Torres Rojas, Genara FOI #12786

From: melanie.almodovar@dbr.com
Sent: Thursday, November 10, 2011 1:27 PM
To: Duffy, Daniel
Cc: Torres Rojas, Genara; Van Duyne, Sheree
Subject: Freedom of Information Online Request Form

Information:

First Name: Melanie
Last Name: Almodovar
Company: Drinker Biddle & Reath
Mailing Address 1: 105 College Road East
Mailing Address 2:
City: Princeton
State: NJ
Zip Code: 08542
Email Address: melanie.almodovar@dbr.com
Phone: 609-716-6580
Required copies of the records: Yes

List of specific record(s):
I would like copies of any design specifications for any maintenance dredging of the Port Elizabeth Channel that was performed since January 1, 2006, as well as any sampling plans and reports for any such maintenance dredging, sediment data collected during such maintenance dreding, and sampling reports related to such maintenance dredging.

THE PORT AUTHORITY OF NY & NJ

Daniel D. Duffy
FOI Administrator

November 13, 2012

Ms. Melanie Almodovar
Drinker Briddle & Reath
105 College Road East
Princeton, NJ 08542

Re: Freedom of Information Reference No. 12786

Dear Ms. Almodovar:

This is a response to your November 10, 2011 request, which has been processed under the Port Authority's Freedom of Information Code (the "Code", copy attached) for copies of any design specifications, as well as any sampling plans, reports and sediment data collected for maintenance dredging of the Port Elizabeth Channel that was performed since January 1, 2006.

Material responsive to your request and available under the Code can be found on the Port Authority's website at http://www.panynj.gov/corporate-information/foi/12786-O.pdf. Paper copies of the available records are available upon request.

Certain material responsive to your request is exempt from disclosure pursuant to exemption (4) of the Code.

Please refer to the above FOI reference number in any future correspondence relating to your request.

Very truly yours,

Daniel D. Duffy
FOI Administrator

Attachment

225 Park Avenue South
New York, , NY 10003
T: 212 435 3642 F: 212 435 7555

	Client Sample ID:		AMENDED		AMENDED		AMENDED		AMENDED		AMENDED	
			COMPOSITE K		COMPOSITE L		COMPOSITE M		COMPOSITE N		COMPOSITE O	
	Matrix:		SPLP EXT		SPLP EXT		SPLP EXT		SPLP EXT		SPLP EXT	
	Laboratory ID:		669772		669775		670710		670713		669778	
	SPLP Date:		05/30/2006		05/30/2006		06/05/2006		06/05/2006		05/30/2006	
CAS #	Analyte	Units										
	Metals & Cyanide											
7429-90-5	Aluminum	ppb	1560		1590		1390		1120		1440	
7440-36-0	Antimony	ppb	7	U	7	U	7	U	7	U	7	U
7440-38-2	Arsenic	ppb	2.7	U	2.7	U	2.7	U	2.7	U	2.7	U
7440-39-3	Barium	ppb	82.2	B	101	B	75.8	B	103	B	78.8	B
7440-41-7	Beryllium	ppb	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
7440-43-9	Cadmium	ppb	0.4	U	0.4	U	0.8	U	0.8	U	0.4	U
7440-70-2	Calcium	ppb	243000		266000		257000		324000		246000	
7440-47-3	Chromium	ppb	7.7	B	1.3	U	4.4	B	5	B	10.2	
7440-48-4	Cobalt	ppb	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U
7440-50-8	Copper	ppb	126		2.2	U	103		138		154	
7439-89-6	Iron	ppb	39.9	U	39.9	U	118	B	117	B	39.9	U
7439-92-1	Magnesium	ppb	276	U	276	U	276	U	276	U	276	U
7439-95-4	Manganese	ppb	1	U	1	U	1	U	1	U	1	U
7439-96-5	Nickel	ppb	20	B	17	B	28.9	B	26.5	B	24.9	B
7439-97-6	Potassium	ppb	41800		40700		42900		50300		41000	
7440-02-0	Silver	ppb	1.6	U	1.6	U	1.8	B	1.6	U	1.6	U
7440-09-7	Sodium	ppb	163000		164000		156000		152000		163000	
7782-49-2	Vanadium	ppb	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U
7440-22-4	Zinc	ppb	11.2	B	7.4	B	8.5	B	8.7	B	9	B
7440-23-5	Lead	ppb	0.86	B	0.79	B	3.5		3.6		0.77	B
7440-28-0	Selenium	ppb	1.4	B	1.2	B	0.7	B	0.87	B	1.8	B
7440-62-2	Thallium	ppb	0.17	B	0.16	B	0.1	U	0.1	U	0.16	B
7440-66-6	Mercury	ppb	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
57-12-5	Cyanide	ppb	10	U	10	U	10	U	10	U	10	U
	Semivolaties											
108-95-2	Phenol	ppb	10	U	1.8	J	0.95	J	0.89	J	10	U
111-44-4	bis(2-Chloroethyl)Ether	ppb	10	U	10	U	10	U	10	U	10	U
95-57-8	2-Chlorophenol	ppb	10	U	10	U	10	U	10	U	10	U
541-73-1	1,3-Dichlorobenzene	ppb	10	U	10	U	10	U	10	U	10	U
106-46-7	1,4-Dichlorobenzene	ppb	10	U	10	U	10	U	10	U	10	U
95-50-1	1,2-Dichlorobenzene	ppb	10	U	10	U	10	U	10	U	10	U
95-48-7	2,2'-oxybis(1-Chloropropane)	ppb	10	U	10	U	10	U	10	U	10	U
108-60-1	2-Methylphenol	ppb	10	U	10	U	1.5	J	10	U	10	U
106-44-5	Hexachloroethane	ppb	10	U	10	U	10	U	10	U	10	U
621-64-7	N-Nitroso-di-n-propylamine	ppb	10	U	10	U	10	U	10	U	10	U
67-72-1	4-Methylphenol	ppb	10	U	2.5	J	10	U	10	U	10	U
98-95-3	Nitrobenzene	ppb	10	U	10	U	10	U	10	U	10	U
78-59-1	Isophorone	ppb	10	U	10	U	10	U	10	U	10	U
88-75-5	2-Nitrophenol	ppb	10	U	10	U	10	U	10	U	10	U
105-67-9	2,4-Dimethylphenol	ppb	10	U	10	U	1.2	J	0.64	J	10	U
111-91-1	bis(2-Chloroethoxy)methane	ppb	10	U	10	U	10	U	10	U	10	U
120-83-2	2,4-Dichlorophenol	ppb	10	U	10	U	10	U	10	U	10	U
120-82-1	1,2,4-Trichlorobenzene	ppb	10	U	10	U	10	U	10	U	10	U
91-20-3	Naphthalene	ppb	10	U	0.50	J	14		0.95	J	10	U
106-47-8	4-Chloroaniline	ppb	10	U	10	U	10	U	10	U	10	U
87-68-3	Hexachlorobutadiene	ppb	10	U	10	U	10	U	10	U	10	U
59-50-7	4-Chloro-3-methylphenol	ppb	10	U	10	U	10	U	10	U	10	U
91-57-6	2-Methylnaphthalene	ppb	10	U	10	U	3.1	J	10	U	10	U

	Client Sample ID:		AMENDED		AMENDED		AMENDED		AMENDED		AMENDED	
			COMPOSITE K		COMPOSITE L		COMPOSITE M		COMPOSITE N		COMPOSITE O	
	Matrix:		SPLP EXT		SPLP EXT		SPLP EXT		SPLP EXT		SPLP EXT	
	Laboratory ID:		669772		669775		670710		670713		669778	
	SPLP Date:		05/30/2006		05/30/2006		06/05/2006		06/05/2006		05/30/2006	
CAS #	Semivolaties continued	Units										
77-47-4	Hexachlorocyclopentadiene	ppb	10	U	10	U	10	U	10	U	10	U
88-06-2	2,4,6-Trichlorophenol	ppb	10	U	10	U	10	U	10	U	10	U
95-95-4	2,4,5-Trichlorophenol	ppb	25	U	25	U	25	U	25	U	25	U
91-58-7	2-Chloronaphthalene	ppb	10	U	10	U	10	U	10	U	10	U
88-74-4	2-Nitroaniline	ppb	25	U	25	U	25	U	25	U	25	U
131-11-3	Dimethylphthalate	ppb	10	U	10	U	10	U	10	U	10	U
208-96-8	Acenaphthylene	ppb	10	U	10	U	10	U	10	U	10	U
606-20-2	2,6-Dinitrotoluene	ppb	10	U	10	U	10	U	10	U	10	U
99-09-2	3-Nitroaniline	ppb	25	U	25	U	25	U	25	U	25	U
83-32-9	Acenaphthene	ppb	0.82	J	0.63	J	9	J	1.1	J	10	U
51-28-5	2,4-Dinitrophenol	ppb	25	U	25	U	25	U	25	U	25	U
132-64-9	Dibenzofuran	ppb	10	U	10	U	2.8	J	10	U	10	U
100-02-7	4-Nitrophenol	ppb	25	U	25	U	25	U	25	U	25	U
121-14-2	2,4-Dinitrotoluene	ppb	10	U	10	U	10	U	10	U	10	U
86-73-7	Fluorene	ppb	10	U	10	U	3	J	10	U	10	U
84-66-2	Diethylphthalate	ppb	10	U	10	U	10	U	10	U	10	U
7005-72-3	4-Chlorophenyl-phenylether	ppb	10	U	10	U	10	U	10	U	10	U
100-01-6	4-Nitroaniline	ppb	25	U	25	U	25	U	25	U	25	U
534-52-1	4,6-Dinitro-2-methylphenol	ppb	25	U	25	U	25	U	25	U	25	U
86-30-6	N-nitrosodiphenylamine	ppb	10	U	10	U	10	U	10	U	10	U
101-55-3	4-Bromophenyl-phenylether	ppb	10	U	10	U	10	U	10	U	10	U
118-74-1	Hexachlorobenzene	ppb	10	U	10	U	10	U	10	U	10	U
87-86-5	Pentachlorophenol	ppb	25	U	25	U	25	U	25	U	25	U
85-01-8	Phenanthrene	ppb	0.5	J	10	U	2.9	J	0.54	J	10	U
120-12-7	Anthracene	ppb	10	U	10	U	0.71	J	10	U	10	U
86-74-8	Carbazole	ppb	10	U	10	U	1.6	J	10	U	10	U
84-74-2	Di-n-butylphthalate	ppb	10	U	10	U	10	U	10	U	10	U
206-44-0	Fluoranthene	ppb	10	U	10	U	0.7	J	10	U	10	U
129-00-0	Pyrene	ppb	10	U	10	U	0.72	J	10	U	10	U
85-68-7	Butylbenzylphthalate	ppb	10	U	10	U	10	U	10	U	10	U
56-55-3	Benzo(a)anthracene	ppb	10	U	10	U	10	U	10	U	10	U
91-94-1	3,3'-Dichlorobenzidine	ppb	10	U	10	U	10	U	10	U	10	U
218-01-9	Chrysene	ppb	10	U	10	U	10	U	10	U	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	ppb	10	U	10	U	10	U	10	U	10	U
117-84-0	Di-n-octylphthalate	ppb	10	U	10	U	10	U	10	U	10	U
205-99-2	Benzo(b)fluoranthene	ppb	10	U	10	U	10	U	10	U	10	U
207-08-9	Benzo(k)fluoranthene	ppb	10	U	10	U	10	U	10	U	10	U
50-32-8	Benzo(a)pyrene	ppb	10	U	10	U	10	U	10	U	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	ppb	10	U	10	U	10	U	10	U	10	U
53-70-3	Dibenz(a,h)anthracene	ppb	10	U	10	U	10	U	10	U	10	U
191-24-2	Benzo(g,h,i)perylene	ppb	10	U	10	U	10	U	10	U	10	U
	Pesticides											
319-84-6	alpha-BHC	ppb	0.16		0.047	U	0.13	P	0.047	U	0.8	P
319-85-7	beta-BHC	ppb	0.048	U	0.047	U	0.047	U	0.047	U	0.14	U
319-86-8	delta-BHC	ppb	0.048	U	0.047	U	0.047	U	0.047	U	0.14	U
58-89-9	gamma-BHC (Lindane)	ppb	0.048	U	0.047	U	0.047	U	0.047	U	0.14	U
76-44-8	Heptachlor	ppb	0.048	U	0.047	U	0.047	U	0.047	U	0.14	U
309-00-2	Aldrin	ppb	0.048	U	0.047	U	0.047	U	0.047	U	0.14	U
1024-57-3	Heptachlor epoxide	ppb	0.048	U	0.047	U	0.047	U	0.047	U	0.14	U

