

## A&PC Report of Analysis

Report Recipients: LAURENE ROWELL (4442)

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Login Date: 23-Jan-04

VAST Sample ID: 04-0073

Sample Point:	EVACUATED CANISTERS
Sample Type:	POWDER-DUST
Collected:	9/16/2002 1500

Department	FCP
Customer's ID:	SHD-WV-997-02,-03

Analysis	Result ***	Uncertainty	Lab Use Only
Ag	<3.02E+2	ug/g	Rep19 (1D - RCRA): no flags
Ag	<2.69E+2	ug/g	Rep20 (2D - RCRA): no flags
Ag	<2.96E+2	ug/g	Rep21 (3D - RCRA): no flags
Ag	<2.80E+2	ug/g	Rep22 (4D - RCRA): no flags
Ag	<2.50E+2	ug/g	Rep23 (5D - RCRA): no flags
Ag	<3.49E+2	ug/g	Rep24 (6D - RCRA): no flags
Ag	<2.83E+2	ug/g	Rep25 (7D - RCRA): no flags
Ag	<2.96E+2	ug/g	Rep26 (8D - RCRA): no flags
Ag	<3.32E+2	ug/g	Rep27 (9D - RCRA): no flags
Al	3.48E+4	ug/g	Rep1 (1D): no flags
Al	3.48E+4	ug/g	Rep1 (1D): no flags
Al	3.47E+4	ug/g	Rep2 (2D): no flags
Al	3.47E+4	ug/g	Rep2 (2D): no flags
Al	3.37E+4	ug/g	Rep3 (3D): no flags
Al	3.37E+4	ug/g	Rep3 (3D): no flags
Al	3.77E+4	ug/g	Rep4 (4D): no flags
Al	3.77E+4	ug/g	Rep4 (4D): no flags
Al	2.30E+4	ug/g	Rep5 (5D): no flags
Al	2.30E+4	ug/g	Rep5 (5D): no flags

Approved By	
Name	Date & Time



**Login Date:** 23-Jan-04

**VAST Sample ID:** 04-0073

<b>Sample Point:</b>	EVACUATED CANISTERS	
<b>Sample Type:</b>	POWDER-DUST	
<b>Collected:</b>	9/16/2002	1500

<b>Department</b>	FCP
<b>Customer's ID:</b>	SHD-WV-997-02,-03

Analysis	Result ***	Uncertainty	Lab Use Only
Al	3.91E+4	ug/g	Rep6 (6D): no flags
Al	3.91E+4	ug/g	Rep6 (6D): no flags
Al	3.88E+4	ug/g	Rep7 (7D): no flags
Al	3.88E+4	ug/g	Rep7 (7D): no flags
Al	3.20E+4	ug/g	Rep8 (8D): no flags
Al	3.20E+4	ug/g	Rep8 (8D): no flags
Al	3.49E+4	ug/g	Rep9 (9D): no flags
Al	3.49E+4	ug/g	Rep9 (9D): no flags
As	6.72E+2	ug/g	Rep19 (1D - RCRA): no flags
As	5.10E+2	ug/g	Rep20 (2D - RCRA): no flags
As	<3.69E+2	ug/g	Rep21 (3D - RCRA): no flags
As	<3.50E+2	ug/g	Rep22 (4D - RCRA): no flags
As	3.63E+2	ug/g	Rep23 (5D - RCRA): no flags
As	<4.36E+2	ug/g	Rep24 (6D - RCRA): no flags
As	5.62E+2	ug/g	Rep25 (7D - RCRA): no flags
As	<3.70E+2	ug/g	Rep26 (8D - RCRA): no flags
As	<4.15E+2	ug/g	Rep27 (9D - RCRA): no flags
B	3.91E+4	ug/g	Rep1 (1D): no flags
B	3.91E+4	ug/g	Rep1 (1D): no flags
B	3.83E+4	ug/g	Rep2 (2D): no flags
B	3.83E+4	ug/g	Rep2 (2D): no flags
B	3.86E+4	ug/g	Rep3 (3D): no flags
B	3.86E+4	ug/g	Rep3 (3D): no flags
B	3.96E+4	ug/g	Rep4 (4D): no flags
B	3.96E+4	ug/g	Rep4 (4D): no flags

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<b>Sample Point:</b>	EVACUATED CANISTERS	
<b>Sample Type:</b>	POWDER-DUST	
<b>Collected:</b>	9/16/2002	1500

<b>Department</b>	FCP
<b>Customer's ID:</b>	SHD-WV-997-02,-03

Analysis	Result ***	Uncertainty	Lab Use Only
B	2.66E+4	ug/g	Rep5 (5D): no flags
B	2.66E+4	ug/g	Rep5 (5D): no flags
B	4.06E+4	ug/g	Rep6 (6D): no flags
B	4.06E+4	ug/g	Rep6 (6D): no flags
B	4.05E+4	ug/g	Rep7 (7D): no flags
B	4.05E+4	ug/g	Rep7 (7D): no flags
B	3.87E+4	ug/g	Rep8 (8D): no flags
B	3.87E+4	ug/g	Rep8 (8D): no flags
B	3.84E+4	ug/g	Rep9 (9D): no flags
B	3.84E+4	ug/g	Rep9 (9D): no flags
Ba	<3.31E+2	ug/g	Rep1 (1D): no flags
Ba	<7.63E+2	ug/g	Rep1 (1D): no flags
Ba	<3.11E+2	ug/g	Rep2 (2D): no flags
Ba	<6.62E+2	ug/g	Rep2 (2D): no flags
Ba	<3.52E+2	ug/g	Rep3 (3D): no flags
Ba	<7.01E+2	ug/g	Rep3 (3D): no flags
Ba	<3.19E+2	ug/g	Rep4 (4D): no flags
Ba	<6.17E+2	ug/g	Rep4 (4D): no flags
Ba	<2.83E+2	ug/g	Rep5 (5D): no flags
Ba	<6.36E+2	ug/g	Rep5 (5D): no flags
Ba	<4.43E+2	ug/g	Rep6 (6D): no flags
Ba	<8.41E+2	ug/g	Rep6 (6D): no flags
Ba	<3.61E+2	ug/g	Rep7 (7D): no flags
Ba	<6.40E+2	ug/g	Rep7 (7D): no flags
Ba	<3.64E+2	ug/g	Rep8 (8D): no flags

