



NEL LABORATORIES

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Phoenix • Sacramento

Las Vegas Division
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CLIENT: Brown & Caldwell
3636 N. Central Ave. Suite 200
Phoenix, AZ 85012
ATTN: Barbara Sylvester

PROJECT NAME: BHP-Florence/15942.009
PROJECT NUMBER: 15942.009

NEL ORDER ID: P0106002

Attached are the analytical results for samples in support of the above referenced project.

Samples submitted for this project were not sampled by NEL Laboratories. Samples were received by NEL in good condition, under chain of custody on 6/4/01.

Should you have any questions or comments, please feel free to contact our Client Services department at (602) 437-0099.

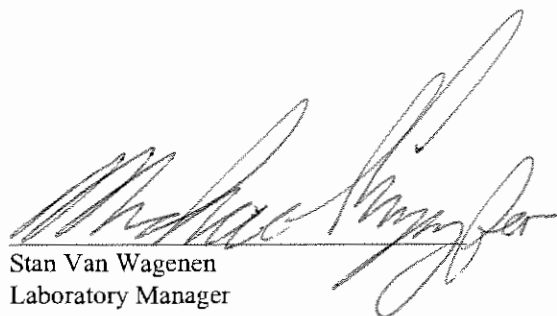
Some results have been flagged as follows:

Hr - Sample was received beyond holding time for this parameter.

Some QA results have been flagged as follows:

Hr - Sample was received beyond holding time for this parameter.

JI - The batch MS and/or MSD were outside acceptance limits. The batch LCS was acceptable.



Stan Van Wagenen
Laboratory Manager

7/2/01
Date *Reissue*

CERTIFICATIONS:

	Reno	Las Vegas	S. California
Arizona	AZ0520	AZ0518	AZ0605
California	1707	2002	2264
US Army Corps of Engineers	Certified	Certified	

	Reno	Las Vegas	S. California
Idaho	Certified	Certified	
Montana	Certified	Certified	
Nevada	NV033	NV052	CA084
L.A.C.S.D.			10228

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CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: BHP-11
DATE SAMPLED: 6/4/01
NEL SAMPLE ID: P0106002-01

TEST: AZ METALS PKG
MATRIX: Aqueous

ANALYST: RAA - Reno Division

<u>PARAMETER</u>	<u>RESULT</u> <u>mg/L</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>DIGESTED</u>	<u>ANALYZED</u>
Aluminum	ND	0.025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Antimony	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Arsenic	0.0014	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Barium	0.020	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Beryllium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cadmium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Calcium	66	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Chromium	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cobalt	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Copper	0.11	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Iron	ND	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Lead	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Magnesium	14	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Manganese	ND	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Mercury	ND	0.0002 mg/L	1	EPA 245.1	6/7/01	6/7/01
Molybdenum	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Nickel	ND	0.02 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Potassium	4.1	1. mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Selenium	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Silica	26	1. mg/L	1	SM 4500Si-D	6/14/01	6/14/01
Silver	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Sodium	73	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Thallium	ND	0.0005 mg/L	1	EPA 200.8	6/6/01	6/11/01
Zinc	ND	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01

D.F. - Dilution Factor

ND - Not Detected

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CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: BHP-8
DATE SAMPLED: 6/4/01
NEL SAMPLE ID: P0106002-02

TEST: AZ METALS PKG
MATRIX: Aqueous

ANALYST: RAA - Reno Division

<u>PARAMETER</u>	<u>RESULT</u> <u>mg/L</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>DIGESTED</u>	<u>ANALYZED</u>
Aluminum	2.0	0.025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Antimony	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Arsenic	0.0043	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Barium	0.015	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Beryllium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cadmium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Calcium	100	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Chromium	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cobalt	0.082	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Copper	19	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Iron	0.090	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Lead	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Magnesium	27	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Manganese	1.0	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Mercury	ND	0.0002 mg/L	1	EPA 245.1	6/7/01	6/7/01
Molybdenum	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Nickel	0.093	0.02 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Potassium	6.0	1. mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Selenium	0.0035	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Silica	36	1. mg/L	1	SM 4500Si-D	6/14/01	6/14/01
Silver	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Sodium	74	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Thallium	ND	0.0005 mg/L	1	EPA 200.8	6/6/01	6/11/01
Zinc	0.14	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01

D.F. - Dilution Factor

ND - Not Detected

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CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: **BHP-2**
DATE SAMPLED: 6/4/01
NEL SAMPLE ID: P0106002-03

TEST: **AZ METALS PKG**
MATRIX: Aqueous

ANALYST: RAA - Reno Division

<u>PARAMETER</u>	<u>RESULT</u> <u>mg/L</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>DIGESTED</u>	<u>ANALYZED</u>
Aluminum	ND	0.025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Antimony	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Arsenic	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Barium	0.050	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Beryllium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cadmium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Calcium	63	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Chromium	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cobalt	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Copper	0.066	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Iron	ND	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Lead	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Magnesium	13	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Manganese	ND	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Mercury	ND	0.0002 mg/L	1	EPA 245.1	6/7/01	6/7/01
Molybdenum	0.0071	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Nickel	ND	0.02 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Potassium	5.3	1. mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Selenium	0.0011	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Silica	29	1. mg/L	1	SM 4500Si-D	6/14/01	6/14/01
Silver	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Sodium	76	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Thallium	ND	0.0005 mg/L	1	EPA 200.8	6/6/01	6/11/01
Zinc	ND	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01

D.F. - Dilution Factor

ND - Not Detected

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CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: BHP-6
DATE SAMPLED: 6/4/01
NEL SAMPLE ID: P0106002-04

TEST: AZ METALS PKG
MATRIX: Aqueous

ANALYST: RAA - Reno Division

<u>PARAMETER</u>	<u>RESULT</u> <u>mg/L</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>DIGESTED</u>	<u>ANALYZED</u>
Aluminum	2.5	0.025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Antimony	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Arsenic	0.0093	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Barium	0.014	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Beryllium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cadmium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Calcium	110	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Chromium	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cobalt	0.073	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Copper	17	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Iron	0.064	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Lead	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Magnesium	26	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Manganese	1.1	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Mercury	ND	0.0002 mg/L	1	EPA 245.1	6/7/01	6/7/01
Molybdenum	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Nickel	0.081	0.02 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Potassium	6.5	1. mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Selenium	0.0021	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Silica	38	1. mg/L	1	SM 4500Si-D	6/14/01	6/14/01
Silver	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Sodium	66	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Thallium	ND	0.0005 mg/L	1	EPA 200.8	6/6/01	6/11/01
Zinc	0.12	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01

D.F. - Dilution Factor

ND - Not Detected

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CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: BHP-3
DATE SAMPLED: 6/4/01
NEL SAMPLE ID: P0106002-05

TEST: AZ METALS PKG
MATRIX: Aqueous

ANALYST: RAA - Reno Division

PARAMETER	RESULT mg/L	REPORTING LIMIT	D. F.	METHOD	DIGESTED	ANALYZED
Aluminum	ND	0.025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Antimony	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Arsenic	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Barium	0.053	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Beryllium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cadmium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Calcium	68	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Chromium	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cobalt	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Copper	0.14	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Iron	ND	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Lead	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Magnesium	14	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Manganese	0.011	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Mercury	ND	0.0002 mg/L	1	EPA 245.1	6/7/01	6/7/01
Molybdenum	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Nickel	ND	0.02 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Potassium	4.4	1. mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Selenium	0.0012	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Silica	25	1. mg/L	1	SM 4500Si-D	6/14/01	6/14/01
Silver	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Sodium	74	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Thallium	ND	0.0005 mg/L	1	EPA 200.8	6/6/01	6/11/01
Zinc	ND	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01

D.F. - Dilution Factor

ND - Not Detected

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CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: BHP-10
DATE SAMPLED: 6/4/01
NEL SAMPLE ID: P0106002-06

TEST: AZ METALS PKG
MATRIX: Aqueous

ANALYST: RAA - Reno Division

<u>PARAMETER</u>	<u>RESULT</u> <u>mg/L</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>DIGESTED</u>	<u>ANALYZED</u>
Aluminum	ND	0.025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Antimony	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Arsenic	0.0030	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Barium	0.0090	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Beryllium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cadmium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Calcium	57	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Chromium	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cobalt	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Copper	0.18	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Iron	ND	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Lead	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Magnesium	15	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Manganese	0.010	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Mercury	ND	0.0002 mg/L	1	EPA 245.1	6/7/01	6/7/01
Molybdenum	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Nickel	ND	0.02 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Potassium	4.0	1. mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Selenium	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Silica	22	1. mg/L	1	SM 4500Si-D	6/14/01	6/14/01
Silver	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Sodium	74	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Thallium	ND	0.0005 mg/L	1	EPA 200.8	6/6/01	6/11/01
Zinc	ND	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: BHP-9
DATE SAMPLED: 6/4/01
NEL SAMPLE ID: P0106002-07