959-98-8	Endosulfan I	ppb	0.048	U	0.047	U	0.047	U	0.047	U	0.14	U						

	Client Sample ID:		AMENDED		AMENDED		AMENDED		AMENDED		AMENDED	
			COMPOSITE K		COMPOSITE L		COMPOSITE M		COMPOSITE N		COMPOSITE O	
	Matrix:		SPLP EXT		SPLP EXT		SPLP EXT		SPLP EXT		SPLP EXT	
	Laboratory ID:		669772		669775		670710		670713		669778	
	SPLP Date:		05/30/2006		05/30/2006		06/05/2006		06/05/2006		05/30/2006	
CAS #	Pesticides continued	Units	Concentration		Concentration		Concentration		Concentration		Concentration	
60-57-1	Dieldrin	ppb	0.095	U	0.094	U	0.094	U	0.094	U	0.28	U
72-55-9	4,4'-DDE	ppb	0.095	U	0.094	U	0.094	U	0.094	U	0.28	U
72-20-8	Endrin	ppb	0.095	U	0.094	U	0.094	U	0.094	U	0.28	U
33213-65-9	Endosulfan II	ppb	0.095	U	0.094	U	0.094	U	0.094	U	0.28	U
72-54-8	4,4'-DDD	ppb	0.095	U	0.094	U	0.094	U	0.094	U	0.28	U
1031-07-8	Endosulfan sulfate	ppb	0.095	U	0.094	U	0.094	U	0.094	U	0.28	U
50-29-3	4,4'-DDT	ppb	0.095	U	0.094	U	0.094	U	0.094	U	0.28	U
72-43-5	Methoxychlor	ppb	0.48	U	0.47	U	0.47	U	0.47	U	1.4	U
53494-70-5	Endrin ketone	ppb	0.095	U	0.094	U	0.094	U	0.094	U	0.28	U
7421-93-4	Endrin aldehyde	ppb	0.095	U	0.094	U	0.094	U	0.094	U	0.28	U
8001-35-2	Toxaphene	ppb	4.8	U	4.7	U	4.7	U	4.7	U	14	U
2385-85-5	Mirex	ppb	0.095	U	0.094	U	0.094	U	0.094	U	0.28	U
5103-74-2	gamma-Chlordane	ppb	0.048	U	0.71		0.047	U	0.047	U	0.14	U
5103-71-9	alpha-Chlordane	ppb	0.048	U	0.047	U	0.047	U	0.047	U	0.14	U
	PCBs											
12674-11-2	Aroclor-1016	ppb	0.48	U	0.47	U	0.47	U	0.47	U	0.47	U
11104-28-2	Aroclor-1221	ppb	0.48	U	0.47	U	0.47	U	0.47	U	0.47	U
11141-16-5	Aroclor-1232	ppb	0.48	U	0.47	U	0.47	U	0.47	U	0.47	U
53469-21-9	Aroclor-1242	ppb	0.48	U	0.47	U	0.47	U	0.47	U	0.47	U
12672-29-6	Aroclor-1248	ppb	0.48	U	0.47	U	0.47	U	0.47	U	0.47	U
11097-69-1	Aroclor-1254	ppb	0.48	U	0.47	U	0.47	U	0.47	U	0.47	U
11096-82-5	Aroclor-1260	ppb	0.48	U	0.47	U	0.47	U	0.47	U	0.47	U
	Dioxins											
35822-46-9	1,2,3,4,6,7,8-HpCDD	pg/L		ND		ND		ND		ND		ND
67562-39-4	1,2,3,4,6,7,8-HpCDF	pg/L		ND		ND		ND		ND		ND
55673-89-7	1,2,3,4,7,8,9-HpCDF	pg/L		ND		ND		ND		ND		ND
39227-28-6	1,2,3,4,7,8-HxCDD	pg/L		ND		ND		ND		ND		ND
70648-26-9	1,2,3,4,7,8-HxCDF	pg/L		ND		ND		ND		ND		ND
57653-85-7	1,2,3,6,7,8-HxCDD	pg/L		ND		ND		ND		ND		ND
57117-44-9	1,2,3,6,7,8-HxCDF	pg/L		ND		ND		ND		ND		ND
19408-74-3	1,2,3,7,8,9-HxCDD	pg/L		ND		ND		ND		ND		ND
72918-21-9	1,2,3,7,8,9-HxCDF	pg/L		ND		ND		ND		ND		ND
40321-76-4	1,2,3,7,8-PeCDD	pg/L		ND		ND		ND		ND		ND
57117-41-6	1,2,3,7,8-PeCDF	pg/L		ND		ND		ND		ND		ND
60851-34-5	2,3,4,6,7,8-HxCDF	pg/L		ND		ND		ND		ND		ND
57117-31-4	2,3,4,7,8-PeCDF	pg/L		ND		ND		ND		ND		ND
1746-01-6	2,3,7,8-TCDD	pg/L		ND		ND		ND		ND		ND
51207-31-9	2,3,7,8-TCDF	pg/L		ND		ND		ND		ND		ND
3268-87-9	OCDD	pg/L	0.745	Q B	0.88	Q B	3.79	QB	1.43	BJ	1.22	B J
39001-02-0	OCDF	pg/L		ND		ND		ND		ND	0.431	Q B J
	TEQ Concentration	pg/L	3.3		1.8		2.9		2.9		1.6	

Dioxin samples were analyzed by STL Knoxville.
Note: For the TEQ calculation ND TEQ concentration = EDLxTEF Factor

	Client Sample ID:		
	Matrix:		
	Laboratory ID:		
	SPLP Date:		
CAS #	**Analyte**		
	Metals & Cyanide		
7429-90-5	Aluminum		
7440-36-0	Antimony		
7440-38-2	Arsenic		
7440-39-3	Barium		
7440-41-7	Beryllium		
7440-43-9	Cadmium		
7440-70-2	Calcium		
7440-47-3	Chromium		
7440-48-4	Cobalt		
7440-50-8	Copper		
7439-89-6	Iron		
7439-92-1	Magnesium		
7439-95-4	Manganese		
7439-96-5	Nickel		
7439-97-6	Potassium		
7440-02-0	Silver		
7440-09-7	Sodium		
7782-49-2	Vanadium		
7440-22-4	Zinc		
7440-23-5	Lead		
7440-28-0	Selenium		
7440-62-2	Thallium		
7440-66-6	Mercury		
57-12-5	Cyanide		
	Semivolaties		
108-95-2	Phenol		
111-44-4	bis(2-Chloroethyl)Ether		
95-57-8	2-Chlorophenol		
541-73-1	1,3-Dichlorobenzene		
106-46-7	1,4-Dichlorobenzene		
95-50-1	1,2-Dichlorobenzene		
95-48-7	2,2'-oxybis(1-Chloropropane)		
108-60-1	2-Methylphenol		
106-44-5	Hexachloroethane		
621-64-7	N-Nitroso-di-n-propylamine		
67-72-1	4-Methylphenol		
98-95-3	Nitrobenzene		
78-59-1	Isophorone		
88-75-5	2-Nitrophenol		
105-67-9	2,4-Dimethylphenol		
111-91-1	bis(2-Chloroethoxy)methane		
120-83-2	2,4-Dichlorophenol		
120-82-1	1,2,4-Trichlorobenzene		
91-20-3	Naphthalene		
106-47-8	4-Chloroaniline		
87-68-3	Hexachlorobutadiene		
59-50-7	4-Chloro-3-methylphenol		
91-57-6	2-Methylnaphthalene		

	Client Sample ID:		
	Matrix:		
	Laboratory ID:		
	SPLP Date:		
CAS #	**Semivolaties continued**		
77-47-4	Hexachlorocyclopentadiene		
88-06-2	2,4,6-Trichlorophenol		
95-95-4	2,4,5-Trichlorophenol		
91-58-7	2-Chloronaphthalene		
88-74-4	2-Nitroaniline		
131-11-3	Dimethylphthalate		
208-96-8	Acenaphthylene		
606-20-2	2,6-Dinitrotoluene		
99-09-2	3-Nitroaniline		
83-32-9	Acenaphthene		
51-28-5	2,4-Dinitrophenol		
132-64-9	Dibenzofuran		
100-02-7	4-Nitrophenol		
121-14-2	2,4-Dinitrotoluene		
86-73-7	Fluorene		
84-66-2	Diethylphthalate		
7005-72-3	4-Chlorophenyl-phenylether		
100-01-6	4-Nitroaniline		
534-52-1	4,6-Dinitro-2-methylphenol		
86-30-6	N-nitrosodiphenylamine		
101-55-3	4-Bromophenyl-phenylether		
118-74-1	Hexachlorobenzene		
87-86-5	Pentachlorophenol		
85-01-8	Phenanthrene		
120-12-7	Anthracene		
86-74-8	Carbazole		
84-74-2	Di-n-butylphthalate		
206-44-0	Fluoranthene		
129-00-0	Pyrene		
85-68-7	Butylbenzylphthalate		
56-55-3	Benzo(a)anthracene		
91-94-1	3,3'-Dichlorobenzidine		
218-01-9	Chrysene		
117-81-7	bis(2-Ethylhexyl)phthalate		
117-84-0	Di-n-octylphthalate		
205-99-2	Benzo(b)fluoranthene		
207-08-9	Benzo(k)fluoranthene		
50-32-8	Benzo(a)pyrene		
193-39-5	Indeno(1,2,3-cd)pyrene		
53-70-3	Dibenz(a,h)anthracene		
191-24-2	Benzo(g,h,i)perylene		
	Pesticides		
319-84-6	alpha-BHC		
319-85-7	beta-BHC		
319-86-8	delta-BHC		
58-89-9	gamma-BHC (Lindane)		
76-44-8	Heptachlor		
309-00-2	Aldrin		
1024-57-3	Heptachlor epoxide		

