



Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

December 20, 2007

Mr. James Kessler
HEPACO
2711 Burch Dr.
Charlotte, NC 28269

RE: Project: IMACO 7420039
Pace Project No.: 929954

Dear Mr. Kessler:

Enclosed are the analytical results for sample(s) received by the laboratory on December 14, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 12

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CERTIFICATIONS

Project: IMACO 7420039
Pace Project No.: 929954

Charlotte Certification IDs

North Carolina Drinking Water Certification Number: 37706
North Carolina Wastewater Certification Number: 12
North Carolina Field Services Certification Number: 5342
South Carolina Certification Number: 990060001
South Carolina Bioassay Certification Number: 990060003

Tennessee Certification Number: 04010
Virginia Certification Number: 00213
Florida/NELAP Certification Number: E87627
Kansas Certification Number: E-10364
Louisiana/LELAP Certification Number: 04034

Asheville Certification IDs

Florida/NELAP Certification Number: E87648
Louisiana/LELAP Certification Number: 03095
New Jersey Certification Number: NC011
North Carolina Drinking Water Certification Number: 37712
North Carolina Wastewater Certification Number: 40
North Carolina Bioassay Certification Number: 9

Pennsylvania Certification Number: 68-03578
South Carolina Certification Number: 99030001
South Carolina Bioassay Certification Number: 99030002
Tennessee Certification Number: 2980
Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738
Virginia Drinking Water Certification Number: 00424

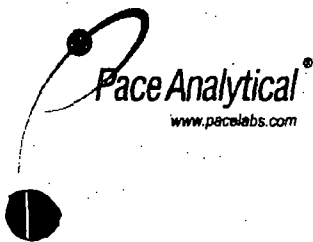
North Carolina Wastewater Certification Number: 633

REPORT OF LABORATORY ANALYSIS

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Asheville, NC 28804
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9800 Kinney Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: IMACO 7420039
Pace Project No.: 929954

Lab ID	Sample ID	Matrix	Date Collected	Date Received
929954001	IMA-CS-STOCKPILE #5	Solid	12/13/07 14:25	12/14/07 16:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: IMACO 7420039

Pace Project No.: 929954

Lab ID	Sample ID	Method	Analytes Reported
929954001	IMA-CS-STOCKPILE #5	ASTM D2974-87	1
		EPA 6010	7
		EPA 6010	1
		EPA 7470	1
		EPA 9045	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: IMACO 7420039
Pace Project No.: 929954

Sample: IMA-CS-STOCKPILE #5 **Lab ID:** 929954001 **Collected:** 12/13/07 14:25 **Received:** 12/14/07 16:15 **Matrix:** Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	9020	mg/kg	36.8	50	12/17/07 18:50	12/19/07 14:23	7439-92-1	
6010 MET ICP, TCLP Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	0.027	mg/L	0.025	1	12/18/07 15:35	12/20/07 13:37	7440-38-2	
Barium	0.038	mg/L	0.025	1	12/18/07 15:35	12/20/07 13:37	7440-39-3	
Cadmium	0.026	mg/L	0.0050	1	12/18/07 15:35	12/20/07 13:37	7440-43-9	
Chromium	ND	mg/L	0.025	1	12/18/07 15:35	12/20/07 13:37	7440-47-3	
Lead	0.88	mg/L	0.025	1	12/18/07 15:35	12/20/07 13:37	7439-92-1	
Selenium	ND	mg/L	0.050	1	12/18/07 15:35	12/20/07 13:37	7782-49-2	
Silver	ND	mg/L	0.025	1	12/18/07 15:35	12/20/07 13:37	7440-22-4	
7470 Mercury, TCLP Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	1	12/19/07 09:47	12/19/07 13:07	7439-97-6	
Percent Moisture Analytical Method: ASTM D2974-87								
Percent Moisture	15.2	%	0.10	1		12/17/07 15:11		
9045 pH Soil Analytical Method: EPA 9045								
pH at 25 Degrees C	5.4	Std. Units	0.10	1		12/18/07 18:15		

QUALITY CONTROL DATA

Project: IMACO 7420039

Pace Project No.: 929954

QC Batch: PMST/1326

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 929954001

SAMPLE DUPLICATE: 54509

Parameter	Units	929948006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.9	17.3	2	25	

QUALITY CONTROL DATA

Project: IMACO 7420039

Pace Project No.: 929954

QC Batch: MPRP/1627

Analysis Method: EPA 6010

QC Batch Method: EPA 3050

Analysis Description: 6010 MET

Associated Lab Samples: 929954001

METHOD BLANK: 54525

Associated Lab Samples: 929954001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Lead	mg/kg	ND	0.50	

LABORATORY CONTROL SAMPLE: 54526

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	53.2	106	80-120	

MATRIX SPIKE SAMPLE: 54527

Parameter	Units	929759004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	72.9	66.5	104	46	75-125	M3

SAMPLE DUPLICATE: 54528

Parameter	Units	929759005 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	mg/kg	18.0	14.9	19	20	

QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 929954

QC Batch: WET/2434	Analysis Method: EPA 9045
QC Batch Method: EPA 9045	Analysis Description: 9045 pH
Associated Lab Samples: 929954001	

SAMPLE DUPLICATE: 54998

Parameter	Units	929954001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	5.4	5.4	0	20	

QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 929954

QC Batch: MPRP/1636 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
Associated Lab Samples: 929954001

METHOD BLANK: 55068

Associated Lab Samples: 929954001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	mg/L	ND	0.025	
Barium	mg/L	ND	0.025	
Cadmium	mg/L	ND	0.0050	
Chromium	mg/L	ND	0.025	
Lead	mg/L	ND	0.025	
Selenium	mg/L	ND	0.050	
Silver	mg/L	ND	0.025	

LABORATORY CONTROL SAMPLE: 55069

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.6	103	80-120	
Barium	mg/L	2.5	2.2	87	80-120	
Cadmium	mg/L	2.5	2.4	97	80-120	
Chromium	mg/L	2.5	2.4	95	80-120	
Lead	mg/L	2.5	2.3	93	80-120	
Selenium	mg/L	2.5	2.6	105	80-120	
Silver	mg/L	1.2	1.0	84	80-120	

MATRIX SPIKE SAMPLE: 55070

Parameter	Units	929954001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.027	2.5	2.5	100	75-125	
Barium	mg/L	0.038	2.5	2.1	84	75-125	
Cadmium	mg/L	0.026	2.5	2.3	93	75-125	
Chromium	mg/L	ND	2.5	2.3	93	75-125	
Lead	mg/L	0.88	2.5	3.0	87	75-125	
Selenium	mg/L	ND	2.5	2.3	95	75-125	
Silver	mg/L	ND	1.2	1.0	81	75-125	

SAMPLE DUPLICATE: 55071

Parameter	Units	929872001 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	mg/L	ND	ND		20	
Barium	mg/L	0.42	0.41	2	20	
Cadmium	mg/L	ND	ND		20	
Chromium	mg/L	ND	ND		20	
Lead	mg/L	ND	ND		20	

e: 12/20/2007 04:15 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: IMACO 7420039

Pace Project No.: 929954

SAMPLE DUPLICATE: 55071

Parameter	Units	929872001 Result	Dup Result	RPD	Max RPD	Qualifiers
Selenium	mg/L	ND	ND		20	
Silver	mg/L	ND	ND		20	

QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 929954

QC Batch: MERP/1239 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 929954001

METHOD BLANK: 55134

Associated Lab Samples: 929954001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 55135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.4	98	80-120	

MATRIX SPIKE SAMPLE: 55136

Parameter	Units	929954001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.4	95	75-125	

SAMPLE DUPLICATE: 55137

Parameter	Units	929872001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND	56	20	

QUALIFIERS

Project: IMACO 7420039

Pace Project No.: 929954

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: / of /
1126812

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: <u>NK HOLDINGS</u>		Report To: <u>HEPALCO, INC.</u>		Attention: <u>ACCTS PAYABLE</u>	
Address:		Copy To:		Company Name: <u>HEPALCO, INC.</u>	
Email To: <u>J. KESLER@HEPALCO.COM</u>		Purchase Order No.: <u>4000555</u>		Address: <u>PO Box 26308</u>	
Phone: <u>704-444-2112</u> Fax: <u>704-598-7224</u>		Project Name: <u>JNACO</u>		Pace Quote Reference: <u>Charlotte, NC 28221</u>	
Requested Due Date/TAT: <u>48 HOURS</u>		Project Number: <u>7420059</u>		Pace Project Manager:	
				Pace Profile #: <u>1825-1</u>	
				REGULATORY AGENCY	
				<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input checked="" type="checkbox"/> RCRA <input type="checkbox"/> OTHER	
				Site Location	
				STATE: <u>NC</u>	

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test ↓	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Anthony Graham	12/14/07		C. Wellen	12/14/07	16:15	240 y ~ y
<div> <div> <div>SAMPLER NAME AND SIGNATURE</div> <div>PRINT Name of SAMPLER: <u>Anthony Graham</u></div> <div>SIGNATURE of SAMPLER: <u>[Signature]</u></div> </div> <div> <div>DATE Signed (MM/DD/YY): <u>12/1/07</u></div> </div> </div>							
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)				



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January 02, 2008

Mr. James Kessler
HEPACO
2711 Burch Dr.
Charlotte, NC 28269

RE: Project: IMACO 7420039
Pace Project No.: 9210455

Dear Mr. Kessler:

Enclosed are the analytical results for sample(s) received by the laboratory on December 21, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 11

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CERTIFICATIONS

Project: IMACO 7420039
Pace Project No.: 9210455

Charlotte Certification IDs

North Carolina Drinking Water Certification Number: 37706
North Carolina Wastewater Certification Number: 12
North Carolina Field Services Certification Number: 5342
South Carolina Certification Number: 990060001
South Carolina Bioassay Certification Number: 990060003

Tennessee Certification Number: 04010
Virginia Certification Number: 00213
Florida/NELAP Certification Number: E87627
Kansas Certification Number: E-10364
Louisiana/LELAP Certification Number: 04034

Asheville Certification IDs

Florida/NELAP Certification Number: E87648
Louisiana/LELAP Certification Number: 03095
New Jersey Certification Number: NC011
North Carolina Drinking Water Certification Number: 37712
North Carolina Wastewater Certification Number: 40
North Carolina Bioassay Certification Number: 9

Pennsylvania Certification Number: 68-03578
South Carolina Certification Number: 99030001
South Carolina Bioassay Certification Number: 99030002
Tennessee Certification Number: 2980
Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738
Virginia Drinking Water Certification Number: 00424

North Carolina Wastewater Certification Number: 633

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: IMACO 7420039
Pace Project No.: 9210455

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9210455001	IMA-CS-STOCKPILE 6A	Solid	12/21/07 11:30	12/21/07 15:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: IMACO 7420039
Pace Project No.: 9210455

Lab ID	Sample ID	Method	Analytes Reported
9210455001	IMA-CS-STOCKPILE 6A	ASTM D2974-87	1
		EPA 6010	7
		EPA 7470	1
		EPA 9045	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: IMACO 7420039
Pace Project No.: 9210455

Sample: IMA-CS-STOCKPILE 6A Lab ID: 9210455001 Collected: 12/21/07 11:30 Received: 12/21/07 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	0.061	mg/L	0.025	1	01/01/08 12:30	01/01/08 16:31	7440-38-2	
Barium	ND	mg/L	0.025	1	01/01/08 12:30	01/01/08 16:31	7440-39-3	
Cadmium	0.018	mg/L	0.0050	1	01/01/08 12:30	01/01/08 16:31	7440-43-9	
Chromium	ND	mg/L	0.025	1	01/01/08 12:30	01/01/08 16:31	7440-47-3	
Lead	0.19	mg/L	0.025	1	01/01/08 12:30	01/01/08 16:31	7439-92-1	
Selenium	ND	mg/L	0.050	1	01/01/08 12:30	01/01/08 16:31	7782-49-2	
Silver	ND	mg/L	0.025	1	01/01/08 12:30	01/01/08 16:31	7440-22-4	
7470 Mercury, TCLP								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	1	01/02/08 11:35	01/02/08 16:17	7439-97-6	D3
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	18.9	%	0.10	1		12/26/07 16:11		
9045 pH Soil								
Analytical Method: EPA 9045								
pH at 25 Degrees C	4.9	Std. Units	0.10	1		12/26/07 16:15		

QUALITY CONTROL DATA

Project: IMACO 7420039

Pace Project No.: 9210455

QC Batch: PMST/1343

Analysis Method: ASTM D2974-87

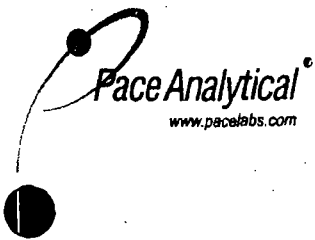
QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 9210455001

SAMPLE DUPLICATE: 57886

Parameter	Units	9210454005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.6	19.3	7	25	



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QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 9210455

QC Batch: WET/2521 Analysis Method: EPA 9045
QC Batch Method: EPA 9045 Analysis Description: 9045 pH
Associated Lab Samples: 9210455001

SAMPLE DUPLICATE: 58126

Parameter	Units	9210228001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.6	6.7	.3	20	



QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 9210455

QC Batch: MPRP/1688 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
Associated Lab Samples: 9210455001

METHOD BLANK: 59535

Associated Lab Samples: 9210455001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	mg/L	ND	0.025	
Barium	mg/L	ND	0.025	
Cadmium	mg/L	ND	0.0050	
Chromium	mg/L	ND	0.025	
Lead	mg/L	ND	0.025	
Selenium	mg/L	ND	0.050	
Silver	mg/L	ND	0.025	

LABORATORY CONTROL SAMPLE: 59536

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.7	107	80-120	
Barium	mg/L	2.5	2.2	89	80-120	
Cadmium	mg/L	2.5	2.5	99	80-120	
Chromium	mg/L	2.5	2.4	97	80-120	
Lead	mg/L	2.5	2.3	94	80-120	
Selenium	mg/L	2.5	2.8	111	80-120	
Silver	mg/L	1.2	1.2	100	80-120	

MATRIX SPIKE SAMPLE: 59537

Parameter	Units	9210455001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.061	2.5	2.5	99	75-125	
Barium	mg/L	ND	2.5	2.1	83	75-125	
Cadmium	mg/L	0.018	2.5	2.3	91	75-125	
Chromium	mg/L	ND	2.5	2.2	89	75-125	
Lead	mg/L	0.19	2.5	2.4	87	75-125	
Selenium	mg/L	ND	2.5	2.4	95	75-125	
Silver	mg/L	ND	1.2	1.2	93	75-125	

SAMPLE DUPLICATE: 59538

Parameter	Units	9210450026 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	mg/L	ND	ND		20	
Barium	mg/L	0.027	0.027	2	20	
Cadmium	mg/L	ND	ND		20	
Chromium	mg/L	ND	ND		20	
Lead	mg/L	ND	.022J	6	20	

Date: 01/02/2008 05:05 PM

REPORT OF LABORATORY ANALYSIS

Page 8 of 11

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QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 9210455

SAMPLE DUPLICATE: 59538

Parameter	Units	9210450026 Result	Dup Result	RPD	Max RPD	Qualifiers
Selenium	mg/L	ND	ND	127	20	
Silver	mg/L	ND	.00084J	18	20	

QUALITY CONTROL DATA

Project: IMACO 7420039

Pace Project No.: 9210455

QC Batch: MERP/1256

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury TCLP

Associated Lab Samples: 9210455001

METHOD BLANK: 59572

Associated Lab Samples: 9210455001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 59573

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.6	102	80-120	

MATRIX SPIKE SAMPLE: 59574

Parameter	Units	9210455001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.6	107	75-125	

SAMPLE DUPLICATE: 59575

Parameter	Units	9210450026 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND		20	

QUALIFIERS

Project: IMACO 7420039
Pace Project No.: 9210455

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate).

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1
1126814

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: <u>NK Holdings</u>		Report To: <u>Hepaco Inc</u>		Attention: <u>Accts payable</u>	
Address:		Copy To:		Company Name: <u>Hepaco Inc</u>	
Email: <u>B.Kramer@hepaco.com</u>		Purchase Order No.: <u>4000555</u>		Address: <u>P.O. Box 26300</u>	
Phone: <u>704 494 2112</u> Fax: <u>540 922 9</u>		Project Name: <u>Imaco</u>		Pace Quota Reference: <u>Charlotte NC 28221</u>	
Requested Due Date/TAT: <u>72 hr</u>		Project Number: <u>7420039</u>		Pace Project Manager:	
				Pace Profile #: <u>1825-1</u>	
REGULATORY AGENCY					
<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input checked="" type="checkbox"/> RCRA <input type="checkbox"/> OTHER _____					
Site Location:				STATE: _____	

Section D Required Client Information		Matrix Codes MATRIX / CODE		COLLECTED				PRESERVATIVES		REQUESTED ANALYSIS FILTERED (Y/N)		
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Matrix Code (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COMPOSITE START		COMPOSITE END/GRAB		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Analysis Test ↓		
				DATE	TIME	DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃
1	IMA-C5-Stockpile			12/21	11:00	12/21	11:30	40.2	2	TC	PH	
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<u>[Signature]</u>	12/21/07	15:15	<u>[Signature]</u>	12/21/07	15:15	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	SIGNATURE of SAMPLER:				
	<u>[Signature]</u>				
	DATE Signed (MM/DD/YY): <u>12/21/07</u>				

November 20, 2007

Mr. James Kessler
HEPACO
2711 Burch Dr.
Charlotte, NC 28269

RE: Project: IMACO TCLP
Pace Project No.: 928191

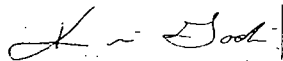
Dear Mr. Kessler:

Enclosed are the analytical results for sample(s) received by the laboratory on November 12, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 11

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CERTIFICATIONS

Project: IMACO TCLP
Pace Project No.: 928191

Charlotte Certification IDs

Florida/NELAP Certification Number: E87627
Kansas Certification Number: E-10364
Louisiana/LELAP Certification Number: 04034
North Carolina Drinking Water Certification Number: 37706
North Carolina Wastewater Certification Number: 12

North Carolina Field Services Certification Number: 5342
South Carolina Certification Number: 990060001
South Carolina Bioassay Certification Number: 990060003
Tennessee Certification Number: 04010
Virginia Certification Number: 00213

Asheville Certification IDs

Florida/NELAP Certification Number: E87648
Louisiana/LELAP Certification Number: 03095
New Jersey Certification Number: NC011
North Carolina Drinking Water Certification Number: 37712
North Carolina Wastewater Certification Number: 40
North Carolina Bioassay Certification Number: 9

Pennsylvania Certification Number: 68-03578
South Carolina Certification Number: 99030001
South Carolina Bioassay Certification Number: 99030002
Tennessee Certification Number: 2980
Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738
Virginia Drinking Water Certification Number: 00424

North Carolina Wastewater Certification Number: 633

REPORT OF LABORATORY ANALYSIS

Page 2 of 11

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SAMPLE SUMMARY

Project: IMACO, TCLP
Pace Project No.: 928191

Lab ID	Sample ID	Matrix	Date Collected	Date Received
927621023	IMA-CS-TREATED STOCKPILE	Solid	11/09/07 10:30	11/12/07 16:30

REPORT OF LABORATORY ANALYSIS

Page 3 of 11

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SAMPLE ANALYTE COUNT

Project: IMACO TCLP
Pace Project No.: 928191

Lab ID	Sample ID	Method	Analytes Reported
927621023	IMA-CS-TREATED STOCKPILE	ASTM D2974-87	1
		EPA 6010	7
		EPA 7470	1
		EPA 9045	1

