



LABORATORY REPORT

Prepared For: Geosyntec Consultants/Project Navigator - Ascon  
2100 Main Street, Suite 150  
Huntington Beach, CA 92648  
Attention: Mike Reardon

Project: SB0202/31

Sampled: 07/22/04  
Received: 07/22/04  
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NELAP #01108CA CA ELAP #1197 CSDLAC #10117

*The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.  
This entire report was reviewed and approved for release.*

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
ING1250-01	PNL-L1A-1	Soil
ING1250-02	PNL-L1A-2	Soil
ING1250-03	PNL-L1B-1	Soil
ING1250-04	PNL-L2A-1	Soil
ING1250-05	PNL-L2B-1	Soil
ING1250-06	PNL-L3A-1	Soil
ING1250-07	PNL-L3B-1	Soil
ING1250-08	PNL-L4A-1	Soil
ING1250-09	PNL-L4B-1	Soil
ING1250-10	PNL-L5A-1	Soil
ING1250-11	PNL-L5B-1	Soil

Reviewed By:

Del Mar Analytical, Irvine  
Kathleen A. Robb  
Project Manager



Geosyntec Consultants/Project Navigator - Ascon  
 2100 Main Street, Suite 150  
 Huntington Beach, CA 92648  
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Project ID: SB0202/31

Report Number: ING1250

Sampled: 07/22/04  
 Received: 07/22/04

## METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: ING1250-01 (PNL-L1A-1 - Soil)</b>								
Reporting Units: mg/kg								
Antimony	EPA 6010B	4G23084	10	ND	1	7/23/2004	7/24/2004	
Arsenic	EPA 6010B	4G23084	2.0	<b>15</b>	1	7/23/2004	7/24/2004	
Barium	EPA 6010B	4G23084	1.0	<b>540</b>	1	7/23/2004	7/24/2004	
Beryllium	EPA 6010B	4G23084	0.50	ND	1	7/23/2004	7/24/2004	
Cadmium	EPA 6010B	4G23084	0.50	<b>1.9</b>	1	7/23/2004	7/24/2004	
Chromium	EPA 6010B	4G23084	1.0	<b>30</b>	1	7/23/2004	7/24/2004	
Cobalt	EPA 6010B	4G23084	1.0	<b>1.7</b>	1	7/23/2004	7/24/2004	
Copper	EPA 6010B	4G23084	2.0	<b>15</b>	1	7/23/2004	7/24/2004	
Lead	EPA 6010B	4G23084	2.0	<b>120</b>	1	7/23/2004	7/24/2004	
Mercury	EPA 7471A	4G27063	0.020	<b>0.11</b>	1	7/27/2004	7/27/2004	
Molybdenum	EPA 6010B	4G23084	2.0	ND	1	7/23/2004	7/24/2004	
Nickel	EPA 6010B	4G23084	2.0	<b>54</b>	1	7/23/2004	7/24/2004	
Selenium	EPA 6010B	4G23084	2.0	ND	1	7/23/2004	7/24/2004	
Silver	EPA 6010B	4G23084	1.0	ND	1	7/23/2004	7/24/2004	
Thallium	EPA 6010B	4G23084	10	ND	1	7/23/2004	7/24/2004	
Vanadium	EPA 6010B	4G23084	1.0	<b>19</b>	1	7/23/2004	7/24/2004	
Zinc	EPA 6010B	4G23084	5.0	<b>220</b>	1	7/23/2004	7/24/2004	
<b>Sample ID: ING1250-02 (PNL-L1A-2 - Soil)</b>								
Reporting Units: mg/kg								
Antimony	EPA 6010B	4G23084	10	ND	1	7/23/2004	7/24/2004	
Arsenic	EPA 6010B	4G23084	2.0	<b>44</b>	1	7/23/2004	7/24/2004	
Barium	EPA 6010B	4G23084	2.0	<b>1700</b>	2	7/23/2004	7/24/2004	
Beryllium	EPA 6010B	4G23084	0.50	ND	1	7/23/2004	7/24/2004	
Cadmium	EPA 6010B	4G23084	0.50	<b>3.7</b>	1	7/23/2004	7/24/2004	
Chromium	EPA 6010B	4G23084	1.0	<b>97</b>	1	7/23/2004	7/24/2004	
Cobalt	EPA 6010B	4G23084	1.0	<b>5.2</b>	1	7/23/2004	7/24/2004	
Copper	EPA 6010B	4G23084	2.0	<b>64</b>	1	7/23/2004	7/24/2004	
Lead	EPA 6010B	4G23084	4.0	<b>1900</b>	2	7/23/2004	7/24/2004	
Mercury	EPA 7471A	4G27063	0.020	<b>0.70</b>	1	7/27/2004	7/27/2004	
Molybdenum	EPA 6010B	4G23084	2.0	<b>4.0</b>	1	7/23/2004	7/24/2004	
Nickel	EPA 6010B	4G23084	2.0	<b>36</b>	1	7/23/2004	7/24/2004	
Selenium	EPA 6010B	4G23084	2.0	ND	1	7/23/2004	7/24/2004	
Silver	EPA 6010B	4G23084	1.0	ND	1	7/23/2004	7/24/2004	
Thallium	EPA 6010B	4G23084	10	ND	1	7/23/2004	7/24/2004	
Vanadium	EPA 6010B	4G23084	1.0	<b>21</b>	1	7/23/2004	7/24/2004	
Zinc	EPA 6010B	4G23084	5.0	<b>680</b>	1	7/23/2004	7/24/2004	