959-98-8	Endosulfan I		

	Client Sample ID:		
	Matrix:		
	Laboratory ID:		
	SPLP Date:		
CAS #	**Pesticides continued**		
60-57-1	Dieldrin		
72-55-9	4,4'-DDE		
72-20-8	Endrin		
33213-65-9	Endosulfan II		
72-54-8	4,4'-DDD		
1031-07-8	Endosulfan sulfate		
50-29-3	4,4'-DDT		
72-43-5	Methoxychlor		
53494-70-5	Endrin ketone		
7421-93-4	Endrin aldehyde		
8001-35-2	Toxaphene		
2385-85-5	Mirex		
5103-74-2	gamma-Chlordane		
5103-71-9	alpha-Chlordane		
	PCBs		
12674-11-2	Aroclor-1016		
11104-28-2	Aroclor-1221		
11141-16-5	Aroclor-1232		
53469-21-9	Aroclor-1242		
12672-29-6	Aroclor-1248		
11097-69-1	Aroclor-1254		
11096-82-5	Aroclor-1260		
	Dioxins		
35822-46-9	1,2,3,4,6,7,8-HpCDD		
67562-39-4	1,2,3,4,6,7,8-HpCDF		
55673-89-7	1,2,3,4,7,8,9-HpCDF		
39227-28-6	1,2,3,4,7,8-HxCDD		
70648-26-9	1,2,3,4,7,8-HxCDF		
57653-85-7	1,2,3,6,7,8-HxCDD		
57117-44-9	1,2,3,6,7,8-HxCDF		
19408-74-3	1,2,3,7,8,9-HxCDD		
72918-21-9	1,2,3,7,8,9-HxCDF		
40321-76-4	1,2,3,7,8-PeCDD		
57117-41-6	1,2,3,7,8-PeCDF		
60851-34-5	2,3,4,6,7,8-HxCDF		
57117-31-4	2,3,4,7,8-PeCDF		
1746-01-6	2,3,7,8-TCDD		
51207-31-9	2,3,7,8-TCDF		
3268-87-9	OCDD		
39001-02-0	OCDF		
	TEQ Concentration		

Dioxin samples were analyze

Note: For the TEQ calculatior

	Client Sample ID:		COMPOSITE K		AMENDED COMPOSITE K	
	Laboratory ID:		669557		669771	
CAS #	Sampling Date:	Units	05/17/2006		05/18/2006	
	PCBs					
12674-11-2	Aroclor-1016	PPB	33	U	34	U
11104-28-2	Aroclor-1221	PPB	33	U	34	U
11141-16-5	Aroclor-1232	PPB	33	U	34	U
53469-21-9	Aroclor-1242	PPB	100	ZZ	84	
12672-29-6	Aroclor-1248	PPB	33	U	34	U
11097-69-1	Aroclor-1254	PPB	130	P	110	P
11096-82-5	Aroclor-1260	PPB	100		77	
	Pesticides					
319-84-6	alpha-BHC	PPB	1.7	U	1.7	U
319-85-7	beta-BHC	PPB	13		8.1	P
319-86-8	delta-BHC	PPB	1.7	U	1.7	U
58-89-9	gamma-BHC (Lindane)	PPB	4.5	P	1.7	U
76-44-8	Heptachlor	PPB	1.7	U	1.7	U
309-00-2	Aldrin	PPB	1.7	U	1.7	U
1024-57-3	Heptachlor epoxide	PPB	2.9	P	4.8	P
959-98-8	Endosulfan I	PPB	4.6	P	1.7	U
60-57-1	Dieldrin	PPB	3.3	U	3.4	U
72-55-9	4,4'-DDE	PPB	18		14	
72-20-8	Endrin	PPB	3.3	U	6.3	P
33213-65-9	Endosulfan II	PPB	3.3	U	3.4	U
72-54-8	4,4'-DDD	PPB	8.6		8	
1031-07-8	Endosulfan sulfate	PPB	3.3	U	3.4	U
50-29-3	4,4'-DDT	PPB	10	P	16	P
72-43-5	Methoxychlor	PPB	17	U	17	U
53494-70-5	Endrin Ketone	PPB	3.3	U	3.4	U
7421-93-4	Endrin Aldehyde	PPB	3.3	U	3.4	U
8001-35-2	Toxaphene	PPB	170	U	170	U
2385-85-5	Mirex	PPB	3.3	U	6.7	
5103-74-2	gamma-Chlordane	PPB	2.5	P	8.3	P
5103-71-9	alpha-Chlordane	PPB	6.6	P	4	

			COMPOSITE K		AMENDED	
	Client Sample ID:				COMPOSITE K	
	Laboratory ID:		669557		669771	
CAS #	Sampling Date:	Units	05/17/2006		05/18/2006	
	Semivolatiles					
108-95-2	Phenol	PPB	470	U	630	U
111-44-4	bis(2-Chloroethyl)Ether	PPB	470	U	630	U
95-57-8	2-Chlorophenol	PPB	470	U	630	U
541-73-1	1,3-Dichlorobenzene	PPB	470	U	630	U
106-46-7	1,4-Dichlorobenzene	PPB	470	U	630	U
95-50-1	1,2-Dichlorobenzene	PPB	470	U	630	U
95-48-7	2,2'-oxybis(1-Chloropropane)	PPB	470	U	630	U
108-60-1	2-Methylphenol	PPB	470	U	630	U
106-44-5	Hexachloroethane	PPB	470	U	630	U
621-64-7	N-Nitroso-di-n-propylamine	PPB	470	U	630	U
67-72-1	4-Methylphenol	PPB	470	U	630	U
98-95-3	Nitrobenzene	PPB	470	U	630	U
78-59-1	Isophorone	PPB	470	U	630	U
88-75-5	2-Nitrophenol	PPB	470	U	630	U
105-67-9	2,4-Dimethylphenol	PPB	470	U	630	U
111-91-1	bis(2-Chloroethoxy)methane	PPB	470	U	630	U
120-83-2	2,4-Dichlorophenol	PPB	470	U	630	U
120-82-1	1,2,4-Trichlorobenzene	PPB	470	U	630	U
91-20-3	Naphthalene	PPB	82	J	100	J
106-47-8	4-Chloroaniline	PPB	470	U	630	U
87-68-3	Hexachlorobutadiene	PPB	470	U	630	U
59-50-7	4-Chloro-3-methylphenol	PPB	470	U	630	U
91-57-6	2-Methylnaphthalene	PPB	78	J	96	J
77-47-4	Hexachlorocyclopentadiene	PPB	470	U	630	U
88-06-2	2,4,6-Trichlorophenol	PPB	470	U	630	U
95-95-4	2,4,5-Trichlorophenol	PPB	1200	U	1600	U
91-58-7	2-Chloronaphthalene	PPB	470	U	630	U
88-74-4	2-Nitroaniline	PPB	1200	U	1600	U
131-11-3	Dimethylphthalate	PPB	470	U	630	U
208-96-8	Acenaphthylene	PPB	55	J	89	J
606-20-2	2,6-Dinitrotoluene	PPB	470	U	630	U
99-09-2	3-Nitroaniline	PPB	1200	U	1600	U
83-32-9	Acenaphthene	PPB	170	J	180	J
51-28-5	2,4-Dinitrophenol	PPB	1200	U	1600	U
132-64-9	Dibenzofuran	PPB	68	J	88	J
100-02-7	4-Nitrophenol	PPB	1200	U	1600	U
121-14-2	2,4-Dinitrotoluene	PPB	470	U	630	U
86-73-7	Fluorene	PPB	150	J	170	J
84-66-2	Diethylphthalate	PPB	470	U	630	U

			COMPOSITE K		AMENDED	
	Client Sample ID:				COMPOSITE K	
	Laboratory ID:		669557		669771	
CAS #	Sampling Date:	Units	05/17/2006		05/18/2006	
	Semivolatiles (Continued)					
7005-72-3	4-Chlorophenyl-phenylether	PPB	470	U	630	U
100-01-6	4-Nitroaniline	PPB	1200	U	1600	U
534-52-1	4,6-Dinitro-2-methylphenol	PPB	1200	U	1600	U
86-30-6	N-nitrosodiphenylamine	PPB	470	U	630	U
101-55-3	4-Bromophenyl-phenylether	PPB	470	U	630	U
118-74-1	Hexachlorobenzene	PPB	470	U	630	U
87-86-5	Pentachlorophenol	PPB	1200	U	1600	U
85-01-8	Phenanthrene	PPB	460	J	630	J
120-12-7	Anthracene	PPB	200	J	250	J
86-74-8	Carbazole	PPB	39	J	56	J
84-74-2	Di-n-butylphthalate	PPB	470	U	38	J
206-44-0	Fluoranthene	PPB	1500		1800	
129-00-0	Pyrene	PPB	1000		1100	
85-68-7	Butylbenzylphthalate	PPB	60	J	630	U
56-55-3	Benzo(a)anthracene	PPB	400	J	490	J
91-94-1	3,3'-Dichlorobenzidine	PPB	470	U	630	U
218-01-9	Chrysene	PPB	620		750	
117-81-7	bis(2-Ethylhexyl)phthalate	PPB	3800	E	3900	
117-84-0	Di-n-octylphthalate	PPB	470	U	630	U
205-99-2	Benzo(b)fluoranthene	PPB	520		580	J
207-08-9	Benzo(k)fluoranthene	PPB	610		530	J
50-32-8	Benzo(a)pyrene	PPB	450	J	490	J
193-39-5	Indeno(1,2,3-cd)pyrene	PPB	110	J	120	J
53-70-3	Dibenz(a,h)anthracene	PPB	36	J	37	J
191-24-2	Benzo(g,h,i)perylene	PPB	120	J	130	J
	Volatiles					
74-87-3	Chloromethane	PPB	11	U	9.6	U
75-01-4	Vinyl Chloride	PPB	11	U	9.6	U
74-83-9	Bromomethane	PPB	11	U	9.6	U
75-00-3	Chloroethane	PPB	11	U	9.6	U
75-35-4	1,1-Dichloroethene	PPB	11	U	9.6	U
67-64-1	Acetone	PPB	28		400	E
75-15-0	Carbon Disulfide	PPB	2.2	J	12	
75-09-2	Methylene Chloride	PPB	11	U	2.3	J
540-59-0	1,2-Dichloroethene (total)	PPB	11	U	9.6	U
75-34-3	1,1-Dichloroethane	PPB	11	U	9.6	U
78-93-3	2-Butanone	PPB	9.6	J	59	
67-66-3	Chloroform	PPB	11	U	9.6	U
71-55-6	1,1,1-Trichloroethane	PPB	11	U	9.6	U

