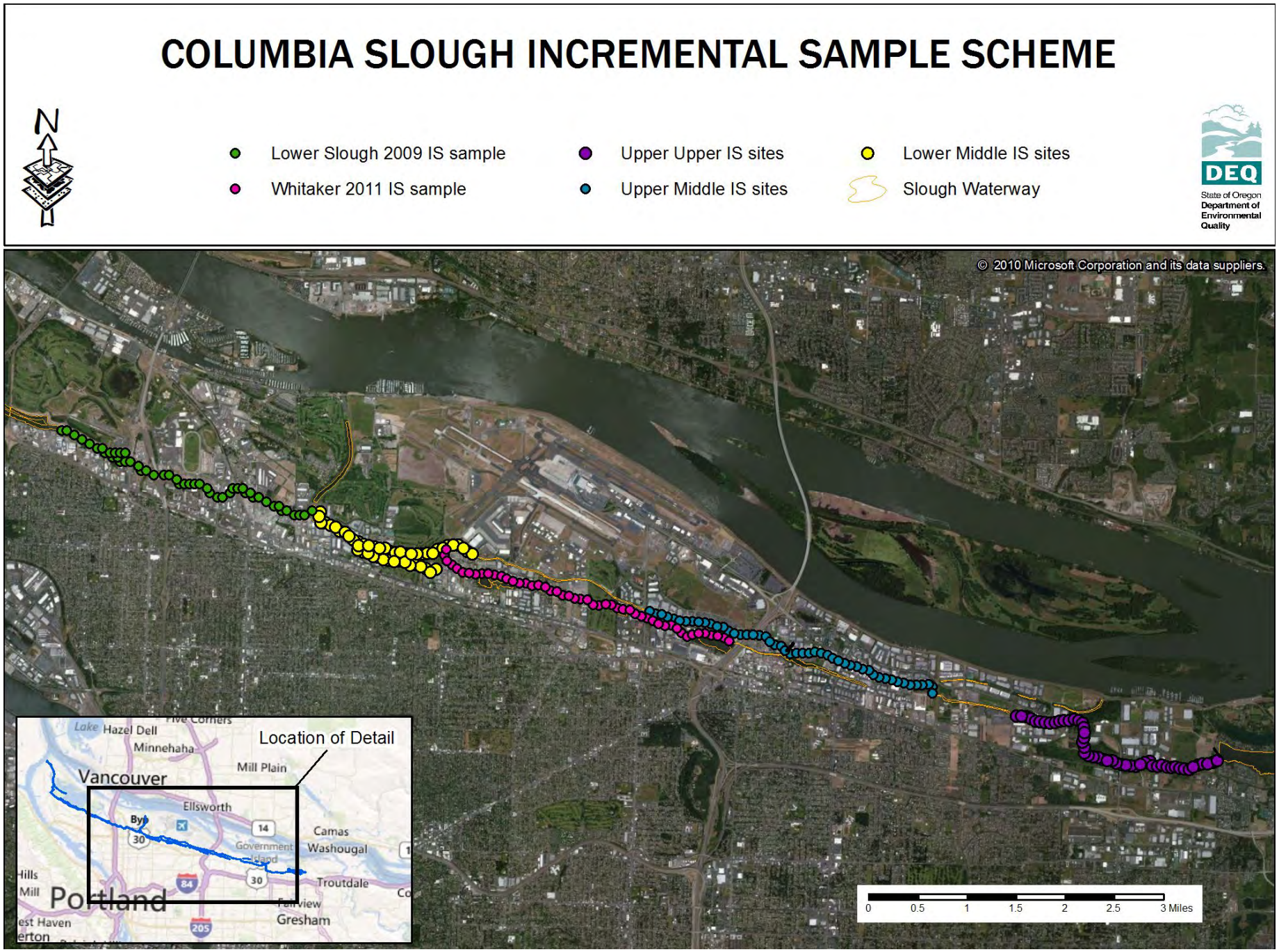
