

A&PC Report of Analysis

Report Recipients: LAURENE ROWELL

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Login Date: 23-Jan-04

VAST Sample ID: 04-0074

Sample Point:	EVACUATED CANISTERS
Sample Type:	POWDER-DUST
Collected:	9/20/2002 0930

Department	FCP
Customer's ID:	SHD-WV-998-01,02

Analysis	Result ***	Uncertainty	Lab Use Only
Ag	<3.43E+2	ug/g	Rep10 (1DB REPEAT): no flags
Ag	<2.92E+2	ug/g	Rep11 (2DB REPEAT): no flags
Ag	<2.74E+2	ug/g	Rep12 (3DB REPEAT): no flags
Ag	<2.71E+2	ug/g	Rep13 (4DB REPEAT): no flags
Ag	<2.82E+2	ug/g	Rep14 (5DB REPEAT): no flags
Ag	<2.53E+2	ug/g	Rep15 (6DB REPEAT): no flags
Ag	<2.78E+2	ug/g	Rep16 (7DB REPEAT): no flags
Ag	<2.75E+2	ug/g	Rep17 (8DB REPEAT): no flags
Ag	<2.86E+2	ug/g	Rep18 (9DB REPEAT): no flags
Al	3.89E+4	ug/g	Rep10 (1DB REPEAT): no flags
Al	3.89E+4	ug/g	Rep10 (1DB REPEAT): no flags
Al	3.95E+4	ug/g	Rep11 (2DB REPEAT): no flags
Al	3.95E+4	ug/g	Rep11 (2DB REPEAT): no flags
Al	4.05E+4	ug/g	Rep12 (3DB REPEAT): no flags
Al	4.05E+4	ug/g	Rep12 (3DB REPEAT): no flags
Al	4.20E+4	ug/g	Rep13 (4DB REPEAT): no flags
Al	4.20E+4	ug/g	Rep13 (4DB REPEAT): no flags
Al	3.81E+4	ug/g	Rep14 (5DB REPEAT): no flags
Al	3.81E+4	ug/g	Rep14 (5DB REPEAT): no flags

Approved By	
Name	Date & Time



Login Date: 23-Jan-04

VAST Sample ID: 04-0074

Sample Point:	EVACUATED CANISTERS	
Sample Type:	POWDER-DUST	
Collected:	9/20/2002	0930

Department	FCP
Customer's ID:	SHD-WV-998-01,02

Analysis	Result ***	Uncertainty	Lab Use Only
Al	3.58E+4	ug/g	Rep15 (6DB REPEAT): no flags
Al	3.58E+4	ug/g	Rep15 (6DB REPEAT): no flags
Al	3.45E+4	ug/g	Rep16 (7DB REPEAT): no flags
Al	3.45E+4	ug/g	Rep16 (7DB REPEAT): no flags
Al	4.00E+4	ug/g	Rep17 (8DB REPEAT): no flags
Al	4.00E+4	ug/g	Rep17 (8DB REPEAT): no flags
Al	3.85E+4	ug/g	Rep18 (9DB REPEAT): no flags
Al	3.85E+4	ug/g	Rep18 (9DB REPEAT): no flags
As	3.65E+2	ug/g	Rep1 (1DB): no flags
As	<2.26E+2	ug/g	Rep2 (2DB): no flags
As	<2.85E+2	ug/g	Rep3 (3DB): no flags
As	<2.73E+2	ug/g	Rep4 (4DB): no flags
As	<2.44E+2	ug/g	Rep5 (5DB): no flags
As	<2.66E+2	ug/g	Rep6 (6DB): no flags
As	<2.78E+2	ug/g	Rep7 (7DB): no flags
As	<2.78E+2	ug/g	Rep8 (8DB): no flags
As	<2.64E+2	ug/g	Rep9 (9DB): no flags
B	3.88E+4	ug/g	Rep1 (1DB): no flags
B	3.88E+4	ug/g	Rep1 (1DB): no flags
B	3.83E+4	ug/g	Rep2 (2DB): no flags
B	3.83E+4	ug/g	Rep2 (2DB): no flags
B	3.90E+4	ug/g	Rep3 (3DB): no flags
B	3.90E+4	ug/g	Rep3 (3DB): no flags
B	3.76E+4	ug/g	Rep4 (4DB): no flags
B	3.76E+4	ug/g	Rep4 (4DB): no flags

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Sample Point:	EVACUATED CANISTERS	
Sample Type:	POWDER-DUST	
Collected:	9/20/2002	0930

Department	FCP
Customer's ID:	SHD-WV-998-01,02

Analysis	Result ***	Uncertainty	Lab Use Only
B	3.81E+4	ug/g	Rep5 (5DB): no flags
B	3.81E+4	ug/g	Rep5 (5DB): no flags
B	3.86E+4	ug/g	Rep6 (6DB): no flags
B	3.86E+4	ug/g	Rep6 (6DB): no flags
B	3.89E+4	ug/g	Rep7 (7DB): no flags
B	3.89E+4	ug/g	Rep7 (7DB): no flags
B	3.89E+4	ug/g	Rep8 (8DB): no flags
B	3.89E+4	ug/g	Rep8 (8DB): no flags
B	3.84E+4	ug/g	Rep18 (9DB REPEAT): no flags
B	3.84E+4	ug/g	Rep18 (9DB REPEAT): no flags
Ba	<3.43E+2	ug/g	Rep10 (1DB REPEAT): no flags
Ba	<7.10E+2	ug/g	Rep10 (1DB REPEAT): no flags
Ba	<2.92E+2	ug/g	Rep11 (2DB REPEAT): no flags
Ba	<5.11E+2	ug/g	Rep11 (2DB REPEAT): no flags
Ba	<2.74E+2	ug/g	Rep12 (3DB REPEAT): no flags
Ba	<5.49E+2	ug/g	Rep12 (3DB REPEAT): no flags
Ba	<2.71E+2	ug/g	Rep13 (4DB REPEAT): no flags
Ba	<5.70E+2	ug/g	Rep13 (4DB REPEAT): no flags
Ba	<2.82E+2	ug/g	Rep14 (5DB REPEAT): no flags
Ba	<4.80E+2	ug/g	Rep14 (5DB REPEAT): no flags
Ba	<2.53E+2	ug/g	Rep15 (6DB REPEAT): no flags
Ba	<4.94E+2	ug/g	Rep15 (6DB REPEAT): no flags
Ba	<2.78E+2	ug/g	Rep16 (7DB REPEAT): no flags
Ba	<5.15E+2	ug/g	Rep16 (7DB REPEAT): no flags
Ba	<2.75E+2	ug/g	Rep17 (8DB REPEAT): no flags