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<b>Sample Type:</b>	POWDER-DUST	
<b>Collected:</b>	9/16/2002	1500

<b>Department</b>	FCP
<b>Customer's ID:</b>	SHD-WV-997-02,-03

Analysis	Result ***	Uncertainty	Lab Use Only
Ba	<6.91E+2	ug/g	Rep8 (8D): no flags
Ba	<4.01E+2	ug/g	Rep9 (9D): no flags
Ba	<7.69E+2	ug/g	Rep9 (9D): no flags
Ca	1.45E+3	ug/g	Rep1 (1D): no flags
Ca	1.41E+3	ug/g	Rep2 (2D): no flags
Ca	1.39E+3	ug/g	Rep3 (3D): no flags
Ca	1.57E+3	ug/g	Rep4 (4D): no flags
Ca	9.35E+2	ug/g	Rep5 (5D): no flags
Ca	1.54E+3	ug/g	Rep6 (6D): no flags
Ca	1.78E+3	ug/g	Rep7 (7D): no flags
Ca	1.27E+3	ug/g	Rep8 (8D): no flags
Ca	1.38E+3	ug/g	Rep9 (9D): no flags
Cd	<7.56E+1	ug/g	Rep19 (1D - RCRA): no flags
Cd	7.30E+1	ug/g	Rep20 (2D - RCRA): no flags
Cd	7.67E+1	ug/g	Rep21 (3D - RCRA): no flags
Cd	7.62E+1	ug/g	Rep22 (4D - RCRA): no flags
Cd	<6.25E+1	ug/g	Rep23 (5D - RCRA): no flags
Cd	<8.72E+1	ug/g	Rep24 (6D - RCRA): no flags
Cd	7.50E+1	ug/g	Rep25 (7D - RCRA): no flags
Cd	7.93E+1	ug/g	Rep26 (8D - RCRA): no flags
Cd	<8.31E+1	ug/g	Rep27 (9D - RCRA): no flags
Ce	2.93E+3	ug/g	Rep1 (1D): no flags
Ce	2.99E+3	ug/g	Rep2 (2D): no flags
Ce	2.96E+3	ug/g	Rep3 (3D): no flags
Ce	2.99E+3	ug/g	Rep4 (4D): no flags

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<b>Sample Type:</b>	POWDER-DUST	
<b>Collected:</b>	9/16/2002	1500

<b>Department</b>	FCP
<b>Customer's ID:</b>	SHD-WV-997-02,-03

Analysis	Result ***	Uncertainty	Lab Use Only
Ce	1.93E+3	ug/g	Rep5 (5D): no flags
Ce	3.33E+3	ug/g	Rep6 (6D): no flags
Ce	3.13E+3	ug/g	Rep7 (7D): no flags
Ce	2.93E+3	ug/g	Rep8 (8D): no flags
Ce	3.07E+3	ug/g	Rep9 (9D): no flags
Cr	2.05E+3	ug/g	Rep1 (1D): no flags
Cr	2.05E+3	ug/g	Rep1 (1D): no flags
Cr	2.00E+3	ug/g	Rep2 (2D): no flags
Cr	2.00E+3	ug/g	Rep2 (2D): no flags
Cr	2.04E+3	ug/g	Rep3 (3D): no flags
Cr	2.04E+3	ug/g	Rep3 (3D): no flags
Cr	2.07E+3	ug/g	Rep4 (4D): no flags
Cr	2.07E+3	ug/g	Rep4 (4D): no flags
Cr	1.40E+3	ug/g	Rep5 (5D): no flags
Cr	1.40E+3	ug/g	Rep5 (5D): no flags
Cr	2.14E+3	ug/g	Rep6 (6D): no flags
Cr	2.14E+3	ug/g	Rep6 (6D): no flags
Cr	2.17E+3	ug/g	Rep7 (7D): no flags
Cr	2.17E+3	ug/g	Rep7 (7D): no flags
Cr	2.03E+3	ug/g	Rep8 (8D): no flags
Cr	2.03E+3	ug/g	Rep8 (8D): no flags
Cr	2.01E+3	ug/g	Rep9 (9D): no flags
Cr	2.01E+3	ug/g	Rep9 (9D): no flags
Fe	8.35E+4	ug/g	Rep1 (1D): no flags
Fe	8.35E+4	ug/g	Rep1 (1D): no flags

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<b>Collected:</b>	9/16/2002	1500

<b>Department</b>	FCP
<b>Customer's ID:</b>	SHD-WV-997-02,-03

Analysis	Result ***	Uncertainty	Lab Use Only
Fe	8.17E+4	ug/g	Rep2 (2D): no flags
Fe	8.17E+4	ug/g	Rep2 (2D): no flags
Fe	8.29E+4	ug/g	Rep3 (3D): no flags
Fe	8.29E+4	ug/g	Rep3 (3D): no flags
Fe	8.53E+4	ug/g	Rep4 (4D): no flags
Fe	8.53E+4	ug/g	Rep4 (4D): no flags
Fe	5.72E+4	ug/g	Rep5 (5D): no flags
Fe	5.72E+4	ug/g	Rep5 (5D): no flags
Fe	8.76E+4	ug/g	Rep6 (6D): no flags
Fe	8.76E+4	ug/g	Rep6 (6D): no flags
Fe	8.75E+4	ug/g	Rep7 (7D): no flags
Fe	8.75E+4	ug/g	Rep7 (7D): no flags
Fe	8.28E+4	ug/g	Rep8 (8D): no flags
Fe	8.28E+4	ug/g	Rep8 (8D): no flags
Fe	8.26E+4	ug/g	Rep9 (9D): no flags
Fe	8.26E+4	ug/g	Rep9 (9D): no flags
Hg	<19100	ng/g	Rep4 (1DB REPEAT): no flags
Hg	<16500	ng/g	Rep5 (2DB REPEAT): no flags
Hg	<17500	ng/g	Rep6 (3DB REPEAT): no flags
Hg	<15400	ng/g	Rep7 (4DB REPEAT): no flags
Hg	<15900	ng/g	Rep8 (5DB REPEAT): no flags
Hg	<21000	ng/g	Rep9 (6DB REPEAT): no flags
Hg	<16000	ng/g	Rep10 (7DB REPEAT): no flags
Hg	<17300	ng/g	Rep11 (8DB REPEAT): no flags
Hg	<19200	ng/g	Rep12 (9DB REPEAT): no flags