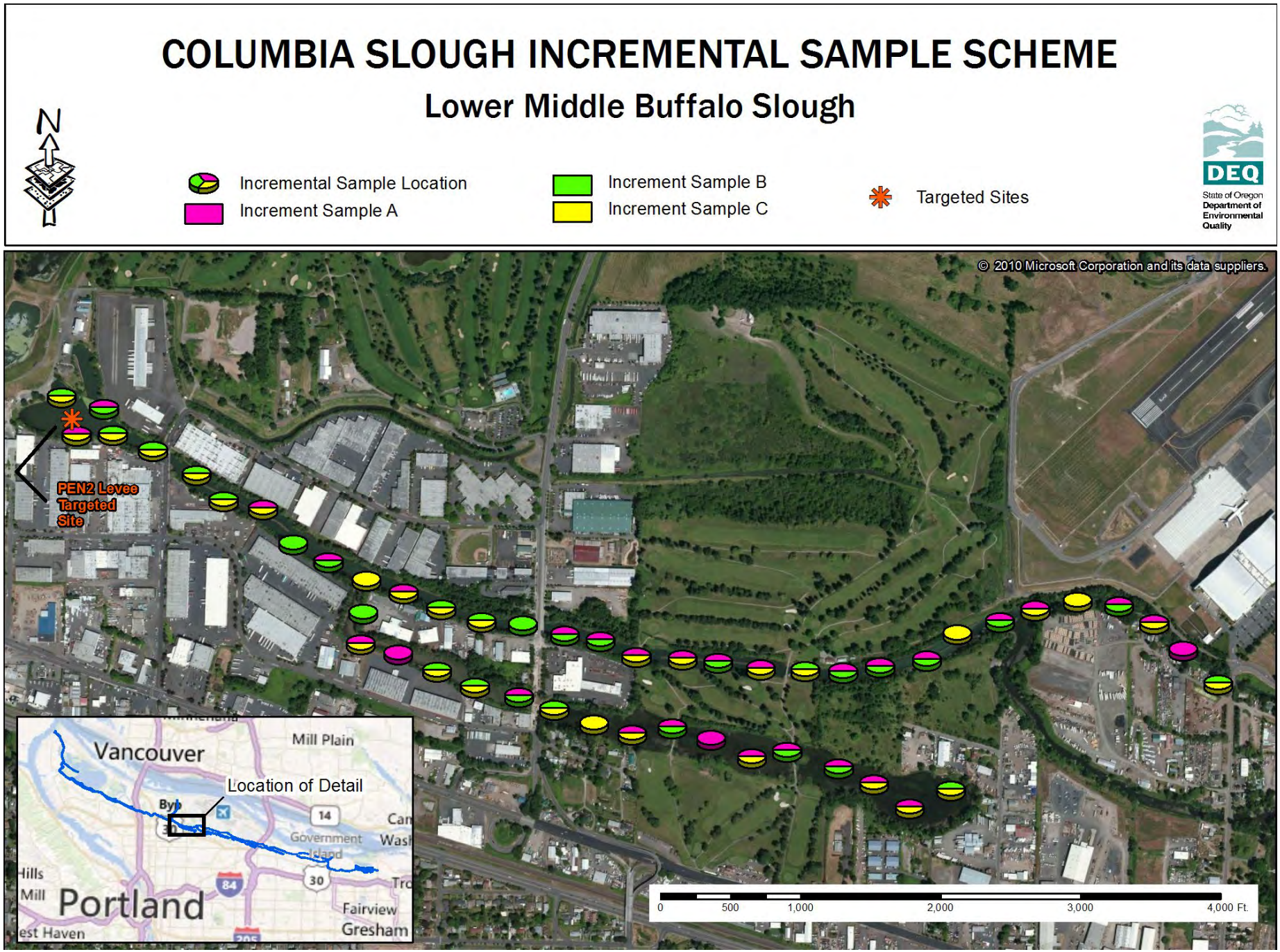
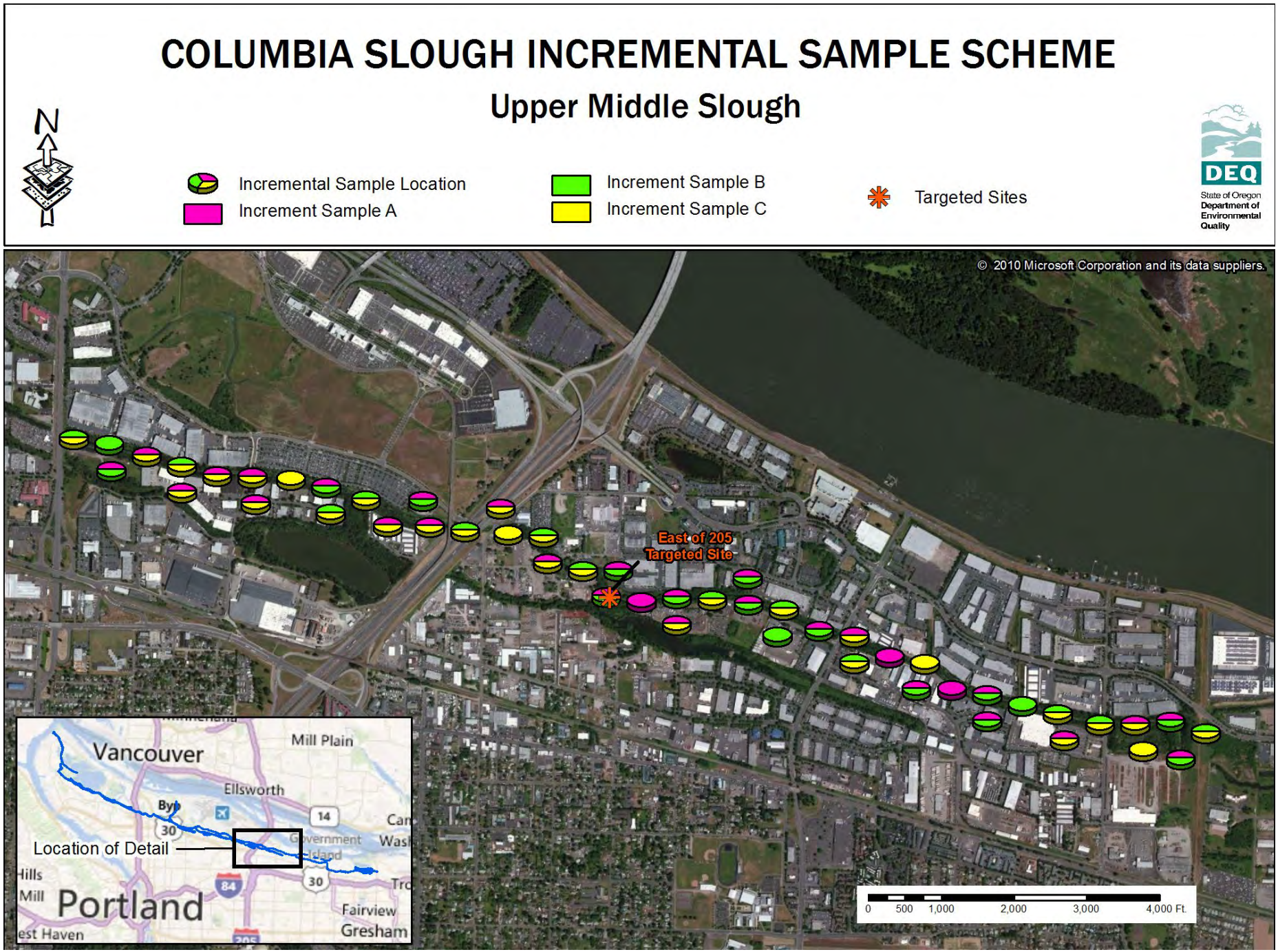
Appendix A: Maps of sample locations



