RP-1D	04/25/07	04/24/08
Arsenic-D	**6.0 A/D**	**6.9 A/**
Barium-D	12 A/D,J	ND(50) A/U
Cyanide-Free	ND(20) A/U	ND(5.0) A/U
Cyanide-AtoC	ND(20) A/U	ND(5.0) A/U
Iron-D	220 A/D,J	180 A/J
Lead-D	0.36 A/D,J	ND(2.0) A/U
Manganese-D	80 A/D	74 A/
Molybdenum-D	29 A/D,J	44 A/J
Nickel-D	17 A/D,J	ND(50) A/U
Selenium-D	ND(4.0) A/D,U	5.8 A/
Tin-D	1.3 A/D,J	ND(2.0) A/U
Vanadium-D	21 A/D,J	ND(50) A/U
Zinc-D	13 A/D	5.0 A/J

RGPZ-2D	01/20/05	03/24/05
Antimony-D	ND(10) /UD	4.8 /JD
Barium-D	130 /D	120 /D
Beryllium-D	0.38 /JD	ND(5.0) /UD
Copper-D	5.1 /JD	14 /JD
Cyanide-AtoC	NR	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Lead-D	0.79 /JD	7.3 /D
Mercury-D	0.058 /J	ND(0.20) /U
Molybdenum-D	17 /JD	27 /JD
Nickel-D	5.7 /JD	13 /JD
Selenium-D	14 J+/D	16 J+/D
Thallium-D	0.48 /JD	ND(5.0) /UD
Vanadium-D	26 /JD	30 J+/JD
Zinc-D	140 /D	150 /D

RGPZ-2C	10/26/04	03/29/05
Antimony-D	0.74 /J	ND(2.0) /U
Arsenic-D	**6.9**	**5.9**
Barium-D	ND(75) U/D	53 /D
Beryllium-D	ND(1.0) /U	0.096 /J
Chromium-D	4.3 /JD	ND(50) /UD
Copper-D	4.1 /JD	9.5 /JD
Cyanide-AtoC	NR	ND(20) /U
Cyanide-Free	ND(12) /U	ND(20) /U
Lead-D	0.057 /J	0.063 /J
Mercury-D	ND(0.20) /U	0.12 /JD
Molybdenum-D	20 /JD	15 /JD
Nickel-D	6.9 /JD	ND(50) /UD
Selenium-D	17	14 J+
Silver-D	ND(0.080) UJ/JB	0.22 /J
Thallium-D	0.12 /J	0.36 /J
Vanadium-D	43 /JD	ND(50) /UD
Zinc-D	110	90

RGPZ-2B	11/04/04	03/24/05
Antimony-D	NR	0.90 /J
Arsenic-D	NR	**6.5 J+**
Barium-D	NR	230 /D
Cadmium-D	NR	0.020 /J
Copper-D	NR	4.7 /JD
Cyanide-AtoC	NR	ND(20) /U
Cyanide-Free	NR	ND(20) /U
Molybdenum-D	NR	99 /JD
Nickel-D	NR	5.8 /JD
Selenium-D	NR	6.6 J+
Thallium-D	NR	0.047 /J
Zinc-D	NR	110

MW-27D	07/10/00
Arsenic-D	**3.0**
Barium-D	460 /D
Cobalt-D	9.0 /JD
Cyanide-AtoC	ND(20) /U
Cyanide-Free	ND(20) /U
Molybdenum-D	20 /JD
Silver-D	40 /JD
Tin-D	8.0 /JD
Zinc-D	94 /JD

RGPZ-9B	11/11/04	03/24/05	03/25/05
Antimony-D	1.5 /J	1.6 /J	NS
Arsenic-D	**6.9**	**2.4 J+**	NS
Barium-D	75 /D	97 /D	NS
Beryllium-D	0.052 J-/J	0.038 /J	NS
Cadmium-D	1.1 /B	ND(1.0) /U	NS
Chromium-D	23 /JD	ND(50) /UD	NS
Copper-D	ND(50) /UD	5.7 /JD	NS
Cyanide-AtoC	NR	NS	ND(20) /U
Cyanide-Free	ND(12) /U	NS	7.5 /J
Lead-D	0.084 /J	0.14 /J	NS
Mercury-D	ND(0.20) /U	0.052 /J	NS
Molybdenum-D	59 /JD	43 /JD	NS
Nickel-D	17 /JD	12 /JD	NS
Selenium-D	24 J+	9.8 J+	NS
Thallium-D	ND(1.0) /U	0.11 /J	NS
Vanadium-D	86 /D	ND(50) /UD	NS
Zinc-D	170	120	NS

