

April 16, 2009

Ms. Amanda Welch
Shaw E&I
One Ecusta Road
Brevard, NC 28712

RE: Project: ECUSTA SLABS 131497
Pace Project No.: 9241082

Dear Ms. Welch:

Enclosed are the analytical results for sample(s) received by the laboratory on March 31, 2009. 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,



Erin Waters for
Brenda Pathammavong
brenda.pathammavong@pacelabs.com
Project Manager

Enclosures

cc: Mr. Ronald Kenyon, Shaw E&I

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: ECUSTA SLABS 131497

Pace Project No.: 9241082

Charlotte Certification IDs

West Virginia Certification #: 357
Virginia Certification #: 00213
Tennessee Certification #: 04010
South Carolina Drinking Water Cert. #: 990060003
South Carolina Certification #: 990060001
Pennsylvania Certification #: 68-00784
Connecticut Certification #: PH-0104

North Carolina Field Services Certification #: 5342
North Carolina Drinking Water Certification #: 37706
New Jersey Certification #: NC012
Louisiana/LELAP Certification #: 04034
Kentucky UST Certification #: 84
Florida/NELAP Certification #: E87627
North Carolina Wastewater Certification #: 12

Asheville Certification IDs

West Virginia Certification #: 356
Virginia Certification #: 00072
Connecticut Certification #: PH-0106
Florida/NELAP Certification #: E87648
Tennessee Certification #: 2980
South Carolina Certification #: 99030001
South Carolina Bioassay Certification #: 99030002

Pennsylvania Certification #: 68-03578
North Carolina Wastewater Certification #: 40
North Carolina Drinking Water Certification #: 37712
North Carolina Bioassay Certification #: 9
New Jersey Certification #: NC011
Massachusetts Certification #: M-NC030
Louisiana/LELAP Certification #: 03095

Eden Certification IDs

North Carolina Wastewater Certification #: 633
Virginia Drinking Water Certification #: 00424

North Carolina Drinking Water Certification #: 37738

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: ECUSTA SLABS 131497

Pace Project No.: 9241082

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9241082001	B31-WD-1	Solid	03/30/09 15:45	03/31/09 13:45

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SAMPLE ANALYTE COUNT

Project: ECUSTA SLABS 131497

Pace Project No.: 9241082

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9241082001	B31-WD-1	ASTM D2974-87	TNM	1	PASI-C
		EPA 6010	SHB	7	PASI-A
		EPA 7471	SHB	1	PASI-A
		EPA 8082	JEM	8	PASI-C
		EPA 8260	DLK	71	PASI-C