TEST: AZ METALS PKG
MATRIX: Aqueous

ANALYST: RAA - Reno Division

<u>PARAMETER</u>	<u>RESULT</u> <u>mg/L</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>DIGESTED</u>	<u>ANALYZED</u>
Aluminum	2.8	0.025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Antimony	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Arsenic	0.0085	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Barium	0.021	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Beryllium	0.0028	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cadmium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Calcium	90	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Chromium	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cobalt	0.076	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Copper	19	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Iron	ND	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Lead	0.0018	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Magnesium	25	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Manganese	1.1	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Mercury	ND	0.0002 mg/L	1	EPA 245.1	6/7/01	6/7/01
Molybdenum	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Nickel	0.093	0.02 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Potassium	6.2	1. mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Selenium	0.0023	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Silica	40	1. mg/L	1	SM 4500Si-D	6/14/01	6/14/01
Silver	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Sodium	62	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Thallium	ND	0.0005 mg/L	1	EPA 200.8	6/6/01	6/11/01
Zinc	0.12	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: BHP-5
DATE SAMPLED: 6/4/01
NEL SAMPLE ID: P0106002-08

TEST: AZ METALS PKG
MATRIX: Aqueous

ANALYST: RAA - Reno Division

PARAMETER	RESULT mg/L	REPORTING LIMIT	D. F.	METHOD	DIGESTED	ANALYZED
Aluminum	ND	0.025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Antimony	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Arsenic	0.0044	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Barium	ND	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Beryllium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cadmium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Calcium	51	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Chromium	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cobalt	0.026	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Copper	5.4	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Iron	ND	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Lead	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Magnesium	14	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Manganese	0.37	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Mercury	ND	0.0002 mg/L	1	EPA 245.1	6/7/01	6/7/01
Molybdenum	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Nickel	0.029	0.02 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Potassium	5.0	1. mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Selenium	0.0022	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Silica	30	1. mg/L	1	SM 4500Si-D	6/14/01	6/14/01
Silver	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Sodium	70	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Thallium	ND	0.0005 mg/L	1	EPA 200.8	6/6/01	6/11/01
Zinc	ND	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: BHP-12
DATE SAMPLED: 6/4/01
NEL SAMPLE ID: P0106002-09

TEST: AZ METALS PKG
MATRIX: Aqueous

ANALYST: RAA - Reno Division

PARAMETER	RESULT mg/L	REPORTING LIMIT	D. F.	METHOD	DIGESTED	ANALYZED
Aluminum	ND	0.025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Antimony	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Arsenic	0.0025	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Barium	0.049	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Beryllium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cadmium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Calcium	78	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Chromium	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cobalt	0.016	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Copper	1.0	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Iron	ND	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Lead	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Magnesium	18	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Manganese	0.19	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Mercury	ND	0.0002 mg/L	1	EPA 245.1	6/7/01	6/7/01
Molybdenum	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Nickel	ND	0.02 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Potassium	4.9	1. mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Selenium	0.0012	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Silica	22	1. mg/L	1	SM 4500Si-D	6/14/01	6/14/01
Silver	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Sodium	71	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Thallium	ND	0.0005 mg/L	1	EPA 200.8	6/6/01	6/11/01
Zinc	ND	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: BHP-4
DATE SAMPLED: 6/4/01
NEL SAMPLE ID: P0106002-10

TEST: AZ METALS PKG
MATRIX: Aqueous

ANALYST: RAA - Reno Division

<u>PARAMETER</u>	<u>RESULT</u> <u>mg/L</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>DIGESTED</u>	<u>ANALYZED</u>
Aluminum	ND	0.025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Antimony	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Arsenic	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Barium	0.017	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Beryllium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cadmium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Calcium	71	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Chromium	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cobalt	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Copper	0.29	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Iron	ND	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Lead	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Magnesium	16	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Manganese	0.025	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Mercury	ND	0.0002 mg/L	1	EPA 245.1	6/7/01	6/7/01
Molybdenum	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Nickel	ND	0.02 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Potassium	5.1	1. mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Selenium	0.0015	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Silica	25	1. mg/L	1	SM 4500Si-D	6/14/01	6/14/01
Silver	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Sodium	76	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Thallium	ND	0.0005 mg/L	1	EPA 200.8	6/6/01	6/11/01
Zinc	ND	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: BHP-7
DATE SAMPLED: 6/4/01
NEL SAMPLE ID: P0106002-11

TEST: AZ METALS PKG
MATRIX: Aqueous

ANALYST: RAA - Reno Division

<u>PARAMETER</u>	<u>RESULT</u> <u>mg/L</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>DIGESTED</u>	<u>ANALYZED</u>
Aluminum	2.3	0.025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Antimony	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Arsenic	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Barium	0.020	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Beryllium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cadmium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Calcium	80	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Chromium	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cobalt	0.071	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Copper	14	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Iron	ND	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Lead	0.0017	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Magnesium	21	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Manganese	0.86	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Mercury	ND	0.0002 mg/L	1	EPA 245.1	6/7/01	6/7/01
Molybdenum	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Nickel	0.084	0.02 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Potassium	6.0	1. mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Selenium	0.0020	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Silica	22	1. mg/L	1	SM 4500Si-D	6/14/01	6/14/01
Silver	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Sodium	62	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Thallium	ND	0.0005 mg/L	1	EPA 200.8	6/6/01	6/11/01
Zinc	0.096	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010614SIA-BLK

TEST:

<u>PARAMETER</u>	<u>RESULT</u> <u>mg/L</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>DIGESTED</u>	<u>ANALYZED</u>
Silica	ND	1. mg/L	1	SM 4500Si-D	6/14/01	6/14/01

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: P06002-hG-BLK

TEST: AZ METALS PKG

<u>PARAMETER</u>	<u>RESULT</u> <u>mg/L</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>DIGESTED</u>	<u>ANALYZED</u>
Mercury	ND	0.0002 mg/L	1	EPA 245.1	6/7/01	6/7/01

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: P06002-Hg-11-BLK

TEST: AZ METALS PKG

<u>PARAMETER</u>	<u>RESULT</u> <u>mg/L</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>DIGESTED</u>	<u>ANALYZED</u>
Mercury	ND	0.0002 mg/L	1	EPA 245.1	6/7/01	6/7/01

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: Method Blank
 DATE SAMPLED: NA
 NEL SAMPLE ID: P6002-2-BLK

TEST: AZ METALS PKG

<u>PARAMETER</u>	<u>RESULT</u> <u>mg/L</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>DIGESTED</u>	<u>ANALYZED</u>
Aluminum	ND	0.05 mg/L	1	EPA 200.7	6/7/01	6/8/01
Barium	ND	0.005 mg/L	1	EPA 200.7	6/7/01	6/8/01
Beryllium	ND	0.004 mg/L	1	EPA 200.7	6/7/01	6/8/01
Cadmium	ND	0.004 mg/L	1	EPA 200.7	6/7/01	6/8/01
Calcium	ND	0.5 mg/L	1	EPA 200.7	6/7/01	6/8/01
Chromium	ND	0.01 mg/L	1	EPA 200.7	6/7/01	6/8/01
Cobalt	ND	0.01 mg/L	1	EPA 200.7	6/7/01	6/8/01
Copper	ND	0.005 mg/L	1	EPA 200.7	6/7/01	6/8/01
Iron	ND	0.1 mg/L	1	EPA 200.7	6/7/01	6/8/01
Magnesium	ND	0.5 mg/L	1	EPA 200.7	6/7/01	6/8/01
Manganese	ND	0.005 mg/L	1	EPA 200.7	6/7/01	6/8/01
Molybdenum	ND	0.01 mg/L	1	EPA 200.7	6/7/01	6/8/01
Nickel	ND	0.04 mg/L	1	EPA 200.7	6/7/01	6/8/01
Potassium	ND	2. mg/L	1	EPA 200.7	6/7/01	6/8/01
Silver	ND	0.01 mg/L	1	EPA 200.7	6/7/01	6/8/01
Sodium	ND	0.5 mg/L	1	EPA 200.7	6/7/01	6/8/01
Zinc	ND	0.1 mg/L	1	EPA 200.7	6/7/01	6/8/01