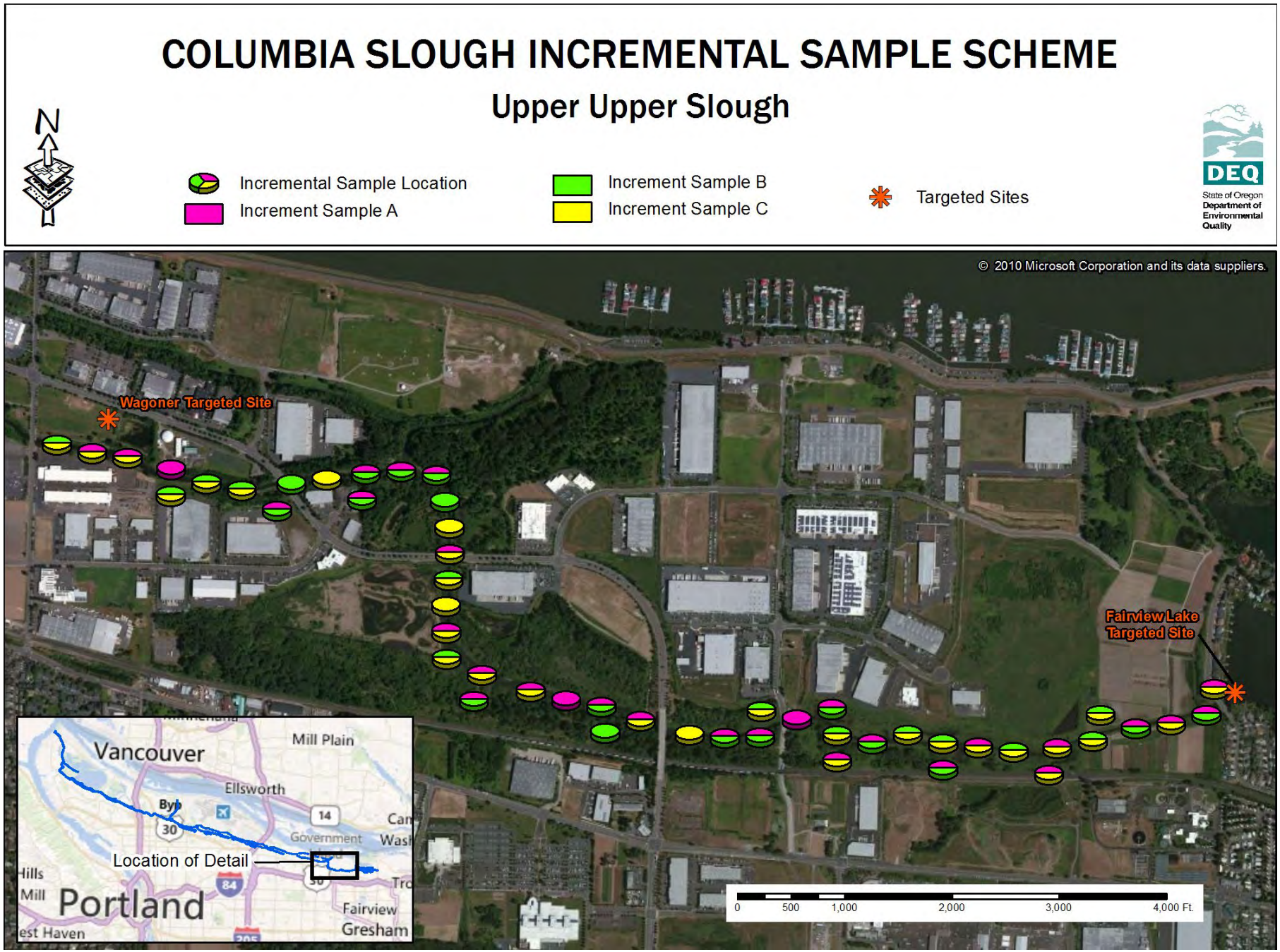
Appendix A: Maps of sample locations



Appendix A: Maps of sample locations



Appendix A: Maps of sample locations



Lower Middle Slough and Buffalo Slough
Incremental Sampling Locations

Site Name	Triplicate Jar A	B	C	Proposed: Lat	Long	Date Sampled	Actual: Lat	Long	Depth (cm)	Notes
IS11-BS001		B	C	45.57519	-122.62193	7/19/2011	45.57513	-122.62180	10	
IS11-BS002	A		C	45.57476	-122.62309	7/19/2011	45.57475	-122.62298	7	
IS11-BS003	A		C	45.57526	-122.62407	7/19/2011	45.57521	-122.62403	10	very soft sediment
IS11-BS004	A	B		45.57556	-122.62508	7/19/2011	45.5755	-122.62494	10	very soft sediment
IS11-BS005	A	B		45.57582	-122.62626	7/19/2011	45.5758	-122.62639	10	very soft sediment
IS11-BS006	A		C	45.57569	-122.62747	7/19/2011	45.57566	-122.62737	10	very soft sediment
IS11-BS007	A			45.57614	-122.62852	7/19/2011	45.576	-122.62852	10	very soft sediment
IS11-BS008	A	B		45.57629	-122.62959	7/19/2011	45.5762	-122.62961	10	very soft sediment
IS11-BS009	A		C	45.57617	-122.63082	7/19/2011	45.57606	-122.63072	10	very soft sediment
IS11-BS010			C	45.57636	-122.63191	7/19/2011	45.57624	-122.63180	10	very soft sediment
IS11-BS011		B	C	45.57643	-122.63303	7/19/2011	45.5765	-122.63294	10	moved -construction
IS11-BS012	A	B		45.57679	-122.63408	7/18/2011	45.57673	-122.63391	7	
IS11-BS013		B	C	45.57690	-122.63524	7/18/2011	45.5769	-122.63515	10	
IS11-BS014		B	C	45.57728	-122.63622	7/18/2011	45.57719	-122.63622	10	
IS11-BS015	A			45.57753	-122.63729	7/18/2011	45.57751	-122.63731	10	