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ANALYTICAL RESULTS

Project: ECUSTA SLABS 131497

Pace Project No.: 9241082

Sample: B31-WD-1 **Lab ID: 9241082001** Collected: 03/30/09 15:45 Received: 03/31/09 13:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082 Preparation Method: EPA 3546									
PCB-1016 (Aroclor 1016)	ND	ug/kg	3970	963	50	04/02/09 11:01	04/06/09 16:18	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	3970	1810	50	04/02/09 11:01	04/06/09 16:18	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	3970	1810	50	04/02/09 11:01	04/06/09 16:18	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	3970	1810	50	04/02/09 11:01	04/06/09 16:18	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	3970	1810	50	04/02/09 11:01	04/06/09 16:18	12672-29-6	
PCB-1254 (Aroclor 1254)	41500	ug/kg	3970	1810	50	04/02/09 11:01	04/06/09 16:18	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	3970	602	50	04/02/09 11:01	04/06/09 16:18	11096-82-5	
Decachlorobiphenyl (S)	0	%	50-150		50	04/02/09 11:01	04/06/09 16:18	2051-24-3	D4,S4
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	ND	mg/kg	0.40	0.26	1	04/15/09 11:30	04/15/09 15:04	7440-38-2	
Barium	10	mg/kg	0.40	0.016	1	04/15/09 11:30	04/15/09 15:04	7440-39-3	
Cadmium	0.15	mg/kg	0.080	0.048	1	04/15/09 11:30	04/15/09 15:04	7440-43-9	
Chromium	1.6	mg/kg	0.40	0.024	1	04/15/09 11:30	04/15/09 15:04	7440-47-3	
Lead	25.0	mg/kg	0.40	0.39	1	04/15/09 11:30	04/15/09 15:04	7439-92-1	M0
Selenium	ND	mg/kg	0.80	0.31	1	04/15/09 11:30	04/15/09 15:04	7782-49-2	
Silver	ND	mg/kg	0.40	0.024	1	04/15/09 11:30	04/15/09 15:04	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.78	mg/kg	0.055	0.0011	10	04/15/09 11:45	04/15/09 19:13	7439-97-6	M0,R1
8260 MSV 5030 Low Level Analytical Method: EPA 8260									
Acetone	ND	ug/kg	6020	602	50		04/02/09 11:00	67-64-1	
Benzene	ND	ug/kg	301	96.3	50		04/02/09 11:00	71-43-2	
Bromobenzene	ND	ug/kg	301	120	50		04/02/09 11:00	108-86-1	
Bromochloromethane	ND	ug/kg	301	102	50		04/02/09 11:00	74-97-5	
Bromodichloromethane	ND	ug/kg	301	114	50		04/02/09 11:00	75-27-4	
Bromoform	ND	ug/kg	301	138	50		04/02/09 11:00	75-25-2	
Bromomethane	ND	ug/kg	602	150	50		04/02/09 11:00	74-83-9	
2-Butanone (MEK)	ND	ug/kg	6020	175	50		04/02/09 11:00	78-93-3	
n-Butylbenzene	ND	ug/kg	301	108	50		04/02/09 11:00	104-51-8	
sec-Butylbenzene	ND	ug/kg	301	96.3	50		04/02/09 11:00	135-98-8	
tert-Butylbenzene	ND	ug/kg	301	120	50		04/02/09 11:00	98-06-6	
Carbon tetrachloride	ND	ug/kg	301	157	50		04/02/09 11:00	56-23-5	L1
Chlorobenzene	ND	ug/kg	301	114	50		04/02/09 11:00	108-90-7	
Chloroethane	ND	ug/kg	602	144	50		04/02/09 11:00	75-00-3	
Chloroform	ND	ug/kg	301	96.3	50		04/02/09 11:00	67-66-3	
Chloromethane	ND	ug/kg	602	144	50		04/02/09 11:00	74-87-3	
2-Chlorotoluene	ND	ug/kg	301	102	50		04/02/09 11:00	95-49-8	
4-Chlorotoluene	ND	ug/kg	301	108	50		04/02/09 11:00	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	301	217	50		04/02/09 11:00	96-12-8	
Dibromochloromethane	ND	ug/kg	301	108	50		04/02/09 11:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	301	108	50		04/02/09 11:00	106-93-4	
Dibromomethane	ND	ug/kg	301	150	50		04/02/09 11:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	301	114	50		04/02/09 11:00	95-50-1	

