



LABORATORY REPORT

Prepared For: The Boeing Company-SSFL  
5800 Woolsey Canyon Road  
Canoga Park, CA 91304-1148  
Attention: Bill McIlvaine

Project: Hydroseeding Project  
TAS#

Sampled: 11/16/05  
Received: 11/17/05  
Issued: 11/21/05 19:24

NELAP #01108CA California 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 of Custody, 1 page, is included and is an integral part of this report.  
This entire report was reviewed and approved for release.*

CASE NARRATIVE

- SAMPLE RECEIPT: Samples were received intact, at 3°C, on ice and with chain of custody documentation.
- HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the Del Mar Analytical Sample Acceptance Policy unless otherwise noted in the report.
- PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
- QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
- COMMENTS: Results that fall between the MDL and RL are 'J' flagged.
- SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report. Results for EPA 1613 Dioxin's are pending.
- ADDITIONAL INFORMATION: Solid samples for total and dissolved EPA 200.7/200.8/245.1 analyses were prepared by leaching 50 grams of the solid sample and leaching it with 2 liters of DI water. The mixture was set aside for 15 minutes and then decanted, filtered (for dissolved metals only), acidified, digested and analyzed.

LABORATORY ID  
IOK1695-01

CLIENT ID  
NAKA HYDROSEED

MATRIX  
Water

Reviewed By:

Del Mar Analytical, Irvine  
Michele Harper  
Project Manager

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## METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: IOK1695-01 (NAKA HYDROSEED - Water)</b>									
Reporting Units: mg/l									
Barium	EPA 200.7	5K18085	0.0060	0.010	<b>0.050</b>	1	11/18/05	11/19/05	
Boron	EPA 200.7	5K18085	0.0080	0.050	<b>0.057</b>	1	11/18/05	11/19/05	
Iron	EPA 200.7	5K18085	0.015	0.040	<b>2.6</b>	1	11/18/05	11/19/05	
<b>Sample ID: IOK1695-01 (NAKA HYDROSEED - Water)</b>									
Reporting Units: ug/l									
Antimony	EPA 200.8	5K18086	0.050	2.0	<b>590</b>	1	11/18/05	11/20/05	
Arsenic	EPA 200.7	5K18085	4.4	5.0	<b>6.8</b>	1	11/18/05	11/19/05	
Beryllium	EPA 200.7	5K18085	0.90	2.0	ND	1	11/18/05	11/19/05	
Cadmium	EPA 200.8	5K18086	0.025	1.0	<b>0.31</b>	1	11/18/05	11/20/05	J
Chromium	EPA 200.7	5K18085	2.0	5.0	<b>4.3</b>	1	11/18/05	11/19/05	J
Cobalt	EPA 200.7	5K18085	2.0	10	<b>2.7</b>	1	11/18/05	11/19/05	J
Copper	EPA 200.8	5K18086	0.25	2.0	<b>9.2</b>	1	11/18/05	11/20/05	
Lead	EPA 200.8	5K18086	0.040	1.0	<b>3.7</b>	1	11/18/05	11/20/05	
Manganese	EPA 200.7	5K18085	7.0	20	<b>280</b>	1	11/18/05	11/19/05	
Mercury	EPA 245.1	5K21076	0.050	0.20	ND	1	11/21/05	11/21/05	
Nickel	EPA 200.7	5K18085	2.0	10	<b>4.1</b>	1	11/18/05	11/19/05	J
Selenium	EPA 200.8	5K18086	0.30	2.0	<b>0.51</b>	1	11/18/05	11/20/05	J
Silver	EPA 200.8	5K18086	0.025	1.0	<b>0.052</b>	1	11/18/05	11/20/05	J
Thallium	EPA 200.8	5K18086	0.15	1.0	ND	1	11/18/05	11/21/05	
Vanadium	EPA 200.7	5K18085	3.0	10	<b>5.7</b>	1	11/18/05	11/19/05	J
Zinc	EPA 200.7	5K18085	15	20	<b>51</b>	1	11/18/05	11/19/05	