IS11-BS016	A		C	45.57774	-122.63839	7/18/2011	45.57768	-122.63837	7	weeds
IS11-BS017		B		45.57842	-122.63838	7/18/2011	45.57829	-122.63832	7	
IS11-MS001		B	C	45.57762	-122.61444	7/14/2011	45.57734	-122.61442	7	
IS11-MS002	A			45.57800	-122.61544	7/14/2011	45.57799	-122.61542	5	weeds
IS11-MS003	A		C	45.57848	-122.61632	7/14/2011	45.57849	-122.61628	7	weeds
IS11-MS004	A	B		45.57888	-122.61730	7/14/2011	45.57882	-122.61725	7	weeds
IS11-MS005			C	45.57890	-122.61845	7/14/2011	45.57889	-122.61840	10	clam
IS11-MS006	A		C	45.57877	-122.61960	7/14/2011	45.5787	-122.61960		weeds
IS11-MS007	A	B		45.57836	-122.62061	7/14/2011	45.57845	-122.62055	7	weeds
IS11-MS008			C	45.57815	-122.62173	7/14/2011	45.57815	-122.62173	7	weeds
IS11-MS009	A	B		45.57755	-122.62262	7/14/2011	45.57766	-122.62256	7	
IS11-MS010	A	B		45.57754	-122.62382	7/14/2011	45.5775	-122.62386	10	
IS11-MS011	A	B		45.57743	-122.62491	7/14/2011	45.57738	-122.62489	10	
IS11-MS012		B	C	45.57746	-122.62603	7/14/2011	45.57739	-122.62595	7	
IS11-MS013	A		C	45.57738	-122.62721	7/12/2011	45.5774	-122.62719	7	
IS11-MS014	A	B		45.57735	-122.62835	7/12/2011	45.57751	-122.62838	10	
IS11-MS015	A		C	45.57763	-122.62949	7/12/2011	45.57755	-122.62938	10	
IS11-MS016	A		C	45.57754	-122.63059	7/12/2011	45.57758	-122.63067	10	
IS11-MS017	A	B		45.57770	-122.63171	7/12/2011	45.57787	-122.63168	10	
IS11-MS018	A	B		45.57816	-122.63273	7/12/2011	45.57796	-122.63268	10	
IS11-MS019		B		45.57815	-122.63391	7/12/2011	45.57814	-122.63386	5	
IS11-MS020		B	C	45.57831	-122.63501	7/12/2011	45.57818	-122.63501	10	