**Del Mar Analytical, Irvine**  
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## METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: ING1250-03 (PNL-L1B-1 - Soil)</b>								
Reporting Units: mg/kg								
Antimony	EPA 6010B	4G23084	10	ND	1	7/23/2004	7/24/2004	
<b>Arsenic</b>	EPA 6010B	4G23084	2.0	<b>4.8</b>	1	7/23/2004	7/24/2004	
<b>Barium</b>	EPA 6010B	4G23084	1.0	<b>170</b>	1	7/23/2004	7/24/2004	
Beryllium	EPA 6010B	4G23084	0.50	ND	1	7/23/2004	7/24/2004	
<b>Cadmium</b>	EPA 6010B	4G23084	0.50	<b>0.55</b>	1	7/23/2004	7/24/2004	
<b>Chromium</b>	EPA 6010B	4G23084	1.0	<b>7.2</b>	1	7/23/2004	7/24/2004	
Cobalt	EPA 6010B	4G23084	1.0	ND	1	7/23/2004	7/24/2004	
<b>Copper</b>	EPA 6010B	4G23084	2.0	<b>4.2</b>	1	7/23/2004	7/24/2004	
<b>Lead</b>	EPA 6010B	4G23084	2.0	<b>32</b>	1	7/23/2004	7/24/2004	
<b>Mercury</b>	EPA 7471A	4G27063	0.020	<b>0.16</b>	1	7/27/2004	7/27/2004	
Molybdenum	EPA 6010B	4G23084	2.0	ND	1	7/23/2004	7/24/2004	
<b>Nickel</b>	EPA 6010B	4G23084	2.0	<b>9.7</b>	1	7/23/2004	7/24/2004	
Selenium	EPA 6010B	4G23084	2.0	ND	1	7/23/2004	7/24/2004	
Silver	EPA 6010B	4G23084	1.0	ND	1	7/23/2004	7/24/2004	
Thallium	EPA 6010B	4G23084	10	ND	1	7/23/2004	7/24/2004	
<b>Vanadium</b>	EPA 6010B	4G23084	1.0	<b>4.0</b>	1	7/23/2004	7/24/2004	
<b>Zinc</b>	EPA 6010B	4G23084	5.0	<b>66</b>	1	7/23/2004	7/24/2004	
<b>Sample ID: ING1250-04 (PNL-L2A-1 - Soil)</b>								
Reporting Units: mg/kg								
Antimony	EPA 6010B	4G23084	10	ND	1	7/23/2004	7/24/2004	
<b>Arsenic</b>	EPA 6010B	4G23084	2.0	<b>16</b>	1	7/23/2004	7/24/2004	
<b>Barium</b>	EPA 6010B	4G23084	1.0	<b>480</b>	1	7/23/2004	7/24/2004	
Beryllium	EPA 6010B	4G23084	0.50	ND	1	7/23/2004	7/24/2004	
<b>Cadmium</b>	EPA 6010B	4G23084	0.50	<b>2.0</b>	1	7/23/2004	7/24/2004	
<b>Chromium</b>	EPA 6010B	4G23084	1.0	<b>27</b>	1	7/23/2004	7/24/2004	
<b>Cobalt</b>	EPA 6010B	4G23084	1.0	<b>1.6</b>	1	7/23/2004	7/24/2004	
<b>Copper</b>	EPA 6010B	4G23084	2.0	<b>15</b>	1	7/23/2004	7/24/2004	
<b>Lead</b>	EPA 6010B	4G23084	2.0	<b>120</b>	1	7/23/2004	7/24/2004	
<b>Mercury</b>	EPA 7471A	4G27063	0.020	<b>0.14</b>	1	7/27/2004	7/27/2004	
Molybdenum	EPA 6010B	4G23084	2.0	ND	1	7/23/2004	7/24/2004	
<b>Nickel</b>	EPA 6010B	4G23084	2.0	<b>47</b>	1	7/23/2004	7/24/2004	
Selenium	EPA 6010B	4G23084	2.0	ND	1	7/23/2004	7/24/2004	
Silver	EPA 6010B	4G23084	1.0	ND	1	7/23/2004	7/24/2004	
Thallium	EPA 6010B	4G23084	10	ND	1	7/23/2004	7/24/2004	
<b>Vanadium</b>	EPA 6010B	4G23084	1.0	<b>17</b>	1	7/23/2004	7/24/2004	
<b>Zinc</b>	EPA 6010B	4G23084	5.0	<b>220</b>	1	7/23/2004	7/24/2004	

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## METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: ING1250-05 (PNL-L2B-1 - Soil)</b>								
<b>Reporting Units: mg/kg</b>								
Antimony	EPA 6010B	4G23084	10	ND	1	7/23/2004	7/24/2004	
Arsenic	EPA 6010B	4G23084	2.0	<b>73</b>	1	7/23/2004	7/24/2004	
Barium	EPA 6010B	4G23084	1.0	<b>990</b>	1	7/23/2004	7/24/2004	
Beryllium	EPA 6010B	4G23084	0.50	ND	1	7/23/2004	7/24/2004	
Cadmium	EPA 6010B	4G23084	0.50	<b>12</b>	1	7/23/2004	7/24/2004	
Chromium	EPA 6010B	4G23084	1.0	<b>130</b>	1	7/23/2004	7/24/2004	
Cobalt	EPA 6010B	4G23084	1.0	<b>6.1</b>	1	7/23/2004	7/24/2004	
Copper	EPA 6010B	4G23084	2.0	<b>72</b>	1	7/23/2004	7/24/2004	
Lead	EPA 6010B	4G23084	4.0	<b>2100</b>	2	7/23/2004	7/24/2004	
Mercury	EPA 7471A	4G27063	0.020	<b>0.40</b>	1	7/27/2004	7/27/2004	
Molybdenum	EPA 6010B	4G23084	2.0	<b>3.5</b>	1	7/23/2004	7/24/2004	
Nickel	EPA 6010B	4G23084	2.0	<b>49</b>	1	7/23/2004	7/24/2004	
Selenium	EPA 6010B	4G23084	2.0	ND	1	7/23/2004	7/24/2004	
Silver	EPA 6010B	4G23084	1.0	ND	1	7/23/2004	7/24/2004	
Thallium	EPA 6010B	4G23084	10	ND	1	7/23/2004	7/24/2004	
Vanadium	EPA 6010B	4G23084	1.0	<b>32</b>	1	7/23/2004	7/24/2004	
Zinc	EPA 6010B	4G23084	5.0	<b>1200</b>	1	7/23/2004	7/24/2004	
<b>Sample ID: ING1250-06 (PNL-L3A-1 - Soil)</b>								
<b>Reporting Units: mg/kg</b>								
Antimony	EPA 6010B	4G23084	10	ND	1	7/23/2004	7/24/2004	
Arsenic	EPA 6010B	4G23084	2.0	<b>54</b>	1	7/23/2004	7/24/2004	
Barium	EPA 6010B	4G23084	2.0	<b>1700</b>	2	7/23/2004	7/24/2004	
Beryllium	EPA 6010B	4G23084	0.50	ND	1	7/23/2004	7/24/2004	
Cadmium	EPA 6010B	4G23084	0.50	<b>1.3</b>	1	7/23/2004	7/24/2004	
Chromium	EPA 6010B	4G23084	1.0	<b>66</b>	1	7/23/2004	7/24/2004	
Cobalt	EPA 6010B	4G23084	1.0	<b>2.8</b>	1	7/23/2004	7/24/2004	
Copper	EPA 6010B	4G23084	2.0	<b>74</b>	1	7/23/2004	7/24/2004	
Lead	EPA 6010B	4G23084	2.0	<b>180</b>	1	7/23/2004	7/24/2004	
Mercury	EPA 7471A	4G27063	0.020	<b>0.15</b>	1	7/27/2004	7/27/2004	
Molybdenum	EPA 6010B	4G23084	2.0	<b>2.0</b>	1	7/23/2004	7/24/2004	
Nickel	EPA 6010B	4G23084	2.0	<b>28</b>	1	7/23/2004	7/24/2004	
Selenium	EPA 6010B	4G23084	2.0	ND	1	7/23/2004	7/24/2004	
Silver	EPA 6010B	4G23084	1.0	ND	1	7/23/2004	7/24/2004	
Thallium	EPA 6010B	4G23084	10	ND	1	7/23/2004	7/24/2004	
Vanadium	EPA 6010B	4G23084	1.0	<b>22</b>	1	7/23/2004	7/24/2004	
Zinc	EPA 6010B	4G23084	5.0	<b>200</b>	1	7/23/2004	7/24/2004	