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: P6002I-BLK

TEST: AZ METALS PKG

<u>PARAMETER</u>	<u>RESULT</u> <u>mg/L</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>DIGESTED</u>	<u>ANALYZED</u>
Aluminum	ND	0.025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Barium	ND	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Beryllium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cadmium	ND	0.002 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Calcium	ND	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Chromium	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Cobalt	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Copper	ND	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Iron	ND	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Magnesium	ND	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Manganese	ND	0.0025 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Molybdenum	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Nickel	ND	0.02 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Potassium	ND	1. mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Silver	ND	0.005 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Sodium	ND	0.25 mg/L	0.5	EPA 200.7	6/7/01	6/8/01
Zinc	ND	0.05 mg/L	0.5	EPA 200.7	6/7/01	6/8/01

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: P6002M-BLK

TEST: AZ METALS PKG

<u>PARAMETER</u>	<u>RESULT</u> <u>mg/L</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>DIGESTED</u>	<u>ANALYZED</u>
Antimony	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Arsenic	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Lead	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Selenium	ND	0.001 mg/L	1	EPA 200.8	6/6/01	6/11/01
Thallium	ND	0.0005 mg/L	1	EPA 200.8	6/6/01	6/11/01

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: BHP-11
 DATE SAMPLED: 6/4/01
 NEL SAMPLE ID: P0106002-01

TEST: Inorganic Non-Metals
 MATRIX: Aqueous

PARAMETER	RESULT		R. L.	D. F.	METHOD	UNITS	ANALYZED
Alkalinity - Bicarbonate as CaCO ₃	140			1	SM 2320 B	mg/L	6/11/01
Alkalinity - Carbonate as CaCO ₃	ND			1	SM 2320 B	mg/L	6/11/01
Alkalinity - Hydroxide as CaCO ₃	ND			1	SM 2320 B	mg/L	6/11/01
Alkalinity, Total as CaCO ₃	140		25.	1	SM 2320 B	mg/L	6/11/01
Cation/Anion Balance	11		0.	1	Standard Methods	% Diff.	7/2/01
Chloride	120		25.	250	EPA 300.0	mg/L	6/12/01
Fluoride	0.42		0.4	1	SM 4500-F C	mg/L	6/11/01
Nitrate, as N	0.36	Hr	0.1	1	EPA 300.0	mg/L-N	6/6/01
pH	7.70	Hr	2.	1	EPA 150.1	pH Units	6/6/01
pH Temperature	23.9		1.	1	EPA 150.1	°C	6/6/01
Sulfate	64		5.	50	EPA 300.0	mg/L	6/8/01
Total Dissolved Solids	489		15.	1	SM 2540 C	mg/L	6/6/01

R.L. - Reporting Limit

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: BHP-8
 DATE SAMPLED: 6/4/01
 NEL SAMPLE ID: P0106002-02

TEST: Inorganic Non-Metals
 MATRIX: Aqueous

PARAMETER	RESULT	R. L.	D. F.	METHOD	UNITS	ANALYZED
Alkalinity - Bicarbonate as CaCO ₃	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Carbonate as CaCO ₃	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Hydroxide as CaCO ₃	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity, Total as CaCO ₃	ND	25.	1	SM 2320 B	mg/L	6/11/01
Cation/Anion Balance	7	0.	1	Standard Methods	% Diff.	7/2/01
Chloride	130	25.	250	EPA 300.0	mg/L	6/12/01
Fluoride	1.3	0.4	1	SM 4500-F C	mg/L	6/11/01
Nitrate, as N	ND	Hr 0.5	5	EPA 300.0	mg/L-N	6/6/01
pH	4.78	Hr 2.	1	EPA 150.1	pH Units	6/6/01
pH Temperature	24.3	1.	1	EPA 150.1	°C	6/6/01
Sulfate	410	50.	500	EPA 300.0	mg/L	6/13/01
Total Dissolved Solids	871	15.	1	SM 2540 C	mg/L	6/6/01

R.L. - Reporting Limit

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: BHP-2
 DATE SAMPLED: 6/4/01
 NEL SAMPLE ID: P0106002-03

TEST: Inorganic Non-Metals
 MATRIX: Aqueous

PARAMETER	RESULT		R. L.	D. F.	METHOD	UNITS	ANALYZED
Alkalinity - Bicarbonate as CaCO ₃	130			1	SM 2320 B	mg/L	6/11/01
Alkalinity - Carbonate as CaCO ₃	ND			1	SM 2320 B	mg/L	6/11/01
Alkalinity - Hydroxide as CaCO ₃	ND			1	SM 2320 B	mg/L	6/11/01
Alkalinity, Total as CaCO ₃	130		25.	1	SM 2320 B	mg/L	6/11/01
Cation/Anion Balance	10		0.	1	Standard Methods	% Diff.	7/2/01
Chloride	130		25.	250	EPA 300.0	mg/L	6/12/01
Fluoride	0.61		0.4	1	SM 4500-F C	mg/L	6/11/01
Nitrate, as N	0.35	Hr	0.1	1	EPA 300.0	mg/L-N	6/6/01
pH	7.54	Hr	2.	1	EPA 150.1	pH Units	6/6/01
pH Temperature	23.6		1.	1	EPA 150.1	°C	6/6/01
Sulfate	60		5.	50	EPA 300.0	mg/L	6/8/01
Total Dissolved Solids	476		15.	1	SM 2540 C	mg/L	6/6/01

R.L. - Reporting Limit

D.F. - Dilution Factor

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: BHP-6
 DATE SAMPLED: 6/4/01
 NEL SAMPLE ID: P0106002-04

TEST: Inorganic Non-Metals
 MATRIX: Aqueous

PARAMETER	RESULT	R. L.	D. F.	METHOD	UNITS	ANALYZED
Alkalinity - Bicarbonate as CaCO ₃	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Carbonate as CaCO ₃	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Hydroxide as CaCO ₃	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity, Total as CaCO ₃	ND	25.	1	SM 2320 B	mg/L	6/11/01
Cation/Anion Balance	8	0.	1	Standard Methods	% Diff.	7/2/01
Chloride	130	25.	250	EPA 300.0	mg/L	6/12/01
Fluoride	1.3	0.4	1	SM 4500-F C	mg/L	6/11/01
Nitrate, as N	ND Hr	0.5	5	EPA 300.0	mg/L-N	6/6/01
pH	4.05 Hr	2.	1	EPA 150.1	pH Units	6/6/01
pH Temperature	22.8	1.	1	EPA 150.1	°C	6/6/01
Sulfate	420	50.	500	EPA 300.0	mg/L	6/13/01
Total Dissolved Solids	892	15.	1	SM 2540 C	mg/L	6/6/01

R.L. - Reporting Limit

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: BHP-3
 DATE SAMPLED: 6/4/01
 NEL SAMPLE ID: P0106002-05

TEST: **Inorganic Non-Metals**
 MATRIX: Aqueous

PARAMETER	RESULT	R. L.	D. F.	METHOD	UNITS	ANALYZED
Alkalinity - Bicarbonate as CaCO ₃	130		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Carbonate as CaCO ₃	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Hydroxide as CaCO ₃	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity, Total as CaCO ₃	130	25.	1	SM 2320 B	mg/L	6/11/01
Cation/Anion Balance	5	0.	1	Standard Methods	% Diff.	7/2/01
Chloride	150	25.	250	EPA 300.0	mg/L	6/12/01
Fluoride	0.78	0.4	1	SM 4500-F C	mg/L	6/11/01
Nitrate, as N	0.36 Hr	0.1	1	EPA 300.0	mg/L-N	6/6/01
pH	7.28 Hr	2.	1	EPA 150.1	pH Units	6/6/01
pH Temperature	23.4	1.	1	EPA 150.1	°C	6/6/01
Sulfate	73	5.	50	EPA 300.0	mg/L	6/8/01
Total Dissolved Solids	488	15.	1	SM 2540 C	mg/L	6/6/01

R.L. - Reporting Limit

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: BHP-10
 DATE SAMPLED: 6/4/01
 NEL SAMPLE ID: P0106002-06

TEST: Inorganic Non-Metals
 MATRIX: Aqueous

PARAMETER	RESULT	R. L.	D. F.	METHOD	UNITS	ANALYZED
Alkalinity - Bicarbonate as CaCO ₃	120		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Carbonate as CaCO ₃	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Hydroxide as CaCO ₃	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity, Total as CaCO ₃	120	25.	1	SM 2320 B	mg/L	6/11/01
Cation/Anion Balance	9	0.	1	Standard Methods	% Diff.	7/2/01
Chloride	130	25.	250	EPA 300.0	mg/L	6/12/01
Fluoride	1.2	0.4	1	SM 4500-F C	mg/L	6/11/01
Nitrate, as N	0.44 Hr	0.1	1	EPA 300.0	mg/L-N	6/6/01
pH	7.31 Hr	2.	1	EPA 150.1	pH Units	6/6/01
pH Temperature	23.2	1.	1	EPA 150.1	°C	6/6/01
Sulfate	59	5.	50	EPA 300.0	mg/L	6/8/01
Total Dissolved Solids	451	15.	1	SM 2540 C	mg/L	6/6/01

