4	COBALT	mg/kg		15.0	16.0	13.8	< 5.2 UJ	< 5.2 UJ
7439-89-6	IRON	mg/kg		38800	40700	35100	4120 J	2660 J
7440-28-0	THALLIUM	mg/kg		9.8 J	12.1 J	8.5 J	< 0.505 UJ	< 0.521 UJ
7440-61-1M	URANIUM-238	mg/kg		4.2 J	4.8 J	3.5 J	< 0.505 UJ	< 0.521 UJ
7440-62-2	VANADIUM	mg/kg		62.1 J	72.3 J	55.2 J	4.2 J	4.6 J

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**Table 1**  
**Validated Inorganics Results**  
**Supplemental Soil Characterization**  
**Pines Area of Investigation**

			Location ID Sample Date Sample ID Sample Matrix Sample Type	P37QA 11/20/2014 P37QASS112014S Soil Sample	P37QB 11/19/2014 P37QBSS111914S Soil Sample	P37QB 11/19/2014 P37QBNS111914D Soil Duplicate	P37QB 11/19/2014 P37QBNS111914S Soil Sample	P37QB 11/19/2014 P37QBSS111914S Soil Sample
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		5140 J	8050	2940	2940	2000
7440-38-2	ARSENIC	mg/kg		2.7 J	7.7	< 1.2 U	< 1.1 U	< 1.2 U
7440-47-3	CHROMIUM	mg/kg		7.0 J	6.3 J	4.8 J	2.6 J	2.0 J
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		< 0.46 UJ	< 0.47 UJ	< 0.41 UJ	< 0.42 UJ	0.21 J-
7440-48-4	COBALT	mg/kg		< 5.8 UJ	9.1	< 5.4 UJ	< 5.3 UJ	< 5.4 UJ
7439-89-6	IRON	mg/kg		7040 J	15200	2710	2720	2150
7440-28-0	THALLIUM	mg/kg		< 0.556 UJ	< 0.589 UJ	< 0.535 UJ	< 0.531 UJ	< 0.535 U
7440-61-1M	URANIUM-238	mg/kg		0.638 J	0.695 J	< 0.535 UJ	< 0.531 UJ	< 0.535 UJ
7440-62-2	VANADIUM	mg/kg		8.7 J	9.9 J	3.2 J	3.2 J	3.2 J

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**Table 1**  
**Validated Inorganics Results**  
**Supplemental Soil Characterization**  
**Pines Area of Investigation**

			Location ID Sample Date Sample ID Sample Matrix Sample Type	P37QC 11/19/2014 P37QCSS111914S Soil Sample	P37QC 11/19/2014 P37QCNS111914S Soil Sample	P37QC 11/19/2014 P37QCSB111914S Soil Sample	P37QD 11/19/2014 P37QDSS111914S Soil Sample	P37QD 11/19/2014 P37QDNS111914S Soil Sample
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		4370	2600	2440	6160	4430
7440-38-2	ARSENIC	mg/kg		5.0	< 1.6 U	< 1.2 U	12.9	46.6 J
7440-47-3	CHROMIUM	mg/kg		7.5 J	2.2 J	2.1 J	7.0 J	27.5 J+
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		< 0.46 UJ	< 0.40 UJ	< 0.40 UJ	< 0.47 UJ	0.20 J
7440-48-4	COBALT	mg/kg		3.6 J	< 5.2 UJ	< 5.1 UJ	5.4 J	4.2 J
7439-89-6	IRON	mg/kg		10700	3170	2690	12400	6590 J
7440-28-0	THALLIUM	mg/kg		< 0.581 UJ	< 0.526 UJ	< 0.523 UJ	< 0.615 UJ	< 0.549 UJ
7440-61-1M	URANIUM-238	mg/kg		< 0.581 UJ	< 0.526 UJ	< 0.523 UJ	1.1 J	< 0.549 U
7440-62-2	VANADIUM	mg/kg		6.4 J	3.8 J	3.0 J	9.7 J	11.4