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_____	_____
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<b>Department</b>	FCP
<b>Customer's ID:</b>	SHD-WV-997-02,-03

Analysis	Result ***	Uncertainty	Lab Use Only
K	3.73E+4	ug/g	Rep1 (1D): no flags
K	3.68E+4	ug/g	Rep2 (2D): no flags
K	3.71E+4	ug/g	Rep3 (3D): no flags
K	3.78E+4	ug/g	Rep4 (4D): no flags
K	2.56E+4	ug/g	Rep5 (5D): no flags
K	3.93E+4	ug/g	Rep6 (6D): no flags
K	3.87E+4	ug/g	Rep7 (7D): no flags
K	3.76E+4	ug/g	Rep8 (8D): no flags
K	3.73E+4	ug/g	Rep9 (9D): no flags
Li	1.63E+4	ug/g	Rep1 (1D): no flags
Li	1.61E+4	ug/g	Rep2 (2D): no flags
Li	1.57E+4	ug/g	Rep3 (3D): no flags
Li	1.71E+4	ug/g	Rep4 (4D): no flags
Li	1.09E+4	ug/g	Rep5 (5D): no flags
Li	1.77E+4	ug/g	Rep6 (6D): no flags
Li	1.71E+4	ug/g	Rep7 (7D): no flags
Li	1.55E+4	ug/g	Rep8 (8D): no flags
Li	1.60E+4	ug/g	Rep9 (9D): no flags
Mg	7.59E+3	ug/g	Rep1 (1D): no flags
Mg	7.53E+3	ug/g	Rep2 (2D): no flags
Mg	7.49E+3	ug/g	Rep3 (3D): no flags
Mg	8.15E+3	ug/g	Rep4 (4D): no flags
Mg	4.76E+3	ug/g	Rep5 (5D): no flags
Mg	8.36E+3	ug/g	Rep6 (6D): no flags
Mg	9.22E+3	ug/g	Rep7 (7D): no flags

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<b>Collected:</b>	9/16/2002	1500

<b>Department</b>	FCP
<b>Customer's ID:</b>	SHD-WV-997-02,-03

Analysis	Result ***	Uncertainty	Lab Use Only
Mg	6.61E+3	ug/g	Rep8 (8D): no flags
Mg	7.65E+3	ug/g	Rep9 (9D): no flags
Mn	5.90E+3	ug/g	Rep1 (1D): no flags
Mn	5.81E+3	ug/g	Rep2 (2D): no flags
Mn	5.91E+3	ug/g	Rep3 (3D): no flags
Mn	6.07E+3	ug/g	Rep4 (4D): no flags
Mn	4.05E+3	ug/g	Rep5 (5D): no flags
Mn	6.20E+3	ug/g	Rep6 (6D): no flags
Mn	6.22E+3	ug/g	Rep7 (7D): no flags
Mn	5.90E+3	ug/g	Rep8 (8D): no flags
Mn	5.88E+3	ug/g	Rep9 (9D): no flags
Na	6.14E+4	ug/g	Rep1 (1D): no flags
Na	6.06E+4	ug/g	Rep2 (2D): no flags
Na	5.94E+4	ug/g	Rep3 (3D): no flags
Na	6.45E+4	ug/g	Rep4 (4D): no flags
Na	4.08E+4	ug/g	Rep5 (5D): no flags
Na	6.66E+4	ug/g	Rep6 (6D): no flags
Na	6.53E+4	ug/g	Rep7 (7D): no flags
Na	5.78E+4	ug/g	Rep8 (8D): no flags
Na	6.05E+4	ug/g	Rep9 (9D): no flags
Nd	<1.91E+3	ug/g	Rep1 (1D): no flags
Nd	<1.65E+3	ug/g	Rep2 (2D): no flags
Nd	<1.75E+3	ug/g	Rep3 (3D): no flags
Nd	<1.54E+3	ug/g	Rep4 (4D): no flags
Nd	<1.59E+3	ug/g	Rep5 (5D): no flags

Approved By	
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<b>Name</b>	<b>Date &amp; Time</b>





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<b>Collected:</b>	9/16/2002	1500

<b>Department</b>	FCP
<b>Customer's ID:</b>	SHD-WV-997-02,-03

Analysis	Result ***	Uncertainty	Lab Use Only
Nd	<2.10E+3	ug/g	Rep6 (6D): no flags
Nd	<1.60E+3	ug/g	Rep7 (7D): no flags
Nd	<1.73E+3	ug/g	Rep8 (8D): no flags
Nd	<1.92E+3	ug/g	Rep9 (9D): no flags
Ni	6.55E+2	ug/g	Rep1 (1D): no flags
Ni	6.38E+2	ug/g	Rep2 (2D): no flags
Ni	6.63E+2	ug/g	Rep3 (3D): no flags
Ni	6.61E+2	ug/g	Rep4 (4D): no flags
Ni	4.32E+2	ug/g	Rep5 (5D): no flags
Ni	6.37E+2	ug/g	Rep6 (6D): no flags
Ni	7.09E+2	ug/g	Rep7 (7D): no flags
Ni	6.63E+2	ug/g	Rep8 (8D): no flags
Ni	6.39E+2	ug/g	Rep9 (9D): no flags
P	5.71E+3	ug/g	Rep1 (1D): no flags
P	5.61E+3	ug/g	Rep2 (2D): no flags
P	5.57E+3	ug/g	Rep3 (3D): no flags
P	5.35E+3	ug/g	Rep4 (4D): no flags
P	3.72E+3	ug/g	Rep5 (5D): no flags
P	6.02E+3	ug/g	Rep6 (6D): no flags
P	5.98E+3	ug/g	Rep7 (7D): no flags
P	5.38E+3	ug/g	Rep8 (8D): no flags
P	5.40E+3	ug/g	Rep9 (9D): no flags
Pb	<7.562E+02	ug/g	Rep19 (1D - RCRA): no flags
Pb	<6.725E+02	ug/g	Rep20 (2D - RCRA): no flags
Pb	<7.388E+02	ug/g	Rep21 (3D - RCRA): no flags