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## METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: ING1250-07 (PNL-L3B-1 - Soil)</b>								
Reporting Units: mg/kg								
Antimony	EPA 6010B	4G23084	10	ND	1	7/23/2004	7/24/2004	
<b>Arsenic</b>	EPA 6010B	4G23084	2.0	<b>49</b>	1	7/23/2004	7/24/2004	
<b>Barium</b>	EPA 6010B	4G23084	2.0	<b>1500</b>	2	7/23/2004	7/24/2004	
Beryllium	EPA 6010B	4G23084	0.50	ND	1	7/23/2004	7/24/2004	
Cadmium	EPA 6010B	4G23084	0.50	ND	1	7/23/2004	7/24/2004	
<b>Chromium</b>	EPA 6010B	4G23084	1.0	<b>100</b>	1	7/23/2004	7/24/2004	
<b>Cobalt</b>	EPA 6010B	4G23084	1.0	<b>2.5</b>	1	7/23/2004	7/24/2004	
<b>Copper</b>	EPA 6010B	4G23084	2.0	<b>19</b>	1	7/23/2004	7/24/2004	
<b>Lead</b>	EPA 6010B	4G23084	2.0	<b>200</b>	1	7/23/2004	7/24/2004	
<b>Mercury</b>	EPA 7471A	4G27063	0.020	<b>0.13</b>	1	7/27/2004	7/27/2004	
Molybdenum	EPA 6010B	4G23084	2.0	ND	1	7/23/2004	7/24/2004	
<b>Nickel</b>	EPA 6010B	4G23084	2.0	<b>20</b>	1	7/23/2004	7/24/2004	
Selenium	EPA 6010B	4G23084	2.0	ND	1	7/23/2004	7/24/2004	
Silver	EPA 6010B	4G23084	1.0	ND	1	7/23/2004	7/24/2004	
Thallium	EPA 6010B	4G23084	10	ND	1	7/23/2004	7/24/2004	
<b>Vanadium</b>	EPA 6010B	4G23084	1.0	<b>17</b>	1	7/23/2004	7/24/2004	
<b>Zinc</b>	EPA 6010B	4G23084	5.0	<b>76</b>	1	7/23/2004	7/24/2004	
<b>Sample ID: ING1250-08 (PNL-L4A-1 - Soil)</b>								
Reporting Units: mg/kg								
Antimony	EPA 6010B	4G23084	10	ND	1	7/23/2004	7/24/2004	
<b>Arsenic</b>	EPA 6010B	4G23084	2.0	<b>42</b>	1	7/23/2004	7/24/2004	
<b>Barium</b>	EPA 6010B	4G23084	1.0	<b>950</b>	1	7/23/2004	7/24/2004	
Beryllium	EPA 6010B	4G23084	0.50	ND	1	7/23/2004	7/24/2004	
<b>Cadmium</b>	EPA 6010B	4G23084	0.50	<b>14</b>	1	7/23/2004	7/24/2004	
<b>Chromium</b>	EPA 6010B	4G23084	1.0	<b>92</b>	1	7/23/2004	7/24/2004	
<b>Cobalt</b>	EPA 6010B	4G23084	1.0	<b>3.8</b>	1	7/23/2004	7/24/2004	
<b>Copper</b>	EPA 6010B	4G23084	2.0	<b>28</b>	1	7/23/2004	7/24/2004	
<b>Lead</b>	EPA 6010B	4G23084	2.0	<b>270</b>	1	7/23/2004	7/24/2004	
<b>Mercury</b>	EPA 7471A	4G27063	0.020	<b>0.15</b>	1	7/27/2004	7/27/2004	
<b>Molybdenum</b>	EPA 6010B	4G23084	2.0	<b>2.8</b>	1	7/23/2004	7/24/2004	
<b>Nickel</b>	EPA 6010B	4G23084	2.0	<b>34</b>	1	7/23/2004	7/24/2004	
Selenium	EPA 6010B	4G23084	2.0	ND	1	7/23/2004	7/24/2004	
Silver	EPA 6010B	4G23084	1.0	ND	1	7/23/2004	7/24/2004	
Thallium	EPA 6010B	4G23084	10	ND	1	7/23/2004	7/24/2004	
<b>Vanadium</b>	EPA 6010B	4G23084	1.0	<b>24</b>	1	7/23/2004	7/24/2004	
<b>Zinc</b>	EPA 6010B	4G23084	5.0	<b>200</b>	1	7/23/2004	7/24/2004	

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Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: ING1250-09 (PNL-L4B-1 - Soil)</b>								
<b>Reporting Units: mg/kg</b>								
Antimony	EPA 6010B	4G26077	10	ND	1	7/26/2004	7/26/2004	
Arsenic	EPA 6010B	4G26077	2.0	<b>9.7</b>	1	7/26/2004	7/26/2004	
Barium	EPA 6010B	4G26077	1.0	<b>780</b>	1	7/26/2004	7/26/2004	
Beryllium	EPA 6010B	4G26077	0.50	ND	1	7/26/2004	7/26/2004	
Cadmium	EPA 6010B	4G26077	0.50	<b>0.62</b>	1	7/26/2004	7/26/2004	
Chromium	EPA 6010B	4G26077	1.0	<b>24</b>	1	7/26/2004	7/26/2004	
Cobalt	EPA 6010B	4G26077	1.0	<b>5.4</b>	1	7/26/2004	7/26/2004	
Copper	EPA 6010B	4G26077	2.0	<b>25</b>	1	7/26/2004	7/26/2004	
Lead	EPA 6010B	4G26077	2.0	<b>29</b>	1	7/26/2004	7/26/2004	
Mercury	EPA 7471A	4G27063	0.020	<b>0.12</b>	1	7/27/2004	7/27/2004	
Molybdenum	EPA 6010B	4G26077	2.0	<b>2.8</b>	1	7/26/2004	7/26/2004	
Nickel	EPA 6010B	4G26077	2.0	<b>27</b>	1	7/26/2004	7/26/2004	
Selenium	EPA 6010B	4G26077	2.0	ND	1	7/26/2004	7/26/2004	
Silver	EPA 6010B	4G26077	1.0	ND	1	7/26/2004	7/26/2004	
Thallium	EPA 6010B	4G26077	10	ND	1	7/26/2004	7/26/2004	
Vanadium	EPA 6010B	4G26077	1.0	<b>31</b>	1	7/26/2004	7/26/2004	
Zinc	EPA 6010B	4G26077	5.0	<b>110</b>	1	7/26/2004	7/26/2004	

### Sample ID: ING1250-10 (PNL-L5A-1 - Soil)

Reporting Units: mg/kg

Antimony	EPA 6010B	4G26077	10	ND	1	7/26/2004	7/26/2004	
Arsenic	EPA 6010B	4G26077	2.0	<b>11</b>	1	7/26/2004	7/26/2004	
Barium	EPA 6010B	4G26077	1.0	<b>330</b>	1	7/26/2004	7/26/2004	
Beryllium	EPA 6010B	4G26077	0.50	ND	1	7/26/2004	7/26/2004	
Cadmium	EPA 6010B	4G26077	0.50	<b>0.68</b>	1	7/26/2004	7/26/2004	
Chromium	EPA 6010B	4G26077	1.0	<b>23</b>	1	7/26/2004	7/26/2004	
Cobalt	EPA 6010B	4G26077	1.0	<b>5.2</b>	1	7/26/2004	7/26/2004	
Copper	EPA 6010B	4G26077	2.0	<b>27</b>	1	7/26/2004	7/26/2004	
Lead	EPA 6010B	4G26077	2.0	<b>53</b>	1	7/26/2004	7/26/2004	
Mercury	EPA 7471A	4G27063	0.020	<b>0.075</b>	1	7/27/2004	7/27/2004	
Molybdenum	EPA 6010B	4G26077	2.0	ND	1	7/26/2004	7/26/2004	
Nickel	EPA 6010B	4G26077	2.0	<b>34</b>	1	7/26/2004	7/26/2004	
Selenium	EPA 6010B	4G26077	2.0	ND	1	7/26/2004	7/26/2004	
Silver	EPA 6010B	4G26077	1.0	ND	1	7/26/2004	7/26/2004	
Thallium	EPA 6010B	4G26077	10	ND	1	7/26/2004	7/26/2004	
Vanadium	EPA 6010B	4G26077	1.0	<b>30</b>	1	7/26/2004	7/26/2004	
Zinc	EPA 6010B	4G26077	5.0	<b>160</b>	1	7/26/2004	7/26/2004	