REPORT OF LABORATORY ANALYSIS

Page 4 of 11

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ANALYTICAL RESULTS

Project: IMACO TCLP
Pace Project No.: 928191

Sample: **IMA-CS-TREATED STOCKPILE** Lab ID: **927621023** Collected: 11/09/07 10:30 Received: 11/12/07 16:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	0.028	mg/L	0.025	1	11/15/07 20:30	11/18/07 18:10	7440-38-2	
Barium	0.034	mg/L	0.025	1	11/15/07 20:30	11/18/07 18:10	7440-39-3	
Cadmium	0.0096	mg/L	0.0050	1	11/15/07 20:30	11/18/07 18:10	7440-43-9	
Chromium	ND	mg/L	0.025	1	11/15/07 20:30	11/18/07 18:10	7440-47-3	
Lead	0.073	mg/L	0.025	1	11/15/07 20:30	11/18/07 18:10	7439-92-1	
Selenium	ND	mg/L	0.050	1	11/15/07 20:30	11/18/07 18:10	7782-49-2	
Silver	ND	mg/L	0.025	1	11/15/07 20:30	11/18/07 18:10	7440-22-4	
7470 Mercury, TCLP								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	1	11/19/07 11:13	11/19/07 12:21	7439-97-6	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	15.5	%	0.10	1		11/13/07 15:16		
9045 pH Soil								
Analytical Method: EPA 9045								
pH at 25 Degrees C	5.3	Std. Units	0.10	1		11/15/07 10:05		

QUALITY CONTROL DATA

Project: IMACO TCLP
Pace Project No.: 928191

QC Batch:	PMST/1217	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	927621023		

SAMPLE DUPLICATE: 40143

Parameter	Units	927502001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.5	9.3	2	25	

QUALITY CONTROL DATA

Project: IMACO TCLP
Pace Project No.: 928191

QC Batch:	WET/2098	Analysis Method:	EPA 9045
QC Batch Method:	EPA 9045	Analysis Description:	9045 pH
Associated Lab Samples:	927621023		

SAMPLE DUPLICATE: 41638

Parameter	Units	927694001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.7	6.7	.1	20	

QUALITY CONTROL DATA

Project: IMACO TCLP
Pace Project No.: 928191

QC Batch: MERP/1166 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 927621023

METHOD BLANK: 42047

Associated Lab Samples: 927621023

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 42048

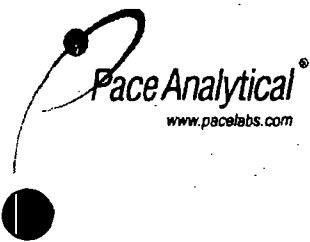
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.4	96	80-120	

MATRIX SPIKE SAMPLE: 42049

Parameter	Units	927330002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	1.9	69	75-125	M0

SAMPLE DUPLICATE: 42050

Parameter	Units	927621023 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND	0	20	



Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: IMACO TCLP
Pace Project No.: 928191

QC Batch:	MPRP/1471	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET TCLP
Associated Lab Samples:	927621023		

METHOD BLANK: 42198
Associated Lab Samples: 927621023

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	mg/L	ND	0.025	
Barium	mg/L	ND	0.025	
Cadmium	mg/L	ND	0.0050	
Chromium	mg/L	ND	0.025	
Lead	mg/L	ND	0.025	
Selenium	mg/L	ND	0.050	
Silver	mg/L	ND	0.025	

LABORATORY CONTROL SAMPLE: 42199

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.6	104	80-120	
Barium	mg/L	2.5	2.5	99	80-120	
Cadmium	mg/L	2.5	2.6	103	80-120	
Chromium	mg/L	2.5	2.6	103	80-120	
Lead	mg/L	2.5	2.6	103	80-120	
Selenium	mg/L	2.5	2.5	102	80-120	
Silver	mg/L	1.2	1.2	98	80-120	

MATRIX SPIKE SAMPLE: 42200

Parameter	Units	927330002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.13	2.5	2.0	77	75-125	
Barium	mg/L	2.8	2.5	3.9	44	75-125	M1
Cadmium	mg/L	ND	2.5	1.8	73	75-125	M1
Chromium	mg/L	ND	2.5	2.1	82	75-125	
Lead	mg/L	ND	2.5	1.6	65	75-125	M1
Selenium	mg/L	0.17	2.5	2.1	77	75-125	
Silver	mg/L	ND	1.2	0.90	72	75-125	M1

SAMPLE DUPLICATE: 42201

Parameter	Units	927212002 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	mg/L	1.1	1.1	.5	20	
Barium	mg/L	0.59	0.59	0	20	
Cadmium	mg/L	0.011	0.011	2	20	
Chromium	mg/L	ND	.0038J	28	20	
Lead	mg/L	0.026	.023J	11	20	

11/20/2007 11:29 AM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: IMACO TCLP

Pace Project No.: 928191

SAMPLE DUPLICATE: 42201

Parameter	Units	927212002 Result	Dup Result	RPD	Max RPD	Qualifiers
Selenium	mg/L	ND	.036J	18	20	
Silver	mg/L	ND	.0011J	3	20	

QUALIFIERS

Project: IMACO TCLP
Pace Project No.: 928191

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

M0 Matrix spike recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: <u>1</u> of <u>3</u>	
Company: <u>IVK HOLDINGS</u>		Report To: <u>HEPALCO, INC.</u>		Attention: <u>ACCTS PAYABLE</u>		1126627	
Address:		Copy To:		Company Name: <u>HEPALCO, INC.</u>			
Email To: <u>JKESSIER@HEPALCO.COM</u>		Purchase Order No.: <u>4000555</u>		Address: <u>PO Box 26308</u>		REGULATORY AGENCY	
Phone: <u>704-494-2112</u> Fax: <u>704-598-9224</u>		Project Name: <u>IMACO</u>		Pace Quote Reference: <u>CHARLOTTE, NC</u>			
Requested Due Date/TAT:		Project Number: <u>7420039</u>		Pace Project Manager: <u>28221</u>		<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input checked="" type="checkbox"/> RCRA <input type="checkbox"/> OTHER _____	
				Pace Profile #: <u>F025-1,3</u>		Site Location: _____ STATE: <u>NC</u>	

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.	
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other					
					DATE	TIME	DATE	TIME															
1	IMA-CS-NA-96	SLC	11/7/07	1024	11/7/07	1034	52	1	✓														927621001
2	IMA-CS-NS-016	SLC	11/7/07	1255	11/7/07	1305	52	1	✓														002
3	IMA-CS-NI-016	SLC	11/6/07	1425	11/6/07	1435	52	1	✓														003
4	IMA-CS-OS-012	SLC	11/7/07	1410	11/7/07	1420	52	1	✓														004
5	IMA-CS-HH-012	SLC	11/8/07	1300	11/8/07	1310	52	1	✓														005
6	IMA-CS-KIG-96	SLC	11/8/07	0915	11/8/07	0925	52	1	✓														006
7	IMA-CS-KID-DUP	SLC	11/8/07	0915	11/8/07	0925	52	1	✓														007
8	IMA-CS-MID-016	SLC	11/8/07	1005	11/8/07	1015	52	1	✓														008
9	IMA-CS-NII-016	SLC	11/8/07	1145	11/8/07	1145	53	1	✓														009
10	IMA-CS-MII-96	SLC	11/8/07	1120	11/8/07	1130	53	1	✓														010
11	IMA-RB	SLC	11/8/07	1350	11/8/07	1350	53	1	✓														011
12	IMA-CS-T12-12/18	SLC	11/9/07	1315	11/9/07	1325	44	1	✓														012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	<u>J. Hall</u>	11/14/07	16:30	<u>C. Welles</u>	11/14/07	16:30				
				<u>Under Water</u>	11/12/07	16:30	92	yes	no	yes

ORIGINAL

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <u>Anthony Graham</u>	SIGNATURE of SAMPLER: <u>Anthony Graham</u>				
DATE Signed (MM/DD/YY): <u>11/12/07</u>					

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: **2** of **3**
1126628

Section A

Required Client Information:

Company: **NK HOLDINGS**
Address:
Email To: **JKESSLER@HEPALCO.COM**
Phone: **704-494-2112** Fax: **704-598-9224**
Requested Due Date/TAT:

Section B

Required Project Information:

Report To: **HEPALCO, INC.**
Copy To:
Purchase Order No.: **4000555**
Project Name: **ENALCO**
Project Number: **7420039**

Section C

Invoice Information:

Attention: **ACCOUNTS PAYABLE**
Company Name: **HEPALCO, INC.**
Address: **PO BOX 26308**
Pace Quote Reference: **CHARLOTTE**
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location

STATE:

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB, C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		Analysis Test ↓	TOTAL Length	bols																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	<i>[Signature]</i>	11/12/07	1630	<i>[Signature]</i>	11/12/07	1630	9.2	yes	no	yes

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: *Anthony Graham*

SIGNATURE of SAMPLER: *[Signature]*

DATE Signed (MM/DD/YY): *11/12/07*

Temp in °C
Received on Ice (Y/N)
Custody Sealed Cooler (Y/N)
Samples Intact (Y/N)

December 11, 2007

Mr. James Kessler
HEPACO
2711 Burch Dr.
Charlotte, NC 28269

RE: Project: IMACO STOCKPILE / 7420039
Pace Project No.: 929371

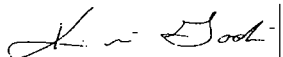
Dear Mr. Kessler:

Enclosed are the analytical results for sample(s) received by the laboratory on December 06, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 11

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CERTIFICATIONS

Project: IMACO STOCKPILE / 7420039
Pace Project No.: 929371

Charlotte Certification IDs

North Carolina Drinking Water Certification Number: 37706
North Carolina Wastewater Certification Number: 12
North Carolina Field Services Certification Number: 5342
South Carolina Certification Number: 990060001
South Carolina Bioassay Certification Number: 990060003

Tennessee Certification Number: 04010
Virginia Certification Number: 00213
Florida/NELAP Certification Number: E87627
Kansas Certification Number: E-10364
Louisiana/LELAP Certification Number: 04034

Asheville Certification IDs

Florida/NELAP Certification Number: E87648
Louisiana/LELAP Certification Number: 03095
New Jersey Certification Number: NC011
North Carolina Drinking Water Certification Number: 37712
North Carolina Wastewater Certification Number: 40
North Carolina Bioassay Certification Number: 9

Pennsylvania Certification Number: 68-03578
South Carolina Certification Number: 99030001
South Carolina Bioassay Certification Number: 99030002
Tennessee Certification Number: 2980
Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738
Virginia Drinking Water Certification Number: 00424

North Carolina Wastewater Certification Number: 633

REPORT OF LABORATORY ANALYSIS

Page 2 of 11

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Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: IMACO STOCKPILE / 7420039
Pace Project No.: 929371

Lab ID	Sample ID	Matrix	Date Collected	Date Received
929371001	IMA-CS-TREATED STOCK PILE #4	Solid	12/04/07 14:25	12/06/07 16:37

REPORT OF LABORATORY ANALYSIS

Page 3 of 11

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SAMPLE ANALYTE COUNT

Project: IMACO STOCKPILE / 7420039
Pace Project No.: 929371

Lab ID	Sample ID	Method	Analytes Reported
929371001	IMA-CS-TREATED STOCK PILE #4	ASTM D2974-87	1
		EPA 6010	7
		EPA 7470	1
		EPA 9045	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: IMACO STOCKPILE / 7420039
Pace Project No.: 929371

Sample: IMA-CS-TREATED STOCK Lab ID: 929371001 Collected: 12/04/07 14:25 Received: 12/06/07 16:37 Matrix: Solid
PILE #4

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	0.052	mg/L	0.025	1	12/10/07 08:00	12/10/07 17:41	7440-38-2	
Barium	0.025	mg/L	0.025	1	12/10/07 08:00	12/10/07 17:41	7440-39-3	
Cadmium	0.050	mg/L	0.0050	1	12/10/07 08:00	12/10/07 17:41	7440-43-9	
Chromium	ND	mg/L	0.025	1	12/10/07 08:00	12/10/07 17:41	7440-47-3	
Lead	0.56	mg/L	0.025	1	12/10/07 08:00	12/10/07 17:41	7439-92-1	
Selenium	ND	mg/L	0.050	1	12/10/07 08:00	12/10/07 17:41	7782-49-2	
Silver	ND	mg/L	0.025	1	12/10/07 08:00	12/10/07 17:41	7440-22-4	
7470 Mercury, TCLP								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	1	12/11/07 08:34	12/11/07 13:43	7439-97-6	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	14.3	%	0.10	1		12/07/07 13:56		
9045 pH Soil								
Analytical Method: EPA 9045								
pH at 25 Degrees C	4.6	Std. Units	0.10	1		12/07/07 16:25		

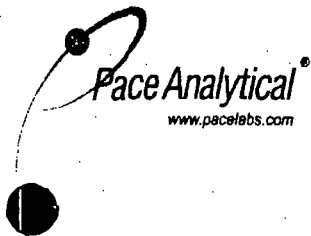
QUALITY CONTROL DATA

Project: IMACO STOCKPILE / 7420039
Pace Project No.: 929371

QC Batch:	PMST/1296	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	929371001		

SAMPLE DUPLICATE: 50568

Parameter	Units	929285003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.1	11.9	24	25	



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QUALITY CONTROL DATA

Project: IMACO STOCKPILE / 7420039
Pace Project No.: 929371

QC Batch: WET/2338 Analysis Method: EPA 9045
QC Batch Method: EPA 9045 Analysis Description: 9045 pH
Associated Lab Samples: 929371001

SAMPLE DUPLICATE: 50880

Parameter	Units	929371001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	4.6	4.6	4	20	



QUALITY CONTROL DATA

Project: IMACO STOCKPILE / 7420039
Pace Project No.: 929371

QC Batch:	MERP/1219	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury TCLP
Associated Lab Samples:	929371001		

METHOD BLANK: 51356

Associated Lab Samples: 929371001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 51357

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.7	109	80-120	

MATRIX SPIKE SAMPLE: 51358

Parameter	Units	929371001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	ND	0	75-125	M0

SAMPLE DUPLICATE: 51359

Parameter	Units	928911001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	.19J	71	20	



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QUALITY CONTROL DATA

Project: IMACO STOCKPILE / 7420039
Pace Project No.: 929371

QC Batch: MPRP/1601 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
Associated Lab Samples: 929371001

METHOD BLANK: 51368

Associated Lab Samples: 929371001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	mg/L	ND	0.025	
Barium	mg/L	ND	0.025	
Cadmium	mg/L	ND	0.0050	
Chromium	mg/L	ND	0.025	
Lead	mg/L	ND	0.025	
Selenium	mg/L	ND	0.050	
Silver	mg/L	ND	0.025	

LABORATORY CONTROL SAMPLE: 51369

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.3	94	80-120	
Barium	mg/L	2.5	2.0	82	80-120	
Cadmium	mg/L	2.5	2.2	88	80-120	
Chromium	mg/L	2.5	2.2	88	80-120	
Lead	mg/L	2.5	2.1	84	80-120	
Selenium	mg/L	2.5	2.4	95	80-120	
Silver	mg/L	1.2	1.1	88	80-120	

MATRIX SPIKE SAMPLE: 51370

Parameter	Units	929371001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.052	2.5	2.5	99	75-125	
Barium	mg/L	0.025	2.5	2.2	87	75-125	
Cadmium	mg/L	0.050	2.5	2.3	91	75-125	
Chromium	mg/L	ND	2.5	2.3	93	75-125	
Lead	mg/L	0.56	2.5	2.7	88	75-125	
Selenium	mg/L	ND	2.5	2.3	92	75-125	
Silver	mg/L	ND	1.2	1.2	92	75-125	

SAMPLE DUPLICATE: 51371

Parameter	Units	929117001 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	mg/L	ND	ND	70	20	
Barium	mg/L	34.2 ug/L	0.040	15	20	
Cadmium	mg/L	ND	ND	10	20	
Chromium	mg/L	ND	ND		20	
Lead	mg/L	ND	ND		20	

re: 12/11/2007 03:32 PM

REPORT OF LABORATORY ANALYSIS

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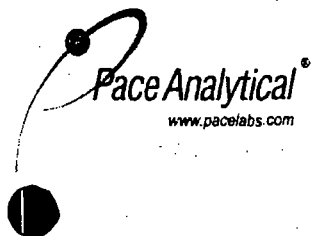


QUALITY CONTROL DATA

Project: IMACO STOCKPILE / 7420039
Pace Project No.: 929371

SAMPLE DUPLICATE: 51371

Parameter	Units	929117001 Result	Dup Result	RPD	Max RPD	Qualifiers
Selenium	mg/L	ND	ND		20	
Silver	mg/L	ND	ND		20	



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QUALIFIERS

Project: IMACO STOCKPILE / 7420039
Pace Project No.: 929371

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

M0 Matrix spike recovery was outside laboratory control limits.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A

Required Client Information:

Company: **NK HOLDINGS**
Address:
Email To: **JKESSLER@HEPACO.COM**
Phone: **704-494-2112** Fax: **704-598-9224**
Requested Due Date/TAT: **48 HRS TAT**

Section B

Required Project Information:

Report To: **HEPACO, INC**
Copy To:
Purchase Order No.: **4000555**
Project Name: **IMACO**
Project Number: **7420034**

Section C

Invoice Information:

Attention: **ACCT 3 PAYABLE**
Company Name: **HEPACO, INC**
Address: **PO BOX 26308**
Pace Quote Reference: **Charlotte, NC**
Pace Project Manager: **28221**
Pace Profile #: **1825-2, 1**

Page: **1** of **1**

1126811

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☒ RCRA ☐ OTHER

Site Location

STATE: **NC**

72 HRS TAT - STOCKPILE #4

Requested Analysis Filtered (Y/N)

929371

ITEM #	Section D Required Client Information		Matrix Codes MATRIX / CODE		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test ↓ Y/N	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE						COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	ANTHONY GRAHAM	12/6/07	1637	ANTHONY GRAHAM	12/6/07	1637	AS

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: **ANTHONY GRAHAM**

SIGNATURE of SAMPLER: **Anthony Graham**

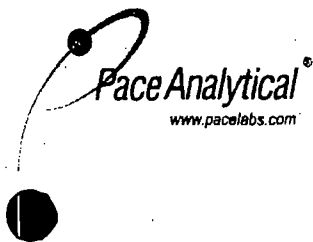
DATE Signed (MM/DD/YY): **12/6/07**

Temp in °C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)



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December 05, 2007

Mr. James Kessler
HEPACO
2711 Burch Dr.
Charlotte, NC 28269

RE: Project: IMACO 7420039
Pace Project No.: 928954

Dear Mr. Kessler:

Enclosed are the analytical results for sample(s) received by the laboratory on November 30, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 9

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CERTIFICATIONS

Project: IMACO 7420039
Pace Project No.: 928954

Charlotte Certification IDs

North Carolina Drinking Water Certification Number: 37706
North Carolina Wastewater Certification Number: 12
North Carolina Field Services Certification Number: 5342
South Carolina Certification Number: 990060001
South Carolina Bioassay Certification Number: 990060003

Tennessee Certification Number: 04010
Virginia Certification Number: 00213
Florida/NELAP Certification Number: E87627
Kansas Certification Number: E-10364
Louisiana/LELAP Certification Number: 04034

Asheville Certification IDs

Florida/NELAP Certification Number: E87648
Louisiana/LELAP Certification Number: 03095
New Jersey Certification Number: NC011
North Carolina Drinking Water Certification Number: 37712
North Carolina Wastewater Certification Number: 40
North Carolina Bioassay Certification Number: 9

Pennsylvania Certification Number: 68-03578
South Carolina Certification Number: 99030001
South Carolina Bioassay Certification Number: 99030002
Tennessee Certification Number: 2980
Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738
Virginia Drinking Water Certification Number: 00424