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 Project Manager

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## DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
<b>Sample ID: IOK1695-01 (NAKA HYDROSEED - Water) - cont.</b>									
Reporting Units: mg/l									
<b>Barium</b>	EPA 200.7-Diss	5K18087	0.0060	0.010	<b>0.041</b>	1	11/18/05	11/19/05	
<b>Boron</b>	EPA 200.7-Diss	5K18087	0.0080	0.050	<b>0.11</b>	1	11/18/05	11/19/05	
<b>Iron</b>	EPA 200.7-Diss	5K18087	0.015	0.040	<b>0.15</b>	1	11/18/05	11/19/05	
<b>Sample ID: IOK1695-01 (NAKA HYDROSEED - Water)</b>									
Reporting Units: ug/l									
<b>Antimony</b>	EPA 200.8-Diss	5K18099	0.10	4.0	<b>820</b>	2	11/18/05	11/20/05	
Arsenic	EPA 200.7-Diss	5K18087	4.4	5.0	ND	1	11/18/05	11/19/05	
Beryllium	EPA 200.7-Diss	5K18087	0.90	2.0	ND	1	11/18/05	11/19/05	
<b>Cadmium</b>	EPA 200.8-Diss	5K18099	0.025	1.0	<b>0.35</b>	1	11/18/05	11/21/05	J
Chromium	EPA 200.7-Diss	5K18087	2.0	5.0	ND	1	11/18/05	11/19/05	
<b>Cobalt</b>	EPA 200.7-Diss	5K18087	2.0	10	<b>2.5</b>	1	11/18/05	11/19/05	J
<b>Copper</b>	EPA 200.8-Diss	5K18099	0.25	2.0	<b>10</b>	1	11/18/05	11/21/05	B
<b>Lead</b>	EPA 200.8-Diss	5K18099	0.040	1.0	<b>1.2</b>	1	11/18/05	11/21/05	B
<b>Manganese</b>	EPA 200.7-Diss	5K18087	7.0	20	<b>330</b>	1	11/18/05	11/19/05	
Mercury	EPA 245.1-Diss	5K21075	0.050	0.20	ND	1	11/21/05	11/21/05	
<b>Nickel</b>	EPA 200.7-Diss	5K18087	2.0	10	<b>4.8</b>	1	11/18/05	11/19/05	J
<b>Selenium</b>	EPA 200.8-Diss	5K18099	0.30	2.0	<b>0.49</b>	1	11/18/05	11/21/05	J
Silver	EPA 200.8-Diss	5K18099	0.025	1.0	ND	1	11/18/05	11/21/05	
Thallium	EPA 200.8-Diss	5K18099	0.15	1.0	ND	1	11/18/05	11/21/05	
Vanadium	EPA 200.7-Diss	5K18087	3.0	10	ND	1	11/18/05	11/19/05	
<b>Zinc</b>	EPA 200.7-Diss	5K18087	15	20	<b>73</b>	1	11/18/05	11/19/05	

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**METHOD BLANK/QC DATA**
**METALS**

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	Data Qualifiers
<b>Batch: 5K18085 Extracted: 11/18/05</b>										
<b>Blank Analyzed: 11/19/2005 (5K18085-BLK1)</b>										
Arsenic	ND	5.0	4.4	ug/l						
Barium	ND	0.010	0.0060	mg/l						
Beryllium	ND	2.0	0.90	ug/l						
Boron	ND	0.050	0.0080	mg/l						
Chromium	ND	5.0	2.0	ug/l						
Cobalt	ND	10	2.0	ug/l						
Iron	0.0399	0.040	0.015	mg/l						J
Manganese	ND	20	7.0	ug/l						
Nickel	ND	10	2.0	ug/l						
Vanadium	ND	10	3.0	ug/l						
Zinc	ND	20	15	ug/l						

**LCS Analyzed: 11/19/2005 (5K18085-BS1)**

Arsenic	484	5.0	4.4	ug/l	500		97	85-115		
Barium	0.456	0.010	0.0060	mg/l	0.500		91	85-115		
Beryllium	480	2.0	0.90	ug/l	500		96	85-115		
Boron	0.452	0.050	0.0080	mg/l	0.500		90	85-115		
Chromium	478	5.0	2.0	ug/l	500		96	85-115		
Cobalt	473	10	2.0	ug/l	500		95	85-115		
Iron	0.494	0.040	0.015	mg/l	0.500		99	85-115		
Manganese	485	20	7.0	ug/l	500		97	85-115		
Nickel	469	10	2.0	ug/l	500		94	85-115		
Vanadium	476	10	3.0	ug/l	500		95	85-115		
Zinc	458	20	15	ug/l	500		92	85-115		