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**Table 1**  
**Validated Inorganics Results**  
**Supplemental Soil Characterization**  
**Pines Area of Investigation**

			Location ID Sample Date Sample ID Sample Matrix Sample Type	P37QD 11/19/2014 P37QDSB111914S Soil Sample	P37QG 11/19/2014 P37QGSS111914S Soil Sample	P37QG 11/19/2014 P37QGNS111914S Soil Sample	P37QG 11/19/2014 P37QGSB111914S Soil Sample	P38QA 11/20/2014 P38QASS112014S Soil Sample
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		2490	4410	3860	1880	3640 J
7440-38-2	ARSENIC	mg/kg		1.6 J	4.4 J	2.4 J	1.4 J	44.5 J
7440-47-3	CHROMIUM	mg/kg		2.3 J+	5.7 J+	3.9 J+	2.1 J+	14.0 J
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		< 0.42 U	< 0.46 U	< 0.42 U	0.11 J	< 0.49 UJ
7440-48-4	COBALT	mg/kg		1.2 J	3.7 J	2.4 J	1.1 J	< 6.4 UJ
7439-89-6	IRON	mg/kg		2790 J	7020 J	5260 J	2320 J	9430 J
7440-28-0	THALLIUM	mg/kg		< 0.521 UJ	< 0.571 UJ	< 0.527 UJ	< 0.506 UJ	1.3 J
7440-61-1M	URANIUM-238	mg/kg		< 0.521 U	0.659	< 0.527 U	< 0.506 U	1.2 J
7440-62-2	VANADIUM	mg/kg		3.9	8.4	6.8	3.1	24.0 J

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**Table 1**  
**Validated Inorganics Results**  
**Supplemental Soil Characterization**  
**Pines Area of Investigation**

			Location ID Sample Date Sample ID Sample Matrix Sample Type	P38QA 11/20/2014 P38QANS112014S Soil Sample	P38QA 11/20/2014 P38QASB112014S Soil Sample	P38QB 11/20/2014 P38QBSS112014S Soil Sample	P38QB 11/20/2014 P38QBNS112014D Soil Duplicate	P38QB 11/20/2014 P38QBNS112014S Soil Sample
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		5670 J	10400 J	7090 J	2110 J	4830 J
7440-38-2	ARSENIC	mg/kg		37.0 J	76.4 J	43.2 J	20.2 J	65.8 J
7440-47-3	CHROMIUM	mg/kg		11.4 J	22.6 J	10.5 J	6.3 J	11.3 J
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		< 0.47 UJ	< 0.47 UJ	0.12 J-	< 0.44 UJ	< 0.45 UJ
7440-48-4	COBALT	mg/kg		< 5.7 UJ	10.2 J	6.1 J	< 5.5 UJ	< 5.4 UJ
7439-89-6	IRON	mg/kg		16300 J	33900 J	20600 J	11400 J	18600 J
7440-28-0	THALLIUM	mg/kg		1.2 J	2.7 J	1.1 J	< 0.564 UJ	2.5 J
7440-61-1M	URANIUM-238	mg/kg		1.2 J	2.9 J	1.0 J	0.592 J	3.8 J
7440-62-2	VANADIUM	mg/kg		21.4 J	39.8 J	21.1 J	15.1 J	29.3 J

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**Table 1**  
**Validated Inorganics Results**  
**Supplemental Soil Characterization**  
**Pines Area of Investigation**