RGPZ-10B	10/29/04
Cyanide-AtoC	NR
Cyanide-Free	NR
Metals	NR

RGPZ-11C	01/20/05	03/31/05
Antimony-D	ND(10) /UD	2.5 /JD
Arsenic-D	ND(10) /UD	**16 J/D**
Barium-D	71 /D	71 /D
Beryllium-D	0.48 /JD	ND(5.0) /UD
Cyanide-AtoC	NR	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Lead-D	1.8 /JD	0.30 /JD
Mercury-D	0.058 /J	ND(0.20) /U
Molybdenum-D	25 /JD	17 /JD
Nickel-D	11 /JD	ND(50) /UD
Selenium-D	8.6 J+/JD	18 /JD
Thallium-D	ND(5.0) /UD	0.42 /JD
Zinc-D	130 /D	200 /D

MW-25D	07/10/00
Arsenic-D	**9.3**
Barium-D	20 /JD
Cobalt-D	10 /JD
Copper-D	30 /JD
Cyanide-AtoC	ND(20) /U
Cyanide-Free	ND(20) /U
Zinc-D	8.5 /JD

RP-41B	11/19/99	07/12/00
Arsenic-D	**1.62 /J**	**2.1**
Barium-D	18 /JD	70 /JD
Copper-D	ND(50) /UD	100 /D
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Lead-D	ND(10) /UD	2.0 /JD
Mercury-D	0.12 /J	ND(0.20) UJ/U
Molybdenum-D	22 /JD	ND(50) /UD
Thallium-D	3.0 /JD	ND(4.0) /UD
Zinc-D	ND(250) /UD	230 /JD

RP-61B	11/17/99	07/12/00
Arsenic-D	ND(2.0) /U	**1.3 /J**
Barium-D	7.5 /JD	40 /JD
Cobalt-D	ND(250) /UD	8.0 /JD
Copper-D	ND(50) /UD	100 /D
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Lead-D	2.0 /JD	ND(20) /UD
Zinc-D	7.5 /JD	120 /JD

RP-109D	04/26/07	04/23/08
Arsenic-D	**4.5 A/D,J**	ND(10) A/U
Barium-D	19 A/D,J	ND(100) A/U
Cyanide-Free	NS	NS
Cyanide-AtoC	NS	NS
Lead-D	1.1 A/D,J	0.30 A/J
Manganese-D	41 A/D,J	ND(100) A/U
Nickel-D	10 A/D,J	ND(100) A/U
Selenium-D	9.2 A/D,J	4.2 A/J
Thallium-D	ND(5.0) A/D,U	0.46 A/J
Tin-D	ND(5.0) A/D,U	3.2 A/J
Vanadium-D	27 A/D,J	ND(100) A/U
Zinc-D	11 A/D,J	5.6 A/J

RIPZ-15	05/08/06	10/24/06
Arsenic-D	**6.4**	**4.7**
Barium-D	12	14 /J
Beryllium-D	0.069 /J	ND(1.0)
Cadmium-D	**0.33 /J**	ND(1.0)
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Lead-D	0.66 J/J	0.29 /J
Mercury-D	0.040 /J	ND(0.20)
Selenium-D	9.4	12
Silver-D	0.20 /J	ND(1.0)
Thallium-D	0.84 /J	ND(1.0)
Vanadium-D	8.4 /J	ND(50)
Zinc-D	14	7.2

RIPZ-16	05/09/06	10/23/06
Arsenic-D	**10 /D**	**4.2**
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Lead-D	0.58 J/JD	ND(2.0)
Mercury-D	0.042 /J	0.028 /J
Selenium-D	11 /D	12
Silver-D	0.27 /JD	ND(2.0)
Thallium-D	0.97 /JD	ND(2.0)
Vanadium-D	30 /JD	ND(50)
Zinc-D	13 /D	6.0 /J

RGPZ-3D	10/26/04	04/07/05
Antimony-D	0.67 /J	ND(10) /UD
Arsenic-D	**6.8**	**5.0 /JD**
Barium-D	150 /D	53 /D
Copper-D	5.8 /JD	ND(50) /UD
Cyanide-AtoC	NR	ND(20) /U
Cyanide-Free	ND(12) /U	ND(20) /U
Lead-D	0.13 /J	ND(5.0) /UD
Selenium-D	18	10 /D
Thallium-D	0.23 /J	ND(5.0) /UD
Vanadium-D	15 /JD	ND(50) /UD
Zinc-D	70	84 /D

MW-4BL	04/15/02
Arsenic-D	**9.3 /D**
Barium-D	100 /D
Cyanide-AtoC	NS
Cyanide-Free	NS
Lead-D	0.62 /JD
Mercury-D	0.046 /J
Selenium-D	11 /D

RGPZ-3C	01/20/05	04/07/05
Arsenic-D	NR	**5.4 /JD**
Barium-D	NR	61 /D
Cyanide-AtoC	NR	ND(20) /U
Cyanide-Free	NR	ND(20) /U
Molybdenum-D	NR	29 /JD
Selenium-D	NR	4.2 /JD
Vanadium-D	NR	14 /JD
Zinc-D	NR	87 /D