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Sample Type:	POWDER-DUST	
Collected:	9/20/2002	0930

Department	FCP
Customer's ID:	SHD-WV-998-01,02

Analysis	Result ***	Uncertainty	Lab Use Only
Ba	<5.16E+2	ug/g	Rep17 (8DB REPEAT): no flags
Ba	<2.86E+2	ug/g	Rep18 (9DB REPEAT): no flags
Ba	<5.48E+2	ug/g	Rep18 (9DB REPEAT): no flags
Ca	1.65E+3	ug/g	Rep1 (1DB): no flags
Ca	1.43E+3	ug/g	Rep2 (2DB): no flags
Ca	1.46E+3	ug/g	Rep3 (3DB): no flags
Ca	1.45E+3	ug/g	Rep4 (4DB): no flags
Ca	1.47E+3	ug/g	Rep5 (5DB): no flags
Ca	1.43E+3	ug/g	Rep6 (6DB): no flags
Ca	1.45E+3	ug/g	Rep7 (7DB): no flags
Ca	1.50E+3	ug/g	Rep8 (8DB): no flags
Ca	1.46E+3	ug/g	Rep9 (9DB): no flags
Cd	7.93E+1	ug/g	Rep1 (1DB): no flags
Cd	7.04E+1	ug/g	Rep2 (2DB): no flags
Cd	7.64E+1	ug/g	Rep3 (3DB): no flags
Cd	7.61E+1	ug/g	Rep4 (4DB): no flags
Cd	7.74E+1	ug/g	Rep5 (5DB): no flags
Cd	7.53E+1	ug/g	Rep6 (6DB): no flags
Cd	7.71E+1	ug/g	Rep7 (7DB): no flags
Cd	7.69E+1	ug/g	Rep8 (8DB): no flags
Cd	8.12E+1	ug/g	Rep9 (9DB): no flags
Ce	3.45E+3	ug/g	Rep10 (1DB REPEAT): no flags
Ce	3.16E+3	ug/g	Rep11 (2DB REPEAT): no flags
Ce	2.09E+3	ug/g	Rep12 (3DB REPEAT): no flags
Ce	<1.42E+3	ug/g	Rep13 (4DB REPEAT): no flags

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Sample Type:	POWDER-DUST	
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Department	FCP
Customer's ID:	SHD-WV-998-01,02

Analysis	Result ***	Uncertainty	Lab Use Only
Ce	2.96E+3	ug/g	Rep14 (5DB REPEAT): no flags
Ce	3.04E+3	ug/g	Rep15 (6DB REPEAT): no flags
Ce	2.96E+3	ug/g	Rep16 (7DB REPEAT): no flags
Ce	3.22E+3	ug/g	Rep17 (8DB REPEAT): no flags
Ce	3.06E+3	ug/g	Rep18 (9DB REPEAT): no flags
Cr	1.95E+3	ug/g	Rep1 (1DB): no flags
Cr	1.95E+3	ug/g	Rep1 (1DB): no flags
Cr	2.00E+3	ug/g	Rep2 (2DB): no flags
Cr	2.00E+3	ug/g	Rep2 (2DB): no flags
Cr	2.04E+3	ug/g	Rep3 (3DB): no flags
Cr	2.04E+3	ug/g	Rep3 (3DB): no flags
Cr	1.97E+3	ug/g	Rep4 (4DB): no flags
Cr	1.97E+3	ug/g	Rep4 (4DB): no flags
Cr	2.04E+3	ug/g	Rep5 (5DB): no flags
Cr	2.04E+3	ug/g	Rep5 (5DB): no flags
Cr	2.01E+3	ug/g	Rep6 (6DB): no flags
Cr	2.01E+3	ug/g	Rep6 (6DB): no flags
Cr	2.03E+3	ug/g	Rep7 (7DB): no flags
Cr	2.03E+3	ug/g	Rep7 (7DB): no flags
Cr	2.04E+3	ug/g	Rep8 (8DB): no flags
Cr	2.04E+3	ug/g	Rep8 (8DB): no flags
Cr	2.56E+3	ug/g	Rep9 (9DB): no flags
Cr	2.56E+3	ug/g	Rep9 (9DB): no flags
Fe	8.32E+4	ug/g	Rep1 (1DB): no flags
Fe	8.32E+4	ug/g	Rep1 (1DB): no flags

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Customer's ID:	SHD-WV-998-01,02