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ANALYTICAL RESULTS

Project: ECUSTA SLABS 131497

Pace Project No.: 9241082

Sample: B31-WD-1 Lab ID: 9241082001 Collected: 03/30/09 15:45 Received: 03/31/09 13:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Low Level		Analytical Method: EPA 8260							
1,3-Dichlorobenzene	ND	ug/kg	301	120	50		04/02/09 11:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	301	102	50		04/02/09 11:00	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	602	217	50		04/02/09 11:00	75-71-8	
1,1-Dichloroethane	ND	ug/kg	301	90.3	50		04/02/09 11:00	75-34-3	
1,2-Dichloroethane	ND	ug/kg	301	132	50		04/02/09 11:00	107-06-2	
1,1-Dichloroethene	ND	ug/kg	301	108	50		04/02/09 11:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	301	84.3	50		04/02/09 11:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	301	114	50		04/02/09 11:00	156-60-5	
1,2-Dichloropropane	ND	ug/kg	301	102	50		04/02/09 11:00	78-87-5	
1,3-Dichloropropane	ND	ug/kg	301	114	50		04/02/09 11:00	142-28-9	
2,2-Dichloropropane	ND	ug/kg	301	102	50		04/02/09 11:00	594-20-7	
1,1-Dichloropropene	ND	ug/kg	301	90.3	50		04/02/09 11:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	301	108	50		04/02/09 11:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	301	90.3	50		04/02/09 11:00	10061-02-6	
Diisopropyl ether	ND	ug/kg	301	102	50		04/02/09 11:00	108-20-3	
Ethylbenzene	ND	ug/kg	301	108	50		04/02/09 11:00	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	301	120	50		04/02/09 11:00	87-68-3	
2-Hexanone	ND	ug/kg	3010	235	50		04/02/09 11:00	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	301	114	50		04/02/09 11:00	98-82-8	
p-Isopropyltoluene	ND	ug/kg	301	102	50		04/02/09 11:00	99-87-6	
Methylene Chloride	ND	ug/kg	1200	181	50		04/02/09 11:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	3010	223	50		04/02/09 11:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	301	90.3	50		04/02/09 11:00	1634-04-4	
Naphthalene	11500	ug/kg	301	72.2	50		04/02/09 11:00	91-20-3	
n-Propylbenzene	ND	ug/kg	301	102	50		04/02/09 11:00	103-65-1	
Styrene	ND	ug/kg	301	108	50		04/02/09 11:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	301	126	50		04/02/09 11:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	301	114	50		04/02/09 11:00	79-34-5	
Tetrachloroethene	ND	ug/kg	301	102	50		04/02/09 11:00	127-18-4	
Toluene	ND	ug/kg	301	108	50		04/02/09 11:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	301	132	50		04/02/09 11:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	301	96.3	50		04/02/09 11:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	301	108	50		04/02/09 11:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	301	126	50		04/02/09 11:00	79-00-5	
Trichloroethene	ND	ug/kg	301	126	50		04/02/09 11:00	79-01-6	
Trichlorofluoromethane	ND	ug/kg	301	132	50		04/02/09 11:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	301	96.3	50		04/02/09 11:00	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	301	120	50		04/02/09 11:00	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	301	108	50		04/02/09 11:00	108-67-8	
Vinyl acetate	ND	ug/kg	3010	530	50		04/02/09 11:00	108-05-4	
Vinyl chloride	ND	ug/kg	602	108	50		04/02/09 11:00	75-01-4	
Xylene (Total)	ND	ug/kg	602	217	50		04/02/09 11:00	1330-20-7	
m&p-Xylene	ND	ug/kg	602	217	50		04/02/09 11:00	1330-20-7	
o-Xylene	ND	ug/kg	301	114	50		04/02/09 11:00	95-47-6	
Dibromofluoromethane (S)	101	%	79-116		50		04/02/09 11:00	1868-53-7	

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ECUSTA SLABS 131497

Pace Project No.: 9241082

Sample: B31-WD-1 **Lab ID: 9241082001** Collected: 03/30/09 15:45 Received: 03/31/09 13:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Low Level		Analytical Method: EPA 8260							
Toluene-d8 (S)	102 %		88-110		50		04/02/09 11:00	2037-26-5	
4-Bromofluorobenzene (S)	90 %		74-115		50		04/02/09 11:00	460-00-4	
1,2-Dichloroethane-d4 (S)	108 %		69-121		50		04/02/09 11:00	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	16.9 %		0.10	0.10	1		04/01/09 16:58		

QUALITY CONTROL DATA

Project: ECUSTA SLABS 131497

Pace Project No.: 9241082

QC Batch: MERP/2075

Analysis Method: EPA 7471

QC Batch Method: EPA 7471

Analysis Description: 7471 Mercury

Associated Lab Samples: 9241082001

METHOD BLANK: 263275

Matrix: Solid

Associated Lab Samples: 9241082001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	04/15/09 16:37	

LABORATORY CONTROL SAMPLE: 263276

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.073	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 263277