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<b>Sample Type:</b>	POWDER-DUST	
<b>Collected:</b>	9/16/2002	1500

<b>Department</b>	FCP
<b>Customer's ID:</b>	SHD-WV-997-02,-03

Analysis	Result ***	Uncertainty	Lab Use Only
Pb	<7.004E+02	ug/g	Rep22 (4D - RCRA): no flags
Pb	<6.253E+02	ug/g	Rep23 (5D - RCRA): no flags
Pb	<8.716E+02	ug/g	Rep24 (6D - RCRA): no flags
Pb	<7.084E+02	ug/g	Rep25 (7D - RCRA): no flags
Pb	<7.398E+02	ug/g	Rep26 (8D - RCRA): no flags
Pb	<8.309E+02	ug/g	Rep27 (9D - RCRA): no flags
Ru	3.55E+2	ug/g	Rep1 (1D): no flags
Ru	3.60E+2	ug/g	Rep2 (2D): no flags
Ru	<3.52E+2	ug/g	Rep3 (3D): no flags
Ru	3.81E+2	ug/g	Rep4 (4D): no flags
Ru	<2.83E+2	ug/g	Rep5 (5D): no flags
Ru	<4.43E+2	ug/g	Rep6 (6D): no flags
Ru	3.82E+2	ug/g	Rep7 (7D): no flags
Ru	<3.64E+2	ug/g	Rep8 (8D): no flags
Ru	<4.01E+2	ug/g	Rep9 (9D): no flags
S	<1.65E+3	ug/g	Rep1 (1D): no flags
S	<1.56E+3	ug/g	Rep2 (2D): no flags
S	<1.76E+3	ug/g	Rep3 (3D): no flags
S	<1.59E+3	ug/g	Rep4 (4D): no flags
S	<1.42E+3	ug/g	Rep5 (5D): no flags
S	<2.22E+3	ug/g	Rep6 (6D): no flags
S	<1.80E+3	ug/g	Rep7 (7D): no flags
S	<1.82E+3	ug/g	Rep8 (8D): no flags
S	<2.00E+3	ug/g	Rep9 (9D): no flags
Se	3.23E+2	ug/g	Rep19 (1D - RCRA): no flags

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<b>Collected:</b>	9/16/2002	1500

<b>Department</b>	FCP
<b>Customer's ID:</b>	SHD-WV-997-02,-03

Analysis	Result ***	Uncertainty	Lab Use Only
Se	8.66E+2	ug/g	Rep20 (2D - RCRA): no flags
Se	4.89E+2	ug/g	Rep21 (3D - RCRA): no flags
Se	2.96E+2	ug/g	Rep22 (4D - RCRA): no flags
Se	<2.50E+2	ug/g	Rep23 (5D - RCRA): no flags
Se	4.18E+2	ug/g	Rep24 (6D - RCRA): no flags
Se	7.39E+2	ug/g	Rep25 (7D - RCRA): no flags
Se	<2.96E+2	ug/g	Rep26 (8D - RCRA): no flags
Se	<3.32E+2	ug/g	Rep27 (9D - RCRA): no flags
Si	2.00E+5	ug/g	Rep1 (1D): no flags
Si	2.00E+5	ug/g	Rep1 (1D): no flags
Si	1.97E+5	ug/g	Rep2 (2D): no flags
Si	1.97E+5	ug/g	Rep2 (2D): no flags
Si	1.99E+5	ug/g	Rep3 (3D): no flags
Si	1.99E+5	ug/g	Rep3 (3D): no flags
Si	2.04E+5	ug/g	Rep4 (4D): no flags
Si	2.04E+5	ug/g	Rep4 (4D): no flags
Si	1.36E+5	ug/g	Rep5 (5D): no flags
Si	1.36E+5	ug/g	Rep5 (5D): no flags
Si	2.08E+5	ug/g	Rep6 (6D): no flags
Si	2.08E+5	ug/g	Rep6 (6D): no flags
Si	2.08E+5	ug/g	Rep7 (7D): no flags
Si	2.08E+5	ug/g	Rep7 (7D): no flags
Si	2.00E+5	ug/g	Rep8 (8D): no flags
Si	2.00E+5	ug/g	Rep8 (8D): no flags
Si	1.98E+5	ug/g	Rep9 (9D): no flags

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<b>Sample Type:</b>	POWDER-DUST	
<b>Collected:</b>	9/16/2002	1500

<b>Department</b>	FCP
<b>Customer's ID:</b>	SHD-WV-997-02,-03

Analysis	Result ***	Uncertainty	Lab Use Only
Si	1.98E+5	ug/g	Rep9 (9D): no flags
Sr	<8.26E+2	ug/g	Rep1 (1D): no flags
Sr	<7.78E+2	ug/g	Rep2 (2D): no flags
Sr	<8.79E+2	ug/g	Rep3 (3D): no flags
Sr	<7.97E+2	ug/g	Rep4 (4D): no flags
Sr	<7.09E+2	ug/g	Rep5 (5D): no flags
Sr	<1.11E+3	ug/g	Rep6 (6D): no flags
Sr	<9.01E+2	ug/g	Rep7 (7D): no flags
Sr	<9.09E+2	ug/g	Rep8 (8D): no flags
Sr	<1.00E+3	ug/g	Rep9 (9D): no flags
Th	1.87E+3	ug/g	Rep1 (1D): no flags
Th	1.87E+3	ug/g	Rep1 (1D): no flags
Th	1.89E+3	ug/g	Rep2 (2D): no flags
Th	1.89E+3	ug/g	Rep2 (2D): no flags
Th	1.86E+3	ug/g	Rep3 (3D): no flags
Th	1.86E+3	ug/g	Rep3 (3D): no flags
Th	1.90E+3	ug/g	Rep4 (4D): no flags
Th	1.90E+3	ug/g	Rep4 (4D): no flags
Th	1.22E+3	ug/g	Rep5 (5D): no flags
Th	1.22E+3	ug/g	Rep5 (5D): no flags
Th	2.09E+3	ug/g	Rep6 (6D): no flags
Th	2.09E+3	ug/g	Rep6 (6D): no flags
Th	1.98E+3	ug/g	Rep7 (7D): no flags
Th	1.98E+3	ug/g	Rep7 (7D): no flags
Th	1.86E+3	ug/g	Rep8 (8D): no flags

