

**Table 25**  
**Areas of Interest**  
**Investigation and Confirmation**  
**Metals**

Metal	NYDEC (mg/kg)	East US BG	Site BG	TP-AOI-1/Area F	TP-AOI5-1	DS-AOI5-001	TP-AOI6-1	EX-AOI6-001*	EX-AOI5-001
Aluminum	SB	33000	7080-12800	12/5/2005	11/30/2005	9/11/2006	11/30/2005	9/12/2006	9/18/2006
Antimony	SB	NA	0.2-0.59	<3.45	<3.00	0.48-J	<3.00	16200	15600
Arsenic	7.5	3-12	4.3-16.4	<0.29	<0.25	9.5	<0.25	15.6	0.33-J
Barium	300	15-600	33-104	45.9	38.1	79.8	39.2	1.57	8.0
Beryllium	0.16	0-1.75	0.38-0.67	0.41	0.44	0.77	0.54	60.9	71.7
Cadmium	1	0-1.75	0.21-0.52	<0.29	<0.25	0.47-J	<0.25	0.55-J	0.75
Calcium	SB	130-35000	1280-46600	10200	18700	37800	11800	<1.12	0.39-J
Chromium	10	1.5-40	9.3-17.5	13.7	18.8	23.8	16	22400	13800
Cobalt	30	2.5-60	5.3-12.2	8.51	9.25	15.6	5.96	26.4	23.3
Copper	25	1-50	13.4-26.9	26.3	48	44.7	8.24	21.2	14.2
Iron	2000	2000-550000	14100-25700	14400	34600	35400	23300	15800	33900
Lead	SB	NA	16.5-60.8	10.5	21.1	16.9	10.7	<1.12	19.9
Magnesium	SB	100-5000	2150-13100	6180	5900	8670	5650	8550	6660
Manganese	SB	50-5000	197-875	306	362	497	394	573	659
Mercury	0.1	0.001-0.2	0.039-0.095	<0.023	<0.020	0.038-J	<0.020	<0.112	0.039
Nickel	13	0.5-25	10.6-24.8	19.8	24.5	35.1	17.1	<11.2	30.6
Potassium	SB	8500-43000	443-1660	672	779	2460	720	2320	1890
Selenium	2	0.1-3.9	0.44-1.2	<0.29	<0.25	<0.21	<0.25	<1.12	<0.18
Silver	SB	NA	0.16-0.17	<1.15	<1.00	<0.054	<1.00	<4.49	<0.047
Thallium	SB	NA	D-0.67	<0.58	<0.50	1.1-J	<0.50	<2.25	0.98-J
Vanadium	150	1-300	13.7-24	15.5	16.3	27.6	17.3	19.7	28.2
Zinc	20	9-50	46-134	58	76.1	93.8	54.9	86.2	87.3

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Metal	NYDEC (mg/kg)	East US BG	Site BG (mg/kg)	EX-AOI5-001A	EX-AOI5-001B	EX-AOI5-002	EX-AOI5-002A	EX-AOI5-002B	EX-AOI5-003
Aluminum	SB	33000	7080-12800	10/6/2006 16700	10/18/2006 10200	9/18/2006 14000	10/6/2006 16300	10/18/2006 10300	9/18/2006 15300
Antimony	SB	NA	0.2-0.59	0.68-J		0.31-J	0.48-J		0.51-J
Arsenic	7.5	3-12	4.3-16.4	13.2		8.0	13.3		6.9
Barium	300	15-600	33-104	77.8		92.7	72.1		61.8
Beryllium	0.16	0-1.75	0.38-0.67	0.83		0.73	0.88		0.77
Cadmium	1	0-1.75	0.21-0.52	0.65		0.35-J	0.62		0.30-J
Calcium	SB	130-35000	1280-46600	21400		49100	3300		20700
Chromium	10	1.5-40	9.3-17.5	23.6		21.1	23.9		24.0
Cobalt	30	2.5-60	5.3-12.2	14.9		13.4	17.3		13.7
Copper	25	1-50	13.4-26.9	40		42.3	45.4		38.6
Iron	2000	2000-550000	14100-25700	35300	21500	29800	337700	22000	3290
Lead	SB	NA	16.5-60.8	16.7		13.2	19.2		16.5
Magnesium	SB	100-5000	2150-13100	8080		8150	7940		9090
Manganese	SB	50-5000	197-875	903		860	752		492
Mercury	0.1	0.001-0.2	0.039-0.095	0.041		0.018-J	0.039-J		0-037-J
Nickel	13	0.5-25	10.6-24.8	<b>34.5</b>	7.02	<b>34.8</b>	<b>41</b>	4.92	<b>33.8</b>
Potassium	SB	8500-43000	443-1660	2070		2230	2040		2300
Selenium	2	0.1-3.9	0.44-1.2	1.7-J		<0.17	1.7-J		<0.18
Silver	SB	NA	0.16-0.17	<0.12		<0.045	<0.12		<0.048
Thallium	SB	NA	D-0.67	0.83-J		0.86-J	0.51-J		1.3-J
Vanadium	150	1-300	13.7-24	27.3		24.2	26.8		26.8
Zinc	20	9-50	46-134	94		78.0	94.5		85.3