**Del Mar Analytical, Irvine**  
 Kathleen A. Robb  
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 Attention: Mike Reardon

Project ID: SB0202/31

Report Number: ING1250

Sampled: 07/22/04  
 Received: 07/22/04

## METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: ING1250-11 (PNL-L5B-1 - Soil)</b>								
<b>Reporting Units: mg/kg</b>								
Antimony	EPA 6010B	4G26077	10	ND	1	7/26/2004	7/26/2004	
<b>Arsenic</b>	EPA 6010B	4G26077	2.0	<b>58</b>	1	7/26/2004	7/26/2004	
<b>Barium</b>	EPA 6010B	4G26077	1.0	<b>1700</b>	1	7/26/2004	7/26/2004	
Beryllium	EPA 6010B	4G26077	0.50	ND	1	7/26/2004	7/26/2004	
<b>Cadmium</b>	EPA 6010B	4G26077	0.50	<b>0.90</b>	1	7/26/2004	7/26/2004	
<b>Chromium</b>	EPA 6010B	4G26077	1.0	<b>46</b>	1	7/26/2004	7/26/2004	
<b>Cobalt</b>	EPA 6010B	4G26077	1.0	<b>3.6</b>	1	7/26/2004	7/26/2004	
<b>Copper</b>	EPA 6010B	4G26077	2.0	<b>26</b>	1	7/26/2004	7/26/2004	
<b>Lead</b>	EPA 6010B	4G26077	2.0	<b>290</b>	1	7/26/2004	7/26/2004	
<b>Mercury</b>	EPA 7471A	4G27063	0.020	<b>0.33</b>	1	7/27/2004	7/27/2004	
Molybdenum	EPA 6010B	4G26077	2.0	ND	1	7/26/2004	7/26/2004	
<b>Nickel</b>	EPA 6010B	4G26077	2.0	<b>28</b>	1	7/26/2004	7/26/2004	
Selenium	EPA 6010B	4G26077	2.0	ND	1	7/26/2004	7/26/2004	
Silver	EPA 6010B	4G26077	1.0	ND	1	7/26/2004	7/26/2004	
Thallium	EPA 6010B	4G26077	10	ND	1	7/26/2004	7/26/2004	
<b>Vanadium</b>	EPA 6010B	4G26077	1.0	<b>20</b>	1	7/26/2004	7/26/2004	
<b>Zinc</b>	EPA 6010B	4G26077	5.0	<b>160</b>	1	7/26/2004	7/26/2004	

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## TCLP METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	TCLP Limit	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: ING1250-01 (PNL-L1A-1 - Soil)</b>									
Reporting Units: mg/l									
Arsenic	6010B-TCLP	4G27098	0.20	ND	1	5.0	7/27/2004	7/27/2004	
Barium	6010B-TCLP	4G27098	0.20	ND	1	100.0	7/27/2004	7/27/2004	
Chromium	6010B-TCLP	4G27098	0.10	ND	1	5.0	7/27/2004	7/27/2004	
Lead	6010B-TCLP	4G27098	0.10	ND	1	5.0	7/27/2004	7/27/2004	
<b>Sample ID: ING1250-02 (PNL-L1A-2 - Soil)</b>									
Reporting Units: mg/l									
Arsenic	6010B-TCLP	4G27098	0.20	ND	1	5.0	7/27/2004	7/27/2004	
<b>Barium</b>	6010B-TCLP	4G27098	0.20	<b>4.1</b>	1	100.0	7/27/2004	7/27/2004	
Chromium	6010B-TCLP	4G27098	0.10	ND	1	5.0	7/27/2004	7/27/2004	
<b>Lead</b>	6010B-TCLP	4G27098	0.10	<b>0.60</b>	1	5.0	7/27/2004	7/27/2004	
<b>Sample ID: ING1250-03 (PNL-L1B-1 - Soil)</b>									
Reporting Units: mg/l									
Arsenic	6010B-TCLP	4G27098	0.20	ND	1	5.0	7/27/2004	7/27/2004	
Barium	6010B-TCLP	4G27098	0.20	ND	1	100.0	7/27/2004	7/27/2004	
Chromium	6010B-TCLP	4G27098	0.10	ND	1	5.0	7/27/2004	7/27/2004	
Lead	6010B-TCLP	4G27098	0.10	ND	1	5.0	7/27/2004	7/27/2004	
<b>Sample ID: ING1250-04 (PNL-L2A-1 - Soil)</b>									
Reporting Units: mg/l									
Arsenic	6010B-TCLP	4G27098	0.20	ND	1	5.0	7/27/2004	7/27/2004	
<b>Barium</b>	6010B-TCLP	4G27098	0.20	<b>0.33</b>	1	100.0	7/27/2004	7/27/2004	
Chromium	6010B-TCLP	4G27098	0.10	ND	1	5.0	7/27/2004	7/27/2004	
Lead	6010B-TCLP	4G27098	0.10	ND	1	5.0	7/27/2004	7/27/2004	
<b>Sample ID: ING1250-05 (PNL-L2B-1 - Soil)</b>									
Reporting Units: mg/l									
<b>Arsenic</b>	6010B-TCLP	4G27098	0.20	<b>0.22</b>	1	5.0	7/27/2004	7/27/2004	
<b>Barium</b>	6010B-TCLP	4G27098	0.20	<b>2.0</b>	1	100.0	7/27/2004	7/27/2004	
Chromium	6010B-TCLP	4G27098	0.10	ND	1	5.0	7/27/2004	7/27/2004	
<b>Lead</b>	6010B-TCLP	4G27098	0.10	<b>0.57</b>	1	5.0	7/27/2004	7/27/2004	
<b>Sample ID: ING1250-06 (PNL-L3A-1 - Soil)</b>									
Reporting Units: mg/l									
<b>Arsenic</b>	6010B-TCLP	4G27098	0.20	<b>0.37</b>	1	5.0	7/27/2004	7/27/2004	
<b>Barium</b>	6010B-TCLP	4G27098	0.20	<b>2.6</b>	1	100.0	7/27/2004	7/27/2004	
Chromium	6010B-TCLP	4G27098	0.10	ND	1	5.0	7/27/2004	7/27/2004	
Lead	6010B-TCLP	4G27098	0.10	ND	1	5.0	7/27/2004	7/27/2004	