			COMPOSITE K		AMENDED	
	Client Sample ID:				COMPOSITE K	
	Laboratory ID:		669557		669771	
CAS #	Sampling Date:	Units	05/17/2006		05/18/2006	
	Volatiles (Continued)					
56-23-5	Carbon Tetrachloride	PPB	11	U	9.6	U
71-43-2	Benzene	PPB	11	U	9.6	U
107-06-2	1,2-Dichloroethane	PPB	11	U	9.6	U
79-01-6	Trichloroethene	PPB	11	U	9.6	U
78-87-5	1,2-Dichloropropane	PPB	11	U	9.6	U
75-27-4	Bromodichloromethane	PPB	11	U	9.6	U
10061-01-5	cis-1,3-Dichloropropene	PPB	11	U	9.6	U
108-10-1	4-Methyl-2-pentanone	PPB	11	U	9.6	U
108-88-3	Toluene	PPB	11	U	9.6	U
10061-02-6	trans-1,3-Dichloropropene	PPB	11	U	9.6	U
79-00-5	1,1,2-Trichloroethane	PPB	11	U	9.6	U
127-18-4	Tetrachloroethene	PPB	11	U	9.6	U
591-78-6	2-Hexanone	PPB	11	U	9.6	U
124-48-1	Dibromochloromethane	PPB	11	U	9.6	U
108-90-7	Chlorobenzene	PPB	11	U	9.6	U
100-41-4	Ethylbenzene	PPB	11	U	9.6	U
1330-20-7	Xylene (total)	PPB	11	U	9.6	U
100-42-5	Styrene	PPB	11	U	9.6	U
75-25-2	Bromoform	PPB	11	U	9.6	U
79-34-5	1,1,2,2-Tetrachloroethane	PPB	11	U	9.6	U
	Metals & Cyanide					
7429-90-5	Aluminum	PPB	13800		11700	
7440-36-0	Antimony	PPB	1.70	B	0.70	U
7440-38-2	Arsenic	PPB	8.4		7.2	
7440-39-3	Barium	PPB	140		113	
7440-41-7	Beryllium	PPB	0.87		0.71	
7440-43-9	Cadmium	PPB	0.22	B	0.25	B
7440-70-2	Calcium	PPB	10600		53200	
7440-47-3	Chromium	PPB	72.8		52.5	
7440-48-4	Cobalt	PPB	10.2		6.8	
7440-50-8	Copper	PPB	102		72	
7439-89-6	Iron	PPB	29600		19800	
7439-92-1	Lead	PPB	92.6		71.6	
7439-95-4	Magnesium	PPB	8740		7100	
7439-96-5	Manganese	PPB	457		376	
7440-02-0	Nickel	PPB	31.8		23.0	
7440-09-7	Potassium	PPB	3490		3790	
7440-22-4	Silver	PPB	1.9		1.8	
7440-23-5	Sodium	PPB	8980		5860	

			COMPOSITE K		AMENDED	
	Client Sample ID:				COMPOSITE K	
	Laboratory ID:		669557		669771	
CAS #	Sampling Date:	Units	05/17/2006		05/18/2006	
	Metals (Continued)					
7440-62-2	Vanadium	PPB	35.1		28.0	
7440-66-6	Zinc	PPB	203		179	
7782-49-2	Selenium	PPB	0.26		0.30	
7440-28-0	Thallium	PPB	0.19	B	0.20	
7439-97-6	Mercury	PPB	0.9		1.1	
57-12-5	Cyanide	PPB	0.49	U	0.48	U
	Dioxins					
57117-41-6	1,2,3,7,8-PeCDF	PG/G	6.91	J	3.24	J
57117-31-4	2,3,4,7,8-PeCDF	PG/G	12.8		5.76	J
70648-26-9	1,2,3,4,7,8-HxCDF	PG/G	45.3	B	23.7	Q B
60851-34-5	2,3,4,6,7,8-HxCDF	PG/G	7.17	B J	3.91	Q B
72918-21-9	1,2,3,7,8,9-HxCDF	PG/G	0.551	B J	ND	U
67562-39-4	1,2,3,4,6,7,8-HpCDF	PG/G	202	B	89.2	B
39001-02-0	OCDF	PG/G	303	B	155	B
1746-01-6	2,3,7,8-TCDD	PG/G	37		20.2	
40321-76-4	1,2,3,7,8-PeCDD	PG/G	2.86	Q J	1.64	J
19408-74-3	1,2,3,7,8,9-HxCDD	PG/G	10.3	J	5.93	J
35822-46-9	1,2,3,4,6,7,8-HpCDD	PG/G	274	B	172	B
3268-87-9	OCDD	PG/G	3000	B	1890	B
57117-44-9	1,2,3,6,7,8-HxCDF	PG/G	13.8	Q B	5.53	B J
55673-89-7	1,2,3,4,7,8,9-HpCDF	PG/G	12.3	B	3.71	Q B
39227-28-6	1,2,3,4,7,8-HxCDD	PG/G	3.78	Q B	1.94	B J
57653-85-7	1,2,3,6,7,8-HxCDD	PG/G	17.5		7.78	J
51207-31-9	2,3,7,8-TCDF	PG/G	14.9		7.43	
-	TEQ	-	65		34	

Note: For the TEQ calculation ND TEQ concentration = EDLxTEF Factor

	Client Sample ID:		COMPOSITE L		AMENDED COMPOSITE L		COMPOSITE M		AMENDED COMPOSITE M		COMPOSITE N		AMENDED COMPOSITE N	
	Laboratory ID:		669558		669774		670681		670709		670682		670712	
CAS #	Sampling Date:	Units	05/17/2006		05/18/2006		05/23/2006		05/23/2006		05/23/2006		05/23/2006	
	PCBs													
12674-11-2	Aroclor-1016	PPB	49	U	84	U	83	U	84	U	34	U	33	U
11104-28-2	Aroclor-1221	PPB	49	U	84	U	83	U	84	U	34	U	33	U
11141-16-5	Aroclor-1232	PPB	49	U	84	U	83	U	84	U	34	U	33	U
53469-21-9	Aroclor-1242	PPB	190		210		320		300		180		150	
12672-29-6	Aroclor-1248	PPB	49	U	84	U	83	U	84	U	34	U	33	U
11097-69-1	Aroclor-1254	PPB	220		320		300		280		200	P	140	
11096-82-5	Aroclor-1260	PPB	170		250		170		150		100		97	P
	Pesticides													
319-84-6	alpha-BHC	PPB	1.6	U	3.3	U	7.8	P	1.7	U	1.7	U	1.7	U
319-85-7	beta-BHC	PPB	23		8.7	P	37	EP	73	EP	31	EP	4.6	P
319-86-8	delta-BHC	PPB	1.6	U	3.3	U	1.7	U	15	P	2.1	P	1.7	U
58-89-9	gamma-BHC (Lindane)	PPB	7.5	P	3.3	U	6.7	P	1.7	U	7.1	P	1.7	U
76-44-8	Heptachlor	PPB	2.8	P	3.3	U	4.9	P	21	P	4.5	P	1.7	U
309-00-2	Aldrin	PPB	7		3.3	U	1.7	U	1.7	U	1.7	U	1.7	U
1024-57-3	Heptachlor epoxide	PPB	4.1	P	3.3	U	3.2	P	8.6	P	4.4	ZZ	2.9	P
959-98-8	Endosulfan I	PPB	6.7		3.3	U	1.7	U	1.7	U	2.6	P	1.7	U
60-57-1	Dieldrin	PPB	11	P	6.7	U	3.3	U	3.4	U	3.4	U	3.3	U
72-55-9	4,4'-DDE	PPB	27		18		19		20		21		15	
72-20-8	Endrin	PPB	3.3	U	6.7	U	3.3	U	3.4	U	3.4	U	3.3	U
33213-65-9	Endosulfan II	PPB	3.3	U	6.7	U	3.3	U	3.4	U	3.4	U	3.3	U
72-54-8	4,4'-DDD	PPB	13		11		6		6.5		8		5.9	
1031-07-8	Endosulfan sulfate	PPB	3.3	U	6.7	U	3.3	U	6.8		3.4	U	3.3	U
50-29-3	4,4'-DDT	PPB	33	P	6.7	U	13	P	14		3.4	U	8.6	P
72-43-5	Methoxychlor	PPB	16	U	33	U	17	U	17	U	17	U	17	U
53494-70-5	Endrin Ketone	PPB	3.3	U	6.7	U	3.3	U	3.4	U	3.4	U	3.3	U
7421-93-4	Endrin Aldehyde	PPB	3.3	U	6.7	U	3.3	U	3.4	U	3.4	U	3.3	U
8001-35-2	Toxaphene	PPB	160	U	330	U	170	U	170	U	170	U	170	U
2385-85-5	Mirex	PPB	3.3	U	6.7	U	3.3	U	3.4	U	3.4	U	3.3	U
5103-74-2	gamma-Chlordane	PPB	5.1	P	35	P	22	P	16	P	2.5	P	7.3	P
5103-71-9	alpha-Chlordane	PPB	13	P	4.5		6.8	P	3.5		3.3		1.9	

			COMPOSITE L		AMENDED		COMPOSITE M		AMENDED		COMPOSITE N		AMENDED	
	Client Sample ID:				COMPOSITE L				COMPOSITE M				COMPOSITE N	
	Laboratory ID:		669558		669774		670681		670709		670682		670712	
CAS #	Sampling Date:	Units	05/17/2006		05/18/2006		05/23/2006		05/23/2006		05/23/2006		05/23/2006	
	Semivolatiles													
108-95-2	Phenol	PPB	820	U	660	U	64	J	100	J	2200	U	550	U
111-44-4	bis(2-Chloroethyl)Ether	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
95-57-8	2-Chlorophenol	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
541-73-1	1,3-Dichlorobenzene	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
106-46-7	1,4-Dichlorobenzene	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
95-50-1	1,2-Dichlorobenzene	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
95-48-7	2,2'-oxybis(1-Chloropropane)	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
108-60-1	2-Methylphenol	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
106-44-5	Hexachloroethane	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
621-64-7	N-Nitroso-di-n-propylamine	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
67-72-1	4-Methylphenol	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
98-95-3	Nitrobenzene	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
78-59-1	Isophorone	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
88-75-5	2-Nitrophenol	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
105-67-9	2,4-Dimethylphenol	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
111-91-1	bis(2-Chloroethoxy)methane	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
120-83-2	2,4-Dichlorophenol	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
120-82-1	1,2,4-Trichlorobenzene	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
91-20-3	Naphthalene	PPB	170	J	76	J	1000		580		170	J	87	J
106-47-8	4-Chloroaniline	PPB	820	U	660	U	140	J	560	U	2200	U	550	U
87-68-3	Hexachlorobutadiene	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
59-50-7	4-Chloro-3-methylphenol	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
91-57-6	2-Methylnaphthalene	PPB	100	J	660	U	450	J	260	J	110	J	58	J
77-47-4	Hexachlorocyclopentadiene	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
88-06-2	2,4,6-Trichlorophenol	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
95-95-4	2,4,5-Trichlorophenol	PPB	2100	U	1700	U	2400	U	1400	U	5600	U	1400	U
91-58-7	2-Chloronaphthalene	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
88-74-4	2-Nitroaniline	PPB	2100	U	1700	U	2400	U	1400	U	5600	U	1400	U
131-11-3	Dimethylphthalate	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
208-96-8	Acenaphthylene	PPB	820	U	54	J	98	J	560	U	2200	U	44	J
606-20-2	2,6-Dinitrotoluene	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
99-09-2	3-Nitroaniline	PPB	2100	U	1700	U	2400	U	1400	U	5600	U	1400	U
83-32-9	Acenaphthene	PPB	820	U	110	J	1400		850		280	J	130	J
51-28-5	2,4-Dinitrophenol	PPB	2100	U	1700	U	2400	U	1400	U	5600	U	1400	U
132-64-9	Dibenzofuran	PPB	70	J	52	J	720	J	430	J	2200	U	38	J
100-02-7	4-Nitrophenol	PPB	2100	U	1700	U	2400	U	1400	U	5600	U	1400	U
121-14-2	2,4-Dinitrotoluene	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
86-73-7	Fluorene	PPB	100	J	88	J	860	J	530	J	190	J	98	J
84-66-2	Diethylphthalate	PPB	820	U	660	U	940	U	560	U	2200	U	550	U

