

KEARNY MARSH RESTORATION LAB ANALYSIS SUBMISSION

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Data Submitted by: Steve Yergeau Date: January 2, 2007

Data Collected by: Steve Yergeau, Mehran Niazi, Josef Kardos, Rob Miskewitz

Data Analyzed by: Dr. Brian Buckley, EOHSI

Project PI: Dr. Chris Obropta

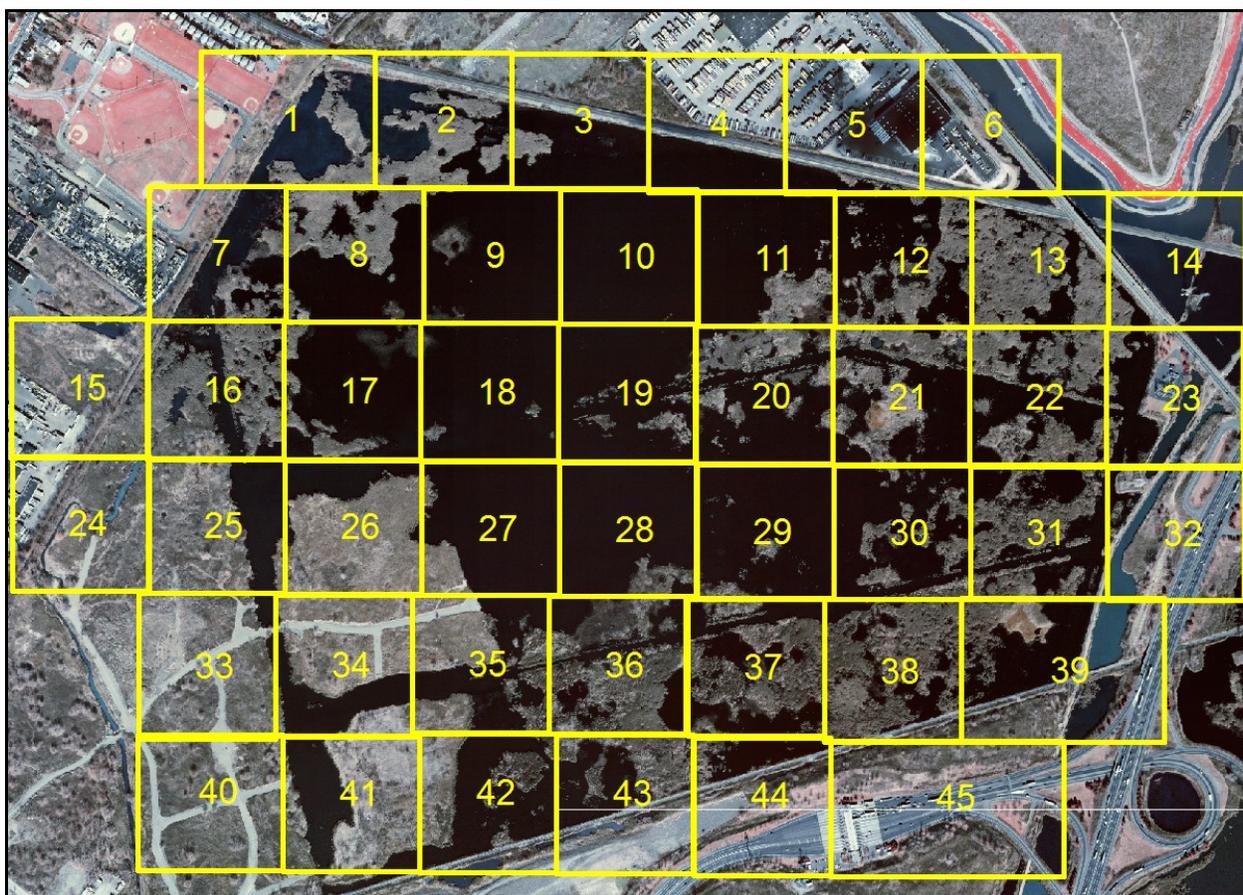
Analysis is one of the following (please **bold** if submitting electronically, *circle* if submitting in paper form):

- Soil/Sediment (bulk soil, dry soil, or porewater)
- Surface Water (dissolved, particulate, or whole water)
- Groundwater (dissolved, particulate, or whole water)**
- Air (gas, particle, precipitation)
- Detritus
- Biota (specify)
- Other

Short Description of Data Collection:

Date Collected: September 25, September 27, & September 29, 2006

Groundwater samples were collected from the 12 monitoring wells installed around the perimeter of Kearny Marsh (Grid 7, Grid 15, Grid 13, Grid 39 and Grid 42).



Method Detection Limit Information:

Please use this area below to describe MDLs appropriate for this analysis. Please include the units.

<u>Analysis</u>	<u>MDL</u>	<u>Analysis</u>	<u>MDL</u>
<i>Li</i>		<i>Rb</i>	
<i>Be</i>		<i>Sr</i>	
<i>Ti</i>		<i>Pd</i>	
<i>V</i>		<i>Ag</i>	
<i>Cr</i>		<i>Cd</i>	
<i>Co</i>		<i>In</i>	
<i>Ni</i>		<i>Sb</i>	
<i>Mn</i>		<i>Cs</i>	
<i>Fe</i>		<i>Ba</i>	
<i>Cu</i>		<i>Hg</i>	
<i>Zn</i>		<i>Tl</i>	
<i>Ga</i>		<i>Pb</i>	
<i>As</i>		<i>Bi</i>	
<i>Se</i>		<i>U</i>	

Contact Information:

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Compound Name	Calculated MDL (ng/L) using both SPE + SPME*	Calculated MDL (ng/L) using SPE*	Calculated MDL (ng/L) using SPME*
1,1'-Biphenyl, 2,2',5-trichloro-	0.0114	0.0012	0.0217
1,1'-Biphenyl, 2,4,4'-trichloro-	0.0035	0.0010	0.0060
1,1'-Biphenyl, 2, 4',5-trichloro-	0.0035	0.0010	0.0060
1,1'-Biphenyl, 2,2',5,5'-tetrachloro-	0.0039	0.0011	0.0067
1,1'-Biphenyl, 2,2',3,5-tetrachloro-	0.0037	0.0011	0.0063
1,1'-Biphenyl, 2,3',4,4',5-pentachloro-	0.0039	0.0029	0.0048
1,1'-Biphenyl, 2,2',4,4',5'-pentachloro-	0.0048	0.0044	0.0052
1,1'-Biphenyl, 2,2',4,4',5,5'-hexachloro	0.0054	0.0078	0.0030
1,1'-Biphenyl, 2,2',3,4',5',6-hexachloro	0.0056	0.0074	0.0038
1,1'-Biphenyl, 2,2',3,4,4',5'-hexachloro	0.0047	N/A	0.0047
1,1'-Biphenyl, 2,2',3,4,4',5,5'-heptachloro	0.0115	N/A	0.0115
1,1'-Biphenyl, 2,2',3,3',4,4', 5, 5'- octachlorobiphenyl	0.0632	0.0632	N/A
Acenaphthylene	0.0015	N/A	0.0015
Acenaphthene	0.0086	N/A	0.0086
Fluorene	0.0034	N/A	0.0034
Azobenzene	0.1247	0.0052	0.2443
Phenanthrene	0.0003	0.0002	0.0005
Anthracene	0.0004	N/A	0.0004
Carbazole	0.0181	N/A	0.0181
Fluoranthene	0.0004	0.0002	0.0006
Pyrene	0.0005	N/A	0.0005
Benzo(a)anthracene	1.6331	N/A	1.6331
Chrysene	0.5358	N/A	0.5358