Values in **bold** are above all criteria

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Metal	NYDEC (mg/kg)	East US BG	Site BG (mg/kg)	Investigation and Confirmation					EX-AOI5-005
				EX-AOI5-003A	EX-AOI5-003B	EX-AOI5-004	EX-AOI5-004A	EX-AOI5-004B	
Aluminum	SB	33000	7080-12800	10/6/2006 15800	10/18/2006 24300	9/18/2006 16500	10/6/2006 16400	10/18/2006 18900	9/18/2006 18600
Antimony	SB	NA	0.2-0.59	0.49-J		<1.8	0.78-J		0.41-J
Arsenic	7.5	3-12	4.3-16.4	11.9		9.4	11.2		11.4
Barium	300	15-600	33-104	78.2		81.5	76.7		110
Beryllium	0.16	0-1.75	0.38-0.67	0.84		0.87	0.89		1.1
Cadmium	1	0-1.75	0.21-0.52	0.7		0.18-J	0.72		0.27-J
Calcium	SB	130-35000	1280-46600	31300		8330	12500		4390
Chromium	10	1.5-40	9.3-17.5	23.1		26.4	24		26.6
Cobalt	30	2.5-60	5.3-12.2	15.1		15.7	16.3		19.4
Copper	25	1-50	13.4-26.9	40.3		45.2	45.3		49.9
Iron	2000	2000-550000	14100-25700	35200	44700	36300	37100	30400	38300
Lead	SB	NA	16.5-60.8	15.8		23.0	17.7		23.9
Magnesium	SB	100-5000	2150-13100	8970		7920	8440		6550
Manganese	SB	50-5000	197-875	801		703	662		976
Mercury	0.1	0.001-0.2	0.039-0.095	0.030-J		0.039	0.029		0.036
Nickel	13	0.5-25	10.6-24.8	40	5.9	36.8	36.2	13.1	41.8
Potassium	SB	8500-43000	443-1660	2050		2040	1990		2040
Selenium	2	0.1-3.9	0.44-1.2	1.7-J		<0.18	1.2-J		<0.18
Silver	SB	NA	0.16-0.17	<0.12		<0.046	<0.12		<0.047
Thallium	SB	NA	D-0.67	0.57-J		1.7-J	0.64-J		1.4-J
Vanadium	150	1-300	13.7-24	25.7		28.5	26.1		31.0
Zinc	20	9-50	46-134	85.8		95.6	703		104

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Metal	NYDEC (mg/kg)	East US BG	Site BG (mg/kg)	EX-AOI5-005A	EX-AOI5-005B	EX-AOI5-006	EX-AOI5-006A	EX-AOI5-006B	EX-AOI5-007
				10/6/2006	10/18/2006	9/18/2006	10/6/2006	10/18/2006	9/18/2006
Aluminum	SB	33000	7080-12800	15900	16200	15400	14900	15500	15400
Antimony	SB	NA	0.2-0.59	0.21-J		0.47-J	0.44-J		<1.8
Arsenic	7.5	3-12	4.3-16.4	8.7		9.8	9.3		10.2
Barium	300	15-600	33-104	181		75.5	78.6		79.6
Beryllium	0.16	0-1.75	0.38-0.67	0.8		0.82	0.79		0.86
Cadmium	1	0-1.75	0.21-0.52	0.86		0.28	0.69		0.26-J
Calcium	SB	130-35000	1280-46600	36300		18900	28800		24700
Chromium	10	1.5-40	9.3-17.5	22.3		24.1	21.4		24.3
Cobalt	30	2.5-60	5.3-12.2	11.8		16.0	13.8		18.9
Copper	25	1-50	13.4-26.9	35.9		44.7	39.5		47.5
Iron	2000	2000-550000	14100-25700	33700	29400	35100	33900	30400	35100
Lead	SB	NA	16.5-60.8	20.4		16.3	15		19.9
Magnesium	SB	100-5000	2150-13100	6960		8520	10100		9320
Manganese	SB	50-5000	197-875	642		581	710		898
Mercury	0.1	0.001-0.2	0.039-0.095	0.036		0.031-J	0.031-J		0.028-J
Nickel	13	0.5-25	10.6-24.8	<b>33.2</b>	9	<b>38.7</b>	<b>34.7</b>	8.1	<b>39.7</b>
Potassium	SB	8500-43000	443-1660	1640		2220	2110		2340
Selenium	2	0.1-3.9	0.44-1.2	1.7-J		<0.18	1.3-J		<0.17
Silver	SB	NA	0.16-0.17	<0.12		<0.046	<0.11		<0.045
Thallium	SB	NA	D-0.67	0.38-J		1.3-J	0.32-J		1.4-J
Vanadium	150	1-300	13.7-24	25.6		26.7	24.6		27.0
Zinc	20	9-50	46-134	111		95.6	88.5		102