			COMPOSITE L		AMENDED		COMPOSITE M		AMENDED		COMPOSITE N		AMENDED	
	Client Sample ID:				COMPOSITE L				COMPOSITE M				COMPOSITE N	
	Laboratory ID:		669558		669774		670681		670709		670682		670712	
CAS #	Sampling Date:	Units	05/17/2006		05/18/2006		05/23/2006		05/23/2006		05/23/2006		05/23/2006	
	Semivolatiles (Continued)													
7005-72-3	4-Chlorophenyl-phenylether	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
100-01-6	4-Nitroaniline	PPB	2100	U	1700	U	2400	U	1400	U	5600	U	1400	U
534-52-1	4,6-Dinitro-2-methylphenol	PPB	2100	U	1700	U	2400	U	1400	U	5600	U	1400	U
86-30-6	N-nitrosodiphenylamine	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
101-55-3	4-Bromophenyl-phenylether	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
118-74-1	Hexachlorobenzene	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
87-86-5	Pentachlorophenol	PPB	2100	U	1700	U	2400	U	1400	U	5600	U	1400	U
85-01-8	Phenanthrene	PPB	340	J	320	J	2100		1200		640	J	330	J
120-12-7	Anthracene	PPB	160	J	150	J	610	J	480	J	330	J	160	J
86-74-8	Carbazole	PPB	820	U	47	J	270	J	190	J	2200	U	550	U
84-74-2	Di-n-butylphthalate	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
206-44-0	Fluoranthene	PPB	1500		1100		3000		1600		1600	J	680	
129-00-0	Pyrene	PPB	1000		760		2300		1200		1700	J	630	
85-68-7	Butylbenzylphthalate	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
56-55-3	Benzo(a)anthracene	PPB	390	J	340	J	730	J	420	J	550	J	250	J
91-94-1	3,3'-Dichlorobenzidine	PPB	820	U	660	U	940	U	560	U	2200	U	550	U
218-01-9	Chrysene	PPB	610	J	500	J	990		650		680	J	330	J
117-81-7	bis(2-Ethylhexyl)phthalate	PPB	5000		4200		6600		3600		9800		4500	E
117-84-0	Di-n-octylphthalate	PPB	820	U	660	U	79	J	560	U	2200	U	550	U
205-99-2	Benzo(b)fluoranthene	PPB	480	J	370	J	690	J	330	J	500	J	190	J
207-08-9	Benzo(k)fluoranthene	PPB	470	J	380	J	430	J	230	J	350	J	170	J
50-32-8	Benzo(a)pyrene	PPB	400	J	340	J	510	J	270	J	410	J	180	J
193-39-5	Indeno(1,2,3-cd)pyrene	PPB	120	J	100	J	120	J	72	J	150	J	74	J
53-70-3	Dibenz(a,h)anthracene	PPB	820	U	32	J	61	J	560	U	2200	U	28	J
191-24-2	Benzo(g,h,i)perylene	PPB	140	J	120	J	120	J	83	J	170	J	74	J
	Volatiles													
74-87-3	Chloromethane	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
75-01-4	Vinyl Chloride	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
74-83-9	Bromomethane	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
75-00-3	Chloroethane	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
75-35-4	1,1-Dichloroethene	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
67-64-1	Acetone	PPB	120		730	E	22	B	280	B	44	B	530	B
75-15-0	Carbon Disulfide	PPB	6.7	J	16		9.8	U	7.2	J	2.7	J	18	J
75-09-2	Methylene Chloride	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
540-59-0	1,2-Dichloroethene (total)	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
75-34-3	1,1-Dichloroethane	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
78-93-3	2-Butanone	PPB	29		110		7	J	37		10	J	76	
67-66-3	Chloroform	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
71-55-6	1,1,1-Trichloroethane	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U

			COMPOSITE L		AMENDED		COMPOSITE M		AMENDED		COMPOSITE N		AMENDED	
	Client Sample ID:				COMPOSITE L				COMPOSITE M				COMPOSITE N	
	Laboratory ID:		669558		669774		670681		670709		670682		670712	
CAS #	Sampling Date:	Units	05/17/2006		05/18/2006		05/23/2006		05/23/2006		05/23/2006		05/23/2006	
	Volatiles (Continued)													
56-23-5	Carbon Tetrachloride	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
71-43-2	Benzene	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
107-06-2	1,2-Dichloroethane	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
79-01-6	Trichloroethene	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
78-87-5	1,2-Dichloropropane	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
75-27-4	Bromodichloromethane	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
10061-01-5	cis-1,3-Dichloropropene	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
108-10-1	4-Methyl-2-pentanone	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
108-88-3	Toluene	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
10061-02-6	trans-1,3-Dichloropropene	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
79-00-5	1,1,2-Trichloroethane	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
127-18-4	Tetrachloroethene	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
591-78-6	2-Hexanone	PPB	11	U	8.3	J	9.8	U	8.9	U	10	U	18	U
124-48-1	Dibromochloromethane	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
108-90-7	Chlorobenzene	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
100-41-4	Ethylbenzene	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
1330-20-7	Xylene (total)	PPB	6.4	J	10	U	5.3	J	4.3	J	10	U	18	U
100-42-5	Styrene	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
75-25-2	Bromoform	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
79-34-5	1,1,2,2-Tetrachloroethane	PPB	11	U	10	U	9.8	U	8.9	U	10	U	18	U
	Metals & Cyanide													
7429-90-5	Aluminum	PPB	13400		12900		15700		17000		14200		14900	
7440-36-0	Antimony	PPB	2.40	B	0.88	B	2.10	B	1.30	B	1.50	B	1.00	B
7440-38-2	Arsenic	PPB	9.7		9.2		10.2		9.2		10.3		8.6	
7440-39-3	Barium	PPB	168		150		148		158		119		117	
7440-41-7	Beryllium	PPB	0.83		0.76		1.20		0.98		0.98		0.87	
7440-43-9	Cadmium	PPB	1.40		1.20		1.10		2.40		0.65		1.70	
7440-70-2	Calcium	PPB	8370		55900		10500		83300		10900		92800	
7440-47-3	Chromium	PPB	102.0		83.5		138.0		111.0		88.8		77.0	
7440-48-4	Cobalt	PPB	9.8		9.7		9.5		11.4		9.2		10.1	
7440-50-8	Copper	PPB	136		114		129		171		142		135	
7439-89-6	Iron	PPB	30300		23400		33900		32500		29700		28600	
7439-92-1	Lead	PPB	183.0		161.0		159.0		131.0		99.5		80.0	
7439-95-4	Magnesium	PPB	8010		7430		9440		9730		8500		8360	
7439-96-5	Manganese	PPB	395		375		524		509		494		466	
7440-02-0	Nickel	PPB	32.7		27.1		40.9		31.8		30.6		26.1	
7440-09-7	Potassium	PPB	3220		3780		3810		4470		3310		3760	
7440-22-4	Silver	PPB	2.4		2.2		2.4		2.1		2.3		2.1	
7440-23-5	Sodium	PPB	9820		7240		7580		6120		8210		5860	

			COMPOSITE L		AMENDED		COMPOSITE M		AMENDED		COMPOSITE N		AMENDED	
	Client Sample ID:				COMPOSITE L				COMPOSITE M				COMPOSITE N	
	Laboratory ID:		669558		669774		670681		670709		670682		670712	
CAS #	Sampling Date:	Units	05/17/2006		05/18/2006		05/23/2006		05/23/2006		05/23/2006		05/23/2006	
	Metals (Continued)													
7440-62-2	Vanadium	PPB	36.6		34.3		40.9		41.4		36.4		34.9	
7440-66-6	Zinc	PPB	311		280		282		304		254		267	
7782-49-2	Selenium	PPB	0.53		0.45		0.44		0.29		0.48		0.34	
7440-28-0	Thallium	PPB	0.25	B	0.18	B	0.18	B	0.17	B	0.20		0.17	B
7439-97-6	Mercury	PPB	1.8		1.5		1.4		1.0		1.6		1.3	
57-12-5	Cyanide	PPB	0.49	U	8.00		0.48	U	0.60		0.49	U	0.61	
	Dioxins													
57117-41-6	1,2,3,7,8-PeCDF	PG/G	7.5	QJ	3.51	Q J	4.89	J	5.31	J	6.22	Q	4.3	Q
57117-31-4	2,3,4,7,8-PeCDF	PG/G	19.1	J	6.94	J	9.04	Q J	9.45	Q	11.1	Q	7.66	Q
70648-26-9	1,2,3,4,7,8-HxCDF	PG/G	68.8	Q	30.3	Q B	43	Q	45.4	Q	52.7	Q	32.7	Q
60851-34-5	2,3,4,6,7,8-HxCDF	PG/G	13.1	QJ	5.17	Q B	7.03	Q J	7.58	Q	8.67	Q	5.2	Q
72918-21-9	1,2,3,7,8,9-HxCDF	PG/G	2.75	QJ	0.482	Q B	0.427	Q J	0.972	Q	10.4	U	0.537	Q
67562-39-4	1,2,3,4,6,7,8-HpCDF	PG/G	282		124	B	196		179		229	Q	160	
39001-02-0	OCDF	PG/G	431	B	204	B	350		323		374		361	
1746-01-6	2,3,7,8-TCDD	PG/G	47.2		19.3		40.9		41.5		35.9		30.8	
40321-76-4	1,2,3,7,8-PeCDD	PG/G	5.73	QJ	1.63	Q J	2.98	Q J	3.52	Q	2.6	Q	2.03	J
19408-74-3	1,2,3,7,8,9-HxCDD	PG/G	20.6	J	8.22	J	14.5		12.5		11.7		7.22	J
35822-46-9	1,2,3,4,6,7,8-HpCDD	PG/G	518		227	B	405		453		295		169	
3268-87-9	OCDD	PG/G	5510	B	2420	B	4100	B	5970	B	3150	B	1780	B
57117-44-9	1,2,3,6,7,8-HxCDF	PG/G	25.2	QJ	7.25	Q B	14.5	Q	13.4		13.7		10.1	
55673-89-7	1,2,3,4,7,8,9-HpCDF	PG/G	15.8	J	5.63	B J	7.71	Q J	8.52	J	10.2	J	20	
39227-28-6	1,2,3,4,7,8-HxCDD	PG/G	8.71	J	3.09	B J	5.23	J	6.02	J	4.03	Q	2.31	Q
57653-85-7	1,2,3,6,7,8-HxCDD	PG/G	32.8	J	12.6		21.7		22.9		15		10.7	
51207-31-9	2,3,7,8-TCDF	PG/G	16.9		9.2		12.6	Q	10.7	Q	16.3		10.8	Q
-	TEQ	-	93		37		70		73		64		50	