RGPZ-4C	10/27/04	04/14/05
Antimony-D	0.46 /J	ND(10) /UD
Arsenic-D	**2.7**	**3.8 J+/JD**
Barium-D	130 /D	65 /D
Beryllium-D	ND(1.0) /U	0.20 /JD
Copper-D	4.9 /JD	ND(50) /UD
Cyanide-AtoC	NR	ND(20) /U
Cyanide-Free	ND(12) /U	ND(20) /U
Lead-D	ND(1.0) /U	0.56 /JD
Nickel-D	ND(50) /UD	7.6 /JD
Selenium-D	8.1	**590 J+/D**
Vanadium-D	30 /JD	25 /JD
Zinc-D	70	110 /D

RP-54C	11/19/99	07/05/00
Arsenic-D	**1.08 /J**	ND(2.0) /U
Barium-D	14 /JD	60 /JD
Copper-D	ND(50) /UD	70 /D
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Molybdenum-D	21 /JD	ND(250) /UD
Thallium-D	**4.0 /D**	ND(4.0) /UD
Zinc-D	ND(250) /UD	64 /JD

RP-55C-2	11/30/99	07/14/00
Arsenic-D	**1.2 /J**	**1.6 /J**
Barium-D	ND(100) /UD	80 /JD
Copper-D	ND(50) /UD	20 /JD
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Zinc-D	ND(250) /UD	68 /JD

RGPZ-14D	11/02/04	03/24/05
Arsenic-D	**5.8 /JD**	ND(10) /UD
Barium-D	100 /D	92 /D
Copper-D	4.7 /JD	ND(50) /UD
Cyanide-AtoC	NR	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Lead-D	0.84 /JD	0.80 /JD
Mercury-D	ND(0.20) /U	0.050 /J
Selenium-D	5.6 /JD	13 J+/D
Thallium-D	1.1 /JD	ND(5.0) /UD
Vanadium-D	36 /JD	18 J+/JD
Zinc-D	110 /D	130 /D

DB-1	04/26/07	04/18/08
Antimony-D	2.5 A/B,D	ND(10) A/U
Arsenic-D	**6.7 A/D**	**4.6 A/J**
Barium-D	39 A/D,J	34 A/J
Cadmium-D	0.18 A/D,J	0.13 A/J
Copper-D	ND(50) A/D,U	8.8 A/J
Cyanide-Free	NS	ND(5.0) A/U
Cyanide-AtoC	NS	ND(5.0) A/U
Lead-D	0.40 A/D,J	0.22 A/J
Manganese-D	34 A/D,J	30 A/J
Molybdenum-D	ND(250) A/D,U	19 A/J
Nickel-D	45 A/D,J	ND(50) A/U
Selenium-D	6.8 A/D	7.7 A/J
Silver-D	0.010 A/D,J	ND(5.0) A/U
Thallium-D	0.10 A/D,J	ND(5.0) A/U
Tin-D	0.036 A/D,J	ND(5.0) A/U
Vanadium-D	32 A/D,J	10 A/J
Zinc-D	8.9 A/D,J	1.4 A/J

RGPZ-15B	10/19/04	03/23/05
Antimony-D	ND(2.0) /U	0.99 /J
Arsenic-D	**5.9 J+**	**3.4 J+**
Barium-D	ND(120) U/D	160 /D
Beryllium-D	ND(1.0) /U	0.95 /JB
Cadmium-D	0.96 /J	0.48 /J
Chromium-D	6.2 /JD	14 /JD
Copper-D	4.7 /JD	5.9 /JD
Cyanide-AtoC	NR	ND(20) /U
Cyanide-Free	ND(12) /U	ND(20) /U
Lead-D	0.089 /J	0.12 /J
Mercury-D	ND(0.20) /U	0.098 /J
Molybdenum-D	56 /JD	36 /JD
Nickel-D	14 /JD	87 /D
Selenium-D	15 J+	13 J+
Silver-D	0.056 /J	0.024 J-/J
Thallium-D	0.065 /J	ND(1.0) /U
Vanadium-D	56 /D	82 J+/D
Zinc-D	100	100

RGPZ-16D	11/04/04	03/24/05
Arsenic-D	**17 /D**	**19 J+/D**
Barium-D	90 /D	40 /JD
Beryllium-D	0.96 J-/JD	ND(5.0) /UD
Copper-D	5.7 /JD	6.9 /JD
Cyanide-AtoC	NR	ND(20) /U
Cyanide-Free	ND(12) /U	ND(20) /U
Lead-D	ND(5.0) /UD	0.58 /JD
Mercury-D	ND(0.050) U/J	0.048 /J
Molybdenum-D	19 /JD	15 /JD
Nickel-D	7.3 /JD	ND(50) /UD
Selenium-D	8.1 /JD	13 J+/D
Vanadium-D	ND(50) /UD	27 J+/JD
Zinc-D	98 /D	100 /JD