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### TCLP METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	TCLP Limit	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: ING1250-07 (PNL-L3B-1 - Soil)</b>									
Reporting Units: mg/l									
Arsenic	6010B-TCLP	4G27098	0.20	0.22	1	5.0	7/27/2004	7/28/2004	
Barium	6010B-TCLP	4G27098	0.20	2.8	1	100.0	7/27/2004	7/28/2004	
Chromium	6010B-TCLP	4G27098	0.10	ND	1	5.0	7/27/2004	7/28/2004	
Lead	6010B-TCLP	4G27098	0.10	ND	1	5.0	7/27/2004	7/28/2004	
<b>Sample ID: ING1250-08 (PNL-L4A-1 - Soil)</b>									
Reporting Units: mg/l									
Arsenic	6010B-TCLP	4G27098	0.20	ND	1	5.0	7/27/2004	7/28/2004	
Barium	6010B-TCLP	4G27098	0.20	1.5	1	100.0	7/27/2004	7/28/2004	
Chromium	6010B-TCLP	4G27098	0.10	ND	1	5.0	7/27/2004	7/28/2004	
Lead	6010B-TCLP	4G27098	0.10	ND	1	5.0	7/27/2004	7/28/2004	
<b>Sample ID: ING1250-09 (PNL-L4B-1 - Soil)</b>									
Reporting Units: mg/l									
Arsenic	6010B-TCLP	4G27098	0.20	ND	1	5.0	7/27/2004	7/28/2004	
Barium	6010B-TCLP	4G27098	0.20	3.9	1	100.0	7/27/2004	7/28/2004	
Chromium	6010B-TCLP	4G27098	0.10	ND	1	5.0	7/27/2004	7/28/2004	
Lead	6010B-TCLP	4G27098	0.10	ND	1	5.0	7/27/2004	7/28/2004	
<b>Sample ID: ING1250-10 (PNL-L5A-1 - Soil)</b>									
Reporting Units: mg/l									
Arsenic	6010B-TCLP	4G27098	0.20	ND	1	5.0	7/27/2004	7/28/2004	
Barium	6010B-TCLP	4G27098	0.20	1.9	1	100.0	7/27/2004	7/28/2004	
Chromium	6010B-TCLP	4G27098	0.10	ND	1	5.0	7/27/2004	7/28/2004	
Lead	6010B-TCLP	4G27098	0.10	ND	1	5.0	7/27/2004	7/28/2004	
<b>Sample ID: ING1250-11 (PNL-L5B-1 - Soil)</b>									
Reporting Units: mg/l									
Arsenic	6010B-TCLP	4G27098	0.20	0.62	1	5.0	7/27/2004	7/28/2004	
Barium	6010B-TCLP	4G27098	0.20	1.4	1	100.0	7/27/2004	7/28/2004	
Chromium	6010B-TCLP	4G27098	0.10	ND	1	5.0	7/27/2004	7/28/2004	
Lead	6010B-TCLP	4G27098	0.10	ND	1	5.0	7/27/2004	7/28/2004	

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### STLC METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	STLC Limit	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: ING1250-01 (PNL-L1A-1 - Soil)</b>									
Reporting Units: mg/l									
Arsenic	6010B-STLC	4G27070	0.10	<b>0.11</b>	1	5.0	7/27/2004	7/27/2004	
Barium	6010B-STLC	4G27070	0.20	<b>4.7</b>	1	100	7/27/2004	7/27/2004	
Chromium	6010B-STLC	4G27070	0.10	ND	1	5.0	7/27/2004	7/27/2004	
Lead	6010B-STLC	4G27070	0.10	<b>0.21</b>	1	5.0	7/27/2004	7/27/2004	
<b>Sample ID: ING1250-02 (PNL-L1A-2 - Soil)</b>									
Reporting Units: mg/l									
Arsenic	6010B-STLC	4G27070	0.10	<b>1.2</b>	1	5.0	7/27/2004	7/27/2004	
Barium	6010B-STLC	4G27070	0.20	<b>28</b>	1	100	7/27/2004	7/27/2004	
Chromium	6010B-STLC	4G27070	0.10	<b>4.3</b>	1	5.0	7/27/2004	7/27/2004	
Lead	6010B-STLC	4G27070	0.10	<b>17</b>	1	5.0	7/27/2004	7/27/2004	
<b>Sample ID: ING1250-03 (PNL-L1B-1 - Soil)</b>									
Reporting Units: mg/l									
Arsenic	6010B-STLC	4G27070	0.10	ND	1	5.0	7/27/2004	7/27/2004	
Barium	6010B-STLC	4G27070	0.20	<b>2.9</b>	1	100	7/27/2004	7/27/2004	
Chromium	6010B-STLC	4G27070	0.10	ND	1	5.0	7/27/2004	7/27/2004	
Lead	6010B-STLC	4G27070	0.10	<b>0.16</b>	1	5.0	7/27/2004	7/27/2004	
<b>Sample ID: ING1250-04 (PNL-L2A-1 - Soil)</b>									
Reporting Units: mg/l									
Arsenic	6010B-STLC	4G27070	0.10	<b>0.10</b>	1	5.0	7/27/2004	7/27/2004	
Barium	6010B-STLC	4G27070	0.20	<b>5.1</b>	1	100	7/27/2004	7/27/2004	
Chromium	6010B-STLC	4G27070	0.10	<b>0.11</b>	1	5.0	7/27/2004	7/27/2004	
Lead	6010B-STLC	4G27070	0.10	<b>0.22</b>	1	5.0	7/27/2004	7/27/2004	
<b>Sample ID: ING1250-05 (PNL-L2B-1 - Soil)</b>									
Reporting Units: mg/l									
Arsenic	6010B-STLC	4G27070	0.10	<b>0.85</b>	1	5.0	7/27/2004	7/27/2004	
Barium	6010B-STLC	4G27070	0.20	<b>26</b>	1	100	7/27/2004	7/27/2004	
Chromium	6010B-STLC	4G27070	0.10	<b>5.4</b>	1	5.0	7/27/2004	7/27/2004	
Lead	6010B-STLC	4G27070	0.10	<b>0.75</b>	1	5.0	7/27/2004	7/27/2004	
<b>Sample ID: ING1250-06 (PNL-L3A-1 - Soil)</b>									
Reporting Units: mg/l									
Arsenic	6010B-STLC	4G27070	0.10	<b>0.90</b>	1	5.0	7/27/2004	7/27/2004	
Barium	6010B-STLC	4G27070	0.20	<b>25</b>	1	100	7/27/2004	7/27/2004	
Chromium	6010B-STLC	4G27070	0.10	<b>3.2</b>	1	5.0	7/27/2004	7/27/2004	
Lead	6010B-STLC	4G27070	0.10	<b>0.24</b>	1	5.0	7/27/2004	7/27/2004	