North Carolina Wastewater Certification Number: 633

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SAMPLE SUMMARY

Project: IMACO 7420039
Pace Project No.: 928954

Lab ID	Sample ID	Matrix	Date Collected	Date Received
928954001	IMA-CS-TREATED STOCKPILE #3	Solid	11/28/07 15:10	11/30/07 17:50

REPORT OF LABORATORY ANALYSIS

Page 3 of 9

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SAMPLE ANALYTE COUNT

Project: IMACO 7420039
Pace Project No.: 928954

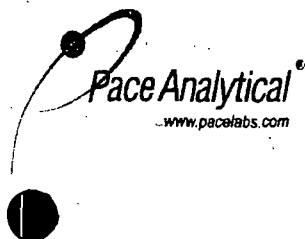
Lab ID	Sample ID	Method	Analytes Reported
928954001	IMA-CS-TREATED STOCKPILE #3	EPA 6010	7
		EPA 7470	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: IMACO 7420039
Pace Project No.: 928954

Sample: IMA-CS-TREATED STOCKPILE #3 Lab ID: 928954001 Collected: 11/28/07 15:10 Received: 11/30/07 17:50 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	0.052	mg/L	0.025	1	12/05/07 11:30	12/05/07 16:07	7440-38-2	
Barium	0.026	mg/L	0.025	1	12/05/07 11:30	12/05/07 16:07	7440-39-3	
Cadmium	0.018	mg/L	0.0050	1	12/05/07 11:30	12/05/07 16:07	7440-43-9	
Chromium	ND	mg/L	0.025	1	12/05/07 11:30	12/05/07 16:07	7440-47-3	
Lead	0.11	mg/L	0.025	1	12/05/07 11:30	12/05/07 16:07	7439-92-1	
Selenium	ND	mg/L	0.050	1	12/05/07 11:30	12/05/07 16:07	7782-49-2	
Silver	ND	mg/L	0.025	1	12/05/07 11:30	12/05/07 16:07	7440-22-4	
7470 Mercury, TCLP Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	1	12/05/07 08:49	12/05/07 13:25	7439-97-6	

Printed: 12/05/2007 04:28 PM

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QUALITY CONTROL DATA

Project: IMACO 7420039

Pace Project No.: 928954

QC Batch: MERP/1208

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury TCLP

Associated Lab Samples: 928954001

METHOD BLANK: 48820

Associated Lab Samples: 928954001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 48821

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.5	102	80-120	

MATRIX SPIKE SAMPLE: 48823

Parameter	Units	928837001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.6	99	75-125	

SAMPLE DUPLICATE: 48822

Parameter	Units	928837001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	13J	5	20	

QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 928954

QC Batch: MPRP/1571 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
Associated Lab Samples: 928954001

METHOD BLANK: 49211

Associated Lab Samples: 928954001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	mg/L	ND	0.025	
Barium	mg/L	ND	0.025	
Cadmium	mg/L	ND	0.0050	
Chromium	mg/L	ND	0.025	
Lead	mg/L	ND	0.025	
Selenium	mg/L	ND	0.050	
Silver	mg/L	ND	0.025	

LABORATORY CONTROL SAMPLE: 49212

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.7	108	80-120	
Barium	mg/L	2.5	2.2	88	80-120	
Cadmium	mg/L	2.5	2.5	100	80-120	
Chromium	mg/L	2.5	2.4	97	80-120	
Lead	mg/L	2.5	2.4	94	80-120	
Selenium	mg/L	2.5	2.7	109	80-120	
Silver	mg/L	1.2	1.2	98	80-120	

MATRIX SPIKE SAMPLE: 49213

Parameter	Units	928226001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	ND	2.5	2.5	100	75-125	
Barium	mg/L	0.41	2.5	2.6	86	75-125	
Cadmium	mg/L	ND	2.5	2.5	99	75-125	
Chromium	mg/L	2.8	2.5	5.2	97	75-125	
Lead	mg/L	0.14	2.5	2.5	94	75-125	
Selenium	mg/L	ND	2.5	2.4	97	75-125	
Silver	mg/L	ND	1.2	1.2	94	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 49307

49308

Parameter	Units	928837001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Arsenic	mg/L	ND	2.5	2.5	2.6	2.6	106	103	75-125	3	20
Barium	mg/L	0.056	2.5	2.5	2.2	2.1	85	83	75-125	3	20
Cadmium	mg/L	ND	2.5	2.5	2.4	2.4	97	95	75-125	3	20
Chromium	mg/L	ND	2.5	2.5	2.4	2.3	95	93	75-125	3	20

12/05/2007 04:28 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: IMACO 7420039

Pace Project No.: 928954

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 49307 49308											
Parameter	Units	928837001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Lead	mg/L	ND	2.5	2.5	2.3	2.2	93	90	75-125	3	20
Selenium	mg/L	ND	2.5	2.5	2.6	2.6	106	103	75-125	3	20
Silver	mg/L	ND	1.2	1.2	1.2	1.2	96	93	75-125	3	20

SAMPLE DUPLICATE: 49214

Parameter	Units	928954001 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	mg/L	0.052	0.057	8	20	
Barium	mg/L	0.026	0.028	9	20	
Cadmium	mg/L	0.018	0.020	10	20	
Chromium	mg/L	ND	0.026J	2	20	
Lead	mg/L	0.11	0.12	10	20	
Selenium	mg/L	ND	ND		20	
Silver	mg/L	ND	ND		20	

QUALIFIERS

Project: IMACO 7420039
Pace Project No.: 928954

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

Section A

Required Client Information:

Section B

Required Project Information:

Section C

Invoice Information:

Company: NK HOLDINGS	Report To: HEPALCO, INC	Invoice Information: Attention: ACCTS PAYABLE	1126640	
Address:	Copy To:	Company Name: HEPALCO, INC.	REGULATORY AGENCY	
		Address: PO BOX 26308	<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER	
Email To: JKESSLER@HEPALCO.COM	Purchase Order No.: 4000555	Pace Quote Reference: Charlotte, NC	<input type="checkbox"/> UST <input checked="" type="checkbox"/> RCRA <input type="checkbox"/> OTHER _____	
Phone: 264-494-2112 Fax: 704-598-9224	Project Name: IMALCO	Pace Project Manager:	Site Location	
Requested Due Date/TAT: 72HRS, RUSH	Project Number: 7420039	Pace Profile #: 1825-1	STATE: NC	

TAI

[illegible]

ORIGINAL

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Anthony Graham</i>	SIGNATURE of SAMPLER: <i>Anthony Graham</i>				
DATE Signed (MM/DD/YY): <i>11/30/07</i>					



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December 20, 2007

Mr. James Kessler
HEPACO
2711 Burch Dr.
Charlotte, NC 28269

RE: Project: IMACO 7420039
Pace Project No.: 9210006

Dear Mr. Kessler:

Enclosed are the analytical results for sample(s) received by the laboratory on December 17, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: IMACO 7420039

Pace Project No.: 9210006

Charlotte Certification IDs

North Carolina Drinking Water Certification Number: 37706

North Carolina Wastewater Certification Number: 12

North Carolina Field Services Certification Number: 5342

South Carolina Certification Number: 990060001

South Carolina Bioassay Certification Number: 990060003

Tennessee Certification Number: 04010

Virginia Certification Number: 00213

Florida/NELAP Certification Number: E87627

Kansas Certification Number: E-10364

Louisiana/LELAP Certification Number: 04034

Asheville Certification IDs

Florida/NELAP Certification Number: E87648

Louisiana/LELAP Certification Number: 03095

New Jersey Certification Number: NC011

North Carolina Drinking Water Certification Number: 37712

North Carolina Wastewater Certification Number: 40

North Carolina Bioassay Certification Number: 9

Pennsylvania Certification Number: 68-03578

South Carolina Certification Number: 99030001

South Carolina Bioassay Certification Number: 99030002

Tennessee Certification Number: 2980

Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738

Virginia Drinking Water Certification Number: 00424

North Carolina Wastewater Certification Number: 633

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: IMACO 7420039
Pace Project No.: 9210006

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9210006001	IMA-CS-STOCKPILE #6	Solid	12/17/07 11:40	12/17/07 14:43

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: IMACO 7420039
Pace Project No.: 9210006

Lab ID	Sample ID	Method	Analytes Reported
9210006001	IMA-CS-STOCKPILE #6	ASTM D2974-87	1
		EPA 6010	7
		EPA 7470	1
		EPA 9045	1

REPORT OF LABORATORY ANALYSIS

Page 4 of 11

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ANALYTICAL RESULTS

Project: IMACO 7420039
Pace Project No.: 9210006

Sample: IMA-CS-STOCKPILE #6 Lab ID: 9210006001 Collected: 12/17/07 11:40 Received: 12/17/07 14:43 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	0.045	mg/L	0.025	1	12/19/07 19:55	12/20/07 12:21	7440-38-2	
Barium	0.13	mg/L	0.025	1	12/19/07 19:55	12/20/07 12:21	7440-39-3	
Cadmium	0.049	mg/L	0.0050	1	12/19/07 19:55	12/20/07 12:21	7440-43-9	
Chromium	ND	mg/L	0.025	1	12/19/07 19:55	12/20/07 12:21	7440-47-3	
Lead	5.0	mg/L	0.025	1	12/19/07 19:55	12/20/07 12:21	7439-92-1	
Selenium	ND	mg/L	0.050	1	12/19/07 19:55	12/20/07 12:21	7782-49-2	
Silver	ND	mg/L	0.025	1	12/19/07 19:55	12/20/07 12:21	7440-22-4	
7470 Mercury, TCLP Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	0.23	ug/L	0.20	1	12/20/07 08:05	12/20/07 14:38	7439-97-6	
Percent Moisture Analytical Method: ASTM D2974-87								
Percent Moisture	19.1	%	0.10	1		12/18/07 12:54		
9045 pH Soil Analytical Method: EPA 9045								
pH at 25 Degrees C	5.8	Std. Units	0.10	1		12/18/07 18:15		

QUALITY CONTROL DATA

Project: IMACO 7420039

Pace Project No.: 9210006

QC Batch: PMST/1330

Analysis Method: ASTM D2974-87

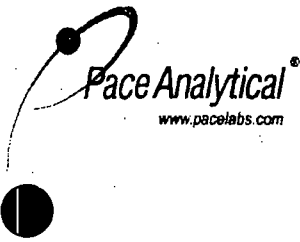
QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 9210006001

SAMPLE DUPLICATE: 54728

Parameter	Units	929936001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	98.5	98.5	.02	25	



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(704)875-9092

QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 9210006

QC Batch: WET/2434 Analysis Method: EPA 9045
QC Batch Method: EPA 9045 Analysis Description: 9045 pH
Associated Lab Samples: 9210006001

SAMPLE DUPLICATE: 54998

Parameter	Units	929954001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	5.4	5.4	0	20	

QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 9210006

QC Batch: MERP/1242	Analysis Method: EPA 7470
QC Batch Method: EPA 7470	Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 9210006001	

METHOD BLANK: 55762

Associated Lab Samples: 9210006001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 55763

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.7	107	80-120	

MATRIX SPIKE SAMPLE: 55764

Parameter	Units	9210006001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	0.23	2.5	3.0	111	75-125	

SAMPLE DUPLICATE: 55765

Parameter	Units	929789001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND		20	

QUALITY CONTROL DATA

Project: IMACO 7420039

Pace Project No.: 9210006

QC Batch: MPRP/1644

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET TCLP

Associated Lab Samples: 9210006001

METHOD BLANK: 55980

Associated Lab Samples: 9210006001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	mg/L	ND	0.025	
Barium	mg/L	ND	0.025	
Cadmium	mg/L	ND	0.0050	
Chromium	mg/L	ND	0.025	
Lead	mg/L	ND	0.025	
Selenium	mg/L	ND	0.050	
Silver	mg/L	ND	0.025	

LABORATORY CONTROL SAMPLE: 55981

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.8	110	80-120	
Barium	mg/L	2.5	2.6	105	80-120	
Cadmium	mg/L	2.5	2.6	104	80-120	
Chromium	mg/L	2.5	2.7	106	80-120	
Lead	mg/L	2.5	2.6	105	80-120	
Selenium	mg/L	2.5	2.8	110	80-120	
Silver	mg/L	1.2	1.1	91	80-120	

MATRIX SPIKE SAMPLE: 55982

Parameter	Units	9210006001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.045	2.5	2.6	102	75-125	
Barium	mg/L	0.13	2.5	2.6	97	75-125	
Cadmium	mg/L	0.049	2.5	2.5	97	75-125	
Chromium	mg/L	ND	2.5	2.5	99	75-125	
Lead	mg/L	5.0	2.5	7.2	88	75-125	
Selenium	mg/L	ND	2.5	2.6	102	75-125	
Silver	mg/L	ND	1.2	1.1	86	75-125	

SAMPLE DUPLICATE: 55983

Parameter	Units	929789001 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	mg/L	ND	0.017J	68	20	
Barium	mg/L	0.27	0.26	1	20	
Cadmium	mg/L	ND	ND		20	
Chromium	mg/L	ND	0.0037J	50	20	
Lead	mg/L	0.076	0.072	5	20	

te: 12/20/2007 05:03 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: IMACO 7420039

Pace Project No.: 9210006

SAMPLE DUPLICATE: 55983

Parameter	Units	929789001 Result	Dup Result	RPD	Max RPD	Qualifiers
Selenium	mg/L	ND	ND	164	20	
Silver	mg/L	ND	ND		20	

QUALIFIERS

Project: IMACO 7420039
Pace Project No.: 9210006

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

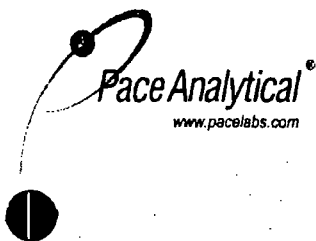
MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.



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(704)875-9092

November 20, 2007

Mr. James Kessler
HEPACO
2711 Burch Dr.
Charlotte, NC 28269

RE: Project: IMACO 7420039
Pace Project No.: 927124

Dear Mr. Kessler:

Enclosed are the analytical results for sample(s) received by the laboratory on November 06, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 30

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CERTIFICATIONS

Project: IMACO 7420039

Pace Project No.: 927124

Charlotte Certification IDs

Florida/NELAP Certification Number: E87627
Kansas Certification Number: E-10364
Louisiana/LELAP Certification Number: 04034
North Carolina Drinking Water Certification Number: 37706
North Carolina Wastewater Certification Number: 12

North Carolina Field Services Certification Number: 5342
South Carolina Certification Number: 990060001
South Carolina Bioassay Certification Number: 990060003
Tennessee Certification Number: 04010
Virginia Certification Number: 00213

Asheville Certification IDs

Florida/NELAP Certification Number: E87648
Louisiana/LELAP Certification Number: 03095
New Jersey Certification Number: NC011
North Carolina Drinking Water Certification Number: 37712
North Carolina Wastewater Certification Number: 40
North Carolina Bioassay Certification Number: 9

Pennsylvania Certification Number: 68-03578
South Carolina Certification Number: 99030001
South Carolina Bioassay Certification Number: 99030002
Tennessee Certification Number: 2980
Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738
Virginia Drinking Water Certification Number: 00424

North Carolina Wastewater Certification Number: 633

REPORT OF LABORATORY ANALYSIS

Page 2 of 30

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(704)875-9092

SAMPLE SUMMARY

Project: IMACO 7420039
Pace Project No.: 927124

Lab ID	Sample ID	Matrix	Date Collected	Date Received
927124001	IMA-TOPSOIL-01	Solid	11/06/07 10:05	11/06/07 12:40
927124002	IMA-FILLDIRT-01	Solid	11/06/07 10:20	11/06/07 12:40

REPORT OF LABORATORY ANALYSIS

Page 3 of 30

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SAMPLE ANALYTE COUNT

Project: IMACO 7420039
Pace Project No.: 927124

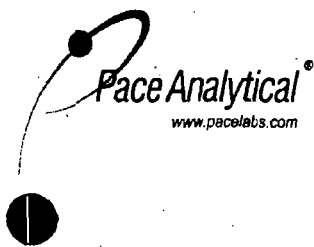
Lab ID	Sample ID	Method	Analytes Reported
927124001	IMA-TOPSOIL-01	EPA 6010	22
		EPA 7471	1
		EPA 8081	23
		EPA 8082	8
		EPA 8260	57
		EPA 8270	72
		SM 4500-CN-E	1
927124002	IMA-FILLDIRT-01	EPA 6010	22
		EPA 7471	1
		EPA 8081	23
		EPA 8082	8
		EPA 8260	57
		EPA 8270	72
		SM 4500-CN-E	1

REPORT OF LABORATORY ANALYSIS

Page 4 of 30

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ANALYTICAL RESULTS

Project: IMACO 7420039
Pace Project No.: 927124

Sample: IMA-TOPSOIL-01 Lab ID: 927124001 Collected: 11/06/07 10:05 Received: 11/06/07 12:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides Analytical Method: EPA 8081 Preparation Method: EPA 3545								
Aldrin	ND	ug/kg	1.0	1	11/14/07 00:00	11/15/07 22:30	309-00-2	
alpha-BHC	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:30	319-84-6	
beta-BHC	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:30	319-85-7	
delta-BHC	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:30	319-86-8	
gamma-BHC (Lindane)	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:30	58-89-9	
alpha-Chlordane	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:30	5103-71-9	
gamma-Chlordane	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:30	5103-74-2	
4,4'-DDD	4.8	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:30	72-54-8	
4,4'-DDE	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:30	72-55-9	
4,4'-DDT	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:30	50-29-3	
Dieldrin	ND	ug/kg	1.0	1	11/14/07 00:00	11/15/07 22:30	60-57-1	
Endosulfan I	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:30	959-98-8	
Endosulfan II	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:30	33213-65-9	
Endosulfan sulfate	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:30	1031-07-8	
Endrin	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:30	72-20-8	
Endrin aldehyde	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:30	7421-93-4	
Endrin ketone	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:30	53494-70-5	
Heptachlor	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:30	76-44-8	
Heptachlor epoxide	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:30	1024-57-3	
Methoxychlor	ND	ug/kg	7.0	1	11/14/07 00:00	11/15/07 22:30	72-43-5	
Toxaphene	ND	ug/kg	8.3	1	11/14/07 00:00	11/15/07 22:30	8001-35-2	
Tetrachloro-m-xylene (S)	8 %		20-120	1	11/14/07 00:00	11/15/07 22:30	877-09-8	1g
Decachlorobiphenyl (S)	46 %		20-141	1	11/14/07 00:00	11/15/07 22:30	2051-24-3	

8082 GCS PCB Analytical Method: EPA 8082 Preparation Method: EPA 3545								
PCB-1016 (Aroclor 1016)	ND	ug/kg	33.0	1	11/14/07 00:00	11/15/07 22:30	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	33.0	1	11/14/07 00:00	11/15/07 22:30	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	33.0	1	11/14/07 00:00	11/15/07 22:30	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	33.0	1	11/14/07 00:00	11/15/07 22:30	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	33.0	1	11/14/07 00:00	11/15/07 22:30	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	33.0	1	11/14/07 00:00	11/15/07 22:30	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	33.0	1	11/14/07 00:00	11/15/07 22:30	11096-82-5	
Decachlorobiphenyl (S)	46 %		10-128	1	11/14/07 00:00	11/15/07 22:30	2051-24-3	

6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Aluminum	10900	mg/kg	90.9	10	11/14/07 13:35	11/15/07 14:32	7429-90-5	
Antimony	ND	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:17	7440-36-0	
Arsenic	2.3	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:17	7440-38-2	
Barium	74.6	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:17	7440-39-3	
Beryllium	ND	mg/kg	0.091	1	11/14/07 13:35	11/15/07 00:17	7440-41-7	
Cadmium	0.29	mg/kg	0.091	1	11/14/07 13:35	11/15/07 00:17	7440-43-9	
Calcium	2170	mg/kg	9.1	1	11/14/07 13:35	11/15/07 00:17	7440-70-2	
Chromium	18.0	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:17	7440-47-3	
Cobalt	6.8	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:17	7440-48-4	
Copper	18.1	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:17	7440-50-8	