Approved By	
_____	_____
<b>Name</b>	<b>Date &amp; Time</b>



**Login Date:** 23-Jan-04

**VAST Sample ID:** 04-0073

<b>Sample Point:</b>	EVACUATED CANISTERS	
<b>Sample Type:</b>	POWDER-DUST	
<b>Collected:</b>	9/16/2002	1500

<b>Department</b>	FCP
<b>Customer's ID:</b>	SHD-WV-997-02,-03

Analysis	Result ***	Uncertainty	Lab Use Only
Th	1.86E+3	ug/g	Rep8 (8D): no flags
Th	1.90E+3	ug/g	Rep9 (9D): no flags
Th	1.90E+3	ug/g	Rep9 (9D): no flags
Ti	5.13E+3	ug/g	Rep1 (1D): no flags
Ti	5.01E+3	ug/g	Rep2 (2D): no flags
Ti	5.07E+3	ug/g	Rep3 (3D): no flags
Ti	5.20E+3	ug/g	Rep4 (4D): no flags
Ti	3.47E+3	ug/g	Rep5 (5D): no flags
Ti	5.32E+3	ug/g	Rep6 (6D): no flags
Ti	5.31E+3	ug/g	Rep7 (7D): no flags
Ti	5.07E+3	ug/g	Rep8 (8D): no flags
Ti	5.02E+3	ug/g	Rep9 (9D): no flags
U	3.38E+3	ug/g	Rep1 (1D): U1
U	3.38E+3	ug/g	Rep1 (1D): no flags
U	3.32E+3	ug/g	Rep2 (2D): no flags
U	3.32E+3	ug/g	Rep2 (2D): U1
U	3.35E+3	ug/g	Rep3 (3D): no flags
U	3.35E+3	ug/g	Rep3 (3D): U1
U	3.44E+3	ug/g	Rep4 (4D): U1
U	3.44E+3	ug/g	Rep4 (4D): no flags
U	2.31E+3	ug/g	Rep5 (5D): U1
U	2.31E+3	ug/g	Rep5 (5D): no flags
U	3.54E+3	ug/g	Rep6 (6D): U1
U	3.54E+3	ug/g	Rep6 (6D): no flags
U	3.52E+3	ug/g	Rep7 (7D): U1

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**Login Date:** 23-Jan-04

**VAST Sample ID:** 04-0073

<b>Sample Point:</b>	EVACUATED CANISTERS	
<b>Sample Type:</b>	POWDER-DUST	
<b>Collected:</b>	9/16/2002	1500

<b>Department</b>	FCP
<b>Customer's ID:</b>	SHD-WV-997-02,-03

Analysis	Result ***	Uncertainty	Lab Use Only
U	3.52E+3	ug/g	Rep7 (7D): no flags
U	3.39E+3	ug/g	Rep8 (8D): U1
U	3.39E+3	ug/g	Rep8 (8D): no flags
U	3.34E+3	ug/g	Rep9 (9D): U1
U	3.34E+3	ug/g	Rep9 (9D): no flags
Zn	<8.26E+2	ug/g	Rep1 (1D): no flags
Zn	<7.78E+2	ug/g	Rep2 (2D): no flags
Zn	<8.79E+2	ug/g	Rep3 (3D): no flags
Zn	<7.97E+2	ug/g	Rep4 (4D): no flags
Zn	<7.09E+2	ug/g	Rep5 (5D): no flags
Zn	<1.11E+3	ug/g	Rep6 (6D): no flags
Zn	<9.01E+2	ug/g	Rep7 (7D): no flags
Zn	<9.09E+2	ug/g	Rep8 (8D): no flags
Zn	<1.00E+3	ug/g	Rep9 (9D): no flags
Zr	1.02E+4	ug/g	Rep1 (1D): no flags
Zr	1.02E+4	ug/g	Rep1 (1D): no flags
Zr	9.97E+3	ug/g	Rep2 (2D): no flags
Zr	9.97E+3	ug/g	Rep2 (2D): no flags
Zr	1.01E+4	ug/g	Rep3 (3D): no flags
Zr	1.01E+4	ug/g	Rep3 (3D): no flags
Zr	1.04E+4	ug/g	Rep4 (4D): no flags
Zr	1.04E+4	ug/g	Rep4 (4D): no flags
Zr	6.93E+3	ug/g	Rep5 (5D): no flags
Zr	6.93E+3	ug/g	Rep5 (5D): no flags
Zr	1.06E+4	ug/g	Rep6 (6D): no flags

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_____	_____
<b>Name</b>	<b>Date &amp; Time</b>



**Login Date:** 23-Jan-04

**VAST Sample ID:** 04-0073

<b>Sample Point:</b>	EVACUATED CANISTERS	
<b>Sample Type:</b>	POWDER-DUST	
<b>Collected:</b>	9/16/2002	1500