Analysis	Result ***	Uncertainty	Lab Use Only
Fe	8.24E+4	ug/g	Rep2 (2DB): no flags
Fe	8.24E+4	ug/g	Rep2 (2DB): no flags
Fe	8.35E+4	ug/g	Rep3 (3DB): no flags
Fe	8.35E+4	ug/g	Rep3 (3DB): no flags
Fe	8.10E+4	ug/g	Rep4 (4DB): no flags
Fe	8.10E+4	ug/g	Rep4 (4DB): no flags
Fe	8.22E+4	ug/g	Rep5 (5DB): no flags
Fe	8.22E+4	ug/g	Rep5 (5DB): no flags
Fe	8.23E+4	ug/g	Rep6 (6DB): no flags
Fe	8.23E+4	ug/g	Rep6 (6DB): no flags
Fe	8.39E+4	ug/g	Rep7 (7DB): no flags
Fe	8.39E+4	ug/g	Rep7 (7DB): no flags
Fe	8.37E+4	ug/g	Rep8 (8DB): no flags
Fe	8.37E+4	ug/g	Rep8 (8DB): no flags
Fe	8.20E+4	ug/g	Rep18 (9DB REPEAT): no flags
Fe	8.20E+4	ug/g	Rep18 (9DB REPEAT): no flags
Hg	<17700	ng/g	Rep1 (SHD-WV998-01 1DB): no flags
Hg	<10700	ng/g	Rep2 (SHD-WV998-01 2DB): no flags
Hg	<13700	ng/g	Rep3 (SHD-WV998-01 3DB): no flags
Hg	<14200	ng/g	Rep4 (SHD-WV998-01 4DB): no flags
Hg	<12000	ng/g	Rep5 (SHD-WV998-01 5DB): no flags
Hg	<12300	ng/g	Rep6 (SHD-WV998-01 6DB): no flags
Hg	<12900	ng/g	Rep7 (SHD-WV998-01 7DB): no flags
Hg	<12900	ng/g	Rep8 (SHD-WV998-01 8DB): no flags
Hg	<13700	ng/g	Rep9 (SHD-WV998-01 9DB): no flags

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Department	FCP
Customer's ID:	SHD-WV-998-01,02

Analysis	Result ***	Uncertainty	Lab Use Only
K	3.67E+4	ug/g	Rep1 (1DB): no flags
K	3.65E+4	ug/g	Rep2 (2DB): no flags
K	3.84E+4	ug/g	Rep3 (3DB): no flags
K	3.59E+4	ug/g	Rep4 (4DB): no flags
K	3.70E+4	ug/g	Rep5 (5DB): no flags
K	3.70E+4	ug/g	Rep6 (6DB): no flags
K	3.70E+4	ug/g	Rep7 (7DB): no flags
K	3.75E+4	ug/g	Rep8 (8DB): no flags
K	3.65E+4	ug/g	Rep9 (9DB): no flags
Li	1.63E+4	ug/g	Rep1 (1DB): no flags
Li	1.59E+4	ug/g	Rep2 (2DB): no flags
Li	1.46E+4	ug/g	Rep3 (3DB): no flags
Li	1.42E+4	ug/g	Rep4 (4DB): no flags
Li	1.37E+4	ug/g	Rep5 (5DB): no flags
Li	1.38E+4	ug/g	Rep6 (6DB): no flags
Li	1.48E+4	ug/g	Rep7 (7DB): no flags
Li	1.40E+4	ug/g	Rep8 (8DB): no flags
Li	1.49E+4	ug/g	Rep9 (9DB): no flags
Mg	8.31E+3	ug/g	Rep1 (1DB): no flags
Mg	7.71E+3	ug/g	Rep2 (2DB): no flags
Mg	7.55E+3	ug/g	Rep3 (3DB): no flags
Mg	7.58E+3	ug/g	Rep4 (4DB): no flags
Mg	7.76E+3	ug/g	Rep5 (5DB): no flags
Mg	7.27E+3	ug/g	Rep6 (6DB): no flags
Mg	7.49E+3	ug/g	Rep7 (7DB): no flags

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Collected:	9/20/2002 0930

Department	FCP
Customer's ID:	SHD-WV-998-01,02

Analysis	Result ***	Uncertainty	Lab Use Only
Mg	7.92E+3	ug/g	Rep8 (8DB): no flags
Mg	7.84E+3	ug/g	Rep9 (9DB): no flags
Mn	5.82E+3	ug/g	Rep1 (1DB): no flags
Mn	5.83E+3	ug/g	Rep2 (2DB): no flags
Mn	5.90E+3	ug/g	Rep3 (3DB): no flags
Mn	5.74E+3	ug/g	Rep4 (4DB): no flags
Mn	5.87E+3	ug/g	Rep5 (5DB): no flags
Mn	5.82E+3	ug/g	Rep6 (6DB): no flags
Mn	5.94E+3	ug/g	Rep7 (7DB): no flags
Mn	5.97E+3	ug/g	Rep8 (8DB): no flags
Mn	5.84E+3	ug/g	Rep9 (9DB): no flags
Na	6.38E+4	ug/g	Rep1 (1DB): no flags
Na	6.24E+4	ug/g	Rep2 (2DB): no flags
Na	5.92E+4	ug/g	Rep3 (3DB): no flags
Na	5.64E+4	ug/g	Rep4 (4DB): no flags
Na	5.54E+4	ug/g	Rep5 (5DB): no flags
Na	5.43E+4	ug/g	Rep6 (6DB): no flags
Na	5.82E+4	ug/g	Rep7 (7DB): no flags
Na	5.61E+4	ug/g	Rep8 (8DB): no flags
Na	5.89E+4	ug/g	Rep9 (9DB): no flags
Nd	<1.77E+3	ug/g	Rep10 (1DB REPEAT): no flags
Nd	<1.28E+3	ug/g	Rep11 (2DB REPEAT): no flags
Nd	<1.37E+3	ug/g	Rep12 (3DB REPEAT): no flags
Nd	<1.42E+3	ug/g	Rep13 (4DB REPEAT): no flags
Nd	<1.20E+3	ug/g	Rep14 (5DB REPEAT): no flags