R.L. - Reporting Limit

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: BHP-9
 DATE SAMPLED: 6/4/01
 NEL SAMPLE ID: P0106002-07

TEST: Inorganic Non-Metals
 MATRIX: Aqueous

PARAMETER	RESULT	R. L.	D. F.	METHOD	UNITS	ANALYZED
Alkalinity - Bicarbonate as CaCO ₃	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Carbonate as CaCO ₃	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Hydroxide as CaCO ₃	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity, Total as CaCO ₃	ND	25.	1	SM 2320 B	mg/L	6/11/01
Cation/Anion Balance	9	0.	1	Standard Methods	% Diff.	7/2/01
Chloride	130	25.	250	EPA 300.0	mg/L	6/12/01
Fluoride	1.5	0.4	1	SM 4500-F C	mg/L	6/11/01
Nitrate, as N	ND	Hr 0.5	5	EPA 300.0	mg/L-N	6/6/01
pH	4.07	Hr 2.	1	EPA 150.1	pH Units	6/6/01
pH Temperature	23.3	1.	1	EPA 150.1	°C	6/6/01
Sulfate	360	50.	500	EPA 300.0	mg/L	6/14/01
Total Dissolved Solids	785	15.	1	SM 2540 C	mg/L	6/6/01

R.L. - Reporting Limit

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: BHP-5
 DATE SAMPLED: 6/4/01
 NEL SAMPLE ID: P0106002-08

TEST: Inorganic Non-Metals
 MATRIX: Aqueous

PARAMETER	RESULT	R. L.	D. F.	METHOD	UNITS	ANALYZED
Alkalinity - Bicarbonate as CaCO ₃	44		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Carbonate as CaCO ₃	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Hydroxide as CaCO ₃	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity, Total as CaCO ₃	44	25.	1	SM 2320 B	mg/L	6/11/01
Cation/Anion Balance	3	0.	1	Standard Methods	% Diff.	7/2/01
Chloride	130	25.	250	EPA 300.0	mg/L	6/12/01
Fluoride	1.2	0.4	1	SM 4500-F C	mg/L	6/11/01
Nitrate, as N	0.34	Hr 0.1	1	EPA 300.0	mg/L-N	6/6/01
pH	6.27	Hr 2.	1	EPA 150.1	pH Units	6/6/01
pH Temperature	23.4	1.	1	EPA 150.1	°C	6/6/01
Sulfate	110	5.	50	EPA 300.0	mg/L	6/8/01
Total Dissolved Solids	477	15.	1	SM 2540 C	mg/L	6/6/01

R.L. - Reporting Limit

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: BHP-12
DATE SAMPLED: 6/4/01
NEL SAMPLE ID: P0106002-09

TEST: Inorganic Non-Metals
MATRIX: Aqueous

PARAMETER	RESULT		R. L.	D. F.	METHOD	UNITS	ANALYZED
Alkalinity - Bicarbonate as CaCO ₃	120			1	SM 2320 B	mg/L	6/11/01
Alkalinity - Carbonate as CaCO ₃	ND			1	SM 2320 B	mg/L	6/11/01
Alkalinity - Hydroxide as CaCO ₃	ND			1	SM 2320 B	mg/L	6/11/01
Alkalinity, Total as CaCO ₃	120		25.	1	SM 2320 B	mg/L	6/11/01
Cation/Anion Balance	5		0.	1	Standard Methods	% Diff.	7/2/01
Chloride	140		25.	250	EPA 300.0	mg/L	6/12/01
Fluoride	1.2		0.4	1	SM 4500-F C	mg/L	6/11/01
Nitrate, as N	ND	Hr	0.5	5	EPA 300.0	mg/L-N	6/6/01
pH	7.23	Hr	2.	1	EPA 150.1	pH Units	6/6/01
pH Temperature	23.7		1.	1	EPA 150.1	°C	6/6/01
Sulfate	120		5.	50	EPA 300.0	mg/L	6/8/01
Total Dissolved Solids	523		15.	1	SM 2540 C	mg/L	6/6/01

R.L. - Reporting Limit

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: BHP-4
 DATE SAMPLED: 6/4/01
 NEL SAMPLE ID: P0106002-10

TEST: Inorganic Non-Metals
 MATRIX: Aqueous

PARAMETER	RESULT		R. L.	D. F.	METHOD	UNITS	ANALYZED
Alkalinity - Bicarbonate as CaCO ₃	120			1	SM 2320 B	mg/L	6/11/01
Alkalinity - Carbonate as CaCO ₃	ND			1	SM 2320 B	mg/L	6/11/01
Alkalinity - Hydroxide as CaCO ₃	ND			1	SM 2320 B	mg/L	6/11/01
Alkalinity, Total as CaCO ₃	120		25.	1	SM 2320 B	mg/L	6/11/01
Cation/Anion Balance	7		0.	1	Standard Methods	% Diff.	7/2/01
Chloride	140		25.	250	EPA 300.0	mg/L	6/12/01
Fluoride	1.1		0.4	1	SM 4500-F C	mg/L	6/11/01
Nitrate, as N	ND	Hr	0.5	5	EPA 300.0	mg/L-N	6/6/01
pH	7.37	Hr	2.	1	EPA 150.1	pH Units	6/6/01
pH Temperature	23.7		1.	1	EPA 150.1	°C	6/6/01
Sulfate	93		5.	50	EPA 300.0	mg/L	6/8/01
Total Dissolved Solids	517		15.	1	SM 2540 C	mg/L	6/6/01

R.L. - Reporting Limit

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: BHP-7
 DATE SAMPLED: 6/4/01
 NEL SAMPLE ID: P0106002-11

TEST: **Inorganic Non-Metals**
 MATRIX: Aqueous

PARAMETER	RESULT	R. L.	D. F.	METHOD	UNITS	ANALYZED
Alkalinity - Bicarbonate as CaCO ₃	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Carbonate as CaCO ₃	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Hydroxide as CaCO ₃	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity, Total as CaCO ₃	ND	25.	1	SM 2320 B	mg/L	6/11/01
Cation/Anion Balance	7	0.	1	Standard Methods	% Diff.	7/2/01
Chloride	140	25.	250	EPA 300.0	mg/L	6/12/01
Fluoride	1.3	0.4	1	SM 4500-F C	mg/L	6/11/01
Nitrate, as N	ND	Hr 0.5	5	EPA 300.0	mg/L-N	6/6/01
pH	4.88	Hr 2.	1	EPA 150.1	pH Units	6/6/01
pH Temperature	23.8	1.	1	EPA 150.1	°C	6/6/01
Sulfate	280	10.	100	EPA 300.0	mg/L	6/13/01
Total Dissolved Solids	725	15.	1	SM 2540 C	mg/L	6/6/01

R.L. - Reporting Limit

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010606NO3-BLK

TEST: Non-Metals

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Nitrate, as N	ND	0.1	1	EPA 300.0	mg/L-N	6/6/01

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010606TDS-BLK

TEST: Non-Metals

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Total Dissolved Solids	ND	15	1	SM 2540 C	mg/L	6/6/01

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: **Method Blank**
DATE SAMPLED: NA
NEL SAMPLE ID: 010608BANGRP-BLK

TEST: **Non-Metals**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Sulfate	ND	0.1	1	EPA 300.0	mg/L	6/8/01

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010611ALK-BLK

TEST: Non-Metals

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Alkalinity - Bicarbonate as CaC	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Carbonate as CaCO	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Hydroxide as CaCO	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity, Total as CaCO ₃	ND	25	1	SM 2320 B	mg/L	6/11/01

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: **Method Blank**
 DATE SAMPLED: NA
 NEL SAMPLE ID: 010611ALK2-BLK

TEST: **Non-Metals**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Alkalinity - Bicarbonate as CaC	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Carbonate as CaCO	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Hydroxide as CaCO	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity, Total as CaCO ₃	ND	25	1	SM 2320 B	mg/L	6/11/01

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010612CL-BLK

TEST: Non-Metals

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Chloride	ND	0.1	1	EPA 300.0	mg/L	6/12/01

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: **Method Blank**
DATE SAMPLED: NA
NEL SAMPLE ID: 010613BSO4-BLK

TEST: **Non-Metals**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Sulfate	ND	0.1	1	EPA 300.0	mg/L	6/13/01

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: **Method Blank**
DATE SAMPLED: NA
NEL SAMPLE ID: 010614SO4-BLK