**Matrix Spike Analyzed: 11/19/2005 (5K18085-MS1)**
**Source: IOK1029-03**

Arsenic	513	5.0	4.4	ug/l	500	ND	103	70-130		
Barium	0.560	0.010	0.0060	mg/l	0.500	0.11	90	70-130		
Beryllium	495	2.0	0.90	ug/l	500	ND	99	70-130		
Boron	0.689	0.050	0.0080	mg/l	0.500	0.19	100	70-130		
Chromium	480	5.0	2.0	ug/l	500	ND	96	70-130		
Cobalt	455	10	2.0	ug/l	500	ND	91	70-130		
Iron	0.489	0.040	0.015	mg/l	0.500	ND	98	70-130		
Manganese	627	20	7.0	ug/l	500	130	99	70-130		
Nickel	455	10	2.0	ug/l	500	2.8	90	70-130		
Vanadium	494	10	3.0	ug/l	500	7.2	97	70-130		

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## METHOD BLANK/QC DATA

### METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 5K18085 Extracted: 11/18/05</b>											
<b>Matrix Spike Analyzed: 11/19/2005 (5K18085-MS1)</b>						<b>Source: IOK1029-03</b>					
Zinc	466	20	15	ug/l	500	ND	93	70-130			
<b>Matrix Spike Analyzed: 11/19/2005 (5K18085-MS2)</b>						<b>Source: IOK1534-01</b>					
Arsenic	519	5.0	4.4	ug/l	500	6.4	103	70-130			
Barium	0.498	0.010	0.0060	mg/l	0.500	0.022	95	70-130			
Beryllium	513	2.0	0.90	ug/l	500	ND	103	70-130			
Boron	0.500	0.050	0.0080	mg/l	0.500	ND	100	70-130			
Chromium	511	5.0	2.0	ug/l	500	10	100	70-130			
Cobalt	495	10	2.0	ug/l	500	ND	99	70-130			
Iron	0.560	0.040	0.015	mg/l	0.500	0.046	103	70-130			
Manganese	559	20	7.0	ug/l	500	50	102	70-130			
Nickel	492	10	2.0	ug/l	500	ND	98	70-130			
Vanadium	534	10	3.0	ug/l	500	29	101	70-130			
Zinc	501	20	15	ug/l	500	ND	100	70-130			
<b>Matrix Spike Dup Analyzed: 11/19/2005 (5K18085-MSD1)</b>						<b>Source: IOK1029-03</b>					
Arsenic	506	5.0	4.4	ug/l	500	ND	101	70-130	1	20	
Barium	0.562	0.010	0.0060	mg/l	0.500	0.11	90	70-130	0	20	
Beryllium	495	2.0	0.90	ug/l	500	ND	99	70-130	0	20	
Boron	0.697	0.050	0.0080	mg/l	0.500	0.19	101	70-130	1	20	
Chromium	475	5.0	2.0	ug/l	500	ND	95	70-130	1	20	
Cobalt	452	10	2.0	ug/l	500	ND	90	70-130	1	20	
Iron	0.486	0.040	0.015	mg/l	0.500	ND	97	70-130	1	20	
Manganese	629	20	7.0	ug/l	500	130	100	70-130	0	20	
Nickel	452	10	2.0	ug/l	500	2.8	90	70-130	1	20	
Vanadium	492	10	3.0	ug/l	500	7.2	97	70-130	0	20	
Zinc	464	20	15	ug/l	500	ND	93	70-130	0	20	