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Collected:	9/20/2002 0930

Department	FCP
Customer's ID:	SHD-WV-998-01,02

Analysis	Result ***	Uncertainty	Lab Use Only
Nd	<1.23E+3	ug/g	Rep15 (6DB REPEAT): no flags
Nd	<1.29E+3	ug/g	Rep16 (7DB REPEAT): no flags
Nd	<1.29E+3	ug/g	Rep17 (8DB REPEAT): no flags
Nd	<1.37E+3	ug/g	Rep18 (9DB REPEAT): no flags
Ni	7.99E+2	ug/g	Rep1 (1DB): no flags
Ni	8.22E+2	ug/g	Rep2 (2DB): no flags
Ni	8.19E+2	ug/g	Rep3 (3DB): no flags
Ni	8.05E+2	ug/g	Rep4 (4DB): no flags
Ni	8.46E+2	ug/g	Rep5 (5DB): no flags
Ni	7.95E+2	ug/g	Rep6 (6DB): no flags
Ni	8.35E+2	ug/g	Rep7 (7DB): no flags
Ni	8.41E+2	ug/g	Rep8 (8DB): no flags
Ni	1.14E+3	ug/g	Rep9 (9DB): no flags
P	4.84E+3	ug/g	Rep1 (1DB): no flags
P	4.95E+3	ug/g	Rep2 (2DB): no flags
P	4.89E+3	ug/g	Rep3 (3DB): no flags
P	4.79E+3	ug/g	Rep4 (4DB): no flags
P	5.07E+3	ug/g	Rep5 (5DB): no flags
P	5.54E+3	ug/g	Rep6 (6DB): no flags
P	5.40E+3	ug/g	Rep7 (7DB): no flags
P	5.32E+3	ug/g	Rep8 (8DB): no flags
P	5.05E+3	ug/g	Rep9 (9DB): no flags
Pb	<6.531E+02	ug/g	Rep1 (1DB): no flags
Pb	<4.521E+02	ug/g	Rep2 (2DB): no flags
Pb	<5.696E+02	ug/g	Rep3 (3DB): no flags

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Department	FCP
Customer's ID:	SHD-WV-998-01,02

Analysis	Result ***	Uncertainty	Lab Use Only
Pb	<5.459E+02	ug/g	Rep4 (4DB): no flags
Pb	<4.880E+02	ug/g	Rep5 (5DB): no flags
Pb	<5.316E+02	ug/g	Rep6 (6DB): no flags
Pb	<5.561E+02	ug/g	Rep7 (7DB): no flags
Pb	<5.567E+02	ug/g	Rep8 (8DB): no flags
Pb	<5.285E+02	ug/g	Rep9 (9DB): no flags
Ru	5.39E+2	ug/g	Rep1 (1DB): no flags
Ru	5.23E+2	ug/g	Rep2 (2DB): no flags
Ru	3.47E+2	ug/g	Rep3 (3DB): no flags
Ru	4.11E+2	ug/g	Rep4 (4DB): no flags
Ru	3.72E+2	ug/g	Rep5 (5DB): no flags
Ru	4.05E+2	ug/g	Rep6 (6DB): no flags
Ru	4.62E+2	ug/g	Rep7 (7DB): no flags
Ru	4.51E+2	ug/g	Rep8 (8DB): no flags
Ru	3.68E+2	ug/g	Rep9 (9DB): no flags
S	<1.31E+3	ug/g	Rep1 (1DB): no flags
S	<9.04E+2	ug/g	Rep2 (2DB): no flags
S	<1.14E+3	ug/g	Rep3 (3DB): no flags
S	<1.09E+3	ug/g	Rep4 (4DB): no flags
S	<9.76E+2	ug/g	Rep5 (5DB): no flags
S	<1.06E+3	ug/g	Rep6 (6DB): no flags
S	<1.11E+3	ug/g	Rep7 (7DB): no flags
S	<1.11E+3	ug/g	Rep8 (8DB): no flags
S	<1.06E+3	ug/g	Rep9 (9DB): no flags
Se	<2.61E+2	ug/g	Rep1 (1DB): no flags

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Department	FCP
Customer's ID:	SHD-WV-998-01,02

Analysis	Result ***	Uncertainty	Lab Use Only
Se	<1.81E+2	ug/g	Rep2 (2DB): no flags
Se	4.24E+2	ug/g	Rep3 (3DB): no flags
Se	<2.18E+2	ug/g	Rep4 (4DB): no flags
Se	3.08E+2	ug/g	Rep5 (5DB): no flags
Se	4.37E+2	ug/g	Rep6 (6DB): no flags
Se	2.59E+2	ug/g	Rep7 (7DB): no flags
Se	<2.23E+2	ug/g	Rep8 (8DB): no flags
Se	<2.11E+2	ug/g	Rep9 (9DB): no flags
Si	2.09E+5	ug/g	Rep10 (1DB REPEAT): no flags
Si	2.09E+5	ug/g	Rep10 (1DB REPEAT): no flags
Si	2.10E+5	ug/g	Rep11 (2DB REPEAT): no flags
Si	2.10E+5	ug/g	Rep11 (2DB REPEAT): no flags
Si	2.11E+5	ug/g	Rep12 (3DB REPEAT): no flags
Si	2.11E+5	ug/g	Rep12 (3DB REPEAT): no flags
Si	2.05E+5	ug/g	Rep13 (4DB REPEAT): no flags
Si	2.05E+5	ug/g	Rep13 (4DB REPEAT): no flags
Si	2.09E+5	ug/g	Rep14 (5DB REPEAT): no flags
Si	2.09E+5	ug/g	Rep14 (5DB REPEAT): no flags
Si	2.10E+5	ug/g	Rep15 (6DB REPEAT): no flags
Si	2.10E+5	ug/g	Rep15 (6DB REPEAT): no flags
Si	2.07E+5	ug/g	Rep16 (7DB REPEAT): no flags
Si	2.07E+5	ug/g	Rep16 (7DB REPEAT): no flags
Si	2.10E+5	ug/g	Rep17 (8DB REPEAT): no flags
Si	2.10E+5	ug/g	Rep17 (8DB REPEAT): no flags
Si	1.97E+5	ug/g	Rep18 (9DB REPEAT): no flags