Appendix B: Sample Locations and Field Notes

Lower Middle Slough and Buffalo Slough
Incremental Sampling Locations

Site Name	Triplicate Jar			Proposed:		Date	Actual:		Depth	
	A	B	C	Lat	Long	Sampled	Lat	Long	(cm)	Notes
IS11-MS021		B	C	45.57843	-122.63616	7/12/2011	45.57841	-122.63615	7	
IS11-MS022	A		C	45.57863	-122.63726	7/12/2011	45.5787	-122.63721	10	
IS11-MS023			C	45.57899	-122.63832	7/12/2011	45.57893	-122.63825	10	
IS11-MS024	A	B		45.57920	-122.63946	7/12/2011	45.57927	-122.63945	7	
IS11-MS025		B		45.57973	-122.64035	7/12/2011	45.57961	-122.64032	10	
IS11-MS026	A		C	45.58033	-122.64119	7/12/2011	45.58028	-122.64119	10	
IS11-MS027		B	C	45.58048	-122.64237	7/12/2011	45.5805	-122.64230	7	
IS11-MS028		B	C	45.58103	-122.64322	7/12/2011	45.58092	-122.64307	10	
IS11-MS029		B	C	45.58130	-122.64433	7/12/2011	45.58136	-122.64430	7	
IS11-MS030		B	C	45.58161	-122.64541	7/12/2011	45.58169	-122.64543	5	sandy gravel
IS11-MS031	A		C	45.58165	-122.64630	7/12/2011	45.58163	-122.64644	10	
IS11-MS032		B	C	45.58256	-122.64681	7/12/2011	45.58237	-122.64689	7	
IS11-MS033	A	B		45.58322	-122.64659	7/12/2011	45.58216	-122.64570	7	moved- due to near pump station
								Average	8.6	cm