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ANALYTICAL RESULTS

Project: IMACO 7420039

Pace Project No.: 927124

Sample: IMA-TOPSOIL-01 Lab ID: 927124001 Collected: 11/06/07 10:05 Received: 11/06/07 12:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Iron	19600	mg/kg	45.5	10	11/14/07 13:35	11/15/07 14:32	7439-89-6	
Lead	19.5	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:17	7439-92-1	
Magnesium	1880	mg/kg	9.1	1	11/14/07 13:35	11/15/07 00:17	7439-95-4	
Manganese	302	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:17	7439-96-5	
Nickel	5.4	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:17	7440-02-0	
Potassium	2840	mg/kg	455	1	11/14/07 13:35	11/15/07 00:17	7440-09-7	
Selenium	ND	mg/kg	0.91	1	11/14/07 13:35	11/15/07 00:17	7782-49-2	
Silver	ND	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:17	7440-22-4	
Sodium	ND	mg/kg	455	1	11/14/07 13:35	11/15/07 00:17	7440-23-5	
Thallium	3.3	mg/kg	0.91	1	11/14/07 13:35	11/15/07 00:17	7440-28-0	
Vanadium	47.1	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:17	7440-62-2	
Zinc	43.2	mg/kg	0.91	1	11/14/07 13:35	11/15/07 00:17	7440-66-6	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	0.014	mg/kg	0.0054	1	11/15/07 15:15	11/19/07 12:50	7439-97-6	
8270 MSSV PFE Analytical Method: EPA 8270 Preparation Method: EPA 3545								
Acenaphthene	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	83-32-9	
Acenaphthylene	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	208-96-8	
Acetophenone	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	98-86-2	
Anthracene	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	120-12-7	
Atrazine	ND	ug/kg	660	1	11/08/07 00:00	11/12/07 23:52	1912-24-9	
Benzaldehyde	ND	ug/kg	660	1	11/08/07 00:00	11/12/07 23:52	100-52-7	
Benzo(a)anthracene	368	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	56-55-3	
Benzo(a)pyrene	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	50-32-8	
Benzo(b)fluoranthene	349	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	191-24-2	
Benzo(k)fluoranthene	435	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	207-08-9	
Biphenyl (Diphenyl)	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	101-55-3	
Butylbenzylphthalate	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	85-68-7	
Caprolactam	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	105-60-2	
Carbazole	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	660	1	11/08/07 00:00	11/12/07 23:52	59-50-7	
4-Chloroaniline	ND	ug/kg	1650	1	11/08/07 00:00	11/12/07 23:52	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	111-44-4	
2-Chloronaphthalene	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	91-58-7	
2-Chlorophenol	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	7005-72-3	
Chrysene	409	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	53-70-3	
Dibenzofuran	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1650	1	11/08/07 00:00	11/12/07 23:52	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	120-83-2	

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ANALYTICAL RESULTS

Project: IMACO 7420039

Pace Project No.: 927124

Sample: IMA-TOPSOIL-01 Lab ID: 927124001 Collected: 11/06/07 10:05 Received: 11/06/07 12:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PFE Analytical Method: EPA 8270 Preparation Method: EPA 3545								
Diethylphthalate	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	105-67-9	
Dimethylphthalate	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	131-11-3	
Di-n-butylphthalate	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	660	1	11/08/07 00:00	11/12/07 23:52	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1650	1	11/08/07 00:00	11/12/07 23:52	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	606-20-2	
Di-n-octylphthalate	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	117-81-7	
Fluoranthene	597	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	206-44-0	
Fluorene	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	87-68-3	
Hexachlorobenzene	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	77-47-4	
Hexachloroethane	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	193-39-5	
Phosphorane	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	78-59-1	
1-Methylnaphthalene	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52		
Naphthalene	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	91-20-3	
2-Nitroaniline	ND	ug/kg	1650	1	11/08/07 00:00	11/12/07 23:52	88-74-4	
3-Nitroaniline	ND	ug/kg	1650	1	11/08/07 00:00	11/12/07 23:52	99-09-2	
4-Nitroaniline	ND	ug/kg	660	1	11/08/07 00:00	11/12/07 23:52	100-01-6	
Nitrobenzene	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	98-95-3	
2-Nitrophenol	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	88-75-5	
4-Nitrophenol	ND	ug/kg	1650	1	11/08/07 00:00	11/12/07 23:52	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	108-60-1	
Pentachlorophenol	ND	ug/kg	1650	1	11/08/07 00:00	11/12/07 23:52	87-86-5	
Phenanthrene	371	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	85-01-8	
Phenol	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	108-95-2	
Pyrene	604	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	95-94-3	
2,4,5-Trichlorophenol	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	330	1	11/08/07 00:00	11/12/07 23:52	88-06-2	
Nitrobenzene-d5 (S)	49	%	10-120	1	11/08/07 00:00	11/12/07 23:52	4165-60-0	
2-Fluorobiphenyl (S)	57	%	10-120	1	11/08/07 00:00	11/12/07 23:52	321-60-8	
Terphenyl-d14 (S)	75	%	10-116	1	11/08/07 00:00	11/12/07 23:52	1718-51-0	
Phenol-d6 (S)	59	%	10-120	1	11/08/07 00:00	11/12/07 23:52	13127-88-3	
2-Fluorophenol (S)	44	%	10-120	1	11/08/07 00:00	11/12/07 23:52	367-12-4	
2,4,6-Tribromophenol (S)	70	%	10-116	1	11/08/07 00:00	11/12/07 23:52	118-79-6	

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ANALYTICAL RESULTS

Project: IMACO 7420039

Pace Project No.: 927124

Sample: IMA-TOPSOIL-01 Lab ID: 927124001 Collected: 11/06/07 10:05 Received: 11/06/07 12:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Low Level		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	100	1		11/16/07 07:22	67-64-1	
Benzene	ND	ug/kg	5.0	1		11/16/07 07:22	71-43-2	
Bromochloromethane	ND	ug/kg	5.0	1		11/16/07 07:22	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1		11/16/07 07:22	75-27-4	
Bromoform	ND	ug/kg	5.0	1		11/16/07 07:22	75-25-2	
Bromomethane	ND	ug/kg	10.0	1		11/16/07 07:22	74-83-9	
2-Butanone (MEK)	ND	ug/kg	100	1		11/16/07 07:22	78-93-3	
Carbon disulfide	ND	ug/kg	10.0	1		11/16/07 07:22	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	1		11/16/07 07:22	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1		11/16/07 07:22	108-90-7	
Chloroethane	ND	ug/kg	10.0	1		11/16/07 07:22	75-00-3	
Chloroform	ND	ug/kg	5.0	1		11/16/07 07:22	67-66-3	
Chloromethane	ND	ug/kg	10.0	1		11/16/07 07:22	74-87-3	
Cyclohexane	ND	ug/kg	5.0	1		11/16/07 07:22	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	1		11/16/07 07:22	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1		11/16/07 07:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1		11/16/07 07:22	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1		11/16/07 07:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1		11/16/07 07:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1		11/16/07 07:22	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.0	1		11/16/07 07:22	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1		11/16/07 07:22	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1		11/16/07 07:22	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1		11/16/07 07:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1		11/16/07 07:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1		11/16/07 07:22	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1		11/16/07 07:22	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1		11/16/07 07:22	142-28-9	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1		11/16/07 07:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1		11/16/07 07:22	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	1		11/16/07 07:22	100-41-4	
2-Hexanone	ND	ug/kg	50.0	1		11/16/07 07:22	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1		11/16/07 07:22	98-82-8	
Methyl acetate	ND	ug/kg	10.0	1		11/16/07 07:22	79-20-9	
Methylcyclohexane	ND	ug/kg	10.0	1		11/16/07 07:22	108-87-2	
Methylene Chloride	ND	ug/kg	50.0	10		11/16/07 07:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.0	1		11/16/07 07:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		11/16/07 07:22	1634-04-4	
Styrene	ND	ug/kg	5.0	1		11/16/07 07:22	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1		11/16/07 07:22	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1		11/16/07 07:22	127-18-4	
Toluene	8.2	ug/kg	5.0	1		11/16/07 07:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1		11/16/07 07:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1		11/16/07 07:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1		11/16/07 07:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1		11/16/07 07:22	79-00-5	

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ANALYTICAL RESULTS

Project: IMACO 7420039
Pace Project No.: 927124

Sample: IMA-TOPSOIL-01 Lab ID: 927124001 Collected: 11/06/07 10:05 Received: 11/06/07 12:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Low Level		Analytical Method: EPA 8260						
Trichloroethene	ND	ug/kg	5.0	1		11/16/07 07:22	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1		11/16/07 07:22	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	5.0	1		11/16/07 07:22	76-13-1	
Vinyl chloride	ND	ug/kg	10.0	1		11/16/07 07:22	75-01-4	
Xylene (Total)	ND	ug/kg	10.0	1		11/16/07 07:22	1330-20-7	
m&p-Xylene	ND	ug/kg	10.0	1		11/16/07 07:22	1330-20-7	
o-Xylene	ND	ug/kg	5.0	1		11/16/07 07:22	95-47-6	
Dibromofluoromethane (S)	105	%	79-116	1		11/16/07 07:22	1868-53-7	
Toluene-d8 (S)	100	%	88-110	1		11/16/07 07:22	2037-26-5	
4-Bromofluorobenzene (S)	89	%	74-115	1		11/16/07 07:22	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	69-121	1		11/16/07 07:22	17060-07-0	
4500CNE Cyanide, Total		Analytical Method: SM 4500-CN-E						
Cyanide	0.91	mg/kg	0.12	1		11/20/07 14:26	57-12-5	

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ANALYTICAL RESULTS

Project: IMACO 7420039

Pace Project No.: 927124

Sample: IMA-FILLDIRT-01 Lab ID: 927124002 Collected: 11/06/07 10:20 Received: 11/06/07 12:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 Organochlorine Pesticides Analytical Method: EPA 8081 Preparation Method: EPA 3545								
Aldrin	ND	ug/kg	1.0	1	11/14/07 00:00	11/15/07 22:45	309-00-2	
alpha-BHC	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:45	319-84-6	
beta-BHC	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:45	319-85-7	
delta-BHC	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:45	319-86-8	
gamma-BHC (Lindane)	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:45	58-89-9	
alpha-Chlordane	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:45	5103-71-9	
gamma-Chlordane	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:45	5103-74-2	
4,4'-DDD	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:45	72-54-8	
4,4'-DDE	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:45	72-55-9	
4,4'-DDT	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:45	50-29-3	
Dieldrin	ND	ug/kg	1.0	1	11/14/07 00:00	11/15/07 22:45	60-57-1	
Endosulfan I	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:45	959-98-8	
Endosulfan II	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:45	33213-65-9	
Endosulfan sulfate	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:45	1031-07-8	
Endrin	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:45	72-20-8	
Endrin aldehyde	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:45	7421-93-4	
Endrin ketone	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:45	53494-70-5	
Heptachlor	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:45	76-44-8	
Heptachlor epoxide	ND	ug/kg	2.0	1	11/14/07 00:00	11/15/07 22:45	1024-57-3	
Methoxychlor	ND	ug/kg	7.0	1	11/14/07 00:00	11/15/07 22:45	72-43-5	
Toxaphene	ND	ug/kg	8.3	1	11/14/07 00:00	11/15/07 22:45	8001-35-2	
Tetrachloro-m-xylene (S)	52 %		20-120	1	11/14/07 00:00	11/15/07 22:45	877-09-8	
Decachlorobiphenyl (S)	67 %		20-141	1	11/14/07 00:00	11/15/07 22:45	2051-24-3	

8082 GCS PCB

Analytical Method: EPA 8082 Preparation Method: EPA 3545

PCB-1016 (Aroclor 1016)	ND	ug/kg	33.0	1	11/14/07 00:00	11/15/07 22:45	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	33.0	1	11/14/07 00:00	11/15/07 22:45	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	33.0	1	11/14/07 00:00	11/15/07 22:45	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	33.0	1	11/14/07 00:00	11/15/07 22:45	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	33.0	1	11/14/07 00:00	11/15/07 22:45	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	33.0	1	11/14/07 00:00	11/15/07 22:45	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	33.0	1	11/14/07 00:00	11/15/07 22:45	11096-82-5	
Decachlorobiphenyl (S)	67 %		10-128	1	11/14/07 00:00	11/15/07 22:45	2051-24-3	

6010 MET ICP

Analytical Method: EPA 6010 Preparation Method: EPA 3050

Aluminum	13500	mg/kg	90.9	10	11/14/07 13:35	11/15/07 14:36	7429-90-5	
Antimony	0.55	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:21	7440-36-0	
Arsenic	0.63	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:21	7440-38-2	
Barium	46.5	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:21	7440-39-3	
Beryllium	ND	mg/kg	0.091	1	11/14/07 13:35	11/15/07 00:21	7440-41-7	
Cadmium	1.3	mg/kg	0.091	1	11/14/07 13:35	11/15/07 00:21	7440-43-9	
Calcium	1140	mg/kg	9.1	1	11/14/07 13:35	11/15/07 00:21	7440-70-2	
Chromium	31.6	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:21	7440-47-3	
Cobalt	ND	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:21	7440-48-4	
Copper	18.5	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:21	7440-50-8	

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ANALYTICAL RESULTS

Project: IMACO 7420039

Pace Project No.: 927124

Sample: IMA-FILLDIRT-01 Lab ID: 927124002 Collected: 11/06/07 10:20 Received: 11/06/07 12:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Iron	35000	mg/kg	45.5	10	11/14/07 13:35	11/15/07 14:36	7439-89-6	
Lead	18.6	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:21	7439-92-1	
Magnesium	915	mg/kg	9.1	1	11/14/07 13:35	11/15/07 00:21	7439-95-4	
Manganese	259	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:21	7439-96-5	
Nickel	5.0	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:21	7440-02-0	
Potassium	1110	mg/kg	455	1	11/14/07 13:35	11/15/07 00:21	7440-09-7	
Selenium	ND	mg/kg	0.91	1	11/14/07 13:35	11/15/07 00:21	7782-49-2	
Silver	ND	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:21	7440-22-4	
Sodium	ND	mg/kg	455	1	11/14/07 13:35	11/15/07 00:21	7440-23-5	
Thallium	5.0	mg/kg	0.91	1	11/14/07 13:35	11/15/07 00:21	7440-28-0	
Vanadium	110	mg/kg	0.45	1	11/14/07 13:35	11/15/07 00:21	7440-62-2	
Zinc	32.6	mg/kg	0.91	1	11/14/07 13:35	11/15/07 00:21	7440-66-6	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	0.037	mg/kg	0.0054	1	11/15/07 15:15	11/19/07 12:52	7439-97-6	
8270 MSSV PFE Analytical Method: EPA 8270 Preparation Method: EPA 3545								
Acenaphthene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	83-32-9	
Acenaphthylene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	208-96-8	
Acetophenone	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	98-86-2	
Anthracene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	120-12-7	
Atrazine	ND	ug/kg	660	1	11/08/07 00:00	11/13/07 00:53	1912-24-9	
Benzaldehyde	ND	ug/kg	660	1	11/08/07 00:00	11/13/07 00:53	100-52-7	
Benzo(a)anthracene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	56-55-3	
Benzo(a)pyrene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	207-08-9	
Biphenyl (Diphenyl)	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	101-55-3	
Butylbenzylphthalate	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	85-68-7	
Caprolactam	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	105-60-2	
Carbazole	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	660	1	11/08/07 00:00	11/13/07 00:53	59-50-7	
4-Chloroaniline	ND	ug/kg	1650	1	11/08/07 00:00	11/13/07 00:53	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	111-44-4	
2-Chloronaphthalene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	91-58-7	
2-Chlorophenol	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	7005-72-3	
Chrysene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	53-70-3	
Dibenzofuran	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	1650	1	11/08/07 00:00	11/13/07 00:53	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	120-83-2	

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ANALYTICAL RESULTS

Project: IMACO 7420039

Pace Project No.: 927124

Sample: IMA-FILLDIRT-01 Lab ID: 927124002 Collected: 11/06/07 10:20 Received: 11/06/07 12:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PFE Analytical Method: EPA 8270 Preparation Method: EPA 3545								
Diethylphthalate	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	105-67-9	
Dimethylphthalate	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	131-11-3	
Di-n-butylphthalate	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	660	1	11/08/07 00:00	11/13/07 00:53	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1650	1	11/08/07 00:00	11/13/07 00:53	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	606-20-2	
Di-n-octylphthalate	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	117-81-7	
Fluoranthene	609	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	206-44-0	
Fluorene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	87-68-3	
Hexachlorobenzene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	77-47-4	
Hexachloroethane	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	193-39-5	
Isophorone	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	78-59-1	
2-Methylnaphthalene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53		
Naphthalene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	91-20-3	
2-Nitroaniline	ND	ug/kg	1650	1	11/08/07 00:00	11/13/07 00:53	88-74-4	
3-Nitroaniline	ND	ug/kg	1650	1	11/08/07 00:00	11/13/07 00:53	99-09-2	
4-Nitroaniline	ND	ug/kg	660	1	11/08/07 00:00	11/13/07 00:53	100-01-6	
Nitrobenzene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	98-95-3	
2-Nitrophenol	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	88-75-5	
4-Nitrophenol	ND	ug/kg	1650	1	11/08/07 00:00	11/13/07 00:53	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	108-60-1	
Pentachlorophenol	ND	ug/kg	1650	1	11/08/07 00:00	11/13/07 00:53	87-86-5	
Phenanthrene	687	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	85-01-8	
Phenol	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	108-95-2	
Pyrene	688	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	95-94-3	
2,4,5-Trichlorophenol	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	330	1	11/08/07 00:00	11/13/07 00:53	88-06-2	
Nitrobenzene-d5 (S)	51 %		10-120	1	11/08/07 00:00	11/13/07 00:53	4165-60-0	
2-Fluorobiphenyl (S)	64 %		10-120	1	11/08/07 00:00	11/13/07 00:53	321-60-8	
Terphenyl-d14 (S)	98 %		10-116	1	11/08/07 00:00	11/13/07 00:53	1718-51-0	
Phenol-d6 (S)	64 %		10-120	1	11/08/07 00:00	11/13/07 00:53	13127-88-3	
2-Fluorophenol (S)	44 %		10-120	1	11/08/07 00:00	11/13/07 00:53	367-12-4	
2,4,6-Tribromophenol (S)	70 %		10-116	1	11/08/07 00:00	11/13/07 00:53	118-79-6	

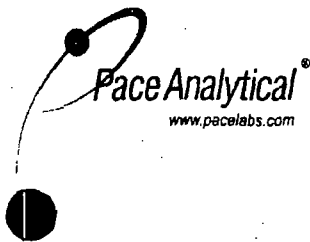
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ANALYTICAL RESULTS