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## METHOD BLANK/QC DATA

### METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Data Qualifiers
<b>Batch: 5K18086 Extracted: 11/18/05</b>											
<b>Blank Analyzed: 11/18/2005-11/20/2005 (5K18086-BLK1)</b>											
Antimony	ND	2.0	0.050	ug/l							
Cadmium	ND	1.0	0.025	ug/l							
Copper	ND	2.0	0.25	ug/l							
Lead	ND	1.0	0.040	ug/l							
Selenium	ND	2.0	0.30	ug/l							
Silver	ND	1.0	0.025	ug/l							
Thallium	ND	1.0	0.15	ug/l							
<b>LCS Analyzed: 11/18/2005-11/20/2005 (5K18086-BS1)</b>											
Antimony	81.4	2.0	0.050	ug/l	80.0		102	85-115			
Cadmium	77.4	1.0	0.025	ug/l	80.0		97	85-115			
Copper	81.7	2.0	0.25	ug/l	80.0		102	85-115			
Lead	82.6	1.0	0.040	ug/l	80.0		103	85-115			
Selenium	80.6	2.0	0.30	ug/l	80.0		101	85-115			
Silver	80.4	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	78.7	1.0	0.15	ug/l	80.0		98	85-115			
<b>Matrix Spike Analyzed: 11/18/2005-11/20/2005 (5K18086-MS1) Source: IOK1534-01</b>											
Antimony	86.1	2.0	0.050	ug/l	80.0	0.18	107	70-130			
Cadmium	78.3	1.0	0.025	ug/l	80.0	ND	98	70-130			
Copper	80.0	2.0	0.25	ug/l	80.0	1.2	98	70-130			
Lead	83.1	1.0	0.040	ug/l	80.0	0.14	104	70-130			
Selenium	83.0	2.0	0.30	ug/l	80.0	1.4	102	70-130			
Silver	79.2	1.0	0.025	ug/l	80.0	ND	99	70-130			
Thallium	79.2	1.0	0.15	ug/l	80.0	ND	99	70-130			
<b>Matrix Spike Analyzed: 11/18/2005-11/20/2005 (5K18086-MS2) Source: IOK1173-04</b>											
Antimony	81.0	2.0	0.050	ug/l	80.0	0.12	101	70-130			
Cadmium	71.2	1.0	0.025	ug/l	80.0	ND	89	70-130			
Copper	75.3	2.0	0.25	ug/l	80.0	1.4	92	70-130			
Lead	79.2	1.0	0.040	ug/l	80.0	0.13	99	70-130			
Selenium	82.8	2.0	0.30	ug/l	80.0	1.8	101	70-130			
Silver	72.7	1.0	0.025	ug/l	80.0	ND	91	70-130			
Thallium	75.3	1.0	0.15	ug/l	80.0	ND	94	70-130			

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## METHOD BLANK/QC DATA

### METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 5K18086 Extracted: 11/18/05</b>											
<b>Matrix Spike Dup Analyzed: 11/18/2005-11/20/2005 (5K18086-MSD1)</b>						<b>Source: IOK1534-01</b>					
Antimony	88.3	2.0	0.050	ug/l	80.0	0.18	110	70-130	3	20	
Cadmium	77.9	1.0	0.025	ug/l	80.0	ND	97	70-130	1	20	
Copper	80.7	2.0	0.25	ug/l	80.0	1.2	99	70-130	1	20	
Lead	84.0	1.0	0.040	ug/l	80.0	0.14	105	70-130	1	20	
Selenium	84.8	2.0	0.30	ug/l	80.0	1.4	104	70-130	2	20	
Silver	79.1	1.0	0.025	ug/l	80.0	ND	99	70-130	0	20	
Thallium	80.2	1.0	0.15	ug/l	80.0	ND	100	70-130	1	20	

**Batch: 5K21076 Extracted: 11/21/05**

**Blank Analyzed: 11/21/2005 (5K21076-BLK1)**

Mercury	ND	0.20	0.050	ug/l							
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**LCS Analyzed: 11/21/2005 (5K21076-BS1)**

Mercury	7.94	0.20	0.050	ug/l	8.00		99	85-115			
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**Matrix Spike Analyzed: 11/21/2005 (5K21076-MS1)**

**Source: IOK1426-11**

Mercury	7.94	0.20	0.050	ug/l	8.00	ND	99	70-130			
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**Matrix Spike Dup Analyzed: 11/21/2005 (5K21076-MSD1)**

**Source: IOK1426-11**

Mercury	7.95	0.20	0.050	ug/l	8.00	ND	99	70-130	0	20	
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**METHOD BLANK/QC DATA**
**DISSOLVED METALS**