TEST: **Non-Metals**

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Sulfate	ND	0.1	1	EPA 300.0	mg/L	6/14/01

D.F. - Dilution Factor

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: **BHP-11**
 DATE SAMPLED: 6/4/01
 NEL SAMPLE ID: P0106002-01

TEST: **BTEX by EPA SW846 Method 8021B, Dec. 1996**
 METHOD: EPA 8021B
 MATRIX: Aqueous
 DILUTION: 1

ANALYST: CCS - Las Vegas Division
 EXTRACTED: NA
 ANALYZED: 6/8/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Benzene	ND	2. µg/L
Toluene	ND	2. µg/L
Ethylbenzene	ND	2. µg/L
Total Xylenes	ND	2. µg/L

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
a,a,a-Trifluorotoluene	91	69 - 120

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: **BHP-8**
DATE SAMPLED: 6/4/01
NEL SAMPLE ID: P0106002-02

TEST: **BTEX by EPA SW846 Method 8021B, Dec. 1996**

METHOD: EPA 8021B

ANALYST: CCS - Las Vegas Division

MATRIX: Aqueous

EXTRACTED: NA

DILUTION: 1

ANALYZED: 6/8/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Benzene	ND	2. µg/L
Toluene	ND	2. µg/L
Ethylbenzene	ND	2. µg/L
Total Xylenes	ND	2. µg/L

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
a,a,a-Trifluorotoluene	94	69 - 120

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: **BHP-2**
 DATE SAMPLED: 6/4/01
 NEL SAMPLE ID: P0106002-03

TEST: **BTEX by EPA SW846 Method 8021B, Dec. 1996**

METHOD: EPA 8021B
 MATRIX: Aqueous
 DILUTION: 1

ANALYST: CCS - Las Vegas Division
 EXTRACTED: NA
 ANALYZED: 6/8/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Benzene	ND	2. µg/L
Toluene	ND	2. µg/L
Ethylbenzene	ND	2. µg/L
Total Xylenes	ND	2. µg/L

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
a,a,a-Trifluorotoluene	94	69 - 120

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: **BHP-6**
 DATE SAMPLED: 6/4/01
 NEL SAMPLE ID: P0106002-04

TEST: **BTEX by EPA SW846 Method 8021B, Dec. 1996**
 METHOD: EPA 8021B
 MATRIX: Aqueous
 DILUTION: 1

ANALYST: CCS - Las Vegas Division
 EXTRACTED: NA
 ANALYZED: 6/8/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Benzene	ND	2. µg/L
Toluene	ND	2. µg/L
Ethylbenzene	ND	2. µg/L
Total Xylenes	ND	2. µg/L

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
a,a,a-Trifluorotoluene	91	69 - 120

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: **BHP-3**
 DATE SAMPLED: 6/4/01
 NEL SAMPLE ID: P0106002-05

TEST: **BTEX by EPA SW846 Method 8021B, Dec. 1996**

METHOD: EPA 8021B

ANALYST: CCS - Las Vegas Division

MATRIX: Aqueous

EXTRACTED: NA

DILUTION: 1

ANALYZED: 6/8/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Benzene	ND	2. µg/L
Toluene	ND	2. µg/L
Ethylbenzene	ND	2. µg/L
Total Xylenes	ND	2. µg/L

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
a,a,a-Trifluorotoluene	93	69 - 120

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

CLIENT ID: **BHP-10**
DATE SAMPLED: 6/4/01
NEL SAMPLE ID: P0106002-06

TEST: **BTEX by EPA SW846 Method 8021B, Dec. 1996**

METHOD: EPA 8021B

ANALYST: CCS - Las Vegas Division

MATRIX: Aqueous

EXTRACTED: NA

DILUTION: 1

ANALYZED: 6/8/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Benzene	ND	2. µg/L
Toluene	ND	2. µg/L
Ethylbenzene	ND	2. µg/L
Total Xylenes	ND	2. µg/L

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
a,a,a-Trifluorotoluene	91	69 - 120

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: **BHP-9**
 DATE SAMPLED: 6/4/01
 NEL SAMPLE ID: P0106002-07

TEST: **BTEX by EPA SW846 Method 8021B, Dec. 1996**
 METHOD: EPA 8021B
 MATRIX: Aqueous
 DILUTION: 1

ANALYST: CCS - Las Vegas Division
 EXTRACTED: NA
 ANALYZED: 6/8/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Benzene	ND	2. µg/L
Toluene	ND	2. µg/L
Ethylbenzene	ND	2. µg/L
Total Xylenes	ND	2. µg/L

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
a,a,a-Trifluorotoluene	90	69 - 120

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: **BHP-5**
 DATE SAMPLED: 6/4/01
 NEL SAMPLE ID: P0106002-08

TEST: **BTEX by EPA SW846 Method 8021B, Dec. 1996**
 METHOD: EPA 8021B
 MATRIX: Aqueous
 DILUTION: 1

ANALYST: CCS - Las Vegas Division
 EXTRACTED: NA
 ANALYZED: 6/8/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Benzene	ND	2. µg/L
Toluene	ND	2. µg/L
Ethylbenzene	ND	2. µg/L
Total Xylenes	ND	2. µg/L

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
a,a,a-Trifluorotoluene	91	69 - 120

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: **BHP-12**
 DATE SAMPLED: 6/4/01
 NEL SAMPLE ID: P0106002-09

TEST: **BTEX by EPA SW846 Method 8021B, Dec. 1996**
 METHOD: EPA 8021B
 MATRIX: Aqueous
 DILUTION: 1

ANALYST: CCS - Las Vegas Division
 EXTRACTED: NA
 ANALYZED: 6/8/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Benzene	ND	2. µg/L
Toluene	ND	2. µg/L
Ethylbenzene	ND	2. µg/L
Total Xylenes	ND	2. µg/L

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
a,a,a-Trifluorotoluene	90	69 - 120

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: **BHP-4**
 DATE SAMPLED: 6/4/01
 NEL SAMPLE ID: P0106002-10

TEST: **BTEX by EPA SW846 Method 8021B, Dec. 1996**
 METHOD: EPA 8021B
 MATRIX: Aqueous
 DILUTION: 1

ANALYST: CCS - Las Vegas Division
 EXTRACTED: NA
 ANALYZED: 6/8/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Benzene	ND	2. µg/L
Toluene	ND	2. µg/L
Ethylbenzene	ND	2. µg/L
Total Xylenes	ND	2. µg/L

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
a,a,a-Trifluorotoluene	87	69 - 120

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: **BHP-7**
 DATE SAMPLED: 6/4/01
 NEL SAMPLE ID: P0106002-11

TEST: **BTEX by EPA SW846 Method 8021B, Dec. 1996**

METHOD: EPA 8021B
 MATRIX: Aqueous
 DILUTION: 1

ANALYST: CCS - Las Vegas Division
 EXTRACTED: NA
 ANALYZED: 6/8/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Benzene	ND	2. µg/L
Toluene	ND	2. µg/L
Ethylbenzene	ND	2. µg/L
Total Xylenes	ND	2. µg/L

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
a,a,a-Trifluorotoluene	94	69 - 120

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009

CLIENT ID: Method Blank
 DATE SAMPLED: NA
 NEL SAMPLE ID: 010608BTEx-BLK

TEST: BTEX by EPA SW846 Method 8021B, Dec. 1996
 METHOD: EPA 8021B
 MATRIX: Aqueous

ANALYST: CCS - Las Vegas Division
 EXTRACTED: NA
 ANALYZED: 6/8/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Benzene	ND	2. µg/L
Toluene	ND	2. µg/L
Ethylbenzene	ND	2. µg/L
Total Xylenes	ND	2. µg/L

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
a,a,a-Trifluorotoluene	97	69 - 120

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009

TEST: Total Extractable Petroleum Hydrocarbons by EPA Method 8015M, December 1996
METHOD: EPA 8015M
ORDER ID: P0106002