Project: IMACO 7420039
Pace Project No.: 927124

Sample: IMA-FILLDIRT-01 Lab ID: 927124002 Collected: 11/06/07 10:20 Received: 11/06/07 12:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Low Level		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	100	1		11/16/07 20:07	67-64-1	
Benzene	ND	ug/kg	5.0	1		11/16/07 20:07	71-43-2	
Bromochloromethane	ND	ug/kg	5.0	1		11/16/07 20:07	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1		11/16/07 20:07	75-27-4	
Bromoform	ND	ug/kg	5.0	1		11/16/07 20:07	75-25-2	
Bromomethane	ND	ug/kg	10.0	1		11/16/07 20:07	74-83-9	
2-Butanone (MEK)	ND	ug/kg	100	1		11/16/07 20:07	78-93-3	
Carbon disulfide	ND	ug/kg	10.0	1		11/16/07 20:07	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	1		11/16/07 20:07	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1		11/16/07 20:07	108-90-7	
Chloroethane	ND	ug/kg	10.0	1		11/16/07 20:07	75-00-3	
Chloroform	ND	ug/kg	5.0	1		11/16/07 20:07	67-66-3	
Chloromethane	ND	ug/kg	10.0	1		11/16/07 20:07	74-87-3	
Cyclohexane	ND	ug/kg	5.0	1		11/16/07 20:07	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	1		11/16/07 20:07	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1		11/16/07 20:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1		11/16/07 20:07	106-93-4	
2-Dichlorobenzene	ND	ug/kg	5.0	1		11/16/07 20:07	95-50-1	
3-Dichlorobenzene	ND	ug/kg	5.0	1		11/16/07 20:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1		11/16/07 20:07	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.0	1		11/16/07 20:07	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1		11/16/07 20:07	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1		11/16/07 20:07	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1		11/16/07 20:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1		11/16/07 20:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1		11/16/07 20:07	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1		11/16/07 20:07	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1		11/16/07 20:07	142-28-9	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1		11/16/07 20:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1		11/16/07 20:07	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	1		11/16/07 20:07	100-41-4	
2-Hexanone	ND	ug/kg	50.0	1		11/16/07 20:07	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1		11/16/07 20:07	98-82-8	
Methyl acetate	ND	ug/kg	10.0	1		11/16/07 20:07	79-20-9	
Methylcyclohexane	ND	ug/kg	10.0	1		11/16/07 20:07	108-87-2	
Methylene Chloride	ND	ug/kg	10.0	2		11/16/07 20:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.0	1		11/16/07 20:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		11/16/07 20:07	1634-04-4	
Styrene	ND	ug/kg	5.0	1		11/16/07 20:07	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1		11/16/07 20:07	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1		11/16/07 20:07	127-18-4	
Toluene	ND	ug/kg	5.0	1		11/16/07 20:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1		11/16/07 20:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1		11/16/07 20:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1		11/16/07 20:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1		11/16/07 20:07	79-00-5	

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ANALYTICAL RESULTS

Project: IMACO 7420039

Pace Project No.: 927124

Sample: IMA-FILLDIRT-01 Lab ID: 927124002 Collected: 11/06/07 10:20 Received: 11/06/07 12:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Low Level		Analytical Method: EPA 8260						
Trichloroethene	ND ug/kg		5.0	1		11/16/07 20:07	79-01-6	
Trichlorofluoromethane	ND ug/kg		5.0	1		11/16/07 20:07	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/kg		5.0	1		11/16/07 20:07	76-13-1	
Vinyl chloride	ND ug/kg		10.0	1		11/16/07 20:07	75-01-4	
Xylene (Total)	ND ug/kg		10.0	1		11/16/07 20:07	1330-20-7	
m&p-Xylene	ND ug/kg		10.0	1		11/16/07 20:07	1330-20-7	
o-Xylene	ND ug/kg		5.0	1		11/16/07 20:07	95-47-6	
Dibromofluoromethane (S)	102 %		79-116	1		11/16/07 20:07	1868-53-7	
Toluene-d8 (S)	93 %		88-110	1		11/16/07 20:07	2037-26-5	
4-Bromofluorobenzene (S)	93 %		74-115	1		11/16/07 20:07	460-00-4	
1,2-Dichloroethane-d4 (S)	95 %		69-121	1		11/16/07 20:07	17060-07-0	
4500CNE Cyanide, Total		Analytical Method: SM 4500-CN-E						
Cyanide	ND mg/kg		0.11	1		11/20/07 14:28	57-12-5	

QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 927124

QC Batch: OEXT/1690 Analysis Method: EPA 8270
QC Batch Method: EPA 3545 Analysis Description: 8270 Solid MSSV
Associated Lab Samples: 927124001, 927124002

METHOD BLANK: 38600

Associated Lab Samples: 927124001, 927124002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/kg	ND	330	
2,4,5-Trichlorophenol	ug/kg	ND	330	
2,4,6-Trichlorophenol	ug/kg	ND	330	
2,4-Dichlorophenol	ug/kg	ND	330	
2,4-Dimethylphenol	ug/kg	ND	330	
2,4-Dinitrophenol	ug/kg	ND	1650	
2,4-Dinitrotoluene	ug/kg	ND	330	
2,6-Dinitrotoluene	ug/kg	ND	330	
2-Chloronaphthalene	ug/kg	ND	330	
2-Chlorophenol	ug/kg	ND	330	
2-Methylnaphthalene	ug/kg	ND	330	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	
2-Nitroaniline	ug/kg	ND	1650	
2-Nitrophenol	ug/kg	ND	330	
3,4-Methylphenol(m&p Cresol)	ug/kg	ND	330	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	
3-Nitroaniline	ug/kg	ND	1650	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	
4-Bromophenylphenyl ether	ug/kg	ND	330	
4-Chloro-3-methylphenol	ug/kg	ND	660	
4-Chloroaniline	ug/kg	ND	1650	
4-Chlorophenylphenyl ether	ug/kg	ND	330	
4-Nitroaniline	ug/kg	ND	660	
4-Nitrophenol	ug/kg	ND	1650	
Acenaphthene	ug/kg	ND	330	
Acenaphthylene	ug/kg	ND	330	
Acetophenone	ug/kg	ND	330	
Anthracene	ug/kg	ND	330	
Atrazine	ug/kg	ND	660	
Benzaldehyde	ug/kg	ND	660	
Benzo(a)anthracene	ug/kg	ND	330	
Benzo(a)pyrene	ug/kg	ND	330	
Benzo(b)fluoranthene	ug/kg	ND	330	
Benzo(g,h,i)perylene	ug/kg	ND	330	
Benzo(k)fluoranthene	ug/kg	ND	330	
Biphenyl (Diphenyl)	ug/kg	ND	330	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	
bis(2-Chloroethyl) ether	ug/kg	ND	330	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	
Butylbenzylphthalate	ug/kg	ND	330	
Caprolactam	ug/kg	ND	330	
Carbazole	ug/kg	ND	330	
Chrysene	ug/kg	ND	330	

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QUALITY CONTROL DATA

Project: IMACO 7420039

Pace Project No.: 927124

METHOD BLANK: 38600

Associated Lab Samples: 927124001, 927124002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Di-n-butylphthalate	ug/kg	ND	330	
Di-n-octylphthalate	ug/kg	ND	330	
Dibenz(a,h)anthracene	ug/kg	ND	330	
Dibenzofuran	ug/kg	ND	330	
Diethylphthalate	ug/kg	ND	330	
Dimethylphthalate	ug/kg	ND	330	
Fluoranthene	ug/kg	ND	330	
Fluorene	ug/kg	ND	330	
Hexachloro-1,3-butadiene	ug/kg	ND	330	
Hexachlorobenzene	ug/kg	ND	330	
Hexachlorocyclopentadiene	ug/kg	ND	330	
Hexachloroethane	ug/kg	ND	330	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	
Isophorone	ug/kg	ND	330	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	
N-Nitrosodiphenylamine	ug/kg	ND	330	
Naphthalene	ug/kg	ND	330	
Nitrobenzene	ug/kg	ND	330	
Pentachlorophenol	ug/kg	ND	1650	
Phenanthrene	ug/kg	ND	330	
Phenol	ug/kg	ND	330	
Pyrene	ug/kg	ND	330	
2,4,6-Tribromophenol (S)	%	63	10-116	
2-Fluorobiphenyl (S)	%	62	10-120	
2-Fluorophenol (S)	%	63	10-120	
Nitrobenzene-d5 (S)	%	67	10-120	
Phenol-d6 (S)	%	65	10-120	
Terphenyl-d14 (S)	%	80	10-116	

LABORATORY CONTROL SAMPLE: 38601

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	1070	64	25-120	
2,4,5-Trichlorophenol	ug/kg	1670	1110	66	41-112	
2,4,6-Trichlorophenol	ug/kg	1670	1060	63	35-116	
2,4-Dichlorophenol	ug/kg	1670	974	58	25-110	
2,4-Dimethylphenol	ug/kg	1670	1090	66	31-101	
2,4-Dinitrophenol	ug/kg	1670	833J	50	10-128	
2,4-Dinitrotoluene	ug/kg	1670	1190	71	43-120	
2,6-Dinitrotoluene	ug/kg	1670	1090	66	39-120	
2-Chloronaphthalene	ug/kg	1670	912	55	40-109	
2-Chlorophenol	ug/kg	1670	1020	61	28-102	
2-Methylnaphthalene	ug/kg	1670	869	52	30-104	
2-Methylphenol(o-Cresol)	ug/kg	1670	1130	68	31-101	
2-Nitroaniline	ug/kg	1670	1280J	77	39-109	

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QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 927124

LABORATORY CONTROL SAMPLE: 38601

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Nitrophenol	ug/kg	1670	1030	62	22-104	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1130	68	30-112	
3,3'-Dichlorobenzidine	ug/kg	1670	1130J	68	10-120	
3-Nitroaniline	ug/kg	1670	1400J	84	16-141	
4,6-Dinitro-2-methylphenol	ug/kg	1670	985	59	28-119	
4-Bromophenylphenyl ether	ug/kg	1670	1180	71	35-119	
4-Chloro-3-methylphenol	ug/kg	1670	1230	74	28-116	
4-Chloroaniline	ug/kg	1670	1440J	86	26-135	
4-Chlorophenylphenyl ether	ug/kg	1670	1170	70	44-112	
4-Nitroaniline	ug/kg	1670	1320	79	15-155	
4-Nitrophenol	ug/kg	1670	1280J	77	25-119	
Acenaphthene	ug/kg	1670	1130	68	38-109	
Acenaphthylene	ug/kg	1670	1110	66	38-109	
Acetophenone	ug/kg	3330	2180	65	44-120	
Anthracene	ug/kg	1670	1280	77	45-114	
Benzaldehyde	ug/kg	1670	630J	38	50-150 L0	
Benzo(a)anthracene	ug/kg	1670	1230	74	45-109	
Benzo(a)pyrene	ug/kg	1670	1330	80	47-117	
Benzo(b)fluoranthene	ug/kg	1670	1120	67	32-113	
Benzo(g,h,i)perylene	ug/kg	1670	1230	74	10-149	
Benzo(k)fluoranthene	ug/kg	1670	1060	64	41-104	
Biphenyl (Diphenyl)	ug/kg	1670	1210	73	50-150	
bis(2-Chloroethoxy)methane	ug/kg	1670	1050	63	23-110	
bis(2-Chloroethyl) ether	ug/kg	1670	1040	63	23-106	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1300	78	30-130	
Butylbenzylphthalate	ug/kg	1670	1310	79	35-122	
Caprolactam	ug/kg	1670	1690	101	50-150	
Carbazole	ug/kg	1670	1240	74	59-120	
Chrysene	ug/kg	1670	1190	71	35-116	
Di-n-butylphthalate	ug/kg	1670	1350	81	40-118	
Di-n-octylphthalate	ug/kg	1670	1190	72	34-127	
Dibenz(a,h)anthracene	ug/kg	1670	1250	75	13-139	
Dibenzofuran	ug/kg	1670	1070	64	45-109	
Diethylphthalate	ug/kg	1670	1280	77	45-110	
Dimethylphthalate	ug/kg	1670	1210	73	44-108	
Fluoranthene	ug/kg	1670	1280	77	43-110	
Fluorene	ug/kg	1670	1230	74	40-111	
Hexachloro-1,3-butadiene	ug/kg	1670	898	54	13-106	
Hexachlorobenzene	ug/kg	1670	1070	64	31-126	
Hexachlorocyclopentadiene	ug/kg	1670	776	47	10-136	
Hexachloroethane	ug/kg	1670	907	54	26-120	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1270	76	17-135	
Isophorone	ug/kg	1670	1180	71	13-179	
N-Nitroso-di-n-propylamine	ug/kg	1670	1150	69	26-115	
N-Nitrosodiphenylamine	ug/kg	1670	1280	77	40-128	
Naphthalene	ug/kg	1670	1040	62	26-120	
Nitrobenzene	ug/kg	1670	1070	64	21-106	
Pentachlorophenol	ug/kg	1670	1100J	66	17-140	

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QUALITY CONTROL DATA

Project: IMACO 7420039

Pace Project No.: 927124

LABORATORY CONTROL SAMPLE: 38601

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	1670	1320	79	45-110	
Phenol	ug/kg	1670	1100	66	29-105	
Pyrene	ug/kg	1670	1200	72	38-114	
2,4,6-Tribromophenol (S)	%			83	10-116	
2-Fluorobiphenyl (S)	%			73	10-120	
2-Fluorophenol (S)	%			74	10-120	
Nitrobenzene-d5 (S)	%			84	10-120	
Phenol-d6 (S)	%			79	10-120	
Terphenyl-d14 (S)	%			89	10-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 38602 38603

Parameter	Units	927124001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
2,4-Dinitrotoluene	ug/kg	ND	1670	1670	904	785	54	47	21-109	14	30
2-Chlorophenol	ug/kg	ND	1670	1670	965	618	58	37	10-120	44	30 R1
4-Chloro-3-methylphenol	ug/kg	ND	1670	1670	1190	999	71	60	10-111	17	30
4-Nitrophenol	ug/kg	ND	1670	1670	1140J	896J	68	54	10-121	24	30
Acenaphthene	ug/kg	ND	1670	1670	1150	899	67	52	17-104	25	30
N-Nitroso-di-n-propylamine	ug/kg	ND	1670	1670	1110	673	67	40	10-107	49	30 R1
Pentachlorophenol	ug/kg	ND	1670	1670	1170J	906J	70	54	10-145	26	30
Phenol	ug/kg	ND	1670	1670	1030	692	62	42	10-120	39	30 R1
Pyrene	ug/kg	604	1670	1670	2220	1440	97	50	13-114	42	30 R1
2,4,6-Tribromophenol (S)	%						80	64	10-116		
2-Fluorobiphenyl (S)	%						72	54	10-120		
2-Fluorophenol (S)	%						62	39	10-120		
Nitrobenzene-d5 (S)	%						74	42	10-120		
Phenol-d6 (S)	%						74	52	10-120		
Terphenyl-d14 (S)	%						91	86	10-116		

QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 927124

QC Batch: WETA/1583 Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 927124001, 927124002

METHOD BLANK: 40133

Associated Lab Samples: 927124001, 927124002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Cyanide	mg/kg	ND	0.15	

LABORATORY CONTROL SAMPLE: 40134

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	3	3.1	103	80-120	

MATRIX SPIKE SAMPLE: 40135

Parameter	Units	927124001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/kg	0.91	2.1	1.5	28	75-125	M3

SAMPLE DUPLICATE: 40136

Parameter	Units	927124002 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	mg/kg	ND	0.17	66	20	R2

QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 927124

QC Batch: MPRP/1453 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 927124001, 927124002

METHOD BLANK: 40727

Associated Lab Samples: 927124001, 927124002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Aluminum	mg/kg	ND	10.0	
Antimony	mg/kg	ND	0.50	
Arsenic	mg/kg	ND	0.50	
Barium	mg/kg	ND	0.50	
Beryllium	mg/kg	ND	0.10	
Cadmium	mg/kg	ND	0.10	
Calcium	mg/kg	ND	10.0	
Chromium	mg/kg	ND	0.50	
Cobalt	mg/kg	ND	0.50	
Copper	mg/kg	ND	0.50	
Iron	mg/kg	ND	5.0	
Lead	mg/kg	ND	0.50	
Magnesium	mg/kg	ND	10.0	
Manganese	mg/kg	ND	0.50	
Nickel	mg/kg	ND	0.50	
Potassium	mg/kg	ND	500	
Selenium	mg/kg	ND	1.0	
Silver	mg/kg	ND	0.50	
Sodium	mg/kg	ND	500	
Thallium	mg/kg	ND	1.0	
Vanadium	mg/kg	ND	0.50	
Zinc	mg/kg	ND	1.0	

LABORATORY CONTROL SAMPLE: 40728

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	499	100	80-120	
Antimony	mg/kg	50	49.4	99	80-120	
Arsenic	mg/kg	50	47.7	95	80-120	
Barium	mg/kg	50	48.3	97	80-120	
Beryllium	mg/kg	50	49.8	100	80-120	
Cadmium	mg/kg	50	47.4	95	80-120	
Calcium	mg/kg	500	500	100	80-120	
Chromium	mg/kg	50	49.9	100	80-120	
Cobalt	mg/kg	50	48.7	97	80-120	
Copper	mg/kg	50	50.6	101	80-120	
Iron	mg/kg	500	497	99	80-120	
Lead	mg/kg	50	47.3	95	80-120	
Magnesium	mg/kg	500	496	99	80-120	
Manganese	mg/kg	50	48.5	97	80-120	
Nickel	mg/kg	50	47.4	95	80-120	

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QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 927124

LABORATORY CONTROL SAMPLE: 40728

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Potassium	mg/kg	500	483J	97	80-120	
Selenium	mg/kg	50	48.1	96	80-120	
Silver	mg/kg	25	24.8	99	80-120	
Sodium	mg/kg	500	561	112	80-120	
Thallium	mg/kg	50	46.5	93	80-120	
Vanadium	mg/kg	50	49.5	99	80-120	
Zinc	mg/kg	50	51.3	103	80-120	

MATRIX SPIKE SAMPLE: 40729

Parameter	Units	927083019 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	43500	553	59600	2910	75-125	
Antimony	mg/kg	1.4	55.3	36.1	63	75-125	M3
Arsenic	mg/kg	6.9	55.3	55.2	87	75-125	
Barium	mg/kg	37.3	55.3	86.9	90	75-125	
Beryllium	mg/kg	ND	55.3	49.9	93	75-125	
Cadmium	mg/kg	1.6	55.3	48.0	84	75-125	
Calcium	mg/kg	543	553	1040	90	75-125	
Chromium	mg/kg	43.7	55.3	93.4	90	75-125	
Cobalt	mg/kg	42.2	55.3	104	111	75-125	
Copper	mg/kg	13.1	55.3	69.9	103	75-125	
Iron	mg/kg	44400	553	42700	308	75-125	
Lead	mg/kg	20.7	55.3	66.5	83	75-125	
Magnesium	mg/kg	331	553	859	96	75-125	
Manganese	mg/kg	152	55.3	263	201	75-125	M3
Nickel	mg/kg	5.7	55.3	52.5	85	75-125	
Potassium	mg/kg	760	553	1640	159	75-125	M3
Selenium	mg/kg	ND	55.3	36.5	81	75-125	
Silver	mg/kg	ND	27.6	26.1	95	75-125	
Sodium	mg/kg	ND	553	908	154	75-125	M3
Thallium	mg/kg	4.6	55.3	45.5	74	75-125	M3
Vanadium	mg/kg	82.3	55.3	130	86	75-125	
Zinc	mg/kg	17.7	55.3	71.2	97	75-125	

SAMPLE DUPLICATE: 40730

Parameter	Units	927083020 Result	Dup Result	RPD	Max RPD	Qualifiers
Aluminum	mg/kg	29600	33400	12	20	
Antimony	mg/kg	1.1	1.1	5	20	
Arsenic	mg/kg	4.7	4.8	3	20	
Barium	mg/kg	22.9	21.5	6	20	
Beryllium	mg/kg	ND	ND	0	20	
Cadmium	mg/kg	0.69	0.65	6	20	
Calcium	mg/kg	338	336	6	20	
Chromium	mg/kg	30.7	35.0	13	20	

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QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 927124