Note: For the TEQ calculation ND TEQ concentration

	Client Sample ID:		COMPOSITE O		AMENDED COMPOSITE O	
	Laboratory ID:		669559		669777	
CAS #	Sampling Date:	Units	05/17/2006		05/18/2006	
	PCBs					
12674-11-2	Aroclor-1016	PPB	34	U	33	U
11104-28-2	Aroclor-1221	PPB	34	U	33	U
11141-16-5	Aroclor-1232	PPB	34	U	33	U
53469-21-9	Aroclor-1242	PPB	97	ZZ	100	
12672-29-6	Aroclor-1248	PPB	34	U	33	U
11097-69-1	Aroclor-1254	PPB	97		130	P
11096-82-5	Aroclor-1260	PPB	67		65	
	Pesticides					
319-84-6	alpha-BHC	PPB	3.4	U	1.7	U
319-85-7	beta-BHC	PPB	9		7.5	P
319-86-8	delta-BHC	PPB	3.4	U	1.7	U
58-89-9	gamma-BHC (Lindane)	PPB	3.4	U	1.7	U
76-44-8	Heptachlor	PPB	3.4	U	1.7	U
309-00-2	Aldrin	PPB	3.4	U	1.7	U
1024-57-3	Heptachlor epoxide	PPB	3.5	P	3	P
959-98-8	Endosulfan I	PPB	3.4	U	1.7	U
60-57-1	Dieldrin	PPB	6.7	U	3.3	U
72-55-9	4,4'-DDE	PPB	18		17	
72-20-8	Endrin	PPB	6.7	U	3.3	U
33213-65-9	Endosulfan II	PPB	6.7	U	3.3	U
72-54-8	4,4'-DDD	PPB	10		9.2	
1031-07-8	Endosulfan sulfate	PPB	6.7	U	3.3	U
50-29-3	4,4'-DDT	PPB	51		9.1	P
72-43-5	Methoxychlor	PPB	34	U	17	U
53494-70-5	Endrin Ketone	PPB	6.7	U	3.3	U
7421-93-4	Endrin Aldehyde	PPB	6.7	U	3.3	U
8001-35-2	Toxaphene	PPB	340	U	170	U
2385-85-5	Mirex	PPB	6.7	U	3.3	U
5103-74-2	gamma-Chlordane	PPB	3.4	U	1.7	U
5103-71-9	alpha-Chlordane	PPB	3.4	U	2.4	

			COMPOSITE O		AMENDED	
	Client Sample ID:				COMPOSITE O	
	Laboratory ID:		669559		669777	
CAS #	Sampling Date:	Units	05/17/2006		05/18/2006	
	Semivolatiles					
108-95-2	Phenol	PPB	16	J	330	U
111-44-4	bis(2-Chloroethyl)Ether	PPB	330	U	330	U
95-57-8	2-Chlorophenol	PPB	330	U	330	U
541-73-1	1,3-Dichlorobenzene	PPB	330	U	330	U
106-46-7	1,4-Dichlorobenzene	PPB	330	U	330	U
95-50-1	1,2-Dichlorobenzene	PPB	330	U	330	U
95-48-7	2,2'-oxybis(1-Chloropropane)	PPB	330	U	330	U
108-60-1	2-Methylphenol	PPB	330	U	330	U
106-44-5	Hexachloroethane	PPB	330	U	330	U
621-64-7	N-Nitroso-di-n-propylamine	PPB	330	U	330	U
67-72-1	4-Methylphenol	PPB	25	J	330	U
98-95-3	Nitrobenzene	PPB	330	U	330	U
78-59-1	Isophorone	PPB	330	U	330	U
88-75-5	2-Nitrophenol	PPB	330	U	330	U
105-67-9	2,4-Dimethylphenol	PPB	330	U	330	U
111-91-1	bis(2-Chloroethoxy)methane	PPB	330	U	330	U
120-83-2	2,4-Dichlorophenol	PPB	330	U	330	U
120-82-1	1,2,4-Trichlorobenzene	PPB	19	J	330	U
91-20-3	Naphthalene	PPB	71	J	50	J
106-47-8	4-Chloroaniline	PPB	330	U	330	U
87-68-3	Hexachlorobutadiene	PPB	330	U	330	U
59-50-7	4-Chloro-3-methylphenol	PPB	330	U	330	U
91-57-6	2-Methylnaphthalene	PPB	42	J	33	J
77-47-4	Hexachlorocyclopentadiene	PPB	330	U	330	U
88-06-2	2,4,6-Trichlorophenol	PPB	330	U	330	U
95-95-4	2,4,5-Trichlorophenol	PPB	840	U	830	U
91-58-7	2-Chloronaphthalene	PPB	330	U	330	U
88-74-4	2-Nitroaniline	PPB	840	U	830	U
131-11-3	Dimethylphthalate	PPB	330	U	330	U
208-96-8	Acenaphthylene	PPB	43	J	46	J
606-20-2	2,6-Dinitrotoluene	PPB	330	U	330	U
99-09-2	3-Nitroaniline	PPB	840	U	830	U
83-32-9	Acenaphthene	PPB	85	J	44	J
51-28-5	2,4-Dinitrophenol	PPB	840	U	830	U
132-64-9	Dibenzofuran	PPB	62	J	23	J
100-02-7	4-Nitrophenol	PPB	840	U	830	U
121-14-2	2,4-Dinitrotoluene	PPB	330	U	330	U
86-73-7	Fluorene	PPB	110	J	52	J
84-66-2	Diethylphthalate	PPB	330	U	330	U

			COMPOSITE O		AMENDED	
	Client Sample ID:				COMPOSITE O	
	Laboratory ID:		669559		669777	
CAS #	Sampling Date:	Units	05/17/2006		05/18/2006	
	Semivolatiles (Continued)					
7005-72-3	4-Chlorophenyl-phenylether	PPB	330	U	330	U
100-01-6	4-Nitroaniline	PPB	840	U	830	U
534-52-1	4,6-Dinitro-2-methylphenol	PPB	840	U	830	U
86-30-6	N-nitrosodiphenylamine	PPB	330	U	330	U
101-55-3	4-Bromophenyl-phenylether	PPB	330	U	330	U
118-74-1	Hexachlorobenzene	PPB	330	U	330	U
87-86-5	Pentachlorophenol	PPB	840	U	830	U
85-01-8	Phenanthrene	PPB	510		160	J
120-12-7	Anthracene	PPB	170	J	88	J
86-74-8	Carbazole	PPB	25	J	19	J
84-74-2	Di-n-butylphthalate	PPB	330	U	330	U
206-44-0	Fluoranthene	PPB	890		470	
129-00-0	Pyrene	PPB	680		380	
85-68-7	Butylbenzylphthalate	PPB	330	U	330	U
56-55-3	Benzo(a)anthracene	PPB	270	J	180	J
91-94-1	3,3'-Dichlorobenzidine	PPB	330	U	330	U
218-01-9	Chrysene	PPB	380		260	J
117-81-7	bis(2-Ethylhexyl)phthalate	PPB	1800		1100	
117-84-0	Di-n-octylphthalate	PPB	330	U	330	U
205-99-2	Benzo(b)fluoranthene	PPB	340		230	J
207-08-9	Benzo(k)fluoranthene	PPB	350		190	J
50-32-8	Benzo(a)pyrene	PPB	320	J	220	J
193-39-5	Indeno(1,2,3-cd)pyrene	PPB	82	J	71	J
53-70-3	Dibenz(a,h)anthracene	PPB	21	J	27	J
191-24-2	Benzo(g,h,i)perylene	PPB	94	J	76	J
	Volatiles					
74-87-3	Chloromethane	PPB	11	U	9.8	U
75-01-4	Vinyl Chloride	PPB	11	U	9.8	U
74-83-9	Bromomethane	PPB	11	U	9.8	U
75-00-3	Chloroethane	PPB	11	U	9.8	U
75-35-4	1,1-Dichloroethene	PPB	11	U	9.8	U
67-64-1	Acetone	PPB	31		590	E
75-15-0	Carbon Disulfide	PPB	11	U	16	
75-09-2	Methylene Chloride	PPB	11	U	2.5	J
540-59-0	1,2-Dichloroethene (total)	PPB	11	U	9.8	U
75-34-3	1,1-Dichloroethane	PPB	11	U	9.8	U
78-93-3	2-Butanone	PPB	9.3	J	87	
67-66-3	Chloroform	PPB	11	U	9.8	U
71-55-6	1,1,1-Trichloroethane	PPB	11	U	9.8	U

			COMPOSITE O		AMENDED	
	Client Sample ID:				COMPOSITE O	
	Laboratory ID:		669559		669777	
CAS #	Sampling Date:	Units	05/17/2006		05/18/2006	
	Volatiles (Continued)					
56-23-5	Carbon Tetrachloride	PPB	11	U	9.8	U
71-43-2	Benzene	PPB	11	U	9.8	U
107-06-2	1,2-Dichloroethane	PPB	11	U	9.8	U
79-01-6	Trichloroethene	PPB	11	U	9.8	U
78-87-5	1,2-Dichloropropane	PPB	11	U	9.8	U
75-27-4	Bromodichloromethane	PPB	11	U	9.8	U
10061-01-5	cis-1,3-Dichloropropene	PPB	11	U	9.8	U
108-10-1	4-Methyl-2-pentanone	PPB	11	U	9.8	U
108-88-3	Toluene	PPB	11	U	9.8	U
10061-02-6	trans-1,3-Dichloropropene	PPB	11	U	9.8	U
79-00-5	1,1,2-Trichloroethane	PPB	11	U	9.8	U
127-18-4	Tetrachloroethene	PPB	11	U	9.8	U
591-78-6	2-Hexanone	PPB	11	U	4.7	J
124-48-1	Dibromochloromethane	PPB	11	U	9.8	U
108-90-7	Chlorobenzene	PPB	11	U	9.8	U
100-41-4	Ethylbenzene	PPB	11	U	9.8	U
1330-20-7	Xylene (total)	PPB	11	U	9.8	U
100-42-5	Styrene	PPB	11	U	9.8	U
75-25-2	Bromoform	PPB	11	U	9.8	U
79-34-5	1,1,2,2-Tetrachloroethane	PPB	11	U	9.8	U
	Metals & Cyanide					
7429-90-5	Aluminum	PPB	14400		13400	
7440-36-0	Antimony	PPB	2.00	B	1.30	B
7440-38-2	Arsenic	PPB	10.4		9.3	
7440-39-3	Barium	PPB	110		102	
7440-41-7	Beryllium	PPB	0.92		0.81	
7440-43-9	Cadmium	PPB	0.04	U	0.15	B
7440-70-2	Calcium	PPB	9200		57300	
7440-47-3	Chromium	PPB	80.0		61.7	
7440-48-4	Cobalt	PPB	11.0		9.7	
7440-50-8	Copper	PPB	100		75	
7439-89-6	Iron	PPB	31300		22600	
7439-92-1	Lead	PPB	92.4		74.8	
7439-95-4	Magnesium	PPB	8910		7860	
7439-96-5	Manganese	PPB	515		440	
7440-02-0	Nickel	PPB	37.3		28.8	
7440-09-7	Potassium	PPB	3410		3820	
7440-22-4	Silver	PPB	2.3		2.1	
7440-23-5	Sodium	PPB	8440		6320	