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### STLC METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	STLC Limit	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: ING1250-07 (PNL-L3B-1 - Soil)</b>									
Reporting Units: mg/l									
Arsenic	6010B-STLC	4G27070	0.10	2.5	1	5.0	7/27/2004	7/27/2004	
Barium	6010B-STLC	4G27070	0.20	20	1	100	7/27/2004	7/27/2004	
Chromium	6010B-STLC	4G27070	0.10	5.2	1	5.0	7/27/2004	7/27/2004	
Lead	6010B-STLC	4G27070	0.10	2.6	1	5.0	7/27/2004	7/27/2004	
<b>Sample ID: ING1250-08 (PNL-L4A-1 - Soil)</b>									
Reporting Units: mg/l									
Arsenic	6010B-STLC	4G27070	0.10	1.1	1	5.0	7/27/2004	7/27/2004	
Barium	6010B-STLC	4G27070	0.20	11	1	100	7/27/2004	7/27/2004	
Chromium	6010B-STLC	4G27070	0.10	6.1	1	5.0	7/27/2004	7/27/2004	
Lead	6010B-STLC	4G27070	0.10	0.19	1	5.0	7/27/2004	7/27/2004	
<b>Sample ID: ING1250-09 (PNL-L4B-1 - Soil)</b>									
Reporting Units: mg/l									
Arsenic	6010B-STLC	4G27070	0.10	0.40	1	5.0	7/27/2004	7/27/2004	
Barium	6010B-STLC	4G27070	0.20	17	1	100	7/27/2004	7/27/2004	
Chromium	6010B-STLC	4G27070	0.10	0.35	1	5.0	7/27/2004	7/27/2004	
Lead	6010B-STLC	4G27070	0.10	0.74	1	5.0	7/27/2004	7/27/2004	
<b>Sample ID: ING1250-10 (PNL-L5A-1 - Soil)</b>									
Reporting Units: mg/l									
Arsenic	6010B-STLC	4G27070	0.10	1.1	1	5.0	7/27/2004	7/27/2004	
Barium	6010B-STLC	4G27070	0.20	18	1	100	7/27/2004	7/27/2004	
Chromium	6010B-STLC	4G27070	0.10	1.4	1	5.0	7/27/2004	7/27/2004	
Lead	6010B-STLC	4G27070	0.10	2.2	1	5.0	7/27/2004	7/27/2004	
<b>Sample ID: ING1250-11 (PNL-L5B-1 - Soil)</b>									
Reporting Units: mg/l									
Arsenic	6010B-STLC	4G27070	0.10	0.99	1	5.0	7/27/2004	7/27/2004	
Barium	6010B-STLC	4G27070	0.20	7.7	1	100	7/27/2004	7/27/2004	
Chromium	6010B-STLC	4G27070	0.10	1.6	1	5.0	7/27/2004	7/27/2004	
Lead	6010B-STLC	4G27070	0.10	ND	1	5.0	7/27/2004	7/27/2004	

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## WASTE EXTRACTION TEST (STLC) - Metals/Inorganics

Analyte	Method	Batch	Extraction Start Date	Extraction End Date	Data Qualifiers
<b>Sample ID: ING1250-01 (PNL-L1A-1 - Soil)</b> Extraction	STLC-Met	4G24045	7/24/2004	7/26/2004	
<b>Sample ID: ING1250-02 (PNL-L1A-2 - Soil)</b> Extraction	STLC-Met	4G24045	7/24/2004	7/26/2004	
<b>Sample ID: ING1250-03 (PNL-L1B-1 - Soil)</b> Extraction	STLC-Met	4G24045	7/24/2004	7/26/2004	
<b>Sample ID: ING1250-04 (PNL-L2A-1 - Soil)</b> Extraction	STLC-Met	4G24045	7/24/2004	7/26/2004	
<b>Sample ID: ING1250-05 (PNL-L2B-1 - Soil)</b> Extraction	STLC-Met	4G24045	7/24/2004	7/26/2004	
<b>Sample ID: ING1250-06 (PNL-L3A-1 - Soil)</b> Extraction	STLC-Met	4G24045	7/24/2004	7/26/2004	
<b>Sample ID: ING1250-07 (PNL-L3B-1 - Soil)</b> Extraction	STLC-Met	4G24045	7/24/2004	7/26/2004	
<b>Sample ID: ING1250-08 (PNL-L4A-1 - Soil)</b> Extraction	STLC-Met	4G24045	7/24/2004	7/26/2004	

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### WASTE EXTRACTION TEST (STLC) - Metals/Inorganics

Analyte	Method	Batch	Extraction Start Date	Extraction End Date	Data Qualifiers
<b>Sample ID: ING1250-09 (PNL-L4B-1 - Soil)</b>					
Extraction	STLC-Met	4G24045	7/24/2004	7/26/2004	
<b>Sample ID: ING1250-10 (PNL-L5A-1 - Soil)</b>					
Extraction	STLC-Met	4G24045	7/24/2004	7/26/2004	
<b>Sample ID: ING1250-11 (PNL-L5B-1 - Soil)</b>					
Extraction	STLC-Met	4G24045	7/24/2004	7/26/2004	

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### TCLP EXTRACTION - Metals

Analyte	Method	Batch	Extraction Start Date	Extraction End Date	Data Qualifiers
<b>Sample ID: ING1250-01 (PNL-L1A-1 - Soil)</b>					
Extraction	EPA 1311-Met	4G26102	7/26/2004	7/27/2004	T6
<b>Sample ID: ING1250-02 (PNL-L1A-2 - Soil)</b>					
Extraction	EPA 1311-Met	4G26102	7/26/2004	7/27/2004	T6
<b>Sample ID: ING1250-03 (PNL-L1B-1 - Soil)</b>					
Extraction	EPA 1311-Met	4G26102	7/26/2004	7/27/2004	T6
<b>Sample ID: ING1250-04 (PNL-L2A-1 - Soil)</b>					
Extraction	EPA 1311-Met	4G26102	7/26/2004	7/27/2004	T6
<b>Sample ID: ING1250-05 (PNL-L2B-1 - Soil)</b>					
Extraction	EPA 1311-Met	4G26102	7/26/2004	7/27/2004	T6
<b>Sample ID: ING1250-06 (PNL-L3A-1 - Soil)</b>					
Extraction	EPA 1311-Met	4G26102	7/26/2004	7/27/2004	T6
<b>Sample ID: ING1250-07 (PNL-L3B-1 - Soil)</b>					
Extraction	EPA 1311-Met	4G26102	7/26/2004	7/27/2004	T6
<b>Sample ID: ING1250-08 (PNL-L4A-1 - Soil)</b>					
Extraction	EPA 1311-Met	4G26102	7/26/2004	7/27/2004	T6

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Project ID: SB0202/31

Report Number: ING1250

Sampled: 07/22/04  
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### TCLP EXTRACTION - Metals

Analyte	Method	Batch	Extraction Start Date	Extraction End Date	Data Qualifiers
<b>Sample ID: ING1250-09 (PNL-L4B-1 - Soil)</b>					
Extraction	EPA 1311-Met	4G26102	7/26/2004	7/27/2004	T6
<b>Sample ID: ING1250-10 (PNL-L5A-1 - Soil)</b>					
Extraction	EPA 1311-Met	4G26102	7/26/2004	7/27/2004	T6
<b>Sample ID: ING1250-11 (PNL-L5B-1 - Soil)</b>					
Extraction	EPA 1311-Met	4G26102	7/26/2004	7/27/2004	T6