MW-7D	11/12/99	06/29/00
Arsenic-D	**3.4**	**8.8**
Barium-D	416 /D	450 /D
Cobalt-D	ND(250) /UD	10 /JD
Copper-D	ND(50) /UD	30 /JD
Cyanide-AtoC	NS	ND(20) /U
Cyanide-Free	NS	ND(20) /U
Lead-D	2.0 /JD	ND(10) /UD
Zinc-D	4.5 /JD	ND(250) /UD

WP-3D	11/12/99	07/12/00
Antimony-D	4.0 /JD	ND(8.0) /UD
Arsenic-D	**3.0**	**2.9**
Barium-D	16 /JD	50 /JD
Chromium-D	24 /JD	ND(50) /UD
Copper-D	39 /JD	30 /JD
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Lead-D	3.0 /JD	5.0 /JD
Molybdenum-D	39 /JD	ND(250) /UD
Vanadium-D	20 /JD	ND(50) /UD
Zinc-D	ND(250) /UD	160 /JD

RP-53C	05/08/07	04/23/08
Barium-D	16 A/D,J	ND(100) A/U
Chromium-D	ND(50) A/D,U	15 A/J
Cyanide-Free	NS	NS
Cyanide-AtoC	NS	NS
Iron-D	790 A/D	630 A
Lead-D	ND(5.0) A/D,U	0.36 A/J
Manganese-D	35 A/D,J	8.4 A/J
Mercury-D	0.052 A/B,J	0.018 A/J
Molybdenum-D	ND(250) A/D,U	50 A/J
Nickel-D	14 A/D,J	ND(100) A/U
Selenium-D	8.9 A/D,J	1.3 A/JD
Thallium-D	0.39 A/D,J	0.58 A/J
Vanadium-D	47 A/D,J	ND(100) A/U
Zinc-D	7.6 A/D,J	ND(25) A/U

RGPZ-6C	11/02/04	04/14/05
Arsenic-D	**2.3**	**4.2 J+/JD**
Barium-D	57 /D	38 /JD
Beryllium-D	0.053 /J	0.14 /JD
Cyanide-AtoC	NR	ND(20) /U
Cyanide-Free	ND(12) /U	ND(20) /U
Lead-D	0.028 /J	ND(5.0) /UD
Nickel-D	ND(50) /UD	5.9 /JD
Selenium-D	5.9	21 J+/D
Thallium-D	0.088 /J	ND(5.0) /UD
Vanadium-D	34 /JD	22 /JD
Zinc-D	100	100 /D

RGPZ-6D	01/20/05	04/06/05
Antimony-D	5.7 /JD	3.6
Arsenic-D	**12 J+/D**	**24**
Barium-D	110 /D	330 /D
Beryllium-D	0.54 /JD	0.057 /J
Chromium-D	6.1 /JD	ND(50) /UD
Copper-D	21 /JD	ND(50) /UD
Cyanide-AtoC	NR	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Lead-D	1.2 /JD	0.79 /J
Mercury-D	0.058 /J	0.058 /J
Molybdenum-D	38 /JD	14 /JD
Selenium-D	32 J+/D	32 J+
Vanadium-D	14 /JD	15 /JD
Zinc-D	5.8 /JD	130

RP-72D	05/03/07	04/24/08
Antimony-D	0.065 A/J	0.53 A/J
Arsenic-D	**5.0 A/B**	**6.6 A**
Barium-D	130 A/D	140 A
Cyanide-Free	NS	NS
Cyanide-AtoC	NS	NS
Iron-D	640 A/D	560 A
Lead-D	ND(1.0) A/U	0.046 A/J
Manganese-D	29 A/D,J	11 A/J
Mercury-D	0.15 A/B,J	ND(0.20) A/U
Molybdenum-D	ND(250) A/D,U	16 A/J
Selenium-D	9.6 J-	16 A
Silver-D	0.13 J-/J	ND(2.0) A/U
Thallium-D	ND(1.0) A/U	0.22 A/J
Tin-D	0.23 A/J	0.15 A/J
Vanadium-D	17 A/D,J	ND(50) A/U
Zinc-D	2.5 A/J	ND(10) A/U

RP-4D	04/26/07	04/23/08
Antimony-D	0.76 A/B,D	ND(10) A/U
Arsenic-D	**5.0 A/D**	**4.5 A/J**
Barium-D	14 A/D,J	ND(100) A/U
Cadmium-D	**0.27 A/D,J**	ND(5.0) A/U
Copper-D	10 A/D,J	ND(100) A/U
Cyanide-Free	NS	NS
Cyanide-AtoC	NS	NS
Iron-D	730 A/D	430 A/J
Lead-D	1.5 A/D,J	ND(5.0) A/U
Manganese-D	79 A/D	41 A/J
Nickel-D	12 A/D,J	ND(100) A/U
Selenium-D	5.6 A/D	2.5 A/J
Tin-D	0.10 A/D,J	1.1 A/J
Vanadium-D	22 A/D,J	ND(100) A/U
Zinc-D	23 A/D	60 A/