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	Data Qualifiers
<b>Batch: 5K18087 Extracted: 11/18/05</b>										
<b>Blank Analyzed: 11/19/2005 (5K18087-BLK1)</b>										
Arsenic	ND	5.0	4.4	ug/l						
Barium	ND	0.010	0.0060	mg/l						
Beryllium	ND	2.0	0.90	ug/l						
Boron	ND	0.050	0.0080	mg/l						
Chromium	ND	5.0	2.0	ug/l						
Cobalt	ND	10	2.0	ug/l						
Iron	ND	0.040	0.015	mg/l						
Manganese	ND	20	7.0	ug/l						
Nickel	ND	10	2.0	ug/l						
Vanadium	ND	10	3.0	ug/l						
Zinc	ND	20	15	ug/l						

**LCS Analyzed: 11/19/2005 (5K18087-BS1)**

Arsenic	949	5.0	4.4	ug/l	1000		95	85-115		
Barium	0.953	0.010	0.0060	mg/l	1.00		95	85-115		
Beryllium	970	2.0	0.90	ug/l	1000		97	85-115		
Boron	0.958	0.050	0.0080	mg/l	1.00		96	85-115		
Chromium	946	5.0	2.0	ug/l	1000		95	85-115		
Cobalt	965	10	2.0	ug/l	1000		96	85-115		
Iron	0.967	0.040	0.015	mg/l	1.00		97	85-115		
Manganese	958	20	7.0	ug/l	1000		96	85-115		
Nickel	977	10	2.0	ug/l	1000		98	85-115		
Vanadium	976	10	3.0	ug/l	1000		98	85-115		
Zinc	949	20	15	ug/l	1000		95	85-115		

**Matrix Spike Analyzed: 11/19/2005 (5K18087-MS1)**
**Source: IOK1105-01**

Arsenic	953	5.0	4.4	ug/l	1000	ND	95	70-130		
Barium	0.935	0.010	0.0060	mg/l	1.00	ND	94	70-130		
Beryllium	967	2.0	0.90	ug/l	1000	ND	97	70-130		
Boron	2.56	0.050	0.0080	mg/l	1.00	1.6	96	70-130		
Chromium	930	5.0	2.0	ug/l	1000	3.2	93	70-130		
Cobalt	926	10	2.0	ug/l	1000	ND	93	70-130		
Iron	0.787	0.040	0.015	mg/l	1.00	0.077	71	70-130		
Manganese	924	20	7.0	ug/l	1000	ND	92	70-130		
Nickel	945	10	2.0	ug/l	1000	ND	94	70-130		
Vanadium	978	10	3.0	ug/l	1000	ND	98	70-130		

**Del Mar Analytical, Irvine**  
Michele Harper  
Project Manager



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 5800 Woolsey Canyon Road  
 Canoga Park, CA 91304-1148  
 Attention: Bill McIlvaine

Project ID: Hydroseeding Project  
 TAS#  
 Report Number: IOK1695

Sampled: 11/16/05  
 Received: 11/17/05

### METHOD BLANK/QC DATA

### DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 5K18087 Extracted: 11/18/05</b>											
<b>Matrix Spike Analyzed: 11/19/2005 (5K18087-MS1)</b>						<b>Source: IOK1105-01</b>					
Zinc	991	20	15	ug/l	1000	20	97	70-130			
<b>Matrix Spike Dup Analyzed: 11/18/2005-11/19/2005 (5K18087-MSD1)</b>						<b>Source: IOK1105-01</b>					
Arsenic	967	5.0	4.4	ug/l	1000	ND	97	70-130	1	20	
Barium	0.918	0.010	0.0060	mg/l	1.00	ND	92	70-130	2	20	
Beryllium	969	2.0	0.90	ug/l	1000	ND	97	70-130	0	20	
Boron	2.54	0.050	0.0080	mg/l	1.00	1.6	94	70-130	1	20	
Chromium	950	5.0	2.0	ug/l	1000	3.2	95	70-130	2	20	
Cobalt	929	10	2.0	ug/l	1000	ND	93	70-130	0	20	
Iron	0.794	0.040	0.015	mg/l	1.00	0.077	72	70-130	1	20	
Manganese	926	20	7.0	ug/l	1000	ND	93	70-130	0	20	
Nickel	948	10	2.0	ug/l	1000	ND	95	70-130	0	20	
Vanadium	983	10	3.0	ug/l	1000	ND	98	70-130	1	20	
Zinc	975	20	15	ug/l	1000	20	96	70-130	2	20	