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## METHOD BLANK/QC DATA

### METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G23084 Extracted: 07/23/04</b>										
<b>Blank Analyzed: 07/23/04 (4G23084-BLK1)</b>										
Antimony	ND	10	mg/kg							
Arsenic	ND	2.0	mg/kg							
Barium	ND	1.0	mg/kg							
Beryllium	ND	0.50	mg/kg							
Cadmium	ND	0.50	mg/kg							
Chromium	ND	1.0	mg/kg							
Cobalt	ND	1.0	mg/kg							
Copper	ND	2.0	mg/kg							
Lead	ND	2.0	mg/kg							
Molybdenum	ND	2.0	mg/kg							
Nickel	ND	2.0	mg/kg							
Selenium	ND	2.0	mg/kg							
Silver	ND	1.0	mg/kg							
Thallium	ND	10	mg/kg							
Vanadium	ND	1.0	mg/kg							
Zinc	ND	5.0	mg/kg							
<b>LCS Analyzed: 07/23/04 (4G23084-BS1)</b>										
Antimony	47.7	10	mg/kg	50.0		95	80-120			
Arsenic	46.8	2.0	mg/kg	50.0		94	80-120			
Barium	45.9	1.0	mg/kg	50.0		92	80-120			
Beryllium	46.7	0.50	mg/kg	50.0		93	80-120			
Cadmium	46.6	0.50	mg/kg	50.0		93	80-120			
Chromium	47.0	1.0	mg/kg	50.0		94	80-120			
Cobalt	45.4	1.0	mg/kg	50.0		91	80-120			
Copper	44.8	2.0	mg/kg	50.0		90	80-120			
Lead	47.8	2.0	mg/kg	50.0		96	80-120			
Molybdenum	45.3	2.0	mg/kg	50.0		91	80-120			
Nickel	46.1	2.0	mg/kg	50.0		92	80-120			
Selenium	45.4	2.0	mg/kg	50.0		91	80-120			
Silver	22.7	1.0	mg/kg	25.0		91	80-120			
Thallium	44.0	10	mg/kg	50.0		88	80-120			
Vanadium	46.0	1.0	mg/kg	50.0		92	80-120			
Zinc	45.6	5.0	mg/kg	50.0		91	80-120			

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## METHOD BLANK/QC DATA

### METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G23084 Extracted: 07/23/04</b>										
<b>Matrix Spike Analyzed: 07/23/04 (4G23084-MS1)</b>					<b>Source: ING1090-01</b>					
Antimony	17.5	10	mg/kg	50.0	ND	35	75-125			M2
Arsenic	48.1	2.0	mg/kg	50.0	5.0	86	75-125			
Barium	171	1.0	mg/kg	50.0	140	62	75-125			M2
Beryllium	43.7	0.50	mg/kg	50.0	0.31	87	75-125			
Cadmium	42.6	0.50	mg/kg	50.0	0.49	84	75-125			
Chromium	81.5	1.0	mg/kg	50.0	39	85	75-125			
Cobalt	47.6	1.0	mg/kg	50.0	12	71	75-125			M2
Copper	70.1	2.0	mg/kg	50.0	27	86	75-125			
Lead	49.8	2.0	mg/kg	50.0	8.4	83	75-125			
Molybdenum	39.0	2.0	mg/kg	50.0	0.15	78	75-125			
Nickel	81.9	2.0	mg/kg	50.0	41	82	75-125			
Selenium	42.2	2.0	mg/kg	50.0	ND	84	75-125			
Silver	21.7	1.0	mg/kg	25.0	ND	87	75-125			
Thallium	41.6	10	mg/kg	50.0	1.1	81	75-125			
Vanadium	74.1	1.0	mg/kg	50.0	32	84	75-125			
Zinc	102	5.0	mg/kg	50.0	64	76	75-125			

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Matrix Spike Dup Analyzed: 07/23/04 (4G23084-MSD1)</b>					<b>Source: ING1090-01</b>					
Antimony	16.1	10	mg/kg	50.0	ND	32	75-125	8	20	M2
Arsenic	50.6	2.0	mg/kg	50.0	5.0	91	75-125	5	20	
Barium	183	1.0	mg/kg	50.0	140	86	75-125	7	20	
Beryllium	46.1	0.50	mg/kg	50.0	0.31	92	75-125	5	20	
Cadmium	44.8	0.50	mg/kg	50.0	0.49	89	75-125	5	20	
Chromium	89.2	1.0	mg/kg	50.0	39	100	75-125	9	20	
Cobalt	50.2	1.0	mg/kg	50.0	12	76	75-125	5	20	
Copper	73.6	2.0	mg/kg	50.0	27	93	75-125	5	20	
Lead	52.6	2.0	mg/kg	50.0	8.4	88	75-125	5	20	
Molybdenum	41.1	2.0	mg/kg	50.0	0.15	82	75-125	5	20	
Nickel	87.6	2.0	mg/kg	50.0	41	93	75-125	7	20	
Selenium	44.4	2.0	mg/kg	50.0	ND	89	75-125	5	20	
Silver	23.0	1.0	mg/kg	25.0	ND	92	75-125	6	20	
Thallium	44.2	10	mg/kg	50.0	1.1	86	75-125	6	20	
Vanadium	81.8	1.0	mg/kg	50.0	32	100	75-125	10	20	
Zinc	110	5.0	mg/kg	50.0	64	92	75-125	8	20	

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## METHOD BLANK/QC DATA

### METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G26077 Extracted: 07/26/04</b>										
<b>Blank Analyzed: 07/26/04 (4G26077-BLK1)</b>										
Antimony	ND	10	mg/kg							
Arsenic	ND	2.0	mg/kg							
Barium	ND	1.0	mg/kg							
Beryllium	ND	0.50	mg/kg							
Cadmium	ND	0.50	mg/kg							
Chromium	ND	1.0	mg/kg							
Cobalt	ND	1.0	mg/kg							
Copper	ND	2.0	mg/kg							
Lead	ND	2.0	mg/kg							
Molybdenum	ND	2.0	mg/kg							
Nickel	ND	2.0	mg/kg							
Selenium	ND	2.0	mg/kg							
Silver	ND	1.0	mg/kg							
Thallium	ND	10	mg/kg							
Vanadium	ND	1.0	mg/kg							
Zinc	ND	5.0	mg/kg							
<b>LCS Analyzed: 07/26/04 (4G26077-BS1)</b>										
Antimony	46.1	10	mg/kg	50.0		92	80-120			
Arsenic	44.9	2.0	mg/kg	50.0		90	80-120			
Barium	45.2	1.0	mg/kg	50.0		90	80-120			
Beryllium	44.4	0.50	mg/kg	50.0		89	80-120			
Cadmium	43.7	0.50	mg/kg	50.0		87	80-120			
Chromium	45.8	1.0	mg/kg	50.0		92	80-120			
Cobalt	42.8	1.0	mg/kg	50.0		86	80-120			
Copper	44.1	2.0	mg/kg	50.0		88	80-120			
Lead	44.2	2.0	mg/kg	50.0		88	80-120			
Molybdenum	44.4	2.0	mg/kg	50.0		89	80-120			
Nickel	44.6	2.0	mg/kg	50.0		89	80-120			
Selenium	45.4	2.0	mg/kg	50.0		91	80-120			
Silver	22.7	1.0	mg/kg	25.0		91	80-120			
Thallium	42.7	10	mg/kg	50.0		85	80-120			
Vanadium	44.7	1.0	mg/kg	50.0		89	80-120			
Zinc	44.2	5.0	mg/kg	50.0		88	80-120			