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Metal	NYDEC (mg/kg)	East US BG	Site BG	EX-AOI5-007A	EX-AOI5-007B	EX-AOI5-008	EX-AOI5-008A	EX-AOI5-008B	EX-AOI5-009
				10/16/2006	10/18/2006	9/18/2006	10/6/2006	10/18/2006	9/18/2006
Aluminum	SB	33000	7080-12800	15100	15800	15500	15800	15800	15200
Antimony	SB	NA	0.2-0.59	0.63-J		<1.8	0.39-J		0.25-J
Arsenic	7.5	3-12	4.3-16.4	9.1		9.0	9.9		9.2
Barium	300	15-600	33-104	79.3		79.3	97.4		76.4
Beryllium	0.16	0-1.75	0.38-0.67	0.81		0.82	0.84		0.81
Cadmium	1	0-1.75	0.21-0.52	0.78		0.26	0.81		0.31-J
Calcium	SB	130-35000	1280-46600	23600		26800	28700		25500
Chromium	10	1.5-40	9.3-17.5	22		24.2	23		23.7
Cobalt	30	2.5-60	5.3-12.2	15.6		17.3	15.4		15.2
Copper	25	1-50	13.4-26.9	40.3		46.1	44		47.3
Iron	2000	2000-550000	14100-25700	32700	29700	34300	35300	31500	34500
Lead	SB	NA	16.5-60.8	16.2		16.9	17.2		15.9
Magnesium	SB	100-5000	2150-13100	8480		8970	9120		91.9
Manganese	SB	50-5000	197-875	679		724	646		648
Mercury	0.1	0.001-0.2	0.039-0.095	0.041		0.043	0.023-J		0.032-J
Nickel	13	0.5-25	10.6-24.8	35.6	6.69	38.0	36.9	5.07	36.1
Potassium	SB	8500-43000	443-1660	2750		2320	2300		2240
Selenium	2	0.1-3.9	0.44-1.2	1.6-J		<0.17	1.7-J		<0.18
Silver	SB	NA	0.16-0.17	<0.11		<0.045	<0.12		<0.046
Thallium	SB	NA	D-0.67	0.50-J		1.3-J	<0.29		2.0-J
Vanadium	150	1-300	13.7-24	24.8		26.9	25.7		26.4
Zinc	20	9-50	46-134	92		97.9	92.4		100

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Metal	NYDEC (mg/kg)	East US BG	Site BG	(mg/kg)	EX-AOI5-010	EX-AOI5-010A	EX-AOI5-010B	DUPE10606 (Dup 003A)	EX-AOI5-012 (Dup 003B)
					9/18/2006	10/6/2006	10/18/2006	10/6/2006	10/18/2006
Aluminum	SB	33000	7080-12800		16100	15800	10300	15700	12600
Antimony	SB	NA	0.2-0.59		<1.9	0.58-J		0.88-J	
Arsenic	7.5	3-12	4.3-16.4		8.2	9.3		10	
Barium	300	15-600	33-104		73.0	133		81.7	
Beryllium	0.16	0-1.75	0.38-0.67		0.80	0.8		0.83	
Cadmium	1	0-1.75	0.21-0.52		0.17-J	0.66		0.88	
Calcium	SB	130-35000	1280-46600		8970	22900		34900	
Chromium	10	1.5-40	9.3-17.5		22.9	21.6		22.7	
Cobalt	30	2.5-60	5.3-12.2		15.1	14.6		16.7	
Copper	25	1-50	13.4-26.9		36.3	36.3		43.2	
Iron	2000	2000-550000	14100-25700		33200	32400	18600	35000	26000
Lead	SB	NA	16.5-60.8		19.0	16.7		16	
Magnesium	SB	100-5000	2150-13100		3730	7120		8750	
Manganese	SB	50-5000	197-875		688	622		945	
Mercury	0.1	0.001-0.2	0.039-0.095		0.028-J	0.026-J		0.045	
Nickel	13	0.5-25	10.6-24.8		<b>32.3</b>	<b>31.7</b>	<2.90	<b>42.1</b>	7.59
Potassium	SB	8500-43000	443-1660		1870	1870		2050	
Selenium	2	0.1-3.9	0.44-1.2		<0.18	1.7-J		1.5-J	
Silver	SB	NA	0.16-0.17		<0.048	<0.12		<0.11	
Thallium	SB	NA	D-0.67		1.0-J	0.66-J		0.44-J	
Vanadium	150	1-300	13.7-24		28.1	26		25.3	
Zinc	20	9-50	46-134		86.8	95.9		93.9	

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