263278

Parameter	Units	9241082001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.78	.053	.073	0.66	3.0	-223	3100	75-125	129	20	M0, R1

SAMPLE DUPLICATE: 263279

Parameter	Units	9241961005 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/kg	0.0126	0.013	4	20	

QUALITY CONTROL DATA

Project: ECUSTA SLABS 131497

Pace Project No.: 9241082

QC Batch: PMST/2356

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 9241082001

SAMPLE DUPLICATE: 257206

Parameter	Units	9241072001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.6	6.3	5	25	

SAMPLE DUPLICATE: 257207

Parameter	Units	9241071004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.2	4.9	5	25	

QUALITY CONTROL DATA

Project: ECUSTA SLABS 131497

Pace Project No.: 9241082

QC Batch: OEXT/6327

Analysis Method: EPA 8082

QC Batch Method: EPA 3546

Analysis Description: 8082 GCS PCB

Associated Lab Samples: 9241082001

METHOD BLANK: 258062

Matrix: Solid

Associated Lab Samples: 9241082001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	33.0	04/06/09 12:17	
PCB-1221 (Aroclor 1221)	ug/kg	ND	33.0	04/06/09 12:17	
PCB-1232 (Aroclor 1232)	ug/kg	ND	33.0	04/06/09 12:17	
PCB-1242 (Aroclor 1242)	ug/kg	ND	33.0	04/06/09 12:17	
PCB-1248 (Aroclor 1248)	ug/kg	ND	33.0	04/06/09 12:17	
PCB-1254 (Aroclor 1254)	ug/kg	ND	33.0	04/06/09 12:17	
PCB-1260 (Aroclor 1260)	ug/kg	ND	33.0	04/06/09 12:17	
Decachlorobiphenyl (S)	%	116	50-150	04/06/09 12:17	

LABORATORY CONTROL SAMPLE & LCSD: 258063

258064

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	102	103	61	62	50-150	.5	30	
PCB-1260 (Aroclor 1260)	ug/kg	167	104	102	62	61	50-150	2	30	
Decachlorobiphenyl (S)	%				73	69	50-150			

QUALITY CONTROL DATA

Project: ECUSTA SLABS 131497
Pace Project No.: 9241082

QC Batch:	MPRP/4149	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET
Associated Lab Samples:	9241082001		

METHOD BLANK: 263359 Matrix: Solid
Associated Lab Samples: 9241082001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.50	04/15/09 14:58	
Barium	mg/kg	ND	0.50	04/15/09 14:58	
Cadmium	mg/kg	ND	0.10	04/15/09 14:58	
Chromium	mg/kg	ND	0.50	04/15/09 14:58	
Lead	mg/kg	ND	0.50	04/15/09 14:58	
Selenium	mg/kg	ND	1.0	04/15/09 14:58	
Silver	mg/kg	ND	0.50	04/15/09 14:58	

LABORATORY CONTROL SAMPLE: 263360

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	45.6	91	80-120	
Barium	mg/kg	50	47.2	94	80-120	
Cadmium	mg/kg	50	46.0	92	80-120	
Chromium	mg/kg	50	47.0	94	80-120	
Lead	mg/kg	50	46.3	93	80-120	
Selenium	mg/kg	50	45.0	90	80-120	
Silver	mg/kg	25	23.0	92	80-120	

MATRIX SPIKE SAMPLE: 263361

Parameter	Units	9241082001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	ND	35.4	33.1	93	75-125	
Barium	mg/kg	10	35.4	51.0	116	75-125	
Cadmium	mg/kg	0.15	35.4	31.7	89	75-125	
Chromium	mg/kg	1.6	35.4	35.9	97	75-125	
Lead	mg/kg	25.0	35.4	84.1	167	75-125 MO	
Selenium	mg/kg	ND	35.4	35.8	100	75-125	
Silver	mg/kg	ND	17.7	15.7	88	75-125	

SAMPLE DUPLICATE: 263362

Parameter	Units	9241961005 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	mg/kg	4.88	4.1	17	20	
Barium	mg/kg	12.1	12.0	.5	20	
Cadmium	mg/kg	ND	ND		20	
Chromium	mg/kg	14.0	13.5	4	20	
Lead	mg/kg	5.70	6.1	6	20	