<b>Department</b>	FCP
<b>Customer's ID:</b>	SHD-WV-997-02,-03

Analysis	Result ***	Uncertainty	Lab Use Only
Zr	1.06E+4	ug/g	Rep6 (6D): no flags
Zr	1.06E+4	ug/g	Rep7 (7D): no flags
Zr	1.06E+4	ug/g	Rep7 (7D): no flags
Zr	1.01E+4	ug/g	Rep8 (8D): no flags
Zr	1.01E+4	ug/g	Rep8 (8D): no flags
Zr	1.00E+4	ug/g	Rep9 (9D): no flags
Zr	1.00E+4	ug/g	Rep9 (9D): no flags
GrossAlpha	5.04E+0	uCi/g 4.42E+0	Rep4 (1DB Reprep): no flags
GrossAlpha	5.23E+0	uCi/g 4.19E+0	Rep5 (2DB Reprep): no flags
GrossAlpha	2.80E+0	uCi/g 3.17E+0	Rep6 (3DB Reprep): no flags
GrossBeta	2.69E+3	uCi/g 1.25E+2	Rep4 (1DB Reprep): no flags
GrossBeta	2.78E+3	uCi/g 1.25E+2	Rep5 (2DB Reprep): no flags
GrossBeta	2.62E+3	uCi/g 1.21E+2	Rep6 (3DB Reprep): no flags
H3	<1.31E-2	uCi/g	Rep1 (#1 Leach): no flags
H3	<9.26E-3	uCi/g	Rep2 (#2 Leach): no flags
H3	<1.09E-2	uCi/g	Rep3 (#3 Leach): no flags
Sr90	1.27E+2	uCi/g 3.61E+0	Rep1 (1DB): no flags
Sr90	1.30E+2	uCi/g 3.68E+0	Rep2 (2DB): no flags
Sr90	1.25E+2	uCi/g 3.54E+0	Rep3 (3DB): no flags
Tc99	9.67E-3	uCi/g 4.03E-4	Rep1 (SHD-WV-997 02,03): no flags
Tc99	9.42E-3	uCi/g 4.44E-4	Rep2 (#2): no flags
Tc99	9.86E-3	uCi/g 4.65E-4	Rep3 (#3): no flags
C-14	<8.79E-3	uCi/g	Rep1 (#1 Leach): no flags
C-14	<6.01E-3	uCi/g	Rep2 (#2 Leach): no flags
C-14	<7.05E-3	uCi/g	Rep3 (#3 Leach): no flags

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**VAST Sample ID:** 04-0073

<b>Sample Point:</b>	EVACUATED CANISTERS	
<b>Sample Type:</b>	POWDER-DUST	
<b>Collected:</b>	9/16/2002	1500

<b>Department</b>	FCP
<b>Customer's ID:</b>	SHD-WV-997-02,-03

Analysis	Result ***	Uncertainty	Lab Use Only
Fe55	<2.94E-2	uCi/g	Rep1 (1DB REPEAT): no flags
Fe55	<6.44E-2	uCi/g	Rep2 (2DB REPEAT): no flags
Fe55	<2.15E-2	uCi/g	Rep3 (3DB REPEAT): no flags
Am241	1.49E+0	uCi/g 8.98E-2	Rep1 (1DB REPEAT): no flags
Am241	1.51E+0	uCi/g 9.08E-2	Rep2 (2DB REPEAT): no flags
Am241	1.48E+0	uCi/g 8.90E-2	Rep3 (3DB REPEAT): no flags
Am243	1.47E-2	uCi/g 9.32E-4	Rep1 (1DB REPEAT): no flags
Am243	1.49E-2	uCi/g 9.42E-4	Rep2 (2DB REPEAT): no flags
Am243	1.46E-2	uCi/g 9.24E-4	Rep3 (3DB REPEAT): no flags
Cm242	1.02E-1	uCi/g 7.65E-3	Rep1 (1DB REPEAT): no flags
Cm242	1.05E-1	uCi/g 7.85E-3	Rep2 (2DB REPEAT): no flags
Cm242	1.02E-1	uCi/g 7.72E-3	Rep3 (3DB REPEAT): no flags
Cm243/244	2.26E-1	uCi/g 1.38E-2	Rep1 (1DB REPEAT): no flags
Cm243/244	2.29E-1	uCi/g 1.39E-2	Rep2 (2DB REPEAT): no flags
Cm243/244	2.24E-1	uCi/g 1.36E-2	Rep3 (3DB REPEAT): no flags
Np237	3.85E-3	uCi/g 5.24E-4	Rep1 (1DB REPEAT): no flags
Np237	2.68E-3	uCi/g 3.72E-4	Rep2 (2DB REPEAT): no flags
Np237	Not Measured	uCi/g	Rep3 (3DB REPEAT): U2
Pu236	<2.81E-6	uCi/g	Rep1 (1DB REPEAT): no flags
Pu236	<2.96E-6	uCi/g	Rep2 (2DB REPEAT): no flags
Pu236	Not Measured	uCi/g	Rep3 (3DB REPEAT): U2
Pu238	3.34E-1	uCi/g 2.05E-2	Rep1 (1DB REPEAT): no flags
Pu238	3.52E-1	uCi/g 2.15E-2	Rep2 (2DB REPEAT): no flags
Pu238	Not Measured	uCi/g	Rep3 (3DB REPEAT): U2
Pu-238	3.54E-1	uCi/g 8.35E-3	Rep1 (3DB REPEAT): no flags

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**VAST Sample ID:** 04-0073

<b>Sample Point:</b>	EVACUATED CANISTERS	
<b>Sample Type:</b>	POWDER-DUST	
<b>Collected:</b>	9/16/2002	1500