SAMPLE DUPLICATE: 40730

Parameter	Units	927083020 Result	Dup Result	RPD	Max RPD	Qualifiers
Cobalt	mg/kg	24.8	26.2	5	20	
Copper	mg/kg	12.2	12.0	2	20	
Iron	mg/kg	33000	32700	.8	20	
Lead	mg/kg	17.8	16.3	9	20	
Magnesium	mg/kg	361	360	.3	20	
Manganese	mg/kg	152	160	6	20	
Nickel	mg/kg	4.0	3.9	2	20	
Potassium	mg/kg	680	661	3	20	
Selenium	mg/kg	ND	ND	0	20	
Silver	mg/kg	ND	ND	0	20	
Sodium	mg/kg	ND	46.6J	11	20	
Thallium	mg/kg	3.7	3.6	.4	20	
Vanadium	mg/kg	61.7	61.4	.4	20	
Zinc	mg/kg	16.7	18.2	9	20	

QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 927124

QC Batch: OEXT/1721 Analysis Method: EPA 8081
QC Batch Method: EPA 3545 Analysis Description: 8081 Organochlorine Pesticides
Associated Lab Samples: 927124001, 927124002

METHOD BLANK: 40755

Associated Lab Samples: 927124001, 927124002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
4,4'-DDD	ug/kg	ND	2.0	
4,4'-DDE	ug/kg	ND	2.0	
4,4'-DDT	ug/kg	ND	2.0	
Aldrin	ug/kg	ND	1.0	
alpha-BHC	ug/kg	ND	2.0	
alpha-Chlordane	ug/kg	ND	2.0	
beta-BHC	ug/kg	ND	2.0	
delta-BHC	ug/kg	ND	2.0	
Dieldrin	ug/kg	ND	1.0	
Endosulfan I	ug/kg	ND	2.0	
Endosulfan II	ug/kg	ND	2.0	
Endosulfan sulfate	ug/kg	ND	2.0	
Endrin	ug/kg	ND	2.0	
Endrin aldehyde	ug/kg	ND	2.0	
Endrin ketone	ug/kg	ND	2.0	
gamma-BHC (Lindane)	ug/kg	ND	2.0	
gamma-Chlordane	ug/kg	ND	2.0	
Heptachlor	ug/kg	ND	2.0	
Heptachlor epoxide	ug/kg	ND	2.0	
Methoxychlor	ug/kg	ND	7.0	
Toxaphene	ug/kg	ND	8.3	
Decachlorobiphenyl (S)	%	86	20-141	
Tetrachloro-m-xylene (S)	%	67	20-120	

LABORATORY CONTROL SAMPLE: 40756

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/kg	2.7	2.6	97	41-137	
4,4'-DDE	ug/kg	2.7	2.6	96	41-135	
4,4'-DDT	ug/kg	2.7	2.6	98	37-150	
Aldrin	ug/kg	2.7	2.3	84	36-129	
alpha-BHC	ug/kg	2.7	2.6	96	31-129	
alpha-Chlordane	ug/kg	2.7	2.7	103	50-150	
beta-BHC	ug/kg	2.7	2.5	94	41-141	
delta-BHC	ug/kg	2.7	2.7	99	20-144	
Dieldrin	ug/kg	2.7	2.6	96	38-133	
Endosulfan I	ug/kg	2.7	2.6	96	31-150	
Endosulfan II	ug/kg	2.7	2.4	91	34-150	
Endosulfan sulfate	ug/kg	2.7	2.3	87	45-125	
Endrin	ug/kg	2.7	2.7	102	36-141	
Endrin aldehyde	ug/kg	2.7	3.0	112	25-137	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 927124

LABORATORY CONTROL SAMPLE: 40756

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin ketone	ug/kg	2.7	ND	71	50-150	
gamma-BHC (Lindane)	ug/kg	2.7	2.5	93	34-125	
gamma-Chlordane	ug/kg	2.7	2.7	101	50-150	
Heptachlor	ug/kg	2.7	2.6	96	28-150	
Heptachlor epoxide	ug/kg	2.7	2.6	97	38-131	
Methoxychlor	ug/kg	9.3	13.4	143	25-150	
Decachlorobiphenyl (S)	%			100	20-141	
Tetrachloro-m-xylene (S)	%			90	20-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 40757 40758

Parameter	Units	927124001		MSD		MS		MSD		% Rec Limits	Max		Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	% Rec		RPD	RPD	
4,4'-DDT	ug/kg	ND	2.7	2.7	ND	2.0	67	74	20-150	11	30		
Aldrin	ug/kg	ND	2.7	2.7	ND	1.0	35	38	20-150	9	30		
Dieldrin	ug/kg	ND	2.7	2.7	2.8	3.9	103	145	20-126	34	30	2g	
Endrin	ug/kg	ND	2.7	2.7	ND	2.1	60	77	20-150	25	30		
gamma-BHC (Lindane)	ug/kg	ND	2.7	2.7	ND	ND	62	64	20-149	3	30		
Heptachlor	ug/kg	ND	2.7	2.7	ND	ND	38	68	20-143	56	30	R1	
Decachlorobiphenyl (S)	%						90	115	20-141				
Tetrachloro-m-xylene (S)	%						13	10	20-120				1g



Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kinney Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 927124

QC Batch: OEXT/1722 Analysis Method: EPA 8082
QC Batch Method: EPA 3545 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 927124001, 927124002

METHOD BLANK: 40761

Associated Lab Samples: 927124001, 927124002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	33.0	
PCB-1221 (Aroclor 1221)	ug/kg	ND	33.0	
PCB-1232 (Aroclor 1232)	ug/kg	ND	33.0	
PCB-1242 (Aroclor 1242)	ug/kg	ND	33.0	
PCB-1248 (Aroclor 1248)	ug/kg	ND	33.0	
PCB-1254 (Aroclor 1254)	ug/kg	ND	33.0	
PCB-1260 (Aroclor 1260)	ug/kg	ND	33.0	
Decachlorobiphenyl (S)	%	86	10-128	

LABORATORY CONTROL SAMPLE: 40762

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	116	69	42-137	
PCB-1260 (Aroclor 1260)	ug/kg	167	105	63	46-140	
Decachlorobiphenyl (S)	%			67	10-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 40763 40764

Parameter	Units	927124002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	167	167	116	125	70	75	30-128	8	30
PCB-1260 (Aroclor 1260)	ug/kg	ND	167	167	108	107	65	64	29-128	.2	30
Decachlorobiphenyl (S)	%						69	63	10-128		



QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 927124

QC Batch: MERP/1164 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 927124001, 927124002

METHOD BLANK: 40802

Associated Lab Samples: 927124001, 927124002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	mg/kg	ND	0.0050	

LABORATORY CONTROL SAMPLE: 40803

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.077	116	80-120	

MATRIX SPIKE SAMPLE: 40804

Parameter	Units	927083019 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.060	.093	0.16	106	75-125	

SAMPLE DUPLICATE: 40805

Parameter	Units	927083020 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/kg	0.13	0.092	37	20 R1	



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QUALITY CONTROL DATA

Project: IMACO 7420039

Pace Project No.: 927124

QC Batch: MSV/1809

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5030 Low

Associated Lab Samples: 927124001, 927124002

METHOD BLANK: 41999

Associated Lab Samples: 927124001, 927124002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	5.0	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	
1,1,2-Trichloroethane	ug/kg	ND	5.0	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	5.0	
1,1-Dichloroethane	ug/kg	ND	5.0	
1,1-Dichloroethene	ug/kg	ND	5.0	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	
1,2-Dichlorobenzene	ug/kg	ND	5.0	
1,2-Dichloroethane	ug/kg	ND	5.0	
1,2-Dichloropropane	ug/kg	ND	5.0	
1,3-Dichlorobenzene	ug/kg	ND	5.0	
1,3-Dichloropropane	ug/kg	ND	5.0	
1,4-Dichlorobenzene	ug/kg	ND	5.0	
2-Butanone (MEK)	ug/kg	ND	100	
2-Hexanone	ug/kg	ND	50.0	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	
Acetone	ug/kg	ND	100	
Benzene	ug/kg	ND	5.0	
Bromochloromethane	ug/kg	ND	5.0	
Bromodichloromethane	ug/kg	ND	5.0	
Bromoform	ug/kg	ND	5.0	
Bromomethane	ug/kg	ND	10.0	
Carbon disulfide	ug/kg	ND	10.0	
Carbon tetrachloride	ug/kg	ND	5.0	
Chlorobenzene	ug/kg	ND	5.0	
Chloroethane	ug/kg	ND	10.0	
Chloroform	ug/kg	ND	5.0	
Chloromethane	ug/kg	ND	10.0	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	
Cyclohexane	ug/kg	ND	5.0	
Dibromochloromethane	ug/kg	ND	5.0	
Dichlorodifluoromethane	ug/kg	ND	10.0	
Ethylbenzene	ug/kg	ND	5.0	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	
m&p-Xylene	ug/kg	ND	10.0	
Methyl acetate	ug/kg	ND	10.0	
Methyl-tert-butyl ether	ug/kg	ND	5.0	
Methylcyclohexane	ug/kg	ND	10.0	
Methylene Chloride	ug/kg	ND	5.0	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: IMACO 7420039

Pace Project No.: 927124

METHOD BLANK: 41999

Associated Lab Samples: 927124001, 927124002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
o-Xylene	ug/kg	ND	5.0	
Styrene	ug/kg	ND	5.0	
Tetrachloroethene	ug/kg	ND	5.0	
Toluene	ug/kg	ND	5.0	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	
Trichloroethene	ug/kg	ND	5.0	
Trichlorofluoromethane	ug/kg	ND	5.0	
Vinyl chloride	ug/kg	ND	10.0	
Xylene (Total)	ug/kg	ND	10.0	
1,2-Dichloroethane-d4 (S)	%	99	69-121	
4-Bromofluorobenzene (S)	%	100	74-115	
Dibromofluoromethane (S)	%	104	79-116	
Toluene-d8 (S)	%	103	88-110	

LABORATORY CONTROL SAMPLE: 42000

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50	66.9	134	70-140	
1,1,2,2-Tetrachloroethane	ug/kg	50	55.1	110	74-133	
1,1,2-Trichloroethane	ug/kg	50	63.5	127	79-129	
1,1,2-Trichlorotrifluoroethane	ug/kg	50	58.8	118	61-142	
1,1-Dichloroethane	ug/kg	50	65.0	130	72-139	
1,1-Dichloroethene	ug/kg	50	69.9	140	69-154	
1,2,3-Trichlorobenzene	ug/kg	50	57.8	116	71-150	
1,2,4-Trichlorobenzene	ug/kg	50	48.4	97	68-150	
1,2-Dibromo-3-chloropropane	ug/kg	50	54.2	108	65-146	
1,2-Dibromoethane (EDB)	ug/kg	50	61.2	122	77-136	
1,2-Dichlorobenzene	ug/kg	50	62.0	124	75-141	
1,2-Dichloroethane	ug/kg	50	66.4	133	74-134	
1,2-Dichloropropane	ug/kg	50	63.4	127	77-138	
1,3-Dichlorobenzene	ug/kg	50	56.2	112	76-133	
1,3-Dichloropropane	ug/kg	50	62.4	125	79-132	
1,4-Dichlorobenzene	ug/kg	50	55.9	112	75-137	
2-Butanone (MEK)	ug/kg	100	113	113	61-138	
2-Hexanone	ug/kg	100	144	144	58-159	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	121	121	74-139	
Acetone	ug/kg	100	125	125	58-150	
Benzene	ug/kg	50	62.8	126	71-140	
Bromochloromethane	ug/kg	50	59.4	119	78-133	
Bromodichloromethane	ug/kg	50	66.1	132	78-133	
Bromoform	ug/kg	50	58.9	118	74-132	
Bromomethane	ug/kg	50	65.0	130	63-184	
Carbon disulfide	ug/kg	50	58.0	116	53-185	
Carbon tetrachloride	ug/kg	50	65.7	131	73-143	

Date: 11/20/2007 05:26 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 927124

LABORATORY CONTROL SAMPLE: 42000

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/kg	50	66.3	133	77-137	
Chloroethane	ug/kg	50	61.5	123	68-146	
Chloroform	ug/kg	50	68.9	138	75-137	L3
Chloromethane	ug/kg	50	50.1	100	54-143	
cis-1,2-Dichloroethene	ug/kg	50	71.1	142	71-143	
cis-1,3-Dichloropropene	ug/kg	50	60.0	120	76-133	
Cyclohexane	ug/kg	50	69.3	139	70-130	L3
Dibromochloromethane	ug/kg	50	63.9	128	77-131	
Dichlorodifluoromethane	ug/kg	50	61.6	123	36-173	
Ethylbenzene	ug/kg	50	63.8	128	69-141	
Isopropylbenzene (Cumene)	ug/kg	50	64.0	128	77-143	
m&p-Xylene	ug/kg	100	127	127	72-138	
Methyl acetate	ug/kg	50	18.3	37	43-126	L0
Methyl-tert-butyl ether	ug/kg	50	68.7	137	2-138	
Methylcyclohexane	ug/kg	50	66.2	132	70-130	L3
Methylene Chloride	ug/kg	50	59.9	120	69-136	
o-Xylene	ug/kg	50	63.0	126	74-137	
Styrene	ug/kg	50	60.6	121	76-137	
Tetrachloroethene	ug/kg	50	63.0	126	72-136	
Toluene	ug/kg	50	64.4	129	69-139	
trans-1,2-Dichloroethene	ug/kg	50	63.3	127	72-144	
trans-1,3-Dichloropropene	ug/kg	50	59.3	119	73-135	
Trichloroethene	ug/kg	50	63.2	126	75-136	
Trichlorofluoromethane	ug/kg	50	60.3	121	69-144	
Vinyl chloride	ug/kg	50	59.5	119	61-145	
Xylene (Total)	ug/kg	150	196	131	73-138	
1,2-Dichloroethane-d4 (S)	%			103	69-121	
4-Bromofluorobenzene (S)	%			98	74-115	
Dibromofluoromethane (S)	%			99	79-116	
Toluene-d8 (S)	%			100	88-110	

QUALIFIERS

Project: IMACO 7420039
Pace Project No.: 927124

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution, of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

- L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.
- R1 RPD value was outside control limits.
- R2 RPD value was outside control limits due to matrix interference
- 1g Surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining surrogate.
- 2g The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company: **NK Holdings**
Address: **3330 Cumberland Blvd STE 600**
Atlanta, Ga 30339-3371
Email To: **j.kessler@hepaus.com**
Phone: **770-558-9782** Fax: **770-513-9224**
Requested Due Date/TAT: **7-10 day**

Section B Required Project Information:

Report To: **James Kessler**
Copy To: **Chuck Bartholomew**
Purchase Order No.: **4000555**
Project Name: **Imaco**
Project Number: **7420039**

Section C Invoice Information:

Attention: **Accounts Payable**
Company Name: **HEPAUS, Inc.**
Address: **Attn: Box 26308, Charlotte, NC 28221**
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: **1825-1**

Page: **1** of **1**
1135380

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☒ RCRA ☐ OTHER

Site Location

STATE: **NC**

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test ↓	Y/N ↓	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	<i>[Signature]</i>	11/6/17	1240	<i>[Signature]</i>	11-6-17	12:40	8.8	4	2	4

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: **James Kessler**

SIGNATURE of SAMPLER: *[Signature]*

DATE Signed
(MM/DD/YY):

Temp in °C

Received on
Ice (Y/N)

Custody
Cooler
(Y/N)

Samples Intact
(Y/N)

November 26, 2007

Mr. James Kessler
HEPACO
2711 Burch Dr.
Charlotte, NC 28269

RE: Project: IMACO 7420039
Pace Project No.: 928210

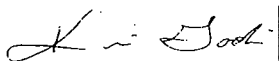
Dear Mr. Kessler:

Enclosed are the analytical results for sample(s) received by the laboratory on November 19, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 11

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CERTIFICATIONS

Project: IMACO 7420039
Pace Project No.: 928210

Charlotte Certification IDs

Florida/NELAP Certification Number: E87627
Kansas Certification Number: E-10364
Louisiana/LELAP Certification Number: 04034
North Carolina Drinking Water Certification Number: 37706
North Carolina Wastewater Certification Number: 12

North Carolina Field Services Certification Number: 5342
South Carolina Certification Number: 990060001
South Carolina Bioassay Certification Number: 990060003
Tennessee Certification Number: 04010
Virginia Certification Number: 00213

Asheville Certification IDs

Florida/NELAP Certification Number: E87648
Louisiana/LELAP Certification Number: 03095
New Jersey Certification Number: NC011
North Carolina Drinking Water Certification Number: 37712
North Carolina Wastewater Certification Number: 40
North Carolina Bioassay Certification Number: 9

Pennsylvania Certification Number: 68-03578
South Carolina Certification Number: 99030001
South Carolina Bioassay Certification Number: 99030002
Tennessee Certification Number: 2980
Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738
Virginia Drinking Water Certification Number: 00424

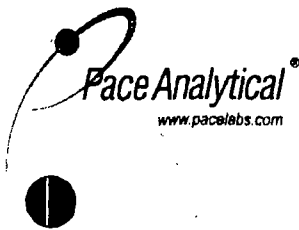
North Carolina Wastewater Certification Number: 633

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9800 Kinney Ave. Suite 100
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(704)875-9092

SAMPLE SUMMARY

Project: IMACO 7420039
Pace Project No.: 928210

Lab ID	Sample ID	Matrix	Date Collected	Date Received
928210002	IMA-CS-TREATED STOCKPILE	Solid	11/19/07 15:00	11/19/07 16:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: IMACO 7420039
Pace Project No.: 928210

Lab ID	Sample ID	Method	Analytes Reported
928210002	IMA-CS-TREATED STOCKPILE	ASTM D2974-87	1
		EPA 6010	7
		EPA 7470	1
		EPA 9045	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: IMACO 7420039
Pace Project No.: 928210

Sample: IMA-CS-TREATED STOCKPILE Lab ID: 928210002 Collected: 11/19/07 15:00 Received: 11/19/07 16:45 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	mg/L	0.025	1	11/25/07 11:00	11/26/07 12:39	7440-38-2	
Barium	0.078	mg/L	0.025	1	11/25/07 11:00	11/26/07 12:39	7440-39-3	
Cadmium	0.016	mg/L	0.0050	1	11/25/07 11:00	11/26/07 12:39	7440-43-9	
Chromium	ND	mg/L	0.025	1	11/25/07 11:00	11/26/07 12:39	7440-47-3	
Lead	0.29	mg/L	0.025	1	11/25/07 11:00	11/26/07 12:39	7439-92-1	
Selenium	ND	mg/L	0.050	1	11/25/07 11:00	11/26/07 12:39	7782-49-2	
Silver	ND	mg/L	0.025	1	11/25/07 11:00	11/26/07 12:39	7440-22-4	
7470 Mercury, TCLP								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	1	11/26/07 11:31	11/26/07 15:36	7439-97-6	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	14.4	%	0.10	1		11/20/07 17:13		
9045 pH Soil								
Analytical Method: EPA 9045								
pH at 25 Degrees C	5.3	Std. Units	0.10	1		11/26/07 06:55		

QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 928210

QC Batch:	PMST/1249	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	928210002		

SAMPLE DUPLICATE: 43853

Parameter	Units	927679001 Result	Dup. Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	24.0	25.3	5	25	

QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 928210

QC Batch: MPRP/1516 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
Associated Lab Samples: 928210002

METHOD BLANK: 45098

Associated Lab Samples: 928210002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	mg/L	ND	0.025	
Barium	mg/L	ND	0.025	
Cadmium	mg/L	ND	0.0050	
Chromium	mg/L	ND	0.025	
Lead	mg/L	ND	0.025	
Selenium	mg/L	ND	0.050	
Silver	mg/L	ND	0.025	