QUALITY CONTROL DATA

Project: ECUSTA SLABS 131497

Pace Project No.: 9241082

SAMPLE DUPLICATE: 263362

Parameter	Units	9241961005 Result	Dup Result	RPD	Max RPD	Qualifiers
Selenium	mg/kg	ND	.5J		20	
Silver	mg/kg	ND	ND		20	

QUALITY CONTROL DATA

Project: ECUSTA SLABS 131497

Pace Project No.: 9241082

QC Batch: MSV/6580

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5030 Low

Associated Lab Samples: 9241082001

METHOD BLANK: 257505

Matrix: Solid

Associated Lab Samples: 9241082001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	04/02/09 02:45	
1,1,1-Trichloroethane	ug/kg	ND	5.0	04/02/09 02:45	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	04/02/09 02:45	
1,1,2-Trichloroethane	ug/kg	ND	5.0	04/02/09 02:45	
1,1-Dichloroethane	ug/kg	ND	5.0	04/02/09 02:45	
1,1-Dichloroethene	ug/kg	ND	5.0	04/02/09 02:45	
1,1-Dichloropropene	ug/kg	ND	5.0	04/02/09 02:45	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	04/02/09 02:45	
1,2,3-Trichloropropane	ug/kg	ND	5.0	04/02/09 02:45	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	04/02/09 02:45	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	04/02/09 02:45	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	04/02/09 02:45	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	04/02/09 02:45	
1,2-Dichlorobenzene	ug/kg	ND	5.0	04/02/09 02:45	
1,2-Dichloroethane	ug/kg	ND	5.0	04/02/09 02:45	
1,2-Dichloropropane	ug/kg	ND	5.0	04/02/09 02:45	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	04/02/09 02:45	
1,3-Dichlorobenzene	ug/kg	ND	5.0	04/02/09 02:45	
1,3-Dichloropropane	ug/kg	ND	5.0	04/02/09 02:45	
1,4-Dichlorobenzene	ug/kg	ND	5.0	04/02/09 02:45	
2,2-Dichloropropane	ug/kg	ND	5.0	04/02/09 02:45	
2-Butanone (MEK)	ug/kg	ND	100	04/02/09 02:45	
2-Chlorotoluene	ug/kg	ND	5.0	04/02/09 02:45	
2-Hexanone	ug/kg	ND	50.0	04/02/09 02:45	
4-Chlorotoluene	ug/kg	ND	5.0	04/02/09 02:45	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	04/02/09 02:45	
Acetone	ug/kg	ND	100	04/02/09 02:45	
Benzene	ug/kg	ND	5.0	04/02/09 02:45	
Bromobenzene	ug/kg	ND	5.0	04/02/09 02:45	
Bromochloromethane	ug/kg	ND	5.0	04/02/09 02:45	
Bromodichloromethane	ug/kg	ND	5.0	04/02/09 02:45	
Bromoform	ug/kg	ND	5.0	04/02/09 02:45	
Bromomethane	ug/kg	ND	10.0	04/02/09 02:45	
Carbon tetrachloride	ug/kg	ND	5.0	04/02/09 02:45	
Chlorobenzene	ug/kg	ND	5.0	04/02/09 02:45	
Chloroethane	ug/kg	ND	10.0	04/02/09 02:45	
Chloroform	ug/kg	ND	5.0	04/02/09 02:45	
Chloromethane	ug/kg	ND	10.0	04/02/09 02:45	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	04/02/09 02:45	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	04/02/09 02:45	
Dibromochloromethane	ug/kg	ND	5.0	04/02/09 02:45	
Dibromomethane	ug/kg	ND	5.0	04/02/09 02:45	
Dichlorodifluoromethane	ug/kg	ND	10.0	04/02/09 02:45	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ECUSTA SLABS 131497