MATRIX: Aqueous

ANALYST: CCS - Las Vegas Division

CLIENT SAMPLE ID	SAMPLE DATE	NEL SAMPLE ID	RESULT mg/L	C.R.	Reporting Limit	Surrogate Recovery*	EXTRACTED	ANALYZED
BHP-11	6/4/01	P0106002-01	ND	ND	0.5 mg/L	88 %	6/6/01	6/7/01
BHP-8	6/4/01	P0106002-02	ND	ND	0.5 mg/L	77 %	6/6/01	6/7/01
BHP-2	6/4/01	P0106002-03	ND	ND	0.5 mg/L	86 %	6/6/01	6/7/01
BHP-6	6/4/01	P0106002-04	ND	ND	0.5 mg/L	76 %	6/6/01	6/7/01
BHP-3	6/4/01	P0106002-05	ND	ND	0.5 mg/L	69 %	6/6/01	6/7/01
BHP-10	6/4/01	P0106002-06	ND	ND	0.5 mg/L	74 %	6/6/01	6/7/01
BHP-9	6/4/01	P0106002-07	ND	ND	0.5 mg/L	75 %	6/6/01	6/7/01
BHP-5	6/4/01	P0106002-08	ND	ND	0.5 mg/L	73 %	6/6/01	6/7/01
BHP-12	6/4/01	P0106002-09	ND	ND	0.5 mg/L	82 %	6/6/01	6/7/01
BHP-4	6/4/01	P0106002-10	ND	ND	0.5 mg/L	76 %	6/6/01	6/7/01
BHP-7	6/4/01	P0106002-11	ND	ND	0.5 mg/L	71 %	6/6/01	6/7/01

C.R.: Carbon Range

QUALITY CONTROL DATA (Total for Diesel Range):

Sample ID	Result	Acceptable Range	Surrogate Recovery*	Sample Number
Blank, 010606TP -BLK	ND	< 0.5 mg/L	94 %	NA
LCS, 010606TPHW-LCS	78 %	53 - 91 %	85 %	NA
LCSD, 010606TPHW-LCSD	76 %	53 - 91 %	93 %	NA

* Surrogate used was Octacosane, acceptance limits 65-130%.

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009
 TEST: **Inorganic Non-Metals**
 MATRIX: Aqueous

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Nitrate, as N	010606NO3-LCS	100	94	94	90 - 110	
Nitrate, as N	010606NO3-LCSD	100	93	93	90 - 110	1.1
Nitrate, as N	P0106002-09-MS	5	5	100	80 - 120	

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009
 TEST: Inorganic Non-Metals
 MATRIX: Aqueous

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
7.00 Buffer	010606PH-LCS	7	6.99	100	99 - 101	
7.00 Buffer	010606PH-LCSD	7	6.99	100	99 - 101	0.

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
PROJECT ID: BHP-Florence/15942.009
PROJECT #: 15942.009
TEST: **Inorganic Non-Metals**
MATRIX: Aqueous

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Total Dissolved Solids	010606TDS-LCS	1000	965	97	80 - 120	

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009
 TEST: BTEX by EPA SW846 Method 8021B, Dec. 1996
 MATRIX: Aqueous

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Benzene	010608BTEX-LCS	50	43.283	87	85 - 115	
Benzene	010608BTEX-LCSD	50	42.752	86	80 - 120	1.2
Benzene	P0106002-01-MS	50	41.598	83	70 - 130	
Benzene	P0106002-01-MSD	50	42.583	85	70 - 130	2.3
Toluene	010608BTEX-LCS	50	44.851	90	85 - 115	
Toluene	010608BTEX-LCSD	50	44.055	88	80 - 120	1.8
Toluene	P0106002-01-MS	50	41.974	84	70 - 130	
Toluene	P0106002-01-MSD	50	43.964	88	70 - 130	4.6
Ethylbenzene	010608BTEX-LCS	50	44.847	90	85 - 115	
Ethylbenzene	010608BTEX-LCSD	50	45.615	91	80 - 120	1.7
Ethylbenzene	P0106002-01-MS	50	41.743	83	70 - 130	
Ethylbenzene	P0106002-01-MSD	50	43.613	87	70 - 130	4.4
Total Xylenes	010608BTEX-LCS	150	143.831	96	85 - 115	
Total Xylenes	010608BTEX-LCSD	150	142.304	95	80 - 120	1.1
Total Xylenes	P0106002-01-MS	150	133.638	89	70 - 130	
Total Xylenes	P0106002-01-MSD	150	137.999	92	70 - 130	3.2

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009
 TEST: Inorganic Non-Metals
 MATRIX: Aqueous

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Alkalinity, Total	010611ALK-LCS	125	124	99	90 - 110	
Alkalinity, Total	010611ALK-LCSD	125	123	98	90 - 110	0.8

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009
 TEST: Inorganic Non-Metals
 MATRIX: Aqueous

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Alkalinity, Total	010611ALK2-LCS	125	126	101	90 - 110	
Alkalinity, Total	010611ALK2-LCSD	125	128	102	90 - 110	1.6

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009
 TEST: Inorganic Non-Metals
 MATRIX: Aqueous

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Fluoride	010611F-LCS	2	2	100	84 - 109	
Fluoride	010611F-LCSD	2	2	100	84 - 109	0.
Fluoride	P0106002-01-MS	1	1.4	98	71 - 126	
Fluoride	P0106002-01-MSD	1	1.4	98	71 - 126	0.

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009
 TEST: **Inorganic Non-Metals**
 MATRIX: Aqueous

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Chloride	010612CL-LCS	100	106	106	90 - 110	
Chloride	010612CL-LCSD	100	105	105	90 - 110	0.9
Chloride	P0106002-01-MS	250	365	98	80 - 120	

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009
 TEST: **Metals**
 MATRIX: Aqueous

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Mercury	P06002-hG-LCS	0.005	0.00461	92	85 - 115	
Mercury	P0106002-01-MS	0.005	0.00435	87	70 - 130	
Mercury	P0106002-01-MSD	0.005	0.00548	110	70 - 130	23.

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009
 TEST: **Metals**
 MATRIX: Aqueous

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Mercury	P06002-Hg-11-LCS	0.005	0.00444	89	85 - 115	
Mercury	P0106002-11-MS	0.005	0.00438	88	70 - 130	
Mercury	P0106002-11-MSD	0.005	0.005	100	70 - 130	13.2

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009
 TEST: Metals
 MATRIX: Aqueous

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery	Acceptable Range	RPD
Aluminum	P6002-2-LCS	1	0.971	97	85 - 115	
Aluminum	P0106002-11-MS	1	3.12	82	75 - 125	
Aluminum	P0106002-11-MSD	1	3.12	82	75 - 125	0.
Barium	P6002-2-LCS	1	0.973	97	85 - 115	
Barium	P0106002-11-MS	1	0.951	93	75 - 125	
Barium	P0106002-11-MSD	1	0.952	93	75 - 125	0.1
Beryllium	P6002-2-LCS	0.1	0.0978	98	85 - 115	
Beryllium	P0106002-11-MS	0.1	0.092	92	75 - 125	
Beryllium	P0106002-11-MSD	0.1	0.0933	93	75 - 125	188.4
Cadmium	P6002-2-LCS	0.5	0.483	97	85 - 115	
Cadmium	P0106002-11-MS	0.5	0.494	99	75 - 125	
Cadmium	P0106002-11-MSD	0.5	0.498	100	75 - 125	0.8
Calcium	P6002-2-LCS	20	19.5	98	85 - 115	
Calcium	P0106002-11-MS	20	94.9	75	75 - 125	
Calcium	P0106002-11-MSD	20	98.6	93	75 - 125	22.1
Chromium	P6002-2-LCS	0.5	0.481	96	85 - 115	
Chromium	P0106002-11-MS	0.5	0.468	94	75 - 125	
Chromium	P0106002-11-MSD	0.5	0.475	95	75 - 125	1.5
Cobalt	P6002-2-LCS	0.5	0.496	99	85 - 115	
Cobalt	P0106002-11-MS	0.5	0.55	96	75 - 125	
Cobalt	P0106002-11-MSD	0.5	0.56	98	75 - 125	2.1
Copper	P6002-2-LCS	0.5	0.496	99	85 - 115	
Copper	P0106002-11-MS	0.5	13.5	-100 JL	75 - 125	
Copper	P0106002-11-MSD	0.5	13.6	-80	75 - 125	-22.2
Iron	P6002-2-LCS	1	0.984	98	85 - 115	
Iron	P0106002-11-MS	1	0.976	98	75 - 125	
Iron	P0106002-11-MSD	1	1	100	75 - 125	2.4
Magnesium	P6002-2-LCS	20	19.7	99	85 - 115	
Magnesium	P0106002-11-MS	20	40.1	96	75 - 125	
Magnesium	P0106002-11-MSD	20	41.6	103	75 - 125	7.6
Manganese	P6002-2-LCS	0.5	0.494	99	85 - 115	
Manganese	P0106002-11-MS	0.5	1.28	84	75 - 125	
Manganese	P0106002-11-MSD	0.5	1.3	88	75 - 125	4.7
Molybdenum	P6002-2-LCS	0.1	0.0954	95	85 - 115	
Molybdenum	P0106002-11-MS	0.1	0.0979	98	75 - 125	
Molybdenum	P0106002-11-MSD	0.1	0.0986	99	75 - 125	0.7
Nickel	P6002-2-LCS	1	0.987	99	85 - 115	
Nickel	P0106002-11-MS	1	1.04	96	75 - 125	