<b>Department</b>	FCP
<b>Customer's ID:</b>	SHD-WV-997-02,-03

Analysis	Result ***	Uncertainty	Lab Use Only
Pu239/240	1.35E-1	uCi/g 8.60E-3	Rep1 (1DB REPEAT): no flags
Pu239/240	1.42E-1	uCi/g 8.95E-3	Rep2 (2DB REPEAT): no flags
Pu239/240	Not Measured	uCi/g	Rep3 (3DB REPEAT): U2
Pu-239+240	1.44E-1	uCi/g 4.18E-3	Rep1 (3DB REPEAT): no flags
Pu-241	1.54E+0	uCi/g 2.32E-1	Rep1 (1DB): no flags
Pu-241	1.65E+0	uCi/g 2.45E-1	Rep2 (2DB): no flags
Pu-241	1.66E+0	uCi/g 1.69E-1	Rep3 (3DB): no flags
Pu242	<4.61E-4	uCi/g	Rep1 (1DB REPEAT): no flags
Pu242	<4.18E-4	uCi/g	Rep2 (2DB REPEAT): no flags
Pu242	Not Measured	uCi/g	Rep3 (3DB REPEAT): U2
Th228	2.94E-2	uCi/g 1.93E-3	Rep1 (1DB REPEAT): no flags
Th228	2.72E-2	uCi/g 1.77E-3	Rep2 (2DB REPEAT): no flags
Th228	3.12E-2	uCi/g 2.02E-3	Rep3 (3DB REPEAT): no flags
Th229	<9.77E-5	uCi/g	Rep1 (1DB REPEAT): no flags
Th229	<1.06E-4	uCi/g	Rep2 (2DB REPEAT): no flags
Th229	<1.04E-4	uCi/g	Rep3 (3DB REPEAT): no flags
Th230	2.10E-4	uCi/g 3.75E-5	Rep1 (1DB REPEAT): no flags
Th230	1.94E-4	uCi/g 3.46E-5	Rep2 (2DB REPEAT): no flags
Th230	2.23E-4	uCi/g 3.97E-5	Rep3 (3DB REPEAT): no flags
Th232	2.45E-4	uCi/g 5.70E-5	Rep1 (1DB REPEAT): no flags
Th232	1.88E-4	uCi/g 4.60E-5	Rep2 (2DB REPEAT): no flags
Th232	1.61E-4	uCi/g 4.58E-5	Rep3 (3DB REPEAT): no flags
TotAlphaPu	4.98E-1	uCi/g 1.25E-2	Rep1 (3DB REPEAT): no flags
U232	2.66E-2	uCi/g 1.65E-3	Rep1 (1DB REPEAT): no flags
U232	2.62E-2	uCi/g 1.62E-3	Rep2 (2DB REPEAT): no flags

Approved By	
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**Login Date:** 23-Jan-04

**VAST Sample ID:** 04-0073

<b>Sample Point:</b>	EVACUATED CANISTERS	
<b>Sample Type:</b>	POWDER-DUST	
<b>Collected:</b>	9/16/2002	1500

<b>Department</b>	FCP
<b>Customer's ID:</b>	SHD-WV-997-02,-03

Analysis	Result ***	Uncertainty	Lab Use Only
U232	2.83E-2	uCi/g 1.77E-3	Rep3 (3DB REPEAT): no flags
U233/234	1.60E-2	uCi/g 1.01E-3	Rep1 (1DB REPEAT): no flags
U233/234	1.57E-2	uCi/g 9.93E-4	Rep2 (2DB REPEAT): no flags
U233/234	1.70E-2	uCi/g 1.08E-3	Rep3 (3DB REPEAT): no flags
U235/236	8.46E-4	uCi/g 9.21E-5	Rep1 (1DB REPEAT): no flags
U235/236	7.34E-4	uCi/g 5.66E-5	Rep2 (2DB REPEAT): no flags
U235/236	7.93E-4	uCi/g 6.16E-5	Rep3 (3DB REPEAT): no flags
U238	1.15E-3	uCi/g 1.06E-4	Rep1 (1DB REPEAT): no flags
U238	1.20E-3	uCi/g 1.08E-4	Rep2 (2DB REPEAT): no flags
U238	8.78E-4	uCi/g 9.31E-5	Rep3 (3DB REPEAT): no flags
Ac-227	<2.88E-1	uCi/g	Rep4 (1 DB REPEAT): no flags
Ac-227	<6.34E-1	uCi/g	Rep5 (2 DB REPEAT): no flags
Ac-227	<3.86E-1	uCi/g	Rep6 (3 DB REPEAT): no flags
Ag-110	<2.24E-1	uCi/g	Rep4 (1 DB REPEAT): no flags
Ag-110	<4.68E-1	uCi/g	Rep5 (2 DB REPEAT): no flags
Ag-110	<2.66E-1	uCi/g	Rep6 (3 DB REPEAT): no flags
Bi-212	<3.33E-1	uCi/g	Rep4 (1 DB REPEAT): no flags
Bi-212	<7.00E-1	uCi/g	Rep5 (2 DB REPEAT): no flags
Bi-212	<3.14E-1	uCi/g	Rep6 (3 DB REPEAT): no flags
Ce-144	<7.87E-1	uCi/g	Rep4 (1 DB REPEAT): no flags
Ce-144	<1.40E+0	uCi/g	Rep5 (2 DB REPEAT): no flags
Ce-144	<8.93E-1	uCi/g	Rep6 (3 DB REPEAT): no flags
Co-60	4.04E-2	uCi/g 1.47E-2	Rep4 (1 DB REPEAT): no flags
Co-60	<2.97E-2	uCi/g	Rep5 (2 DB REPEAT): no flags
Co-60	<1.59E-2	uCi/g	Rep6 (3 DB REPEAT): no flags

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**VAST Sample ID:** 04-0073

<b>Sample Point:</b>	EVACUATED CANISTERS	
<b>Sample Type:</b>	POWDER-DUST	
<b>Collected:</b>	9/16/2002	1500