B3B	04/27/99	07/06/00
Arsenic-D	**2.4**	**1.8 /J**
Barium-D	264 /UD	200 /D
Copper-D	1170 /UD	100 /D
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Lead-D	**24 /D**	ND(5.0) /UD
Silver-D	ND(50) /UD	40 /JD
Thallium-D	ND(4.0) /UD	**10 /D**
Zinc-D	450 /UD	150 /JD

RG-1C	04/30/99	07/19/00
Arsenic-D	**6.4**	**7.3**
Barium-D	ND(100) /UD	40 /JD
Copper-D	ND(50) /UD	70 /D
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Lead-D	ND(5.0) /UD	2.0 /JD
Molybdenum-D	64 /JD	30 /JD
Zinc-D	ND(250) /UD	68 /JD

RP-75C	05/03/07	04/28/08
Arsenic-D	**2.7 A/B**	**2.7 A/J**
Barium-D	18 A	15 A/JD
Cyanide-Free	NS	NS
Cyanide-AtoC	NS	NS
Iron-D	1000 A	960 A/D
Lead-D	0.056 A/J	ND(2.0) A/U
Manganese-D	94 A/B	82 A/D
Mercury-D	0.052 A/J	ND(0.20) A/U
Molybdenum-D	ND(50) A/U	19 A/JD
Nickel-D	7.7 A/J	ND(50) A/UD
Selenium-D	4.4 J-	2.9 A/J
Thallium-D	0.12 A/J	0.11 A/J
Tin-D	0.026 A/J	ND(2.0) A/U
Vanadium-D	11 A/B	ND(50) A/UD
Zinc-D	7.0 A	8.8 A/J

RGPZ-8D	11/05/04	04/15/05
Cyanide-AtoC	NR	NR
Cyanide-Free	NR	NR
Metals	NR	NR

RP-107D	11/18/99	06/30/00
Arsenic-D	**1.32 /J**	ND(2.0) /U
Barium-D	20 /JD	50 /JD
Cadmium-D	**22 /JD**	ND(50) /UD
Copper-D	ND(50) /UD	40 /JD
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Molybdenum-D	26 /JD	ND(250) /UD
Silver-D	26 /JD	ND(50) /UD
Thallium-D	**4.0 /D**	ND(10) /UD
Zinc-D	ND(250) /UD	58 /BJD

RP-94D	05/09/07	04/17/08
Arsenic-D	**8.9 A/D,J**	**13 A**
Barium-D	26 A/D,J	25 A/J
Cadmium-D	ND(5.0) A/D,U	0.075 A/J
Cyanide-Free	ND(20) A/U	ND(0.010) A/U
Cyanide-AtoC	ND(20) A/U	ND(0.010) A/U
Iron-D	150 A/D,J	95 A/J
Lead-D	0.88 A/D,J	0.54 A/J
Manganese-D	90 A/D	69 A/J
Selenium-D	9.6 A/D,J	13 A/D
Thallium-D	ND(5.0) A/D,U	0.44 A/J
Vanadium-D	39 A/D,J	ND(100) A/U
Zinc-D	19 A/D,J	5.7 A/JD

RP-98C	11/22/99	07/19/00
Antimony-D	4.0 /JD	ND(8.0) /UD
Arsenic-D	**5.7**	ND(2.0) /U
Barium-D	13 /JD	350 /D
Cadmium-D	ND(50) /UD	**40 /JD**
Chromium-D	ND(50) /UD	30 /JD
Cobalt-D	60 /JD	40 /JD
Copper-D	ND(50) /UD	540 /D
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	8.0 /J	18 /J
Nickel-D	**450 /D**	**630 /D**
Selenium-D	5.5	29
Tin-D	ND(20) /UD	10 /JD
Zinc-D	48 /JD	190 /JD

A2B	12/09/99	07/06/00
Arsenic-D	ND(2.0) /U	**1.4 /J**
Barium-D	8.0 /JD	70 /JD
Copper-D	ND(50) /UD	200 /D
Cyanide-AtoC	ND(0.020)	ND(20) /U
Cyanide-Free	ND(0.020)	ND(20) /U
Zinc-D	10 /JD	60 /JD

RP-101C	12/02/99	06/28/00
Arsenic-D	**4.4**	**3.2**
Barium-D	5.5 /JD	90 /JD
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Molybdenum-D	34 /JD	ND(250) /UD
Nickel-D	ND(250) /UD	30 /JD
Silver-D	22 /JD	ND(50) /UD
Zinc-D	ND(250) /UD	66 /JD

RP-96C-2	11/17/99	07/18/00
Antimony-D	5.0 /JD	ND(20) /UD
Barium-D	5.5 /JD	8.0 /JD
Chromium-D	ND(50) /UD	30 /JD
Copper-D	ND(50) /UD	360 /D
Cyanide-AtoC	ND(20) /U	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Lead-D	2.0 /JD	2.0 /JD
Zinc-D	26 /JD	38 /JD