### **Batch: 5K18099 Extracted: 11/18/05**

#### **Blank Analyzed: 11/20/2005 (5K18099-BLK1)**

Antimony	ND	2.0	0.050	ug/l							
Cadmium	ND	1.0	0.025	ug/l							
Copper	1.75	2.0	0.25	ug/l							J
Lead	0.252	1.0	0.040	ug/l							J
Selenium	ND	2.0	0.30	ug/l							
Silver	ND	1.0	0.025	ug/l							
Thallium	ND	1.0	0.15	ug/l							

#### **LCS Analyzed: 11/20/2005 (5K18099-BS1)**

Antimony	78.4	2.0	0.050	ug/l	80.0		98	85-115			
Cadmium	78.6	1.0	0.025	ug/l	80.0		98	85-115			
Copper	81.6	2.0	0.25	ug/l	80.0		102	85-115			
Lead	83.5	1.0	0.040	ug/l	80.0		104	85-115			
Selenium	76.6	2.0	0.30	ug/l	80.0		96	85-115			
Silver	82.0	1.0	0.025	ug/l	80.0		102	85-115			
Thallium	80.6	1.0	0.15	ug/l	80.0		101	85-115			

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## METHOD BLANK/QC DATA

### DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 5K18099 Extracted: 11/18/05</b>											
<b>Matrix Spike Analyzed: 11/20/2005 (5K18099-MS1)</b>						<b>Source: IOK1695-01</b>					
Antimony	916	4.0	0.10	ug/l	80.0	820	120	70-130			
Cadmium	79.1	2.0	0.050	ug/l	80.0	0.35	98	70-130			
Copper	88.7	4.0	0.50	ug/l	80.0	10	98	70-130			
Lead	84.2	2.0	0.080	ug/l	80.0	1.2	104	70-130			
Selenium	77.6	4.0	0.60	ug/l	80.0	0.49	96	70-130			
Silver	82.0	2.0	0.050	ug/l	80.0	ND	102	70-130			
Thallium	88.0	2.0	0.30	ug/l	80.0	ND	110	70-130			
<b>Matrix Spike Dup Analyzed: 11/20/2005 (5K18099-MSD1)</b>						<b>Source: IOK1695-01</b>					
Antimony	906	4.0	0.10	ug/l	80.0	820	108	70-130	1	20	
Cadmium	79.0	2.0	0.050	ug/l	80.0	0.35	98	70-130	0	20	
Copper	87.0	4.0	0.50	ug/l	80.0	10	96	70-130	2	20	
Lead	83.7	2.0	0.080	ug/l	80.0	1.2	103	70-130	1	20	
Selenium	76.4	4.0	0.60	ug/l	80.0	0.49	95	70-130	2	20	
Silver	82.0	2.0	0.050	ug/l	80.0	ND	102	70-130	0	20	
Thallium	89.1	2.0	0.30	ug/l	80.0	ND	111	70-130	1	20	
<b>Batch: 5K21075 Extracted: 11/21/05</b>											
<b>Blank Analyzed: 11/21/2005 (5K21075-BLK1)</b>											
Mercury	ND	0.20	0.050	ug/l							
<b>LCS Analyzed: 11/21/2005 (5K21075-BS1)</b>											
Mercury	8.08	0.20	0.050	ug/l	8.00		101	85-115			
<b>Matrix Spike Analyzed: 11/21/2005 (5K21075-MS1)</b>						<b>Source: IOK1448-05</b>					
Mercury	7.91	0.20	0.050	ug/l	8.00	ND	99	70-130			

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## METHOD BLANK/QC DATA

### DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<b>Batch: 5K21075 Extracted: 11/21/05</b>											
<b>Matrix Spike Dup Analyzed: 11/21/2005 (5K21075-MSD1)</b>						<b>Source: IOK1448-05</b>					
Mercury	7.98	0.20	0.050	ug/l	8.00	ND	100	70-130	1	20	

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### DATA QUALIFIERS AND DEFINITIONS

- B** Analyte was detected in the associated Method Blank.
- J** Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
- 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	Nelac	California
1613A/1613B	Water		
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X

*Nevada 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).*

#### Subcontracted Laboratories

##### Pace Analytical, MN- SUB

1700 Elm Street, Ste 200 - Minneapolis, MN 55414

Analysis Performed: 1613-Dioxin-HR  
 Samples: IOK1695-01

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