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009
 TEST: Metals
 MATRIX: Aqueous

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Nickel	P0106002-11-MSD	1	1.06	98	75 - 125	2.1
Potassium	P6002-2-LCS	20	19.3	97	85 - 115	
Potassium	P0106002-11-MS	20	24.2	91	75 - 125	
Potassium	P0106002-11-MSD	20	24.7	94	75 - 125	2.7
Silver	P6002-2-LCS	0.5	0.437	87	85 - 115	
Silver	P0106002-11-MS	0.5	0.42	84	75 - 125	1.
Silver	P0106002-11-MSD	0.5	0.423	85	75 - 125	-202.8
Sodium	P6002-2-LCS	20	20.4	102	85 - 115	
Sodium	P0106002-11-MS	20	77.2	76	75 - 125	
Sodium	P0106002-11-MSD	20	76.3	72	75 - 125	6.1
Zinc	P6002-2-LCS	0.5	0.485	97	85 - 115	
Zinc	P0106002-11-MS	0.5	0.585	98	75 - 125	
Zinc	P0106002-11-MSD	0.5	0.589	98	75 - 125	0.8

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009
 TEST: Metals
 MATRIX: Aqueous

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Aluminum	P6002I-LCS	1	0.956	96	85 - 115	
Aluminum	P0106002-01-MS	1	0.98	98	75 - 125	
Aluminum	P0106002-01-MSD	1	0.987	99	75 - 125	0.7
Barium	P6002I-LCS	1	0.96	96	85 - 115	
Barium	P0106002-01-MS	1	0.984	96	75 - 125	
Barium	P0106002-01-MSD	1	0.995	98	75 - 125	1.1
Beryllium	P6002I-LCS	0.1	0.0958	96	85 - 115	
Beryllium	P0106002-01-MS	0.1	0.0963	96	75 - 125	
Beryllium	P0106002-01-MSD	0.1	0.0969	97	75 - 125	0.6
Cadmium	P6002I-LCS	0.5	0.48	96	85 - 115	
Cadmium	P0106002-01-MS	0.5	0.482	96	75 - 125	
Cadmium	P0106002-01-MSD	0.5	0.488	98	75 - 125	1.2
Calcium	P6002I-LCS	20	19.3	97	85 - 115	
Calcium	P0106002-01-MS	20	82.6	83	75 - 125	
Calcium	P0106002-01-MSD	20	82.9	85	75 - 125	1.8
Chromium	P6002I-LCS	0.5	0.476	95	85 - 115	
Chromium	P0106002-01-MS	0.5	0.477	95	75 - 125	
Chromium	P0106002-01-MSD	0.5	0.48	96	75 - 125	0.6
Cobalt	P6002I-LCS	0.5	0.488	98	85 - 115	
Cobalt	P0106002-01-MS	0.5	0.481	96	75 - 125	
Cobalt	P0106002-01-MSD	0.5	0.483	97	75 - 125	0.4
Copper	P6002I-LCS	0.5	0.486	97	85 - 115	
Copper	P0106002-01-MS	0.5	0.582	94	75 - 125	
Copper	P0106002-01-MSD	0.5	0.586	95	75 - 125	0.8
Iron	P6002I-LCS	1	0.97	97	85 - 115	
Iron	P0106002-01-MS	1	0.993	99	75 - 125	
Iron	P0106002-01-MSD	1	0.998	100	75 - 125	0.5
Magnesium	P6002I-LCS	20	19.5	98	85 - 115	
Magnesium	P0106002-01-MS	20	32.8	94	75 - 125	
Magnesium	P0106002-01-MSD	20	32.9	95	75 - 125	0.5
Manganese	P6002I-LCS	0.5	0.486	97	85 - 115	
Manganese	P0106002-01-MS	0.5	0.485	97	75 - 125	
Manganese	P0106002-01-MSD	0.5	0.489	98	75 - 125	0.8
Molybdenum	P6002I-LCS	0.1	0.094	94	85 - 115	
Molybdenum	P0106002-01-MS	0.1	0.0966	97	75 - 125	
Molybdenum	P0106002-01-MSD	0.1	0.0971	97	75 - 125	0.5
Nickel	P6002I-LCS	1	0.976	98	85 - 115	
Nickel	P0106002-01-MS	1	0.954	95	75 - 125	

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009
 TEST: **Metals**
 MATRIX: Aqueous

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Nickel	P0106002-01-MSD	1	0.96	96	75 - 125	0.6
Potassium	P6002I-LCS	20	19.3	97	85 - 115	
Potassium	P0106002-01-MS	20	23.5	97	75 - 125	
Potassium	P0106002-01-MSD	20	23.6	98	75 - 125	0.5
Silver	P6002I-LCS	0.5	0.451	90	85 - 115	
Silver	P0106002-01-MS	0.5	0.451	90	75 - 125	
Silver	P0106002-01-MSD	0.5	0.455	91	75 - 125	0.9
Sodium	P6002I-LCS	20	18.2	91	85 - 115	
Sodium	P0106002-01-MS	20	91.1	91	75 - 125	
Sodium	P0106002-01-MSD	20	91.8	94	75 - 125	3.8
Zinc	P6002I-LCS	0.5	0.487	97	85 - 115	
Zinc	P0106002-01-MS	0.5	0.508	102	75 - 125	
Zinc	P0106002-01-MSD	0.5	0.512	102	75 - 125	0.8

ND - Not Detected

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NEL LABORATORIES

CLIENT: Brown & Caldwell
 PROJECT ID: BHP-Florence/15942.009
 PROJECT #: 15942.009
 TEST: Metals
 MATRIX: Aqueous

PARAMETER	NEL Sample ID	<u>Spike</u>	<u>Spike</u>	<u>Percent</u>	<u>Acceptable</u>	RPD
		<u>Amount</u>	<u>Result</u>	<u>Recovery</u>	<u>Range</u>	
Antimony	P6002M-LCS	0.005	0.00478	96	85 - 115	
Antimony	P0106002-01-MS	0.005	0.00449	90	75 - 125	
Antimony	P0106002-01-MSD	0.005	0.0045	90	75 - 125	0.2
Arsenic	P6002M-LCS	0.01	0.0107	107	85 - 115	
Arsenic	P0106002-01-MS	0.01	0.012	106	75 - 125	
Arsenic	P0106002-01-MSD	0.01	0.0127	113	75 - 125	6.4
Lead	P6002M-LCS	0.005	0.00513	103	85 - 115	
Lead	P0106002-01-MS	0.005	0.00477	95	75 - 125	
Lead	P0106002-01-MSD	0.005	0.00485	97	75 - 125	1.7
Selenium	P6002M-LCS	0.01	0.011	110	85 - 115	
Selenium	P0106002-01-MS	0.01	0.0115	115	75 - 125	
Selenium	P0106002-01-MSD	0.01	0.0119	119	75 - 125	3.4
Thallium	P6002M-LCS	0.005	0.00539	108	85 - 115	
Thallium	P0106002-01-MS	0.005	0.00489	98	75 - 125	
Thallium	P0106002-01-MSD	0.005	0.00439	88	75 - 125	10.8

ND - Not Detected

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CHAIN OF CUSTODY

NEL Work Order:

10106002

LV ~~Reno~~ Lead

Company: Brown and Caldwell Attention: Bob Sylvester
 Address: 3636 N Central Ave Suite 200
Phoenix AZ 85012
 Phone Number: 602 222 4476 Fax Number: 602 222 4466
 Billing Address: BHP Accounts Payable 7400 N Oracle Expected Due Date:
RD Suite 200 Tucson AZ 85704 6/11/01
 Requested Turnaround: ☒ 5-day ☐ 2-day ☐ 1-day ☐ Other

Project Name: BHP - Florence Project Number: 19942.009
 Purchase Order Number: 34015943 Sampled By: B. Sylvester

Time/Date Sampled	Customer Sample Identification	N.E.L. Identification	# of Containers	Matrix (Box #1)	Preservative (Box #2)	Analysis	Remarks
6-4-01 0800	BHP-11	01	1	B	B	✓	
↓	↓	01	3	B	E	✓ ✓	
0800	BHP-11	01	3	A	A	✓	
0820	BHP-8	02	1	B	B	✓	
↓	↓	02	3	B	E	✓ ✓	
0820	BHP-8	02	3	A	A	✓	
0840	BHP-2	03	1	B	B	✓	
↓	↓	03	3	B	E	✓ ✓	
6-4-01 0840	BHP-2	03	3	A	A	✓	

Custody Seal intact? Y N None Temp 20°
 Condition when received good

Box #1
 DW - Drinking Water
 WW - Waste Water
 OL - Oil/Organic Liquid
 SD - Solid
 AQ - Aqueous
 A - Air