WP-8D	05/03/06	05/01/07
Antimony-D	ND(2.0) /U	0.48 A/D,J
Arsenic-D	**0.65 /J**	**3.2 A/D,J**
Barium-D	ND(50) /UD	11 A/D,J
Beryllium-D	0.014 /J	ND(2.0) A/D,U
Cadmium-D	ND(1.0) /U	0.082 A/D,J
Cyanide-Free	ND(20) /U	ND(20) A/U
Cyanide-AtoC	ND(20) /U	ND(20) A/U
Iron-D	310 /D	180 A/D,J
Lead-D	ND(1.0) /U	0.38 A/D,J
Manganese-D	ND(50) /UD	23 A/D,J
Mercury-D	ND(0.20) /U	0.062 A/J
Selenium-D	1.4 /J	7.4 A/D
Vanadium-D	24 /JD	23 A/B,D
Zinc-D	ND(2.7) U/J	13 A/B,D

RP-95D	07/12/00
Arsenic-D	**11**
Barium-D	720 /D
Cobalt-D	7.0 /JD
Cyanide-AtoC	ND(20) /U
Cyanide-Free	ND(20) /U
Zinc-D	220 /JD

RGPZ-13C	01/20/05	04/13/05
Antimony-D	3.2 /JD	ND(10) /UD
Arsenic-D	**5.2 J+/JD**	**16 /D**
Barium-D	95 /D	87 /D
Beryllium-D	0.62 /JD	0.20 /JD
Cadmium-D	0.38 /JD	ND(5.0) /UD
Copper-D	12 /JD	ND(50) /UD
Cyanide-AtoC	NR	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Lead-D	0.62 /JD	ND(5.0) /UD
Mercury-D	0.055 /J	ND(0.20) /U
Molybdenum-D	57 /JD	70 /JD
Nickel-D	7.6 /JD	5.6 /JD
Selenium-D	16 J+/D	5.8 J+/JD
Vanadium-D	33 /JD	36 /JD
Zinc-D	96 /D	16 /JD

RP-63C	04/25/07	04/17/08
Arsenic-D	**3.2 A/D,J**	**11 A/**
Barium-D	20 A/D,J	ND(100) A/U
Chromium-D	ND(50) A/D,U	15 A/J
Cyanide-Free	ND(20) A/U	ND(5.0) A/U
Cyanide-AtoC	ND(20) A/U	ND(5.0) A/U
Iron-D	2100 A/D	1200 A/
Lead-D	0.24 A/D,J	0.70 A/J
Manganese-D	300 A/D	290 A/
Molybdenum-D	ND(250) A/D,U	39 A/J
Nickel-D	36 A/D,J	ND(100) A/U
Selenium-D	ND(10) A/D,U	1.2 A/J
Tin-D	0.10 A/D,J	0.65 A/J
Vanadium-D	56 A/D	ND(100) A/U
Zinc-D	22 A/D,J	15 A/J