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Collected:	9/20/2002 0930

Department	FCP
Customer's ID:	SHD-WV-998-01,02

Analysis	Result ***	Uncertainty	Lab Use Only
Si	1.97E+5	ug/g	Rep18 (9DB REPEAT): no flags
Sr	<6.53E+2	ug/g	Rep1 (1DB): no flags
Sr	<4.52E+2	ug/g	Rep2 (2DB): no flags
Sr	<5.70E+2	ug/g	Rep3 (3DB): no flags
Sr	<5.46E+2	ug/g	Rep4 (4DB): no flags
Sr	<4.88E+2	ug/g	Rep5 (5DB): no flags
Sr	<5.32E+2	ug/g	Rep6 (6DB): no flags
Sr	<5.56E+2	ug/g	Rep7 (7DB): no flags
Sr	<5.57E+2	ug/g	Rep8 (8DB): no flags
Sr	<5.29E+2	ug/g	Rep9 (9DB): no flags
Th	2.37E+3	ug/g	Rep10 (1DB REPEAT): no flags
Th	2.37E+3	ug/g	Rep10 (1DB REPEAT): no flags
Th	2.18E+3	ug/g	Rep11 (2DB REPEAT): no flags
Th	2.18E+3	ug/g	Rep11 (2DB REPEAT): no flags
Th	1.54E+3	ug/g	Rep12 (3DB REPEAT): no flags
Th	1.54E+3	ug/g	Rep12 (3DB REPEAT): no flags
Th	7.40E+2	ug/g	Rep13 (4DB REPEAT): no flags
Th	7.40E+2	ug/g	Rep13 (4DB REPEAT): no flags
Th	2.04E+3	ug/g	Rep14 (5DB REPEAT): no flags
Th	2.04E+3	ug/g	Rep14 (5DB REPEAT): no flags
Th	2.12E+3	ug/g	Rep15 (6DB REPEAT): no flags
Th	2.12E+3	ug/g	Rep15 (6DB REPEAT): no flags
Th	2.13E+3	ug/g	Rep16 (7DB REPEAT): no flags
Th	2.13E+3	ug/g	Rep16 (7DB REPEAT): no flags
Th	2.19E+3	ug/g	Rep17 (8DB REPEAT): no flags

Approved By	
Name	Date & Time



Login Date: 23-Jan-04

VAST Sample ID: 04-0074

Sample Point:	EVACUATED CANISTERS	
Sample Type:	POWDER-DUST	
Collected:	9/20/2002	0930

Department	FCP
Customer's ID:	SHD-WV-998-01,02

Analysis	Result ***	Uncertainty	Lab Use Only
Th	2.19E+3	ug/g	Rep17 (8DB REPEAT): no flags
Th	2.15E+3	ug/g	Rep18 (9DB REPEAT): no flags
Th	2.15E+3	ug/g	Rep18 (9DB REPEAT): no flags
Ti	5.09E+3	ug/g	Rep1 (1DB): no flags
Ti	5.00E+3	ug/g	Rep2 (2DB): no flags
Ti	5.12E+3	ug/g	Rep3 (3DB): no flags
Ti	4.91E+3	ug/g	Rep4 (4DB): no flags
Ti	4.98E+3	ug/g	Rep5 (5DB): no flags
Ti	5.05E+3	ug/g	Rep6 (6DB): no flags
Ti	5.10E+3	ug/g	Rep7 (7DB): no flags
Ti	5.10E+3	ug/g	Rep8 (8DB): no flags
Ti	4.95E+3	ug/g	Rep9 (9DB): no flags
U	3.49E+3	ug/g	Rep10 (1DB REPEAT): no flags
U	3.52E+3	ug/g	Rep11 (2DB REPEAT): no flags
U	3.47E+3	ug/g	Rep12 (3DB REPEAT): no flags
U	3.36E+3	ug/g	Rep13 (4DB REPEAT): no flags
U	3.44E+3	ug/g	Rep14 (5DB REPEAT): no flags
U	3.35E+3	ug/g	Rep15 (6DB REPEAT): no flags
U	3.31E+3	ug/g	Rep16 (7DB REPEAT): no flags
U	3.43E+3	ug/g	Rep17 (8DB REPEAT): no flags
U	3.32E+3	ug/g	Rep18 (9DB REPEAT): no flags
Zn	<6.53E+2	ug/g	Rep1 (1DB): no flags
Zn	<4.52E+2	ug/g	Rep2 (2DB): no flags
Zn	<5.70E+2	ug/g	Rep3 (3DB): no flags
Zn	<5.46E+2	ug/g	Rep4 (4DB): no flags

Approved By	
Name	Date & Time



Login Date: 23-Jan-04

VAST Sample ID: 04-0074

Sample Point:	EVACUATED CANISTERS	
Sample Type:	POWDER-DUST	
Collected:	9/20/2002	0930

Department	FCP
Customer's ID:	SHD-WV-998-01,02

Analysis	Result ***	Uncertainty	Lab Use Only
Zn	<4.88E+2	ug/g	Rep5 (5DB): no flags
Zn	<5.32E+2	ug/g	Rep6 (6DB): no flags
Zn	<5.56E+2	ug/g	Rep7 (7DB): no flags
Zn	<5.57E+2	ug/g	Rep8 (8DB): no flags
Zn	<5.29E+2	ug/g	Rep9 (9DB): no flags
Zr	1.03E+4	ug/g	Rep1 (1DB): no flags
Zr	1.03E+4	ug/g	Rep1 (1DB): no flags
Zr	1.02E+4	ug/g	Rep2 (2DB): no flags
Zr	1.02E+4	ug/g	Rep2 (2DB): no flags
Zr	1.04E+4	ug/g	Rep3 (3DB): no flags
Zr	1.04E+4	ug/g	Rep3 (3DB): no flags
Zr	1.00E+4	ug/g	Rep4 (4DB): no flags
Zr	1.00E+4	ug/g	Rep4 (4DB): no flags
Zr	1.01E+4	ug/g	Rep5 (5DB): no flags
Zr	1.01E+4	ug/g	Rep5 (5DB): no flags
Zr	1.02E+4	ug/g	Rep6 (6DB): no flags
Zr	1.02E+4	ug/g	Rep6 (6DB): no flags
Zr	1.04E+4	ug/g	Rep7 (7DB): no flags
Zr	1.04E+4	ug/g	Rep7 (7DB): no flags
Zr	1.04E+4	ug/g	Rep8 (8DB): no flags
Zr	1.04E+4	ug/g	Rep8 (8DB): no flags
Zr	1.02E+4	ug/g	Rep18 (9DB REPEAT): no flags
Zr	1.02E+4	ug/g	Rep18 (9DB REPEAT): no flags
GrossAlpha	2.78E+0	uCi/g 1.06E+0	Rep1 (1DB): no flags
GrossAlpha	2.59E+0	uCi/g 8.57E-1	Rep2 (2DB): no flags