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## METHOD BLANK/QC DATA

### METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G26077 Extracted: 07/26/04</b>										
<b>Matrix Spike Analyzed: 07/26/04 (4G26077-MS1)</b>					<b>Source: ING1399-05</b>					
Antimony	29.6	10	mg/kg	50.0	ND	59	75-125			M2
Arsenic	48.6	2.0	mg/kg	50.0	2.9	91	75-125			
Barium	99.8	1.0	mg/kg	50.0	54	92	75-125			
Beryllium	46.1	0.50	mg/kg	50.0	0.54	91	75-125			
Cadmium	44.8	0.50	mg/kg	50.0	0.24	89	75-125			
Chromium	61.2	1.0	mg/kg	50.0	15	92	75-125			
Cobalt	49.1	1.0	mg/kg	50.0	5.7	87	75-125			
Copper	61.6	2.0	mg/kg	50.0	13	97	75-125			
Lead	60.2	2.0	mg/kg	50.0	14	92	75-125			
Molybdenum	44.4	2.0	mg/kg	50.0	ND	89	75-125			
Nickel	53.9	2.0	mg/kg	50.0	7.9	92	75-125			
Selenium	45.5	2.0	mg/kg	50.0	ND	91	75-125			
Silver	23.7	1.0	mg/kg	25.0	ND	95	75-125			
Thallium	44.7	10	mg/kg	50.0	0.39	89	75-125			
Vanadium	79.1	1.0	mg/kg	50.0	36	86	75-125			
Zinc	88.0	5.0	mg/kg	50.0	43	90	75-125			
<b>Matrix Spike Dup Analyzed: 07/26/04 (4G26077-MSD1)</b>					<b>Source: ING1399-05</b>					
Antimony	26.8	20	mg/kg	50.0	ND	54	75-125	10	20	M2
Arsenic	48.1	4.0	mg/kg	50.0	2.9	90	75-125	1	20	
Barium	100	2.0	mg/kg	50.0	54	92	75-125	0	20	
Beryllium	45.1	1.0	mg/kg	50.0	0.54	89	75-125	2	20	
Cadmium	44.1	1.0	mg/kg	50.0	0.24	88	75-125	2	20	
Chromium	60.6	2.0	mg/kg	50.0	15	91	75-125	1	20	
Cobalt	49.5	2.0	mg/kg	50.0	5.7	88	75-125	1	20	
Copper	59.0	4.0	mg/kg	50.0	13	92	75-125	4	20	
Lead	59.2	4.0	mg/kg	50.0	14	90	75-125	2	20	
Molybdenum	43.9	4.0	mg/kg	50.0	ND	88	75-125	1	20	
Nickel	52.9	4.0	mg/kg	50.0	7.9	90	75-125	2	20	
Selenium	45.7	4.0	mg/kg	50.0	ND	91	75-125	0	20	
Silver	22.7	2.0	mg/kg	25.0	ND	91	75-125	4	20	
Thallium	43.3	20	mg/kg	50.0	0.39	86	75-125	3	20	
Vanadium	79.6	2.0	mg/kg	50.0	36	87	75-125	1	20	
Zinc	86.2	10	mg/kg	50.0	43	86	75-125	2	20	

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## METHOD BLANK/QC DATA

### METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G27063 Extracted: 07/27/04</b>										
<b>Blank Analyzed: 07/27/04 (4G27063-BLK1)</b>										
Mercury	ND	0.020	mg/kg							
<b>LCS Analyzed: 07/27/04 (4G27063-BS1)</b>										
Mercury	0.826	0.020	mg/kg	0.800		103	85-120			
<b>Matrix Spike Analyzed: 07/27/04 (4G27063-MS1)</b>										
					<b>Source: ING0756-09</b>					
Mercury	0.836	0.020	mg/kg	0.800	0.041	99	65-135			
<b>Matrix Spike Dup Analyzed: 07/27/04 (4G27063-MSD1)</b>										
					<b>Source: ING0756-09</b>					
Mercury	0.839	0.020	mg/kg	0.800	0.041	100	65-135	0	20	

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## METHOD BLANK/QC DATA

### TCLP METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G27098 Extracted: 07/27/04</b>										
<b>Blank Analyzed: 07/27/04 (4G27098-BLK1)</b>										
Arsenic	ND	0.20	mg/l							
Barium	ND	0.20	mg/l							
Chromium	ND	0.10	mg/l							
Lead	ND	0.10	mg/l							
<b>LCS Analyzed: 07/27/04 (4G27098-BS1)</b>										
Arsenic	2.00	0.20	mg/l	2.00		100	80-120			
Barium	1.99	0.20	mg/l	2.00		100	80-120			
Chromium	1.98	0.10	mg/l	2.00		99	80-120			
Lead	2.05	0.10	mg/l	2.00		102	80-120			
<b>Matrix Spike Analyzed: 07/27/04 (4G27098-MS1)</b>										
					<b>Source: ING1093-01</b>					
Arsenic	1.94	0.20	mg/l	2.00	ND	97	75-125			
Barium	3.25	0.20	mg/l	2.00	1.3	98	75-125			
Chromium	5.24	0.10	mg/l	2.00	3.4	92	75-125			
Lead	55.6	0.10	mg/l	2.00	55	30	75-125			M-HA

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## METHOD BLANK/QC DATA

### STLC METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<b>Batch: 4G27070 Extracted: 07/27/04</b>										
<b>Blank Analyzed: 07/27/04 (4G27070-BLK1)</b>										
Arsenic	ND	0.10	mg/l							
Barium	ND	0.20	mg/l							
Chromium	ND	0.10	mg/l							
Lead	ND	0.10	mg/l							
<b>LCS Analyzed: 07/27/04 (4G27070-BS1)</b>										
Arsenic	19.5	0.10	mg/l	20.0		98	80-120			
Barium	19.0	0.20	mg/l	20.0		95	80-120			
Chromium	19.6	0.10	mg/l	20.0		98	80-120			
Lead	19.3	0.10	mg/l	20.0		96	80-120			
<b>Matrix Spike Analyzed: 07/27/04 (4G27070-MS1) Source: ING1250-01</b>										
Arsenic	20.2	0.10	mg/l	20.0	0.11	100	75-125			
Barium	24.4	0.20	mg/l	20.0	4.7	98	75-125			
Chromium	19.9	0.10	mg/l	20.0	0.088	99	75-125			
Lead	20.0	0.10	mg/l	20.0	0.21	99	75-125			
<b>Matrix Spike Dup Analyzed: 07/27/04 (4G27070-MSD1) Source: ING1250-01</b>										
Arsenic	20.4	0.10	mg/l	20.0	0.11	101	75-125	1	20	
Barium	24.4	0.20	mg/l	20.0	4.7	98	75-125	0	20	
Chromium	20.2	0.10	mg/l	20.0	0.088	101	75-125	1	20	
Lead	20.0	0.10	mg/l	20.0	0.21	99	75-125	0	20	

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## DATA QUALIFIERS AND DEFINITIONS

- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M-HA** Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
- T6** The temperature during the 18 hour TCLP extraction exceeded the 21-25 degrees C range stated in EPA Method 1311. The temperature range during the extraction was 23C-26C degrees C.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

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## Certification Summary

### Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
6010B-STLC	Soil	X	X
6010B-TCLP	Soil	X	X
EPA 1311-Met	Solid	X	X
EPA 6010B	Soil	X	X
EPA 7471A	Soil	X	X
STLC-Met	Sludge	X	X

*NV and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at [www.dmalabs.com](http://www.dmalabs.com).*

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