			COMPOSITE O		AMENDED	
	Client Sample ID:				COMPOSITE O	
	Laboratory ID:		669559		669777	
CAS #	Sampling Date:	Units	05/17/2006		05/18/2006	
	Metals (Continued)					
7440-62-2	Vanadium	PPB	36.5		31.5	
7440-66-6	Zinc	PPB	181		179	
7782-49-2	Selenium	PPB	0.46		0.40	
7440-28-0	Thallium	PPB	0.19	B	0.19	B
7439-97-6	Mercury	PPB	1.4		1.3	
57-12-5	Cyanide	PPB	0.49	U	6.80	
	Dioxins					
57117-41-6	1,2,3,7,8-PeCDF	PG/G	7.47	J	2.38	J
57117-31-4	2,3,4,7,8-PeCDF	PG/G	13.5		4.82	J
70648-26-9	1,2,3,4,7,8-HxCDF	PG/G	65.9	Q	19.2	Q B
60851-34-5	2,3,4,6,7,8-HxCDF	PG/G	7.83	B J	2.85	Q B
72918-21-9	1,2,3,7,8,9-HxCDF	PG/G	10.8	U	0.129	Q B
67562-39-4	1,2,3,4,6,7,8-HpCDF	PG/G	250	B	80.5	B
39001-02-0	OCDF	PG/G	329	B	214	B
1746-01-6	2,3,7,8-TCDD	PG/G	42.1		30.7	
40321-76-4	1,2,3,7,8-PeCDD	PG/G	3.18	Q J	0.914	Q J
19408-74-3	1,2,3,7,8,9-HxCDD	PG/G	9.32	J	3.7	J
35822-46-9	1,2,3,4,6,7,8-HpCDD	PG/G	252	B	125	B
3268-87-9	OCDD	PG/G	2660	B	1240	B
57117-44-9	1,2,3,6,7,8-HxCDF	PG/G	15.1	B	4.05	B J
55673-89-7	1,2,3,4,7,8,9-HpCDF	PG/G	10.8	Q B	3.39	Q B
39227-28-6	1,2,3,4,7,8-HxCDD	PG/G	4.55	B J	1.21	B J
57653-85-7	1,2,3,6,7,8-HxCDD	PG/G	17.4		5.03	J
51207-31-9	2,3,7,8-TCDF	PG/G	13.9		5.98	Q
-	TEQ	-	72		42	
Note: For the TEQ calculation ND TEQ concentration						

Table 2. **Grain Size Distribution, Percent Moisture and TOC of the Individual Sediment Cores and Unamended Composites**

Sample ID	ASI #	% Clay	% Silt	% Sand < 2 mm	Total % Sand ≥ 2 mm + Gravel	% Moisture	TOC ppm	% TOC of Dry Weight
PAPN-1	20060634	48.5	51.5	0	0	60.4	29,413	2.94
PAPN-2	20060635	46.4	53.5	0	0.06	60.8	34,905	3.49
PAPN-3	20060636	45.5	54.4	0	0.14	59.1	31,845	3.18
PAPN-4	20060479	46.6	53.4	0	0	56.1	31,531	3.15
PAPN-5	20060480	46.5	53.4	0	0.07	62.1	32,023	3.2
PAPN-6	20060483	31.0	53.1	15.9	0.01	47.5	30,029	3.00
PAPN-7	20060478	48.9	51.0	0	0.11	62.3	31,908	3.19
PAPN-8	20060465	36.5	63.4	0	0.11	58.3	33,203	3.32
PAPN-9	20060466	41.3	58.2	0	0.46	57.3	37,697	3.77
PAPN-10	20060454	58.2	41.8	0	0	36.5	13,107	1.31
PAPN-11	20060455	38.4	61.6	0	0.03	63.9	40,940	4.09
PAPN-12	20060453	34.1	65.9	0	0	59.3	50,283	5.03
PAPN-13	20060469	27.8	60.3	11.8	0.08	60.1	45,265	4.53
PAPN-14	20060468	38.4	61.6	0	0	65.5	35,645	3.56
PAPN-15	20060467	45.3	54.5	0	0.17	64.9	36,279	3.63
PAPN-16	20060462	46.9	47.1	0	6.02	39.4	15,363	1.54
PAPN-17	20060463	35.9	64.1	0	0	54.5	37,135	3.71
PAPN-18	20060464	47.1	52.9	0	0	58.7	29,022	2.9
PAPN-19	20060447	46.2	53.8	0	0	49.1	31,318	3.13
PAPC-20	20060448	42.3	57.7	0	0	56.6	30,757	3.08
PAPC-21	20060449	50.2	49.8	0	0	49.7	26,886	2.69
PAPC-22	20060541	42.0	57.6	0	0.36	57.1	35,033	3.5
PAPC-23	20060522	46.5	53.5	0	0.06	55.3	31,913	3.19
PAPC-24	20060515	44.4	55.5	0	0.05	54.9	33,765	3.38
PAPC-25	20060518	43.2	56.7	0	0.11	55.9	33,882	3.39
PAPC-26	20060542	48.2	51.8	0	0.03	57.2	28,216	2.82
PAPC-27	20060517	43.2	56.8	0	0	54.6	28,825	2.88
PAPC-27 dup	20060517	42.4	57.6	0	0			
PAPC-27 trip	20060517	43.2	56.8	0	0			
PAPC-28	20060543	46.2	53.8	0	0	53.6	28,506	2.85
PAPC-29	20060503	34.7	42.1	0	23.1	54.7	20,861	2.09
PAPC-30	20060547	50.9	49.1	0	0.03	49.8	21,013	2.1
PAEC-31	20060487	37.0	50.9	12.1	0	50.3	20,895	2.09
PAEC-31 dup	20060487	40.8	49.7	9.55	0			
PAEC-31 trip	20060487	39.1	48.9	12.1	0			

Table 2. **Grain Size Distribution, Percent Moisture and TOC of the Individual Sediment Cores and Unamended Composites - continued**

Sample ID	ASI #	% Clay	% Silt	% Sand < 2 mm	Total % Sand ≥ 2 mm + Gravel	% Moisture	TOC ppm	% TOC of Dry Weight
PAEC-31 (X)	20060530	48.1	51.8	0	0.11	53.2	25,805	2.58
PAEC-31 (X) dup	20060530	48.8	51.2	0	0.04			
PAEC-31 (X) trip	20060530	47.6	52.3	0	0.04			
PAEC-32	20060488	46.2	53.7	0	0.05	59.2	31,373	3.14
PAEC-32 (X)	20060531	36.8	52.0	11.1	0.12	43.2	31,062	3.11
PAEC-33	20060481	47.9	52.1	0	0	52.1	20,604	2.06
PAEC-34	20060484	28.4	54.0	16.7	0.87	54.4	46,803	4.68
PAEC-35	20060485	43.2	56.8	0	0	57.1	31,903	3.19
PAEC-36	20060486	44.3	55.7	0	0.01	55.6	30,586	3.06
PAEC-37	20060519	40.2	53.7	0.16	6.01	48.7	28,849	2.88
PAEC-38	20060544	47.6	48.9	3.32	0.16	52.2	23,491	2.35
PAEC-39	20060504	58.5	40.6	0.81	0.15	48.2	17,824	1.78
PAEC-40	20060545	50.5	49.5	0	0.07	48.0	22,707	2.27
PAEC-41	20060546	51.0	49.0	0	0.02	56.3	25,786	2.58
PAEC-43	20060489	48.7	51.3	0	0	55.2	25,418	2.54
PAEC-44	20060490	46.9	53.1	0	0.05	55.9	29,527	2.95
PAEC-45	20060491	44.5	53.4	2.10	0.03	52.2	30,168	3.02
PANB-46	20060532	36.2	53.4	10.4	0.02	51.2	23,508	2.35
PANB-47	20060533	38.2	57.9	3.21	0.04	47.3	28,534	2.85
PANB-48	20060526	37.7	53.5	8.71	0.08	48.6	29,960	3.00
PANB-49	20060525	39.8	49.8	10.3	0.14	45.8	29,644	2.96
PANB-50	20060520	45.6	52.3	2.00	0.08	54.1	23,434	2.34
PANB-51	20060516	40.8	49.0	9.68	0.46	45.0	30,531	3.05
PANB-52	20060505	35.2	52.5	12.2	0.14	51.2	22,088	2.21
PASE-53	20060492	41.6	58.4	0	0	54.0	33,025	3.30
PASE-54	20060521	44.6	55.3	0	0.11	56.7	30,285	3.03
Composite A	20060642	49.3	50.7	0	0	59.8	32,571	3.26
Composite A dup	20060642					59.8		
Composite A trip	20060642					59.9		
Composite B	20060493	40.3	59.7	0	0	55.7	35,125	3.51
Composite C	20060482	37.9	62.0	0	0.10	58.8	42,553	4.26
Composite C dup	20060482					59.0		
Composite C trip	20060482					58.8		
Composite D	20060459	42.1	57.9	0	0.05	53.1	32,075	3.21
Composite E	20060474	38.3	61.6	0	0.09	63.1	34,849	3.48

Table 2. **Grain Size Distribution, Percent Moisture and TOC of the Individual Sediment Cores and Unamended Composites - continued**