Pace Project No.: 9241082

METHOD BLANK: 257505

Matrix: Solid

Associated Lab Samples: 9241082001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	5.0	04/02/09 02:45	
Ethylbenzene	ug/kg	ND	5.0	04/02/09 02:45	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	04/02/09 02:45	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	04/02/09 02:45	
m&p-Xylene	ug/kg	ND	10.0	04/02/09 02:45	
Methyl-tert-butyl ether	ug/kg	ND	5.0	04/02/09 02:45	
Methylene Chloride	ug/kg	ND	20.0	04/02/09 02:45	
n-Butylbenzene	ug/kg	ND	5.0	04/02/09 02:45	
n-Propylbenzene	ug/kg	ND	5.0	04/02/09 02:45	
Naphthalene	ug/kg	ND	5.0	04/02/09 02:45	
o-Xylene	ug/kg	ND	5.0	04/02/09 02:45	
p-Isopropyltoluene	ug/kg	ND	5.0	04/02/09 02:45	
sec-Butylbenzene	ug/kg	ND	5.0	04/02/09 02:45	
Styrene	ug/kg	ND	5.0	04/02/09 02:45	
tert-Butylbenzene	ug/kg	ND	5.0	04/02/09 02:45	
Tetrachloroethene	ug/kg	ND	5.0	04/02/09 02:45	
Toluene	ug/kg	ND	5.0	04/02/09 02:45	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	04/02/09 02:45	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	04/02/09 02:45	
Trichloroethene	ug/kg	ND	5.0	04/02/09 02:45	
Trichlorofluoromethane	ug/kg	ND	5.0	04/02/09 02:45	
Vinyl acetate	ug/kg	ND	50.0	04/02/09 02:45	
Vinyl chloride	ug/kg	ND	10.0	04/02/09 02:45	
Xylene (Total)	ug/kg	ND	10.0	04/02/09 02:45	
1,2-Dichloroethane-d4 (S)	%	107	69-121	04/02/09 02:45	
4-Bromofluorobenzene (S)	%	92	74-115	04/02/09 02:45	
Dibromofluoromethane (S)	%	104	79-116	04/02/09 02:45	
Toluene-d8 (S)	%	102	88-110	04/02/09 02:45	

LABORATORY CONTROL SAMPLE: 257506

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	60.1	120	75-137	
1,1,1-Trichloroethane	ug/kg	50	61.6	123	70-140	
1,1,2,2-Tetrachloroethane	ug/kg	50	60.9	122	74-133	
1,1,2-Trichloroethane	ug/kg	50	59.5	119	79-129	
1,1-Dichloroethane	ug/kg	50	63.0	126	72-139	
1,1-Dichloroethene	ug/kg	50	60.3	121	69-154	
1,1-Dichloropropene	ug/kg	50	61.1	122	74-138	
1,2,3-Trichlorobenzene	ug/kg	50	61.6	123	71-150	
1,2,3-Trichloropropane	ug/kg	50	60.9	122	74-135	
1,2,4-Trichlorobenzene	ug/kg	50	60.9	122	68-150	
1,2,4-Trimethylbenzene	ug/kg	50	61.2	122	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	50	63.1	126	65-146	
1,2-Dibromoethane (EDB)	ug/kg	50	63.3	127	77-136	