<b>Department</b>	FCP
<b>Customer's ID:</b>	SHD-WV-997-02,-03

Analysis	Result ***	Uncertainty	Lab Use Only
Cs-134	<7.19E-2	uCi/g	Rep4 (1 DB REPEAT): no flags
Cs-134	<1.32E-1	uCi/g	Rep5 (2 DB REPEAT): no flags
Cs-134	<9.39E-2	uCi/g	Rep6 (3 DB REPEAT): no flags
Cs-137	2.19E+3	uCi/g 5.88E+1	Rep4 (1 DB REPEAT): no flags
Cs-137	2.26E+3	uCi/g 6.08E+1	Rep5 (2 DB REPEAT): no flags
Cs-137	2.46E+3	uCi/g 6.78E+1	Rep6 (3 DB REPEAT): no flags
Eu-152	<8.78E-2	uCi/g	Rep4 (1 DB REPEAT): no flags
Eu-152	<1.74E-1	uCi/g	Rep5 (2 DB REPEAT): no flags
Eu-152	<1.04E-1	uCi/g	Rep6 (3 DB REPEAT): no flags
Eu-154	6.56E-1	uCi/g 4.90E-2	Rep4 (1 DB REPEAT): no flags
Eu-154	5.94E-1	uCi/g 7.58E-2	Rep5 (2 DB REPEAT): no flags
Eu-154	5.51E-1	uCi/g 6.00E-2	Rep6 (3 DB REPEAT): no flags
Eu-155	<1.00E-1	uCi/g	Rep4 (1 DB REPEAT): no flags
Eu-155	<1.91E-1	uCi/g	Rep5 (2 DB REPEAT): no flags
Eu-155	<1.57E-1	uCi/g	Rep6 (3 DB REPEAT): no flags
I-129	<1.11E-3	uCi/g	Rep1 (Caustic leach 1): no flags
I-129	<9.41E-4	uCi/g	Rep2 (#2): no flags
I-129	<1.35E-3	uCi/g	Rep3 (#3): no flags
K-40	<1.98E-2	uCi/g	Rep4 (1 DB REPEAT): no flags
K-40	4.44E-2	uCi/g 3.74E-2	Rep5 (2 DB REPEAT): no flags
K-40	<2.57E-2	uCi/g	Rep6 (3 DB REPEAT): no flags
Mn-54	8.12E-2	uCi/g 7.80E-2	Rep4 (1 DB REPEAT): no flags
Mn-54	<3.85E-2	uCi/g	Rep5 (2 DB REPEAT): no flags
Mn-54	<4.34E-2	uCi/g	Rep6 (3 DB REPEAT): no flags
Nb-94	<1.62E-2	uCi/g	Rep4 (1 DB REPEAT): no flags

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**Login Date:** 23-Jan-04

**VAST Sample ID:** 04-0073

<b>Sample Point:</b>	EVACUATED CANISTERS	
<b>Sample Type:</b>	POWDER-DUST	
<b>Collected:</b>	9/16/2002	1500

<b>Department</b>	FCP
<b>Customer's ID:</b>	SHD-WV-997-02,-03

Analysis	Result ***	Uncertainty	Lab Use Only
Nb-94	<2.61E-2	uCi/g	Rep5 (2 DB REPEAT): no flags
Nb-94	<1.98E-2	uCi/g	Rep6 (3 DB REPEAT): no flags
Ni59	<2.97E-1	uCi/g	Rep1 (1DB REPEAT): no flags
Ni59	<7.76E-2	uCi/g	Rep2 (2DB REPEAT): no flags
Ni59	<3.20E-1	uCi/g	Rep3 (3DB REPEAT): no flags
Ni63	4.84E-1	uCi/g 1.70E-1	Rep1 (1DB REPEAT): no flags
Ni63	5.48E-1	uCi/g 1.87E-1	Rep2 (2DB REPEAT): no flags
Ni63	5.14E-1	uCi/g 1.77E-1	Rep3 (3DB REPEAT): no flags
Np-239	<6.40E-2	uCi/g	Rep4 (1 DB REPEAT): no flags
Np-239	<1.22E-1	uCi/g	Rep5 (2 DB REPEAT): no flags
Np-239	<8.89E-2	uCi/g	Rep6 (3 DB REPEAT): no flags
Pa-231	<1.40E+0	uCi/g	Rep4 (1 DB REPEAT): no flags
Pa-231	<3.02E+0	uCi/g	Rep5 (2 DB REPEAT): no flags
Pa-231	<2.30E+0	uCi/g	Rep6 (3 DB REPEAT): no flags
Pb-212	<1.61E-1	uCi/g	Rep4 (1 DB REPEAT): no flags
Pb-212	<3.09E-1	uCi/g	Rep5 (2 DB REPEAT): no flags
Pb-212	<1.73E-1	uCi/g	Rep6 (3 DB REPEAT): no flags
Ra-226	<9.24E-1	uCi/g	Rep4 (1 DB REPEAT): no flags
Ra-226	<1.75E+0	uCi/g	Rep5 (2 DB REPEAT): no flags
Ra-226	<1.18E+0	uCi/g	Rep6 (3 DB REPEAT): no flags
Ra-228	<7.37E-2	uCi/g	Rep4 (1 DB REPEAT): no flags
Ra-228	<1.63E-1	uCi/g	Rep5 (2 DB REPEAT): no flags
Ra-228	<5.14E-2	uCi/g	Rep6 (3 DB REPEAT): no flags
Ru-106	<1.02E+0	uCi/g	Rep4 (1 DB REPEAT): no flags
Ru-106	<1.44E+0	uCi/g	Rep5 (2 DB REPEAT): no flags

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**VAST Sample ID:** 04-0073

<b>Sample Point:</b>	EVACUATED CANISTERS	
<b>Sample Type:</b>	POWDER-DUST	
<b>Collected:</b>	9/16/2002	1500

<b>Department</b>	FCP
<b>Customer's ID:</b>	SHD-WV-997-02,-03

Analysis	Result ***	Uncertainty	Lab Use Only
Ru-106	<1.04E+0	uCi/g	Rep6 (3 DB REPEAT): no flags
Sb-125	<3.57E-1	uCi/g	Rep4 (1 DB REPEAT): no flags
Sb-125	<7.90E-1	uCi/g	Rep5 (2 DB REPEAT): no flags
Sb-125	<5.04E-1	uCi/g	Rep6 (3 DB REPEAT): no flags
Zr-95	<3.31E+0	uCi/g	Rep4 (1 DB REPEAT): no flags
Zr-95	1.37E+1	uCi/g 7.30E+0	Rep5 (2 DB REPEAT): no flags
Zr-95	<2.92E+0	uCi/g	Rep6 (3 DB REPEAT): no flags

**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	
_____	_____
<b>Name</b>	<b>Date &amp; Time</b>