Box #2
 A. HCl
 B. HNO₃
 C. H₂SO₄
 D. NaOH
 E. Ice Only
 F. Other
 G. Not Preserved

Relinquished by (Print)	(Signature)	Date/Time	Received by (Print)	(Signature)	Date/Time
1 Barbara Sylvester	<i>Barbara Sylvester</i>	6-4-01 1615	Ephraim Morris	<i>Ephraim Morris</i>	6-4-01 1615
2					
3					

The liability of NEL Laboratories Inc. is limited strictly to the price of sample analysis for those samples received in good condition by NEL. NEL is not responsible for loss, damage, resampling costs and/or qualified data related to samples not received in good condition, including adequate sample volume and number of containers. Customer signature of this CoC constitutes a purchase order for NEL to perform work and constitutes acceptance of all NEL Standard Terms and Conditions. Signature also constitutes acceptance of NEL Standard List Prices for all services ordered here on, except those specified otherwise via an NEL Quotation for Testing Services in effect at the time of sample receipt. NEL turnaround times are measured in regular working days. Samples received at the laboratory after 16:30 will be considered received on the next working day. Commitment of laboratory to the requested turnaround time will be confirmed via Sample Confirmation transmitted to the fax number provided above.

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702-657-1010 • Fax: 702-657-1577 • 888-368-3282

Company: Brown and Caldwell Attention: Barb Sylvester
Address: 3636 N Central Ave Suite 200
Phoenix AZ 85012
Phone Number: 602 222 4476 Fax Number: 602 222 4466
Billing Address: BHP Accounts Payable 7400 N Oracle Expected Due Date: 6/11/01
RD Suite 200 Tucson AZ 85704
Requested Turnaround: ☒ 5-day ☐ 2-day ☐ 1-day ☐ Other

CHAIN OF CUSTODY

NEL Work Order: P0106002

Project Name: BHP-Florence Project Number: 15942.009
Purchase Order Number: 34019742 Sampled By: B. Sylvester

Time/Date Sampled	Customer Sample Identification	N.E.L. Identification	# of Containers	Matrix (Box #1)	Preservative (Box #2)	Analysis	Remarks
6-4-01 0920	BHP-6	04	1	B	✓	Metals (G-10 Filtered)	
↓	↓	04	3	E	✓	ANION'S	
0920	BHP-6	05 04	3	A	✓	TPH-D	
0940	BHP-3	05	1	B	✓	BTEX	
↓	↓	05	3	E	✓		
0940	BHP-3	05	3	A	✓		
1020	BHP-10	06	1	B	✓		
↓	↓	06	3	E	✓		
6-4-01 1020	BHP-10	06	3	A	✓		

Custody Seal intact? Y N None Temp 20°
Condition when received good

Box #1 DW - Drinking Water SD - Solid
WW - Waste Water AQ - Aqueous
OL - Oil/Organic Liquid A - Air

Box #2 A. HCl E. Ice Only
B. HNO₃ F. Other
C. H₂SO₄ G. Not Preserved
D. NaOH

Relinquished by (Print)	(Signature)	Date/Time	Received by (Print)	(Signature)	Date/Time
1 Barbara Sylvester	<i>[Signature]</i>	6-4-01 1615	Ephraim Morris	<i>[Signature]</i>	6-4-01 1615
2					
3					

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602-437-0099 • Fax: 602-437-2225 • 888-238-2514

CHAIN OF CUSTODY

NEL Work Order: P0106002

Company: Brown and Caldwell Attention: Barb Sylvester
Address: 3636 N Central Ave Suite 200
Phoenix AZ 85012
Phone Number: 602 222 4476 Fax Number: 602 222 4466
Billing Address: BHP Accounts Payable 7400 N Oracle Expected Due Date: 6/11/01
RD Site 200 Tucson AZ 85704
Requested Turnaround: ☒ 5-day ☐ 2-day ☐ 1-day ☐ Other

Project Name: BHD - Florence Project Number: 19442.009
Purchase Order Number: 34016742 Sampled By: B. Sylvester

Time/Date Sampled	Customer Sample Identification	N.E.L. Identification	# of Containers	Matrix (Box #1)	Preservative (Box #2)	Analysis	Remarks
6-4-01 1100	BHP-9	07	1	B	✓	Metals (Field Filtered)	
↓	↓	07	3	E	✓	Aspens	
1100	BHP-9	07	3	A	✓	TPH-D	
1130	BHP-5	08	1	B	✓	BTEX	
↓	↓	08	3	E	✓		
1130	BHP-5	08	3	A	✓		
1200	BHP-12	09	1	B	✓		
↓	↓	09	3	E	✓		
6-4-01 1200	BHP-12	09	3	A	✓		

Custody Seal intact? ☒ Y ☒ N None Temp 20°
Condition when received good

Box #1 DW - Drinking Water SD - Solid
WW - Waste Water AQ - Aqueous
OL - Oil/Organic Liquid A - Air

Box #2 A. HCl E. Ice Only
B. HNO₃ F. Other
C. H₂SO₄ G. Not Preserved
D. NaOH

Relinquished by (Print)	(Signature)	Date/Time	Received by (Print)	(Signature)	Date/Time
1 Barbara Sylvester	<i>[Signature]</i>	6-4-01 1615	Ephraim Morris	<i>[Signature]</i>	6-4-01 1615
2					
3					

The liability of NEL Laboratories Inc. is limited strictly to the price of sample analysis for those samples received in good condition by NEL. NEL is not responsible for loss, damage, resampling costs and/or qualified data related to samples not received in good condition, including adequate sample volume and number of containers. Customer signature of this CoC constitutes a purchase order for NEL to perform work and constitutes acceptance of all NEL Standard Terms and Conditions. Signature also constitutes acceptance of NEL Standard List Prices for all services ordered here on, except those specified otherwise via an NEL Quotation for Testing Services in effect at the time of sample receipt. NEL turnaround times are measured in regular working days. Samples received at the laboratory after 16:30 will be considered received on the next working day. Commitment of laboratory to the requested turnaround time will be confirmed via Sample Confirmation transmitted to the fax number provided above.

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Phoenix Division • 3201 So. 35th Street, Suite B6 • Phoenix, Arizona 85034
602-437-0099 • Fax: 602-437-2225 • 888-238-2514

Company: Brown and Caldwell Attention: Barb Sylvester
Address: 3636 N Central Ave Suite 200
Phoenix AZ 85018
Phone Number: 602 222 4476 Fax Number: 602 222 4466
Billing Address: BHP Accounts Payable 7400 N Oracle Expected Due Date:
RD Suite 200 Tucson, AZ 85704 6/11/01
Requested Turnaround: ☒ 5-day ☐ 2-day ☐ 1-day ☐ Other



Time/Date Sampled	Customer Sample Identification	N.E.L. Identification
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[illegible]

Custody Seal intact? Y N None Temp. 200
Condition when received good

Box #1	DW - Drinking Water	SD - Solid
	WW - Waste Water	AQ - Aqueous
	OL - Oil/Organic Liquid	A - Air

Box #2 A. HCl E. Ice Only
 B. HNO_3 F. Other _____
 C. H_2SO_4 G. Not Preserved
 D. NaOH

Relinquished by (Print)		(Signature)	Date/Time	Received by (Print)		(Signature)	Date/Time
1	Barbara Sylvester		6-4-01 1615	Ephraim Morris		6-4-01 1615	
2							
3							

The liability of NEL Laboratories Inc. is limited strictly to the price of sample analysis for those samples received in good condition by NEL. NEL is not responsible for loss, damage, resampling costs and/or qualified data related to samples not received in good condition, including adequate sample volume and number of containers. Customer signature of this CoC constitutes a purchase order for NEL to perform work and constitutes acceptance of all NEL Standard Terms and Conditions. Signature also constitutes acceptance of NEL Standard List Prices for all services ordered here on, except those specified otherwise via an NEL Quotation for Testing Services in effect at the time of sample receipt. NEL turnaround times are measured in regular working days. Samples received at the laboratory after 16:30 will be considered received on the next working day. Commitment of laboratory to the requested turnaround time will be confirmed via Sample Confirmation transmitted to the fax number provided above.

ORIGINAL

CHAIN OF CUSTODY

NEL Work Order: 10106002

Project Name: BHP - Florence	Project Number: 15942.009
Purchase Order Number: 34015742	Sampled By: B. Sylvester

Analysis

# of Containers	Matrix (Box #1)	Preservative (Box #2)
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Analysis

Mechanism (Field Filtered)
Anions
TPH-D
BTCV

Remarks

 $\frac{4}{2}$