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Login Date: 23-Jan-04

VAST Sample ID: 04-0074

Sample Point:	EVACUATED CANISTERS	
Sample Type:	POWDER-DUST	
Collected:	9/20/2002	0930

Department	FCP
Customer's ID:	SHD-WV-998-01,02

Analysis	Result ***	Uncertainty	Lab Use Only
GrossAlpha	2.15E+0	uCi/g 8.20E-1	Rep3 (3DB): no flags
GrossBeta	3.03E+3	uCi/g 1.14E+2	Rep1 (1DB): no flags
GrossBeta	2.87E+3	uCi/g 1.07E+2	Rep2 (2DB): no flags
GrossBeta	2.49E+3	uCi/g 9.35E+1	Rep3 (3DB): no flags
H3	<1.57E-2	uCi/g	Rep1 (#1 Leach): no flags
H3	<1.89E-2	uCi/g	Rep2 (#2 Leach): no flags
H3	<1.34E-2	uCi/g	Rep3 (#3 Leach): no flags
Sr90	1.79E+2	uCi/g 5.01E+0	Rep1 (1DB): no flags
Sr90	1.65E+2	uCi/g 4.62E+0	Rep2 (2DB): no flags
Sr90	1.05E+2	uCi/g 2.94E+0	Rep3 (3DB): no flags
Tc99	3.69E-3	uCi/g 2.26E-4	Rep1 (SHD-WV-99802): no flags
Tc99	3.92E-3	uCi/g 3.41E-4	Rep2 (#2): no flags
Tc99	3.59E-3	uCi/g 2.70E-4	Rep3 (#3): no flags
C-14	<1.06E-2	uCi/g	Rep1 (#1 Leach): no flags
C-14	<1.23E-2	uCi/g	Rep2 (#2 Leach): no flags
C-14	1.15E-2	uCi/g 7.43E-3	Rep3 (#3 Leach): no flags
Fe55	<3.26E-2	uCi/g	Rep1 (1DB): no flags
Fe55	<8.52E-2	uCi/g	Rep2 (2DB): no flags
Fe55	<7.01E-2	uCi/g	Rep3 (3DB): no flags
Am241	2.22E+0	uCi/g 1.33E-1	Rep1 (1DB Actinide): no flags
Am241	1.97E+0	uCi/g 1.18E-1	Rep2 (2DB Actinide): no flags
Am241	1.27E+0	uCi/g 7.64E-2	Rep3 (3DB Actinide): no flags
Am243	3.07E-2	uCi/g 1.89E-3	Rep1 (1DB Actinide): no flags
Am243	2.72E-2	uCi/g 1.68E-3	Rep2 (2DB Actinide): no flags
Am243	1.75E-2	uCi/g 1.09E-3	Rep3 (3DB Actinide): no flags

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Login Date: 23-Jan-04

VAST Sample ID: 04-0074

Sample Point:	EVACUATED CANISTERS	
Sample Type:	POWDER-DUST	
Collected:	9/20/2002	0930

Department	FCP
Customer's ID:	SHD-WV-998-01,02

Analysis	Result ***	Uncertainty	Lab Use Only
Cm242	1.78E-1	uCi/g 1.22E-2	Rep1 (1DB Actinide): no flags
Cm242	1.38E-1	uCi/g 9.48E-3	Rep2 (2DB Actinide): no flags
Cm242	9.12E-2	uCi/g 6.65E-3	Rep3 (3DB Actinide): no flags
Cm243/244	3.58E-1	uCi/g 2.17E-2	Rep1 (1DB Actinide): no flags
Cm243/244	3.09E-1	uCi/g 1.87E-2	Rep2 (2DB Actinide): no flags
Cm243/244	1.97E-1	uCi/g 1.20E-2	Rep3 (3DB Actinide): no flags
Np237	Not Measured	uCi/g	Rep1 (1DB Actinide): U2
Np237	4.42E-3	uCi/g 5.57E-4	Rep2 (2DB Actinide): no flags
Np237	2.80E-3	uCi/g 2.61E-4	Rep3 (3DB Actinide): no flags
Pu236	Not Measured	uCi/g	Rep1 (1DB Actinide): U2
Pu236	<1.51E-5	uCi/g	Rep2 (2DB Actinide): no flags
Pu236	<1.04E-5	uCi/g	Rep3 (3DB Actinide): no flags
Pu238	Not Measured	uCi/g	Rep1 (1DB Actinide): U2
Pu238	4.39E-1	uCi/g 2.67E-2	Rep2 (2DB Actinide): no flags
Pu238	3.01E-1	uCi/g 1.82E-2	Rep3 (3DB Actinide): no flags
Pu-238	4.90E-1	uCi/g 9.73E-3	Rep1 (1 DB): no flags
Pu239/240	Not Measured	uCi/g	Rep1 (1DB Actinide): U2
Pu239/240	1.79E-1	uCi/g 1.11E-2	Rep2 (2DB Actinide): no flags
Pu239/240	1.25E-1	uCi/g 7.67E-3	Rep3 (3DB Actinide): no flags
Pu-239+240	1.98E-1	uCi/g 4.94E-3	Rep1 (1 DB): no flags
Pu-241	2.29E+0	uCi/g 2.19E-1	Rep1 (#1DB): no flags
Pu-241	2.08E+0	uCi/g 3.06E-1	Rep2 (#2DB): no flags
Pu-241	1.43E+0	uCi/g 2.11E-1	Rep3 (#3DB): no flags
Pu242	Not Measured	uCi/g	Rep1 (1DB Actinide): U2
Pu242	<4.44E-4	uCi/g	Rep2 (2DB Actinide): no flags