LABORATORY CONTROL SAMPLE: 45099

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.6	103	80-120	
Barium	mg/L	2.5	2.2	87	80-120	
Cadmium	mg/L	2.5	2.4	96	80-120	
Chromium	mg/L	2.5	2.4	94	80-120	
Lead	mg/L	2.5	2.3	92	80-120	
Selenium	mg/L	2.5	2.6	104	80-120	
Silver	mg/L	1.2	1.2	96	80-120	

MATRIX SPIKE SAMPLE: 45100

Parameter	Units	927509001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	ND	2.5	2.4	96	75-125	
Barium	mg/L	0.28	2.5	2.3	79	75-125	
Cadmium	mg/L	ND	2.5	2.2	88	75-125	
Chromium	mg/L	ND	2.5	2.2	89	75-125	
Lead	mg/L	ND	2.5	2.1	85	75-125	
Selenium	mg/L	ND	2.5	2.4	95	75-125	
Silver	mg/L	ND	1.2	1.1	89	75-125	

SAMPLE DUPLICATE: 45101

Parameter	Units	928210002 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	mg/L	ND	ND	117	20	
Barium	mg/L	0.078	0.072	7	20	
Cadmium	mg/L	0.016	0.015	7	20	
Chromium	mg/L	ND	ND	66	20	
Lead	mg/L	0.29	0.26	9	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: IMACO 7420039

Pace Project No.: 928210

SAMPLE DUPLICATE: 45101

Parameter	Units	928210002 Result	Dup Result	RPD	Max RPD	Qualifiers
Selenium	mg/L	ND	ND	125	20	
Silver	mg/L	ND	.0017J	55	20	



Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kinney Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 928210

QC Batch: WET/2183 Analysis Method: EPA 9045
QC Batch Method: EPA 9045 Analysis Description: 9045 pH
Associated Lab Samples: 928210002

SAMPLE DUPLICATE: 45127

Parameter	Units	928210002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C.	Std. Units	5.3	5.3	.9	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 928210

QC Batch:	MERP/1181	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury TCLP
Associated Lab Samples:	928210002		

METHOD BLANK: 45165

Associated Lab Samples: 928210002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 45166

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.4	96	80-120	

MATRIX SPIKE SAMPLE: 45167

Parameter	Units	927509001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.7	107	75-125	

SAMPLE DUPLICATE: 45168

Parameter	Units	928210002 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND	0	20	

QUALIFIERS

Project: IMACO 7420039
Pace Project No.: 928210

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

January 16, 2008

Mr. James Kessler
HEPACO
2711 Burch Dr.
Charlotte, NC 28269

RE: Project: IMACO 7420039 TCLP
Pace Project No.: 9211515

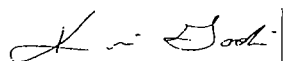
Dear Mr. Kessler:

Enclosed are the analytical results for sample(s) received by the laboratory on January 11, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 10

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CERTIFICATIONS

Project: IMACO 7420039 TCLP
Pace Project No.: 9211515

Charlotte Certification IDs

Florida/NELAP Certification Number: E87627
Kansas Certification Number: E-10364
Louisiana/LELAP Certification Number: 04034
North Carolina Drinking Water Certification Number: 37706
North Carolina Wastewater Certification Number: 12

North Carolina Field Services Certification Number: 5342
South Carolina Certification Number: 990060001
South Carolina Bioassay Certification Number: 990060003
Tennessee Certification Number: 04010
Virginia Certification Number: 00213

Asheville Certification IDs

Florida/NELAP Certification Number: E87648
Louisiana/LELAP Certification Number: 03095
New Jersey Certification Number: NC011
North Carolina Drinking Water Certification Number: 37712
North Carolina Wastewater Certification Number: 40
North Carolina Bioassay Certification Number: 9

Pennsylvania Certification Number: 68-03578
South Carolina Certification Number: 99030001
South Carolina Bioassay Certification Number: 99030002
Tennessee Certification Number: 2980
Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738
Virginia Drinking Water Certification Number: 00424

North Carolina Wastewater Certification Number: 633

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: IMACO 7420039 TCLP
Pace Project No.: 9211515

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9211515001	IMA-CA-STOCKPILE #7	Solid	01/10/08 11:10	01/11/08 13:40
9211515002	IMA-CA-STOCKPILE #8	Solid	01/11/08 09:25	01/11/08 13:40

REPORT OF LABORATORY ANALYSIS

Page 3 of 10

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SAMPLE ANALYTE COUNT

Project: IMACO 7420039 TCLP
Pace Project No.: 9211515

Lab ID	Sample ID	Method	Analysts	Analytes Reported
9211515001	IMA-CA-STOCKPILE #7	EPA 6010	SHB	7
		EPA 7470	JMW	1
		EPA 9045	DMN	1
9211515002	IMA-CA-STOCKPILE #8	EPA 6010	SHB	7
		EPA 7470	JMW	1
		EPA 9045	DMN	1

REPORT OF LABORATORY ANALYSIS

Page 4 of 10

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ANALYTICAL RESULTS

Project: IMACO 7420039 TCLP
Pace Project No.: 9211515

Sample: IMA-CA-STOCKPILE #7 **Lab ID: 9211515001** Collected: 01/10/08 11:10 Received: 01/11/08 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	0.12	mg/L	0.025	1	01/16/08 10:15	01/16/08 14:56	7440-38-2	
Barium	ND	mg/L	0.025	1	01/16/08 10:15	01/16/08 14:56	7440-39-3	
Cadmium	0.12	mg/L	0.0050	1	01/16/08 10:15	01/16/08 14:56	7440-43-9	
Chromium	ND	mg/L	0.025	1	01/16/08 10:15	01/16/08 14:56	7440-47-3	
Lead	0.27	mg/L	0.025	1	01/16/08 10:15	01/16/08 14:56	7439-92-1	
Selenium	ND	mg/L	0.050	1	01/16/08 10:15	01/16/08 14:56	7782-49-2	
Silver	ND	mg/L	0.025	1	01/16/08 10:15	01/16/08 14:56	7440-22-4	
7470 Mercury, TCLP Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	1	01/16/08 11:05	01/16/08 15:41	7439-97-6	
9045 pH Soil Analytical Method: EPA 9045								
pH at 25 Degrees C	4.6	Std. Units	0.10	1		01/16/08 06:25		

Sample: IMA-CA-STOCKPILE #8 **Lab ID: 9211515002** Collected: 01/11/08 09:25 Received: 01/11/08 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	0.084	mg/L	0.025	1	01/16/08 10:15	01/16/08 15:15	7440-38-2	
Barium	ND	mg/L	0.025	1	01/16/08 10:15	01/16/08 15:15	7440-39-3	
Cadmium	0.11	mg/L	0.0050	1	01/16/08 10:15	01/16/08 15:15	7440-43-9	
Chromium	ND	mg/L	0.025	1	01/16/08 10:15	01/16/08 15:15	7440-47-3	
Lead	0.21	mg/L	0.025	1	01/16/08 10:15	01/16/08 15:15	7439-92-1	
Selenium	ND	mg/L	0.050	1	01/16/08 10:15	01/16/08 15:15	7782-49-2	
Silver	ND	mg/L	0.025	1	01/16/08 10:15	01/16/08 15:15	7440-22-4	
7470 Mercury, TCLP Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	1	01/16/08 11:05	01/16/08 15:46	7439-97-6	
9045 pH Soil Analytical Method: EPA 9045								
pH at 25 Degrees C	4.6	Std. Units	0.10	1		01/16/08 06:25		

QUALITY CONTROL DATA

Project: IMACO 7420039 TCLP
Pace Project No.: 9211515

QC Batch: WET/2724 Analysis Method: EPA 9045
QC Batch Method: EPA 9045 Analysis Description: 9045 pH
Associated Lab Samples: 9211515001, 9211515002

SAMPLE DUPLICATE: 64953

Parameter	Units	9211515001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	4.6	4.6	.2	20	

QUALITY CONTROL DATA

Project: IMACO 7420039 TCLP

Pace Project No.: 9211515

QC Batch: MPRP/1746

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET TCLP

Associated Lab Samples: 9211515001, 9211515002

METHOD BLANK: 65013

Associated Lab Samples: 9211515001, 9211515002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	mg/L	ND	0.025	
Barium	mg/L	ND	0.025	
Cadmium	mg/L	ND	0.0050	
Chromium	mg/L	ND	0.025	
Lead	mg/L	ND	0.025	
Selenium	mg/L	ND	0.050	
Silver	mg/L	ND	0.025	

LABORATORY CONTROL SAMPLE: 65014

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.4	97	80-120	
Barium	mg/L	2.5	2.5	98	80-120	
Cadmium	mg/L	2.5	2.2	90	80-120	
Chromium	mg/L	2.5	2.1	85	80-120	
Lead	mg/L	2.5	2.1	85	80-120	
Selenium	mg/L	2.5	2.5	101	80-120	
Silver	mg/L	1.2	1.1	87	80-120	

MATRIX SPIKE SAMPLE: 65015

Parameter	Units	9211515001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.12	2.5	2.4	92	75-125	
Barium	mg/L	ND	2.5	1.9	75	75-125	
Cadmium	mg/L	0.12	2.5	2.2	83	75-125	
Chromium	mg/L	ND	2.5	2.0	78	75-125	
Lead	mg/L	0.27	2.5	2.2	79	75-125	
Selenium	mg/L	ND	2.5	2.2	89	75-125	
Silver	mg/L	ND	1.2	1.0	81	75-125	

SAMPLE DUPLICATE: 65016

Parameter	Units	9211515002 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	mg/L	0.084	0.085	1	20	
Barium	mg/L	ND	0.09J	6	20	
Cadmium	mg/L	0.11	0.11	2	20	
Chromium	mg/L	ND	ND	0	20	
Lead	mg/L	0.21	0.22	3	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: IMACO 7420039 TCLP
Pace Project No.: 9211515

SAMPLE DUPLICATE: 65016

Parameter	Units	9211515002 Result	Dup Result	RPD	Max RPD	Qualifiers
Selenium	mg/L	ND	ND	28	20	
Silver	mg/L	ND	ND	0	20	

QUALITY CONTROL DATA

Project: IMACO 7420039 TCLP

Pace Project No.: 9211515

QC Batch: MERP/1283

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury TCLP

Associated Lab Samples: 9211515001, 9211515002

METHOD BLANK: 65050

Associated Lab Samples: 9211515001, 9211515002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 65051

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.6	104	80-120	

MATRIX SPIKE SAMPLE: 65052

Parameter	Units	9211515001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.6	103	75-125	

SAMPLE DUPLICATE: 65053

Parameter	Units	9211515002 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND	63	20	

QUALIFIERS

Project: IMACO 7420039 TCLP
Pace Project No.: 9211515

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 2
1126633

Section A

Required Client Information:

Company: NR HOLDINGS
Address:
Email To: JRUSSELL@NRHOLDINGS.COM
Phone: 714 414 2112 Fax: 714 514 1224
Requested Due Date/TAT: 7/24/12

Section B

Required Project Information:

Report To: HEPACO, INC.
Copy To:
Purchase Order No.: 40055
Project Name: IMACO
Project Number: 7420037

Section C

Invoice Information:

Attention: ACCTS PAYABLE
Company Name: HEPACO, INC.
Address: PO Box 26308
Pace Quote Reference: CHM06-NC 28221
Pace Project Manager:
Pace Profile #: 1825-2

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☒ RCRA ☐ OTHER

Site Location

STATE: NC

Section D

Required Client Information

SAMPLE ID

(A-Z, 0-9 / -)

Sample IDs MUST BE UNIQUE

Matrix Codes:
MATRIX / CODE

Drinking Water DW
Water WT
Waste Water WW
Product P
Soil/Solid SL
Oil OL
Wipe WP
Air AR
Tissue TS
Other OT

MATRIX CODE (see valid codes to left)

SAMPLE TYPE (G=GRAB C=COMP)

COLLECTED

COMPOSITE
START

COMPOSITE
END/GRAB

DATE TIME DATE TIME

SAMPLE TEMP AT COLLECTION

OF CONTAINERS

Preservatives

Unpreserved
H₂SO₄
HNO₃
HCl
NaOH
Na₂S₂O₃
Methanol
Other

Analysis Test J

Requested Analysis Filtered (Y/N)

Residual Chlorine (Y/N)

Pace Project No./ Lab I.D.

1	IMA-CS-C20-13/12	SL	C	11/4/08	1315	11/4/08	1325	46	2	✓												MS/MSD
2	IMA-CS-D11-15/08	SL	C	11/4/08	1540	11/4/08	1550	46	1	✓												
3	IMA-CS-D14-15/08	SL	C	11/7/08	1103	11/7/08	1140	46	1	✓												
4	IMA-CS-D11-11/08	SL	C	11/7/08	1030	11/7/08	1040	46	1	✓												
5	IMA-CS-B2-15/12	SL	C	11/4/08	1320	11/4/08	1330	46	1	✓												
6	IMA-CS-C15-15/04	SL	C	11/7/08	1415	11/7/08	1425	42	1	✓												
7	IMA-CS-C11-15/04	SL	C	11/7/08	1355	11/7/08	1415	42	1	✓												
8	IMA-CS-C11-15/08	SL	C	11/7/08	1345	11/7/08	1355	42	1	✓												
9	IMA-CS-F11-15/08	SL	C	11/7/08	1100	11/7/08	1110	60	1	✓												
10	IMA-CS-F17-15/08	SL	C	11/7/08	1100	11/7/08	1110	60	1	✓												
11	IMA-CS-STACKPILE #7	SL	C	11/4/08	1100	11/4/08	1110	57	2										✓			7212 TAT 921155
12	IMA-CS-L1-12/08	SL	C	11/4/08	1100	11/4/08	1110	57	1	✓												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<u>[Signature]</u>	<u>11/4/08</u>		<u>[Signature]</u>	<u>11/4/08</u>	<u>1340</u>	<u>5.40</u>

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: ALAN J. GRAHAM

SIGNATURE of SAMPLER: [Signature]

DATE Signed
(MM/DD/YY): 11/4/08

Temp in °C

Received on
ice (Y/N)

Custody
Seal

Samples Intact
(Y/N)

February 04, 2008

Mr. James Kessler
HEPACO
2711 Burch Dr.
Charlotte, NC 28269

RE: Project: IMACO 7420039 TCLP
Pace Project No.: 9212631


Dear Mr. Kessler:

Enclosed are the analytical results for sample(s) received by the laboratory on January 30, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 11

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CERTIFICATIONS

Project: IMACO 7420039 TCLP
Pace Project No.: 9212631

Charlotte Certification IDs

Florida/NELAP Certification Number: E87627
Kansas Certification Number: E-10364
Louisiana/LELAP Certification Number: 04034
North Carolina Drinking Water Certification Number: 37706
North Carolina Wastewater Certification Number: 12

North Carolina Field Services Certification Number: 5342
South Carolina Certification Number: 990060001
South Carolina Bioassay Certification Number: 990060003
Tennessee Certification Number: 04010
Virginia Certification Number: 00213

Asheville Certification IDs

Florida/NELAP Certification Number: E87648
Louisiana/LELAP Certification Number: 03095
New Jersey Certification Number: NC011
North Carolina Drinking Water Certification Number: 37712
North Carolina Wastewater Certification Number: 40
North Carolina Bioassay Certification Number: 9

Pennsylvania Certification Number: 68-03578
South Carolina Certification Number: 99030001
South Carolina Bioassay Certification Number: 99030002
Tennessee Certification Number: 2980
Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738
Virginia Drinking Water Certification Number: 00424

North Carolina Wastewater Certification Number: 633

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: IMACO 7420039 TCLP
Pace Project No.: 9212631

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9212631001	STOCKPILE #9A	Solid	01/30/08 09:40	01/30/08 17:15
9212631002	STOCKPILE #10A	Solid	01/30/08 09:55	01/30/08 17:15
9212631003	STOCKPILE #11	Solid	01/30/08 10:10	01/30/08 17:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: IMACO 7420039 TCLP
Pace Project No.: 9212631

Lab ID	Sample ID	Method	Analysts	Analytes Reported
9212631001	STOCKPILE #9A	EPA 6010	SHB	7
		EPA 7470	SAJ	1
		EPA 9045	JMW	1
9212631002	STOCKPILE #10A	EPA 6010	SHB	7
		EPA 7470	SAJ	1
		EPA 9045	JMW	1
9212631003	STOCKPILE #11	EPA 6010	SHB	7
		EPA 7470	SAJ	1
		EPA 9045	JMW	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: IMACO 7420039 TCLP

Pace Project No.: 9212631

Sample: STOCKPILE #9A **Lab ID: 9212631001** Collected: 01/30/08 09:40 Received: 01/30/08 17:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	0.096	mg/L	0.025	1	02/04/08 09:30	02/04/08 14:08	7440-38-2	
Barium	ND	mg/L	0.025	1	02/04/08 09:30	02/04/08 14:08	7440-39-3	
Cadmium	0.19	mg/L	0.0050	1	02/04/08 09:30	02/04/08 14:08	7440-43-9	
Chromium	ND	mg/L	0.025	1	02/04/08 09:30	02/04/08 14:08	7440-47-3	
Lead	0.081	mg/L	0.025	1	02/04/08 09:30	02/04/08 14:08	7439-92-1	
Selenium	ND	mg/L	0.050	1	02/04/08 09:30	02/04/08 14:08	7782-49-2	
Silver	ND	mg/L	0.025	1	02/04/08 09:30	02/04/08 14:08	7440-22-4	
7470 Mercury, TCLP Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	1	02/04/08 11:49	02/04/08 12:37	7439-97-6	
9045 pH Soil Analytical Method: EPA 9045								
pH at 25 Degrees C	3.8	Std. Units	0.10	1		02/01/08 16:01		

Sample: STOCKPILE #10A **Lab ID: 9212631002** Collected: 01/30/08 09:55 Received: 01/30/08 17:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	0.28	mg/L	0.025	1	02/04/08 09:30	02/04/08 14:16	7440-38-2	
Barium	ND	mg/L	0.025	1	02/04/08 09:30	02/04/08 14:16	7440-39-3	
Cadmium	0.39	mg/L	0.0050	1	02/04/08 09:30	02/04/08 14:16	7440-43-9	
Chromium	ND	mg/L	0.025	1	02/04/08 09:30	02/04/08 14:16	7440-47-3	
Lead	ND	mg/L	0.025	1	02/04/08 09:30	02/04/08 14:16	7439-92-1	
Selenium	ND	mg/L	0.050	1	02/04/08 09:30	02/04/08 14:16	7782-49-2	
Silver	ND	mg/L	0.025	1	02/04/08 09:30	02/04/08 14:16	7440-22-4	
7470 Mercury, TCLP Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	1	02/04/08 11:49	02/04/08 12:42	7439-97-6	
9045 pH Soil Analytical Method: EPA 9045								
pH at 25 Degrees C	3.4	Std. Units	0.10	1		02/01/08 16:01		

Sample: STOCKPILE #11 **Lab ID: 9212631003** Collected: 01/30/08 10:10 Received: 01/30/08 17:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	0.10	mg/L	0.025	1	02/04/08 09:30	02/04/08 14:25	7440-38-2	
Barium	ND	mg/L	0.025	1	02/04/08 09:30	02/04/08 14:25	7440-39-3	
Cadmium	0.11	mg/L	0.0050	1	02/04/08 09:30	02/04/08 14:25	7440-43-9	

Date: 02/04/2008 04:26 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: IMACO 7420039 TCLP
Pace Project No.: 9212631