			Location ID Sample Date Sample ID Sample Matrix Sample Type	P38QB 11/20/2014 P38QBSB112014S Soil Sample	P38QC 11/20/2014 P38QCSS112014S Soil Sample	P38QC 11/20/2014 P38QCNS112014S Soil Sample	P38QC 11/20/2014 P38QCSB112014S Soil Sample	P38QD 11/20/2014 P38QDSS112014S Soil Sample
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		4300 J	1620 J	1250 J	4530 J	1740 J
7440-38-2	ARSENIC	mg/kg		47.4 J	2.7 J	2.5 J	2.8 J	5.5 J
7440-47-3	CHROMIUM	mg/kg		11.3 J	3.7 J	3.3 J	5.7 J	5.0 J
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		0.15 J-	< 0.48 UJ	< 0.44 UJ	< 0.53 UJ	< 0.47 UJ
7440-48-4	COBALT	mg/kg		< 5.9 UJ	< 6.1 UJ	< 5.4 UJ	< 6.6 UJ	< 5.9 UJ
7439-89-6	IRON	mg/kg		11000 J	12400 J	6960 J	17600 J	18000 J
7440-28-0	THALLIUM	mg/kg		0.971 J	< 0.599 UJ	< 0.536 UJ	< 0.641 UJ	< 0.592 UJ
7440-61-1M	URANIUM-238	mg/kg		1.2 J	< 0.599 UJ	< 0.536 UJ	< 0.641 UJ	< 0.592 UJ
7440-62-2	VANADIUM	mg/kg		23.1 J	6.6 J	7.6 J	15.8 J	9.3 J

**Notes:**

CAS - Chemical Abstract Service

ID - Identifier

mg/kg - milligrams per kilogram

U - The analyte was analyzed for, but was not detected above the sample reporting limit

J - The result is an estimated quantity; the associated numerical value is the approximate concentration of the analyte in the sample

J+ - The result is an estimated quantity, but the result may be biased high

J- - The result is an estimated quantity, but the result may be biased low

**Table 1**  
**Validated Inorganics Results**  
**Supplemental Soil Characterization**  
**Pines Area of Investigation**

			Location ID Sample Date Sample ID Sample Matrix Sample Type	P38QD 11/20/2014 P38QDNS112014S Soil Sample	P38QD 11/20/2014 P38QDSB112014S Soil Sample	P38QG 11/20/2014 P38QGSS112014S Soil Sample	P38QG 11/20/2014 P38QGNS112014S Soil Sample	P38QG 11/20/2014 P38QGSB112014S Soil Sample
CAS Number	Chemical Name	Unit						
7429-90-5	ALUMINUM	mg/kg		1500 J	1700 J	1840 J	1640 J	2110 J
7440-38-2	ARSENIC	mg/kg		6.7 J	3.0 J	4.2 J	3.2 J	4.9 J
7440-47-3	CHROMIUM	mg/kg		4.4 J	3.3 J	4.3 J	3.3 J	3.3 J
18540-29-9	CHROMIUM (HEXAVALENT COMPOUNDS)	mg/kg		< 0.46 UJ	< 0.46 UJ	< 0.47 UJ	< 0.46 UJ	< 0.49 UJ
7440-48-4	COBALT	mg/kg		< 5.6 UJ	< 5.7 UJ	< 6.0 UJ	< 5.7 UJ	< 6.1 UJ
7439-89-6	IRON	mg/kg		13900 J	6500 J	14900 J	10600 J	11400 J
7440-28-0	THALLIUM	mg/kg		< 0.579 UJ	< 0.581 UJ	< 0.568 UJ	< 0.579 UJ	< 0.598 UJ
7440-61-1M	URANIUM-238	mg/kg		< 0.579 UJ	< 0.581 UJ	< 0.568 UJ	< 0.579 UJ	< 0.598 UJ
7440-62-2	VANADIUM	mg/kg		10.5 J	6.4 J	8.7 J	7.5 J	7.7 J

**Notes:**

CAS - Chemical Abstract Service

ID - Identifier

mg/kg - milligrams per kilogram

U - The analyte was analyzed for, but was not detected above the sample reporting limit

J - The result is an estimated quantity; the associated numerical value is the approximate concentration of the analyte in the sample

J+ - The result is an estimated quantity, but the result may be biased high

J- - The result is an estimated quantity, but the result may be biased low