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Login Date: 23-Jan-04

VAST Sample ID: 04-0074

Sample Point:	EVACUATED CANISTERS	
Sample Type:	POWDER-DUST	
Collected:	9/20/2002	0930

Department	FCP
Customer's ID:	SHD-WV-998-01,02

Analysis	Result ***	Uncertainty	Lab Use Only
Pu242	<1.54E-4	uCi/g	Rep3 (3DB Actinide): no flags
Th228	3.57E-2	uCi/g 2.32E-3	Rep1 (1DB Actinide): no flags
Th228	3.01E-2	uCi/g 1.92E-3	Rep2 (2DB Actinide): no flags
Th228	1.98E-2	uCi/g 1.30E-3	Rep3 (3DB Actinide): no flags
Th229	<1.79E-4	uCi/g	Rep1 (1DB Actinide): no flags
Th229	<8.03E-5	uCi/g	Rep2 (2DB Actinide): no flags
Th229	<6.33E-5	uCi/g	Rep3 (3DB Actinide): no flags
Th230	2.41E-4	uCi/g 3.79E-5	Rep1 (1DB Actinide): no flags
Th230	2.04E-4	uCi/g 3.18E-5	Rep2 (2DB Actinide): no flags
Th230	1.34E-4	uCi/g 2.10E-5	Rep3 (3DB Actinide): no flags
Th232	3.23E-4	uCi/g 6.94E-5	Rep1 (1DB Actinide): no flags
Th232	2.62E-4	uCi/g 4.93E-5	Rep2 (2DB Actinide): no flags
Th232	1.69E-4	uCi/g 3.94E-5	Rep3 (3DB Actinide): no flags
TotAlphaPu	6.88E-1	uCi/g 1.47E-2	Rep1 (1 DB): no flags
U232	2.98E-2	uCi/g 1.86E-3	Rep1 (1DB Actinide): no flags
U232	2.92E-2	uCi/g 1.80E-3	Rep2 (2DB Actinide): no flags
U232	2.45E-2	uCi/g 1.51E-3	Rep3 (3DB Actinide): no flags
U233/234	1.80E-2	uCi/g 1.14E-3	Rep1 (1DB Actinide): no flags
U233/234	1.76E-2	uCi/g 1.11E-3	Rep2 (2DB Actinide): no flags
U233/234	1.48E-2	uCi/g 9.27E-4	Rep3 (3DB Actinide): no flags
U235/236	9.05E-4	uCi/g 6.79E-5	Rep1 (1DB Actinide): no flags
U235/236	8.87E-4	uCi/g 6.60E-5	Rep2 (2DB Actinide): no flags
U235/236	7.44E-4	uCi/g 5.53E-5	Rep3 (3DB Actinide): no flags
U238	1.47E-3	uCi/g 1.46E-4	Rep1 (1DB Actinide): no flags
U238	1.70E-3	uCi/g 1.51E-4	Rep2 (2DB Actinide): no flags

Approved By	
Name	Date & Time



Login Date: 23-Jan-04

VAST Sample ID: 04-0074

Sample Point:	EVACUATED CANISTERS	
Sample Type:	POWDER-DUST	
Collected:	9/20/2002	0930

Department	FCP
Customer's ID:	SHD-WV-998-01,02

Analysis	Result ***	Uncertainty	Lab Use Only
U238	1.09E-3	uCi/g 9.15E-5	Rep3 (3DB Actinide): no flags
Ac-227	<5.02E-1	uCi/g	Rep1 (#1DB): no flags
Ac-227	<4.39E-1	uCi/g	Rep2 (#2DB): no flags
Ac-227	<5.78E-1	uCi/g	Rep3 (#3DB): no flags
Ag-110	<3.89E-1	uCi/g	Rep1 (#1DB): no flags
Ag-110	<3.11E-1	uCi/g	Rep2 (#2DB): no flags
Ag-110	<4.04E-1	uCi/g	Rep3 (#3DB): no flags
Bi-212	<3.18E-1	uCi/g	Rep1 (#1DB): no flags
Bi-212	<2.76E-1	uCi/g	Rep2 (#2DB): no flags
Bi-212	<3.64E-1	uCi/g	Rep3 (#3DB): no flags
Ce-144	<1.06E+0	uCi/g	Rep1 (#1DB): no flags
Ce-144	<1.30E+0	uCi/g	Rep2 (#2DB): no flags
Ce-144	<1.07E+0	uCi/g	Rep3 (#3DB): no flags
Co-60	<1.61E-2	uCi/g	Rep1 (#1DB): no flags
Co-60	6.06E-2	uCi/g 2.55E-2	Rep2 (#2DB): no flags
Co-60	<1.79E-2	uCi/g	Rep3 (#3DB): no flags
Cs-134	<1.30E-1	uCi/g	Rep1 (#1DB): no flags
Cs-134	<9.80E-2	uCi/g	Rep2 (#2DB): no flags
Cs-134	<9.73E-2	uCi/g	Rep3 (#3DB): no flags
Cs-137	2.47E+3	uCi/g 6.66E+1	Rep1 (#1DB): no flags
Cs-137	2.50E+3	uCi/g 6.69E+1	Rep2 (#2DB): no flags
Cs-137	2.40E+3	uCi/g 6.62E+1	Rep3 (#3DB): no flags
Eu-152	<1.25E-1	uCi/g	Rep1 (#1DB): no flags
Eu-152	<1.51E-1	uCi/g	Rep2 (#2DB): no flags
Eu-152	<1.26E-1	uCi/g	Rep3 (#3DB): no flags

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Name	Date & Time



Login Date: 23-Jan-04

VAST Sample ID: 04-0074

Sample Point:	EVACUATED CANISTERS	
Sample Type:	POWDER-DUST	
Collected:	9/20/2002	0930