Sample: STOCKPILE #11 Lab ID: 9212631003 Collected: 01/30/08 10:10 Received: 01/30/08 17:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Chromium	ND	mg/L	0.025	1	02/04/08 09:30	02/04/08 14:25	7440-47-3	
Lead	0.18	mg/L	0.025	1	02/04/08 09:30	02/04/08 14:25	7439-92-1	
Selenium	ND	mg/L	0.050	1	02/04/08 09:30	02/04/08 14:25	7782-49-2	
Silver	ND	mg/L	0.025	1	02/04/08 09:30	02/04/08 14:25	7440-22-4	
7470 Mercury, TCLP								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	1	02/04/08 11:49	02/04/08 12:46	7439-97-6	
9045 pH Soil								
Analytical Method: EPA 9045								
pH at 25 Degrees C	4.9	Std. Units	0.10	1		02/01/08 16:01		

QUALITY CONTROL DATA

Project: IMACO 7420039 TCLP
Pace Project No.: 9212631

QC Batch: MERP/1308 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 9212631001, 9212631002, 9212631003

METHOD BLANK: 72397

Associated Lab Samples: 9212631001, 9212631002, 9212631003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 72398

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.5	99	80-120	

MATRIX SPIKE SAMPLE: 72399

Parameter	Units	9212631001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.4	95	75-125	

SAMPLE DUPLICATE: 72400

Parameter	Units	9212631002 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND	85	20	

QUALITY CONTROL DATA

Project: IMACO 7420039 TCLP
Pace Project No.: 9212631

QC Batch: MPRP/1823 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
Associated Lab Samples: 9212631001, 9212631002, 9212631003

METHOD BLANK: 72404

Associated Lab Samples: 9212631001, 9212631002, 9212631003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	mg/L	ND	0.025	
Barium	mg/L	ND	0.025	
Cadmium	mg/L	ND	0.0050	
Chromium	mg/L	ND	0.025	
Lead	mg/L	ND	0.025	
Selenium	mg/L	ND	0.050	
Silver	mg/L	ND	0.025	

LABORATORY CONTROL SAMPLE: 72405

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.6	106	80-120	
Barium	mg/L	2.5	2.4	95	80-120	
Cadmium	mg/L	2.5	2.5	101	80-120	
Chromium	mg/L	2.5	2.5	99	80-120	
Lead	mg/L	2.5	2.4	96	80-120	
Selenium	mg/L	2.5	2.7	108	80-120	
Silver	mg/L	1.2	1.2	97	80-120	

MATRIX SPIKE SAMPLE: 72406

Parameter	Units	9212631001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.096	2.5	2.7	103	75-125	
Barium	mg/L	ND	2.5	2.3	93	75-125	
Cadmium	mg/L	0.19	2.5	2.6	96	75-125	
Chromium	mg/L	ND	2.5	2.4	94	75-125	
Lead	mg/L	0.081	2.5	2.4	93	75-125	
Selenium	mg/L	ND	2.5	2.3	90	75-125	
Silver	mg/L	ND	1.2	1.2	94	75-125	

SAMPLE DUPLICATE: 72407

Parameter	Units	9212631002 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	mg/L	0.28	0.28	3	20	
Barium	mg/L	ND	.012J	2	20	
Cadmium	mg/L	0.39	0.39	4	20	
Chromium	mg/L	ND	.0034J	126	20	
Lead	mg/L	ND	.024J	4	20	

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QUALITY CONTROL DATA

Project: IMACO 7420039 TCLP

Pace Project No.: 9212631

SAMPLE DUPLICATE: 72407

Parameter	Units	9212631002 Result	Dup Result	RPD	Max RPD	Qualifiers
Selenium	mg/L	ND	ND	102	20	
Silver	mg/L	ND	.002J	2	20	

QUALITY CONTROL DATA

Project: IMACO 7420039 TCLP
Pace Project No.: 9212631

QC Batch: WET/2949 Analysis Method: EPA 9045
QC Batch Method: EPA 9045 Analysis Description: 9045 pH
Associated Lab Samples: 9212631001, 9212631002, 9212631003

SAMPLE DUPLICATE: 72618

Parameter	Units	9212631001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	3.8	3.8	0	20	

QUALIFIERS

Project: IMACO 7420039 TCLP
Pace Project No.: 9212631

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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March 03, 2008

Mr. James Kessler
HEPACO
2711 Burch Dr.
Charlotte, NC 28269

RE: Project: IMACO 7420039 TCLP
Pace Project No.: 9214318

Dear Mr. Kessler:

Enclosed are the analytical results for sample(s) received by the laboratory on February 27, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: IMACO 7420039 TCLP

Pace Project No.: 9214318

Charlotte Certification IDs

Florida/NELAP Certification Number: E87627

Kansas Certification Number: E-10364

Louisiana/LELAP Certification Number: 04034

North Carolina Drinking Water Certification Number: 37706

North Carolina Wastewater Certification Number: 12

North Carolina Field Services Certification Number: 5342

South Carolina Certification Number: 990060001

South Carolina Bioassay Certification Number: 990060003

Tennessee Certification Number: 04010

Virginia Certification Number: 00213

Asheville Certification IDs

Florida/NELAP Certification Number: E87648

Louisiana/LELAP Certification Number: 03095

New Jersey Certification Number: NC011

North Carolina Drinking Water Certification Number: 37712

North Carolina Wastewater Certification Number: 40

North Carolina Bioassay Certification Number: 9

Pennsylvania Certification Number: 68-03578

South Carolina Certification Number: 99030001

South Carolina Bioassay Certification Number: 99030002

Tennessee Certification Number: 2980

Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738

Virginia Drinking Water Certification Number: 00424

North Carolina Wastewater Certification Number: 633

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: IMACO 7420039 TCLP
Pace Project No.: 9214318

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9214318001	IMA-UNKNOWN SOLID #1	Solid	02/27/08 13:00	02/27/08 14:30
9214318002	IMA-UNKNOWN SOLID #2	Solid	02/27/08 12:59	02/27/08 14:30

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SAMPLE ANALYTE COUNT

Project: IMACO 7420039 TCLP
Pace Project No.: 9214318

Lab ID	Sample ID	Method	Analysts	Analytes Reported
9214318001	IMA-UNKNOWN SOLID #1	EPA 6010	SHB	7
		EPA 7470	JMW	1
9214318002	IMA-UNKNOWN SOLID #2	EPA 6010	SHB	7
		EPA 7470	JMW	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: IMACO 7420039 TCLP
Pace Project No.: 9214318

Sample: IMA-UNKNOWN SOLID #1 Lab ID: 9214318001 Collected: 02/27/08 13:00 Received: 02/27/08 14:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	mg/L	0.025	1	03/03/08 12:16	03/03/08 15:01	7440-38-2	
Barium	0.10	mg/L	0.025	1	03/03/08 12:16	03/03/08 15:01	7440-39-3	
Cadmium	ND	mg/L	0.0050	1	03/03/08 12:16	03/03/08 15:01	7440-43-9	
Chromium	0.95	mg/L	0.025	1	03/03/08 12:16	03/03/08 15:01	7440-47-3	
Lead	0.57	mg/L	0.025	1	03/03/08 12:16	03/03/08 15:01	7439-92-1	
Selenium	ND	mg/L	0.050	1	03/03/08 12:16	03/03/08 15:01	7782-49-2	
Silver	ND	mg/L	0.025	1	03/03/08 12:16	03/03/08 15:01	7440-22-4	
7470 Mercury, TCLP Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	0.35	ug/L	0.20	1	03/03/08 09:53	03/03/08 13:21	7439-97-6	

Sample: IMA-UNKNOWN SOLID #2 Lab ID: 9214318002 Collected: 02/27/08 12:59 Received: 02/27/08 14:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND	mg/L	0.025	1	03/03/08 12:16	03/03/08 15:08	7440-38-2	
Barium	0.38	mg/L	0.025	1	03/03/08 12:16	03/03/08 15:08	7440-39-3	
Cadmium	0.095	mg/L	0.0050	1	03/03/08 12:16	03/03/08 15:08	7440-43-9	
Chromium	ND	mg/L	0.025	1	03/03/08 12:16	03/03/08 15:08	7440-47-3	
Lead	213	mg/L	0.25	10	03/03/08 12:16	03/03/08 15:59	7439-92-1	
Selenium	ND	mg/L	0.050	1	03/03/08 12:16	03/03/08 15:08	7782-49-2	
Silver	ND	mg/L	0.025	1	03/03/08 12:16	03/03/08 15:08	7440-22-4	
7470 Mercury, TCLP Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	1	03/03/08 09:53	03/03/08 13:24	7439-97-6	

QUALITY CONTROL DATA

Project: IMACO 7420039 TCLP
Pace Project No.: 9214318

QC Batch: MERP/1354 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 9214318001, 9214318002

METHOD BLANK: 83596

Associated Lab Samples: 9214318001, 9214318002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 83597

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.6	104	80-120	

MATRIX SPIKE SAMPLE: 83598

Parameter	Units	9213875001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.2	80	75-125	

SAMPLE DUPLICATE: 83599

Parameter	Units	9213875002 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	ND	6	20	

QUALITY CONTROL DATA

Project: IMACO 7420039 TCLP
Pace Project No.: 9214318

QC Batch: MPRP/1952 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
Associated Lab Samples: 9214318001, 9214318002

METHOD BLANK: 83601

Associated Lab Samples: 9214318001, 9214318002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	mg/L	ND	0.025	
Barium	mg/L	ND	0.025	
Cadmium	mg/L	ND	0.0050	
Chromium	mg/L	ND	0.025	
Lead	mg/L	ND	0.025	
Selenium	mg/L	ND	0.050	
Silver	mg/L	ND	0.025	

LABORATORY CONTROL SAMPLE: 83602

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.5	101	80-120	
Barium	mg/L	2.5	2.1	83	80-120	
Cadmium	mg/L	2.5	2.3	93	80-120	
Chromium	mg/L	2.5	2.4	95	80-120	
Lead	mg/L	2.5	2.3	93	80-120	
Selenium	mg/L	2.5	2.5	99	80-120	
Silver	mg/L	1.2	1.1	86	80-120	

MATRIX SPIKE SAMPLE: 83603

Parameter	Units	9214151001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	ND	2.5	2.5	98	75-125	
Barium	mg/L	1300 ug/L	2.5	3.2	77	75-125	
Cadmium	mg/L	5.05 ug/L	2.5	2.2	87	75-125	
Chromium	mg/L	ND	2.5	2.3	90	75-125	
Lead	mg/L	ND	2.5	2.0	82	75-125	
Selenium	mg/L	ND	2.5	2.5	99	75-125	
Silver	mg/L	ND	1.2	1.0	84	75-125	

SAMPLE DUPLICATE: 83604

Parameter	Units	9214318001 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	mg/L	ND	ND	144	20	
Barium	mg/L	0.10	0.097	6	20	
Cadmium	mg/L	ND	ND	18	20	
Chromium	mg/L	0.95	0.85	11	20	
Lead	mg/L	0.57	0.53	7	20	

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QUALITY CONTROL DATA

Project: IMACO 7420039 TCLP
Pace Project No.: 9214318

SAMPLE DUPLICATE: 83604

Parameter	Units	9214318001 Result	Dup Result	RPD	Max RPD	Qualifiers
Selenium	mg/L	ND	ND	33	20	
Silver	mg/L	ND	ND	0	20	

QUALIFIERS

Project: IMACO 7420039 TCLP
Pace Project No.: 9214318

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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CHAIN-OF-CUS DY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: / of /	
Company: NK HOLDINGS		Report To: HEPACO, INC.		Attention: ACCTS PAYABLE		1135002	
Address:		Copy To:		Company Name: HEPACO, INC.		REGULATORY AGENCY	
Email To: JKESS@HEPACO.COM		Purchase Order No.:		Address: 2411 BUNCH DR.		<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input checked="" type="checkbox"/> RCRA <input type="checkbox"/> OTHER	
Phone: 204-924-2114 Fax: 204-588-9224		Project Name: IMACO		Pace Quote Reference: Charlotte, NC		Site Location	
Requested Due Date/TAT:		Project Number: 7420039		Pace Project Manager:		STATE:	
				Pace Profile #: 1825-13			

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test ↓	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other						
					DATE	TIME	DATE	TIME																
1	IMA-UNKNOWN SOLID #1	SL C	2/27/08 12:58					41	1	✓								✓	✓	9214318001				
2	IMA-UNKNOWN SOLID #2	SL C	2/27/08 12:59					41	1	✓								✓	✓	9214318001				
3	IMA-DECONTANK	SL C	2/27/08 12:58					41	1	✓								✓	✓	9214319001				
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Anthony Graham	2/27/08		Chloe...	2/27/08	14:30	10.8	4	~	4

ORIGINAL

SAMPLER NAME AND SIGNATURE: <u>Anthony Graham</u>		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <u>Anthony Graham</u>					
SIGNATURE of SAMPLER: <u>Anthony Graham</u>					
DATE Signed (MM/DD/YY): <u>2/27/08</u>					

April 15, 2008

Mr. James Kessler
HEPACO
2711 Burch Dr.
Charlotte, NC 28269

RE: Project: IMACO 7420039
Pace Project No.: 9217155

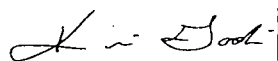
Dear Mr. Kessler:

Enclosed are the analytical results for sample(s) received by the laboratory on April 10, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 9

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CERTIFICATIONS

Project: IMACO 7420039

Pace Project No.: 9217155

Charlotte Certification IDs

Florida/NELAP Certification Number: E87627

Kansas Certification Number: E-10364

Louisiana/LELAP Certification Number: 04034

North Carolina Drinking Water Certification Number: 37706

North Carolina Wastewater Certification Number: 12

North Carolina Field Services Certification Number: 5342

South Carolina Certification Number: 990060001

South Carolina Bioassay Certification Number: 990060003

Tennessee Certification Number: 04010

Virginia Certification Number: 00213

Asheville Certification IDs

Florida/NELAP Certification Number: E87648

Louisiana/LELAP Certification Number: 03095

New Jersey Certification Number: NC011

North Carolina Drinking Water Certification Number: 37712

North Carolina Wastewater Certification Number: 40

North Carolina Bioassay Certification Number: 9

Pennsylvania Certification Number: 68-03578

South Carolina Certification Number: 99030001

South Carolina Bioassay Certification Number: 99030002

Tennessee Certification Number: 2980

Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738

Virginia Drinking Water Certification Number: 00424

North Carolina Wastewater Certification Number: 633

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: IMACO 7420039

Pace Project No.: 9217155

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9217155001	IWA DOWN #1	Solid	04/10/08 11:40	04/10/08 15:35

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kinney Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: IMACO 7420039
Pace Project No.: 9217155

Lab ID	Sample ID	Method	Analysts	Analytes Reported
9217155001	IWA DOWN #1	EPA 6010	SAJ	7
		EPA 7470	SHB	1

REPORT OF LABORATORY ANALYSIS

Page 4 of 9

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ANALYTICAL RESULTS

Project: IMACO 7420039
Pace Project No.: 9217155

Sample: IWA DOWN #1 Lab ID: 9217155001 Collected: 04/10/08 11:40 Received: 04/10/08 15:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	0.13	mg/L	0.025	1	04/14/08 08:11	04/15/08 11:12	7440-38-2	
Barium	ND	mg/L	0.025	1	04/14/08 08:11	04/15/08 11:12	7440-39-3	
Cadmium	0.030	mg/L	0.0050	1	04/14/08 08:11	04/15/08 11:12	7440-43-9	
Chromium	ND	mg/L	0.025	1	04/14/08 08:11	04/15/08 11:12	7440-47-3	
Lead	0.042	mg/L	0.025	1	04/14/08 08:11	04/15/08 11:12	7439-92-1	
Selenium	ND	mg/L	0.050	1	04/14/08 08:11	04/15/08 11:12	7782-49-2	
Silver	ND	mg/L	0.025	1	04/14/08 08:11	04/15/08 11:12	7440-22-4	
7470 Mercury, TCLP								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	1	04/14/08 14:00	04/14/08 16:56	7439-97-6	

QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 9217155

QC Batch: MERP/1426	Analysis Method: EPA 7470
QC Batch Method: EPA 7470	Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 9217155001	

METHOD BLANK: 101064

Associated Lab Samples: 9217155001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 101065

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.7	108	80-120	

MATRIX SPIKE SAMPLE: 101066

Parameter	Units	9217155001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.7	102	75-125	

SAMPLE DUPLICATE: 101067

Parameter	Units	9216868001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	2.4	2.4	4	20	

QUALITY CONTROL DATA

Project: IMACO 7420039

Pace Project No.: 9217155

QC Batch: MPRP/2187

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET TCLP

Associated Lab Samples: 9217155001

METHOD BLANK: 101136

Associated Lab Samples: 9217155001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Arsenic	mg/L	ND	0.025	
Barium	mg/L	ND	0.025	
Cadmium	mg/L	ND	0.0050	
Chromium	mg/L	ND	0.025	
Lead	mg/L	ND	0.025	
Selenium	mg/L	ND	0.050	
Silver	mg/L	ND	0.025	

LABORATORY CONTROL SAMPLE: 101137

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	2.5	2.6	102	80-120	
Barium	mg/L	2.5	2.2	87	80-120	
Cadmium	mg/L	2.5	2.4	97	80-120	
Chromium	mg/L	2.5	2.4	96	80-120	
Lead	mg/L	2.5	2.4	94	80-120	
Selenium	mg/L	2.5	2.6	104	80-120	
Silver	mg/L	1.2	1.2	98	80-120	

MATRIX SPIKE SAMPLE: 101138

Parameter	Units	9217155001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.13	2.5	2.8	105	75-125	
Barium	mg/L	ND	2.5	2.5	99	75-125	
Cadmium	mg/L	0.030	2.5	2.6	102	75-125	
Chromium	mg/L	ND	2.5	2.6	103	75-125	
Lead	mg/L	0.042	2.5	2.6	103	75-125	
Selenium	mg/L	ND	2.5	2.7	106	75-125	
Silver	mg/L	ND	1.2	1.3	102	75-125	

SAMPLE DUPLICATE: 101139

Parameter	Units	9216868001 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	mg/L	0.031	0.026	17	20	
Barium	mg/L	2.1	2.2	2	20	
Cadmium	mg/L	0.019	0.019	2	20	
Chromium	mg/L	0.13	0.13	1	20	
Lead	mg/L	0.66	0.67	2	20	

te: 04/15/2008 04:01 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: IMACO 7420039
Pace Project No.: 9217155

SAMPLE DUPLICATE: 101139

Parameter	Units	9216868001 Result	Dup Result	RPD	Max RPD	Qualifiers
Selenium	mg/L	0.096	0.088	10	20	
Silver	mg/L	ND	ND	109	20	

QUALIFIERS

Project: IMACO 7420039
Pace Project No.: 9217155

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

CHAIN-OF-CUST Y / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company: **H K Holdings**
Address:
Email To: **SKessler@hkpac.com**
Phone: **(704) 524-8850**
Requested Due Date/TAT: **72 hr**

Section B Required Project Information:

Report To: **Hepaco Inc.**
Copy To:
Purchase Order No.: **400055**
Project Name: **Impact**
Project Number: **7420039**

Section C Invoice Information:

Attention: **Deeds Payable**
Company Name: **Hepaco Inc.**
Address: **P.O. Box 24308**
City/State: **Charlotte, NC**
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: **1825-4**

Page: **1** of **1**
1171428

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location: **STATE:**

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analytical Test	V/N	Residual Chlorine (Y/N)	9217155 9210455 Pace Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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1	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Drinking Water	DW	SL G	4/10	11:30	4/10	11:40	1	✓																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	C. Bartholomew	4/10	1900				
	A. Graham	4/10	1535	Unwore	4/10	1535	N N Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: **C. Bartholomew**

SIGNATURE of SAMPLER: **C. Bartholomew** DATE Signed (MM/DD/YY):

Temp in °C
Received on Ice (Y/N)
Custody Sealed Cooler (Y/N)
Samples Intact (Y/N)