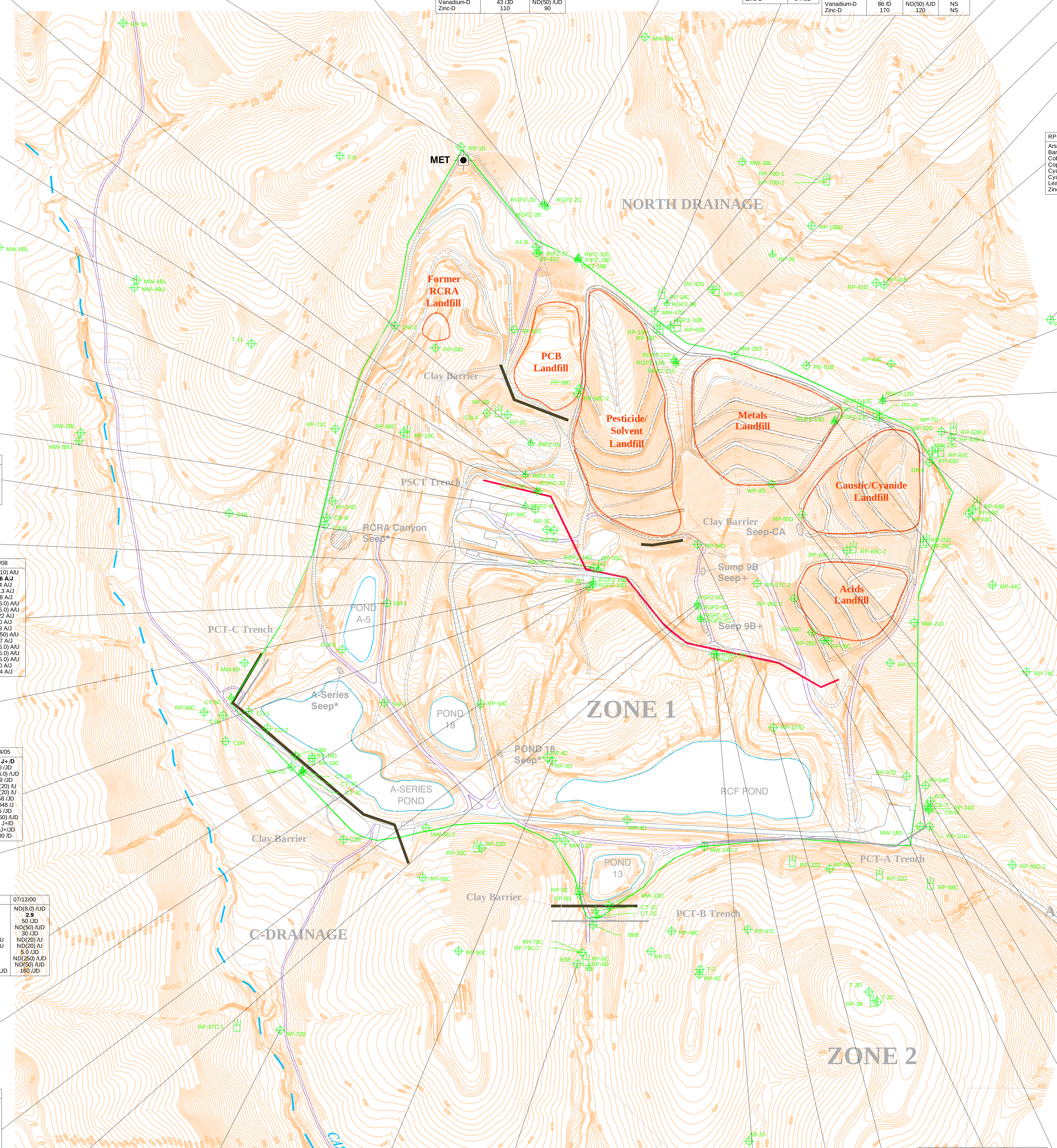
WP-7D	05/01/07	04/17/08
Antimony-D	0.27 A/D,J	ND(10) A/U
Arsenic-D	**6.8 A/D**	**14 A/**
Barium-D	32 A/D,J	32 A/J
Cadmium-D	0.048 A/D,J	ND(5.0) A/U
Cyanide-Free	ND(20) A/U	ND(5.0) A/U
Cyanide-AtoC	ND(20) A/U	ND(5.0) A/U
Iron-D	720 A/D	560 A/
Lead-D	0.69 A/D,J	0.36 A/J
Manganese-D	66 A/D	51 A/J
Mercury-D	0.028 A/J	ND(0.20) A/U
Molybdenum-D	ND(250) A/D,U	25 A/J
Nickel-D	24 A/D,J	ND(100) A/U
Selenium-D	13 A/D	12 A/
Silver-D	ND(2.0) A/D,U	0.18 A/J
Thallium-D	ND(2.0) A/D,U	0.39 A/J
Tin-D	ND(2.0) A/D,U	3.4 A/J
Vanadium-D	25 A/B,D	ND(100) A/U
Zinc-D	15 A/B,D	9.9 A/J

RP-62B-1	04/25/07	04/17/08
Arsenic-D	ND(10) A/D,U	**14 A/**
Barium-D	23 A/D,J	ND(100) A/U
Cadmium-D	**0.34 A/D,J**	**0.45 A/J**
Chromium-D	ND(50) A/D,U	28 A/J
Copper-D	13 A/D,J	ND(100) A/U
Cyanide-Free	ND(20) A/U	ND(5.0) A/U
Cyanide-AtoC	ND(20) A/U	ND(5.0) A/U
Iron-D	350 A/D	190 A/J
Lead-D	ND(5.0) A/D,U	0.82 A/J
Manganese-D	340 A/D	310 A/
Molybdenum-D	43 A/D,J	52 A/J
Nickel-D	47 A/D,J	ND(100) A/U
Selenium-D	5.4 A/D,J	5.7 A/J
Tin-D	0.17 A/D,J	ND(5.0) A/U
Vanadium-D	56 A/D	ND(100) A/U
Zinc-D	31 A/D	25 A/

RP-62D	04/25/07	04/17/08
Arsenic-D	**4.5 A/D,J**	**13 A/**
Barium-D	32 A/D,J	27 A/J
Copper-D	28 A/D,J	ND(100) A/U
Cyanide-Free	ND(20) A/U	ND(5.0) A/U
Cyanide-AtoC	ND(20) A/U	ND(5.0) A/U
Lead-D	1.1 A/D,J	0.20 A/J
Manganese-D	63 A/D	45 A/J
Mercury-D	ND(0.20) A/U	0.018 A/J
Selenium-D	7.1 A/D,J	6.4 A/J
Thallium-D	0.36 A/D,J	ND(5.0) A/U
Vanadium-D	25 A/D,J	ND(100) A/U
Zinc-D	26 A/D	71 A/

