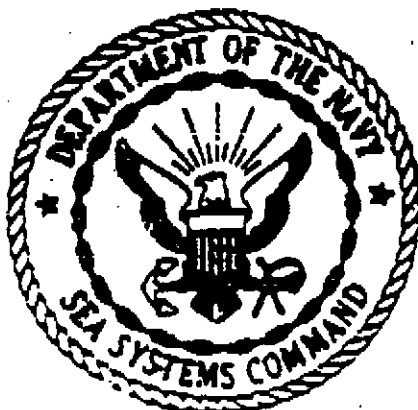


NAVAL SEA SYSTEMS COMMAND



FOR TRANSMITTAL OF UNCLASSIFIED MATERIAL ONLY

FACSIMILE TRANSMITTAL SHEET

MATERIALS ENGINEERING GROUP

CODE SEA 03M12.5 FROM DR. BRENDA S. HOLMES  
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DATE 23 Jan 97

TO Dr Lydia Frenzel

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SUBJECT Chlorides - Hydro vs Grit  
USS Paul Foster

THIS PAGE 1 OF 2

*Sorry for the  
delay. B. Holmes*

**Soluble Substances (P & W Hand Held Hydroblast Unit)**

Table 1

Element	ppm	µg
Nickel	0.02	0.68
Zinc	0.21	7.14
Manganese	0.01	0.34
Magnesium	0.07	2.38
Calcium	0.4	13.6
Copper	0.11	3.74
Aluminum	0.01	0.34
Lead	0.05	1.7
Iron	0.08	2.04
Potassium	1.37	46.58
Sodium	2.83	96.22
Chloride	2.8	95.2
Sulfate	0.7	23.8
<b>Total</b>	<b>8.64</b>	<b>293.76</b>
	<b>Total Sample Area (cm<sup>2</sup>)</b>	<b>112.5</b>
	<b>Total µg/cm<sup>2</sup></b>	<b>2.61</b>
	<b>Chloride µg/cm<sup>2</sup></b>	<b>0.85</b>

**Soluble Substances (ABB Hand Held Grit Blast Unit)**

Table 2

Element	ppm	µg
Nickel	0.83	2.835
Zinc	16.8	75.6
Manganese	0.34	1.53
Magnesium	7.47	33.615
Calcium	22.1	99.45
Copper	2.78	12.51
Aluminum	3.91	17.595
Lead	0.5	2.25
Iron	105	472.5
Potassium	5.7	25.65
Sodium	467	2101.5
Chloride	895	3127.5
Sulfate	14	63
<b>Total</b>	<b>1341.23</b>	<b>6035.54</b>
	<b>Total Sample Area (cm<sup>2</sup>)</b>	<b>50</b>
	<b>Total µg/cm<sup>2</sup></b>	<b>120.71</b>
	<b>Chloride µg/cm<sup>2</sup></b>	<b>62.55</b>

Attachment (B)