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QUALITY CONTROL DATA

Project: ECUSTA SLABS 131497

Pace Project No.: 9241082

LABORATORY CONTROL SAMPLE: 257506

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	50	60.2	120	75-141	
1,2-Dichloroethane	ug/kg	50	61.9	124	74-134	
1,2-Dichloropropane	ug/kg	50	60.0	120	77-138	
1,3,5-Trimethylbenzene	ug/kg	50	59.5	119	65-128	
1,3-Dichlorobenzene	ug/kg	50	58.8	118	76-133	
1,3-Dichloropropane	ug/kg	50	60.3	121	79-132	
1,4-Dichlorobenzene	ug/kg	50	57.4	115	75-137	
2,2-Dichloropropane	ug/kg	50	57.9	116	73-137	
2-Butanone (MEK)	ug/kg	100	129	129	61-138	
2-Chlorotoluene	ug/kg	50	57.6	115	73-138	
2-Hexanone	ug/kg	100	129	129	58-159	
4-Chlorotoluene	ug/kg	50	59.7	119	75-136	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	128	128	74-139	
Acetone	ug/kg	100	128	128	58-150	
Benzene	ug/kg	50	59.3	119	71-140	
Bromobenzene	ug/kg	50	59.4	119	72-144	
Bromochloromethane	ug/kg	50	60.1	120	78-133	
Bromodichloromethane	ug/kg	50	58.1	116	78-133	
Bromoform	ug/kg	50	57.5	115	74-132	
Bromomethane	ug/kg	50	52.2	104	63-184	
Carbon tetrachloride	ug/kg	50	71.9	144	73-143	L0
Chlorobenzene	ug/kg	50	59.0	118	77-137	
Chloroethane	ug/kg	50	67.0	134	68-146	
Chloroform	ug/kg	50	61.5	123	75-137	
Chloromethane	ug/kg	50	48.8	98	54-143	
cis-1,2-Dichloroethene	ug/kg	50	62.0	124	71-143	
cis-1,3-Dichloropropene	ug/kg	50	62.8	126	76-133	
Dibromochloromethane	ug/kg	50	59.5	119	77-131	
Dibromomethane	ug/kg	50	61.8	124	63-184	
Dichlorodifluoromethane	ug/kg	50	44.5	89	36-173	
Diisopropyl ether	ug/kg	50	61.9	124	68-144	
Ethylbenzene	ug/kg	50	60.7	121	69-141	
Hexachloro-1,3-butadiene	ug/kg	50	59.6	119	70-152	
Isopropylbenzene (Cumene)	ug/kg	50	60.1	120	77-143	
m&p-Xylene	ug/kg	100	121	121	72-138	
Methyl-tert-butyl ether	ug/kg	50	62.9	126	2-138	
Methylene Chloride	ug/kg	50	60.7	121	69-136	
n-Butylbenzene	ug/kg	50	58.7	117	65-128	
n-Propylbenzene	ug/kg	50	59.1	118	72-139	
Naphthalene	ug/kg	50	67.5	135	61-138	
o-Xylene	ug/kg	50	60.1	120	74-137	
p-Isopropyltoluene	ug/kg	50	60.1	120	66-128	
sec-Butylbenzene	ug/kg	50	59.5	119	72-140	
Styrene	ug/kg	50	58.0	116	76-137	
tert-Butylbenzene	ug/kg	50	61.0	122	68-141	
Tetrachloroethene	ug/kg	50	57.8	116	72-136	
Toluene	ug/kg	50	57.9	116	69-139	
trans-1,2-Dichloroethene	ug/kg	50	57.8	116	72-144	

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QUALITY CONTROL DATA

Project: ECUSTA SLABS 131497

Pace Project No.: 9241082

LABORATORY CONTROL SAMPLE: 257506

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	50	62.6	125	73-135	
Trichloroethene	ug/kg	50	60.0	120	75-136	
Trichlorofluoromethane	ug/kg	50	51.2	102	69-144	
Vinyl acetate	ug/kg	100	103	103	50-150	
Vinyl chloride	ug/kg	50	50.7	101	61-145	
Xylene (Total)	ug/kg	150	181	121	73-138	
1,2-Dichloroethane-d4 (S)	%			103	69-121	
4-Bromofluorobenzene (S)	%			100	74-115	
Dibromofluoromethane (S)	%			103	79-116	
Toluene-d8 (S)	%			97	88-110	

QUALIFIERS

Project: ECUSTA SLABS 131497

Pace Project No.: 9241082

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.

U - Indicates the compound was analyzed for, but not detected.

LABORATORIES

PASI-A Pace Analytical Services - Asheville

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

D4 Sample was diluted due to the presence of high levels of target analytes.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

M0 Matrix spike recovery was outside laboratory control limits.

R1 RPD value was outside control limits.

S4 Surrogate recovery not evaluated against control limits due to sample dilution.