RGPZ-12C	11/05/04	03/23/05
Antimony-D	1.3 /J	4.1 /JD
Arsenic-D	**41 J+**	**51 J+/D**
Barium-D	68 /D	120 /D
Beryllium-D	0.21 J-/J	4.6 /JDB
Chromium-D	6.7 /JD	4.5 /JD
Copper-D	ND(50) /UD	7.4 /JD
Cyanide-AtoC	NR	ND(20) /U
Cyanide-Free	ND(20) /U	ND(20) /U
Lead-D	0.17 /J	6.3 /D
Mercury-D	ND(0.20) UJ/U	0.055 /J
Molybdenum-D	61 /JD	28 /JD
Nickel-D	ND(50) /UD	7.3 /JD
Selenium-D	56 J+	42 J+/D
Thallium-D	0.049 /J	ND(5.0) /UD
Tin-D	ND(1.0) /U	1.9 /JD
Vanadium-D	61 /D	78 J+/D
Zinc-D	17	68 /D

RGPZ-12D	05/03/07	04/18/08
Antimony-D	4.6 A/D	ND(10) A/U
Arsenic-D	**12 A/B,D**	**11 A/**
Barium-D	21 A/D,J	ND(100) A/U
Cadmium-D	0.12 A/D,J	0.78 A/J
Copper-D	ND(50) A/D,U	27 A/J
Cyanide-Free	ND(20) A/U	ND(10) A/U
Cyanide-AtoC	ND(20) A/U	ND(5.0) A/U
Iron-D	ND(250) A/D,U	1200 A/
Lead-D	0.32 A/D,J	2.7 A/J
Manganese-D	100 A/D	110 A/
Nickel-D	12 A/D,J	ND(100) A/U
Selenium-D	16 A/D	15 A/
Silver-D	0.010 J-/D,J	0.38 A/J
Tin-D	0.056 A/D,J	ND(5.0) A/U
Vanadium-D	36 A/D,J	ND(100) A/U
Zinc-D	19 A/D	33 A/



LEGEND

(symbol)	Burial Trench
(symbol)	Landfill Boundaries
(symbol)	Facility and Zone 1 Boundary
(symbol)	Perimeter Source Control Trench (PSCT)
(symbol)	Plume Capture Collection Trench (PCT)
(symbol)	Clay Barrier
(symbol)	Creek
(symbol)	Pond Outline
RP-63B	Lower HSU Vibrating Wire Transducer
CT-1C	Lower HSU Piezometer
RP-63C	Lower HSU Monitoring Well
MET	Meteorological Station

B-30	10/17/96
1,2-DCB	580 J/B

Well Number
Date (Month/Day/Year)
Groundwater Concentrations in Micrograms Per Liter
Validation Qualifier/Laboratory Qualifier
Chemical

List of chemical abbreviations and data qualifiers provided in text.

Two most current sampling events posted.

No results posted indicates no chemicals reported above detection limits.

Laboratory and Validation Qualifiers:

- "D" The sample or sample extract was diluted prior to analysis due to high levels of target analytes or matrix interferences.
- "B" The analyte was detected in an associated blank sample.
- "J" The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. For the inorganic methods, a "+" or "-" may be added to indicate high or low bias.
- "N" The analysis indicates the presence of an anlyte for which there is presumptive evidence to make a tentative identification.
- "NJ" The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated value represents an approximate concentration.
- "U" Compound was analyzed, but not detected above the listed sample quantitation limit.
- "UJ" The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is an estimate.
- "R" The result is rejected due to a serious deficiency in the analysis or associated quality control analysis.
- "*" Indicates that the qualifier was applied in response to a Level IV review finding.

The widths of the clay barriers, PSCT, and PCT trenches are exaggerated for presentation purposes.

Bold values indicate exceedences of MCL/PRGs.

ND Not detected, but sampled and analyzed
NR Not sampled/analyzed due to lack of water recovered from sampling location.
NS Not sampled

NOTES:

Topo map revised 1998, 2000, 2004. Topo with P/S landfill and borrow area revised 2000. (Foster-Wheeler).

Zone 1 boundary (green) is approximate and includes the area within the facility boundary.

4088097619023.DWG 40.0
20100115.0934

NO.	DATE	REVISIONS	BY	CHK

DRAWN: PCB
ENGINEER:
CHECKED: NAM
DATE: 1/2011
PROJECT NO: 4088097619
SCALE: 1"= 400'
APPROVED: WJF
DATE: 1/2011

Final Remedial Investigation Report

Casmalia Resources Superfund Site
Casmalia, California

Cyanide and Dissolved Metals in the Lower HSU Remedial Investigation Sampling

FIGURE **G-13**
SHEET: 1 OF 1
REVISION NUMBER: 0
DATE: January 2011