Sample ID	ASI #	% Clay	% Silt	% Sand < 2 mm	Total % Sand ≥ 2 mm + Gravel	% Moisture	TOC ppm	% TOC of Dry Weight
Composite F	20060475	45.1	54.9	0	0	52.3	24,535	2.45
Composite F dup	20060475	45.4	54.1	0	0.52			
Composite F trip	20060475	45.9	54.1	0	0			
Composite G	20060460	50.2	49.8	0	0	50.4	27,636	2.76
Composite G dup	20060460	48.3	51.6	0	0.06	50.9		
Composite G trip	20060460	49.1	50.9	0	0.01	51.3		
Composite H	20060548	41.1	58.6	0	0.35	54.0	33,266	3.33
Composite I	20060549	42.4	57.6	0	0	56.0	30,787	3.08
Composite I dup	20060549	41.8	58.2	0	0	56.1		
Composite I trip	20060549	42.6	57.4	0	0	55.8		
Composite J	20060534	43.2	47.4	0	9.42	52.1	21,242	2.12
Composite K	20060494	48.3	51.7	0	0.03	53.8	24,353	2.44
Composite L	20060495	36.3	63.3	0	0.41	56.1	36,305	3.63
Composite L dup	20060495					56.0		
Composite L trip	20060495					55.7		
Composite M	20060535	48.4	48.6	2.48	0.45	50.3	24,444	2.44
Composite N	20060550	41.4	58.6	0	0	51.3	24,264	2.43
Composite O	20060496	44.7	55.0	0	0.31	54.6	29,102	2.91
Composite P	20060536	39.0	55.4	5.55	0.03	49.0	27,958	2.80
Composite Q	20060537	41.9	52.3	5.68	0.10	48.0	29,243	2.92
Composite Q dup	20060537					48.3		
Composite Q trip	20060537					48.3		
Composite R	20060523	39.4	60.6	0	0	46.2	29,042	2.90
Composite X	20060538	46.1	53.8	0	0.08	48.6	25,173	2.52

Grain Size Distribution, Percent Moisture and TOC of the Individual Sediment Cores and Unamended Composites ASI Job No. 26-183

Sample ID	ASI #	% Clay	% Silt	% Sand < 2 mm	Total % Sand ≥ 2 mm + Gravel	% Moisture	TOC ppm	% TOC of Dry Weight
PN 1-1	20060629	34.1	65.2	0	0.73	58.2	38,267	3.83
PN 1-2	20060630	43.0	57.0	0	0.07	60.2	32,591	3.26
PN-1-3	20060631	43.6	56.3	0	0.04	58.6	36,825	3.68
PN 1-4	20060632	48.6	51.0	0	0.47	56.0	35,185	3.52
PN 1-4 dup	20060632	49.8	48.7	0	1.59			
PN 1-4 trip	20060632	49.2	49.0	0	1.80			
PN 1-5	20060633	39.4	56.5	3.97	0.10	56.9	19,219	1.92
Composite A	20060638	41.4	58.5	0	0.08	58.6	34,743	3.47
Composite B	20060640	44.3	55.4	0	0.28	60.6	33,759	3.38

Table 3. **Percent Moisture, Grain Size Distribution and TOC of the Individual Cores and Unamended Composites**

Sample ID	ASI #	% Clay	% Silt	% Sand	% Gravel	% Moisture	TOC ppm	% TOC of Dry Weight
63-1	20081234	10.2	14.2	38.9	36.7	50.5	27,785	2.78
63-2	20081235	2.6	75.6	13.4	8.4	22.1	5,342	5.34
63-3	20081236	20.4	50.2	17.3	12.1	27.3	14,854	1.49
36-1	20081237	0	9.6	45.6	44.8	51.2	25,761	2.58
36-2	20081238	7.4	7.2	39.2	46.2	49.2	24,852	2.49
36-2	20081238 dup					49		
36-2	20081238 trip					48.9		
36-3	20081239	0	6.7	44.5	48.8	51.8	24,987	2.5
Comp 1	20081244	13.7	11.1	41.3	33.9	46.4	24,390	2.44
Comp 2	20081245	24.1	55.9	12.3	7.7	21.7	10,121	1.01
Comp 2	20081245 dup	17.2	61.8	12.3	8.7			
Comp 2	20081245 trip	39.2	45.2	8.5	7.1			
Comp 3	20081241	3.7	6.1	43.2	47	50.5	25,302	2.53

	Client Sample ID:		AMENDED		AMENDED		AMENDED	
			COMPOSITE K		COMPOSITE L		COMPOSITE M	
	Matrix:		SPLP ZHE		SPLP ZHE		SPLP ZHE	
	Laboratory ID:		669773		669776		670711	
	SPLP ZHE Date:		06/06/2006		06/06/2006		06/07/2006	
CAS #	Analyte	Unit	Concentration		Concentration		Concentration	
	Volatiles							
74-87-3	Chloromethane	ppb	10	U	10	U	10	U
75-01-4	Vinyl Chloride	ppb	10	U	10	U	10	U
74-83-9	Bromomethane	ppb	10	U	10	U	10	U
75-00-3	Chloroethane	ppb	10	U	10	U	10	U
75-35-4	1,1-Dichloroethene	ppb	10	U	10	U	10	U
67-64-1	Acetone	ppb	25		24		11	
75-15-0	Carbon Disulfide	ppb	10	U	10	U	10	U
75-09-2	Methylene Chloride	ppb	10	U	10	U	10	U
540-59-0	1,2-Dichloroethene (total)	ppb	10	U	10	U	10	U
75-34-3	1,1-Dichloroethane	ppb	10	U	10	U	10	U
78-93-3	2-Butanone	ppb	10	U	10	U	10	U
67-66-3	Chloroform	ppb	10	U	10	U	10	U
71-55-6	1,1,1-Trichloroethane	ppb	10	U	10	U	10	U
56-23-5	Carbon Tetrachloride	ppb	10	U	10	U	10	U
71-43-2	Benzene	ppb	10	U	10	U	10	U
107-06-2	1,2-Dichloroethane	ppb	10	U	10	U	10	U
79-01-6	Trichloroethene	ppb	10	U	10	U	10	U
78-87-5	1,2-Dichloropropane	ppb	10	U	10	U	10	U
75-27-4	Bromodichloromethane	ppb	10	U	10	U	10	U
10061-01-5	cis-1,3-Dichloropropene	ppb	10	U	10	U	10	U
108-10-1	4-Methyl-2-pentanone	ppb	10	U	10	U	10	U
108-88-3	Toluene	ppb	10	U	10	U	10	U
10061-02-6	trans-1,3-Dichloropropene	ppb	10	U	10	U	10	U
79-00-5	1,1,2-Trichloroethane	ppb	10	U	10	U	10	U
127-18-4	Tetrachloroethene	ppb	10	U	10	U	10	U
591-78-6	2-Hexanone	ppb	10	U	10	U	10	U
124-48-1	Dibromochloromethane	ppb	10	U	10	U	10	U
108-90-7	Chlorobenzene	ppb	10	U	10	U	10	U
100-41-4	Ethylbenzene	ppb	10	U	10	U	10	U
1330-20-7	Xylene (total)	ppb	10	U	10	U	10	U
100-42-5	Styrene	ppb	10	U	10	U	10	U
75-25-2	Bromoform	ppb	10	U	10	U	10	U
79-34-5	1,1,2,2-Tetrachloroethane	ppb	10	U	10	U	10	U

* Volatile samples were assigned a separate laboratory number since they were prepared as Zero Headspace Ext

	Client Sample ID:		AMENDED		AMENDED	
			COMPOSITE N		COMPOSITE O	
	Matrix:		SPLP ZHE		SPLP ZHE	
	Laboratory ID:		670714		669779	
	SPLP ZHE Date:		06/07/2006		06/07/2006	
CAS #	Analyte	Unit	Concentration		Concentration	
	Volatiles					
74-87-3	Chloromethane	ppb	10	U	10	U
75-01-4	Vinyl Chloride	ppb	10	U	10	U
74-83-9	Bromomethane	ppb	10	U	10	U
75-00-3	Chloroethane	ppb	10	U	10	U
75-35-4	1,1-Dichloroethene	ppb	10	U	10	U
67-64-1	Acetone	ppb	11		27	
75-15-0	Carbon Disulfide	ppb	10	U	10	U
75-09-2	Methylene Chloride	ppb	10	U	10	U
540-59-0	1,2-Dichloroethene (total)	ppb	10	U	10	U
75-34-3	1,1-Dichloroethane	ppb	10	U	10	U
78-93-3	2-Butanone	ppb	10	U	10	U
67-66-3	Chloroform	ppb	10	U	10	U
71-55-6	1,1,1-Trichloroethane	ppb	10	U	10	U
56-23-5	Carbon Tetrachloride	ppb	10	U	10	U
71-43-2	Benzene	ppb	10	U	10	U
107-06-2	1,2-Dichloroethane	ppb	10	U	10	U
79-01-6	Trichloroethene	ppb	10	U	10	U
78-87-5	1,2-Dichloropropane	ppb	10	U	10	U
75-27-4	Bromodichloromethane	ppb	10	U	10	U
10061-01-5	cis-1,3-Dichloropropene	ppb	10	U	10	U
108-10-1	4-Methyl-2-pentanone	ppb	10	U	10	U
108-88-3	Toluene	ppb	10	U	10	U
10061-02-6	trans-1,3-Dichloropropene	ppb	10	U	10	U
79-00-5	1,1,2-Trichloroethane	ppb	10	U	10	U
127-18-4	Tetrachloroethene	ppb	10	U	10	U
591-78-6	2-Hexanone	ppb	10	U	10	U
124-48-1	Dibromochloromethane	ppb	10	U	10	U
108-90-7	Chlorobenzene	ppb	10	U	10	U
100-41-4	Ethylbenzene	ppb	10	U	10	U
1330-20-7	Xylene (total)	ppb	10	U	10	U
100-42-5	Styrene	ppb	10	U	10	U
75-25-2	Bromoform	ppb	10	U	10	U
79-34-5	1,1,2,2-Tetrachloroethane	ppb	10	U	10	U

* Volatile samples were assigned a separaction (ZHE) MEPs.

	Client Sample ID		PN 3-1		PN 3-2		PN 3-3		PN 3-4		PN 3-5		PN 3-6		PN 3-7		PN 3-8		PN 3-9	
	Laboratory ID		676505		676506		681429		681408		681314		681315		681316		677321		681317	
CAS #	Sampling Date		7/18/2006		7/18/2006		8/31/2006		8/30/2006		8/28/2006		8/23/2006		8/25/2006		7/24/2006		8/23/2006	
	General Chemistry	**Units**																		
	Moisture Content	%	24.4		15.8		23.3		22.4		25.4		19.9		21.7		21.9		21.2	
GS015	Gravel	%	14.2		22.7		27.4		5.6		53.3		20.5		18.6		20.3		22.1	
GS016	Coarse Sand	%	18.1		18.6		10.9		3.4		3.9		19.6		7.9		9.1		10.7	
GS017	Medium Sand	%	46.9		42		28.6		14.1		6.6		42.4		20.3		28.9		31.6	
GS018	Fine Sand	%	13		9.7		21.8		28.5		10.4		9.2		11.9		37.2		18.4	
GS019	Silt	%	4.2		5		6.9		36.2		16.3		4.8		32.3		1.7		9.8	
GS020	Clay	%	3.4		2		4.5		12.2		9.4		3.6		9.0		2.9		7.3	
	Wet Chemistry																			
	Solids, Percent	%	80.2		88.5		83.2		83.6		80		83.7		87.2		78.2		81.5	
	TOC by Lloyd Kahn	PPM					15800		2920		1810		597	U	1520		5190		1970	