Department	FCP
Customer's ID:	SHD-WV-998-01,02

Analysis	Result ***	Uncertainty	Lab Use Only
Eu-154	9.57E-1	uCi/g 7.86E-2	Rep1 (#1DB): no flags
Eu-154	9.40E-1	uCi/g 6.45E-2	Rep2 (#2DB): no flags
Eu-154	5.66E-1	uCi/g 5.79E-2	Rep3 (#3DB): no flags
Eu-155	<2.37E-1	uCi/g	Rep1 (#1DB): no flags
Eu-155	<2.02E-1	uCi/g	Rep2 (#2DB): no flags
Eu-155	<2.47E-1	uCi/g	Rep3 (#3DB): no flags
I-129	<3.06E-3	uCi/g	Rep1 (Caustic leach 1): no flags
I-129	<2.54E-3	uCi/g	Rep2 (#2): no flags
I-129	<2.66E-3	uCi/g	Rep3 (#3): no flags
K-40	<5.76E-2	uCi/g	Rep1 (#1DB): no flags
K-40	<3.15E-2	uCi/g	Rep2 (#2DB): no flags
K-40	<4.70E-2	uCi/g	Rep3 (#3DB): no flags
Mn-54	<4.53E-2	uCi/g	Rep1 (#1DB): no flags
Mn-54	<4.25E-2	uCi/g	Rep2 (#2DB): no flags
Mn-54	<5.34E-2	uCi/g	Rep3 (#3DB): no flags
Nb-94	<1.94E-2	uCi/g	Rep1 (#1DB): no flags
Nb-94	<1.66E-2	uCi/g	Rep2 (#2DB): no flags
Nb-94	<1.42E-2	uCi/g	Rep3 (#3DB): no flags
Ni59	<3.18E-1	uCi/g	Rep1 (1DB REPEAT): no flags
Ni59	<8.13E-2	uCi/g	Rep2 (2DB REPEAT): no flags
Ni59	<3.08E-1	uCi/g	Rep3 (3DB REPEAT): no flags
Ni63	6.14E-1	uCi/g 2.09E-1	Rep1 (1DB REPEAT): no flags
Ni63	5.75E-1	uCi/g 1.95E-1	Rep2 (2DB REPEAT): no flags
Ni63	5.74E-1	uCi/g 1.95E-1	Rep3 (3DB REPEAT): no flags
Np-239	<1.26E-1	uCi/g	Rep1 (#1DB): no flags

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Name	Date & Time



Login Date: 23-Jan-04

VAST Sample ID: 04-0074

Sample Point:	EVACUATED CANISTERS	
Sample Type:	POWDER-DUST	
Collected:	9/20/2002	0930

Department	FCP
Customer's ID:	SHD-WV-998-01,02

Analysis	Result ***	Uncertainty	Lab Use Only
Np-239	<1.29E-1	uCi/g	Rep2 (#2DB): no flags
Np-239	<9.41E-2	uCi/g	Rep3 (#3DB): no flags
Pa-231	<3.09E+0	uCi/g	Rep1 (#1DB): no flags
Pa-231	<2.48E+0	uCi/g	Rep2 (#2DB): no flags
Pa-231	<3.62E+0	uCi/g	Rep3 (#3DB): no flags
Pb-212	<2.98E-1	uCi/g	Rep1 (#1DB): no flags
Pb-212	<2.67E-1	uCi/g	Rep2 (#2DB): no flags
Pb-212	<2.58E-1	uCi/g	Rep3 (#3DB): no flags
Ra-226	<1.57E+0	uCi/g	Rep1 (#1DB): no flags
Ra-226	<1.43E+0	uCi/g	Rep2 (#2DB): no flags
Ra-226	<2.21E+0	uCi/g	Rep3 (#3DB): no flags
Ra-228	<8.75E-2	uCi/g	Rep1 (#1DB): no flags
Ra-228	<7.12E-2	uCi/g	Rep2 (#2DB): no flags
Ra-228	<6.31E-2	uCi/g	Rep3 (#3DB): no flags
Ru-106	<1.78E+0	uCi/g	Rep1 (#1DB): no flags
Ru-106	<1.52E+0	uCi/g	Rep2 (#2DB): no flags
Ru-106	<2.08E+0	uCi/g	Rep3 (#3DB): no flags
Sb-125	<7.38E-1	uCi/g	Rep1 (#1DB): no flags
Sb-125	<4.49E-1	uCi/g	Rep2 (#2DB): no flags
Sb-125	<5.58E-1	uCi/g	Rep3 (#3DB): no flags
Zr-95	<4.08E+0	uCi/g	Rep1 (#1DB): no flags
Zr-95	<3.72E+0	uCi/g	Rep2 (#2DB): no flags
Zr-95	<3.91E+0	uCi/g	Rep3 (#3DB): no flags

Approved By	
_____	_____
Name	Date & Time



Login Date: 23-Jan-04

VAST Sample ID: 04-0074

Sample Point:	EVACUATED CANISTERS
Sample Type:	POWDER-DUST
Collected:	9/20/2002 0930

Department	FCP
Customer's ID:	SHD-WV-998-01,02

Analysis	Result ***	Uncertainty	Lab Use Only

NOTES: (Contact the A&PC Supervisor if you have questions.)

The uncertainty, if provided, pertains to the 95% confidence level on counting statistics.

*** The instrument used to determine gamma measurements is calibrated for samples of a specified matrix. The density associated with oil samples is not consistent with that of the specified sample matrix. Therefore, due to matrix of the sample and the unknown accuracy in which the sample was prepared, gamma results associated with oil samples are approximate.

'Lab Use Only' Flags: A0 - unknown approval error; A1 - approval not defined; A2 - approval not entered; A3 - result rejected

U0 - unknown uncertainty error; U1 - uncertainty not defined; U2 - uncertainty not entered

Approved By	
Name	Date & Time