Appendix B: Sample Locations and Field Notes

Upper Middle Columbia Slough
Incremental Sampling Locations

Site Name	Triplicate Jar A	B	C	Proposed: Lat	Long	Date Sampled	Actual: Lat	Long	Depth (cm)	Notes
IS11-MS101	A	B		45.55881	-122.51702	6/27/2011	45.55877	-122.51705	7	
IS11-MS102		B	C	45.55974	-122.51705	6/27/2011	45.55977	-122.51707	10	
IS11-MS103	A	B		45.56017	-122.51778	6/27/2011	45.56019	-122.51776	5	
IS11-MS104			C	45.56005	-122.51910	6/27/2011	45.56001	-122.51912	5	
IS11-MS105	A		C	45.56000	-122.52043	6/27/2011	45.56002	-122.52048	7	clams
IS11-MS106		B	C	45.55995	-122.52176	6/27/2011	45.56001	-122.52145	10	
IS11-MS107	A		C	45.56022	-122.52304	6/27/2011	45.56015	-122.52304	10	
IS11-MS108		B	C	45.56041	-122.52434	6/27/2011	45.56036	-122.52428	7	weeds
IS11-MS109		B		45.56064	-122.52564	6/27/2011	45.56064	-122.52564	5	
IS11-MS110	A	B		45.56076	-122.52695	6/27/2011	45.56076	-122.52695	5	
IS11-MS111	A	B		45.56099	-122.52823	6/23/2011	45.56100	-122.52824	10	
IS11-MS112	A			45.56134	-122.52949	6/23/2011	45.56134	-122.52946	10	weeds
IS11-MS113	A	B		45.56193	-122.53051	6/23/2011	45.56196	-122.53075	7	weeds; near outfall plume
IS11-MS114			C	45.56214	-122.53178	6/23/2011	45.56213	-122.53166	7	
IS11-MS115	A			45.56244	-122.53304	6/23/2011	45.56234	-122.53290	10	weeds, very clayey
IS11-MS116		B	C	45.56269	-122.53431	6/23/2011	45.56272	-122.53432	7	weeds
IS11-MS117	A		C	45.56294	-122.53559	6/23/2011	45.56307	-122.53570	7	weeds
IS11-MS118	A	B		45.56324	-122.53686	6/23/2011	45.56327	-122.53680	10	
IS11-MS119		B		45.56363	-122.53807	6/23/2011	45.56381	-122.53893	7	
IS11-MS120		B	C	45.56402	-122.53927	6/23/2011	45.56402	-122.53922	10	clayey
IS11-MS121	A	B		45.56429	-122.54057	6/20/2011	45.56420	-122.54050	9	
IS11-MS122	A	B		45.56447	-122.54184	6/20/2011	45.56450	-122.54185	7	
IS11-MS123		B	C	45.56424	-122.54314	6/20/2011	45.56432	-122.54312	5	weeds
IS11-MS124	A	B		45.56423	-122.54447	6/20/2011	45.56436	-122.54440	5	near coyote pup
IS11-MS125	A		C	45.56420	-122.54579	6/20/2011	45.56422	-122.54574	6	weeds
IS11-MS126	A			45.56412	-122.54711	6/20/2011	45.56417	-122.54710	10	
IS11-MS127	A	B		45.56453	-122.54821	6/20/2011	45.56440	-122.54815	10	
IS11-MS128	A	B		45.56525	-122.54896	6/20/2011	45.56517	-122.54895	10	
IS11-MS129		B	C	45.56538	-122.55028	6/21/2011	45.56530	-122.55030	10	
IS11-MS130	A		C	45.56584	-122.55145	6/21/2011	45.56577	-122.55135	10	
IS11-MS131		B	C	45.56656	-122.55231	6/21/2011	45.56654	-122.55240	7	
IS11-MS132			C	45.56667	-122.55364	6/21/2011	45.56660	-122.55350	5	
IS11-MS133	A		C	45.56677	-122.55497	6/21/2011	45.56677	-122.55490	7	
IS11-MS134		B	C	45.56673	-122.55630	6/21/2011	45.56667	-122.55645	10	
IS11-MS135	A		C	45.56678	-122.55762	6/21/2011	45.56681	-122.55772	10	
IS11-MS136	A	B		45.56688	-122.55895	6/21/2011	45.56690	-122.55910	10	
IS11-MS137	A		C	45.56727	-122.56018	6/21/2011	45.56713	-122.55999	10	
IS11-MS138		B	C	45.56777	-122.56130	6/21/2011	45.56776	-122.56120	10	
IS11-MS139		B	C	45.56787	-122.56261	6/21/2011	45.56791	-122.56290	10	

Upper Middle Columbia Slough
Incremental Sampling Locations

Site Name	Triplicate Jar A	B	C	Proposed: Lat	Long	Date Sampled	Actual: Lat	Long	Depth (cm)	Notes
IS11-MS140	A	B		45.56819	-122.56388	6/21/2011	45.56819	-122.56387	10	
IS11-MS141			C	45.56835	-122.56520	6/22/2011	45.56847	-122.56525	7	
IS11-MS142	A		C	45.56845	-122.56652	6/22/2011	45.56848	-122.56654	10	
IS11-MS143	A		C	45.56856	-122.56783	6/22/2011	45.56850	-122.56780	10	
IS11-MS144	A		C	45.56847	-122.56914	6/22/2011	45.56853	-122.56943	10	
IS11-MS145	A		C	45.56858	-122.57049	6/22/2011	45.56853	-122.57039	10	
IS11-MS146		B	C	45.56884	-122.57176	6/22/2011	45.56886	-122.57171	10	
IS11-MS147	A		C	45.56910	-122.57303	6/22/2011	45.56921	-122.57304	10	
IS11-MS148	A	B		45.56942	-122.57429	6/22/2011	45.56937	-122.57422	10	
IS11-MS149		B		45.56949	-122.57563	6/22/2011	45.56959	-122.57562	10	biological sheen
IS11-MS150		B	C	45.56985	-122.57688	6/22/2011	45.56979	-122.57697	10	
								Average	8.5	cm

Appendix B: Sample Locations and Field Notes

Upper Upper Columbia Slough

Incremental Sampling Locations

Site Name	Triplicate Jar A	B	C	Proposed: Lat	Long	Date Sampled	Actual: Lat	Long	Depth (cm)	Notes
IS11-US001	A		C	45.54988564	-122.456831	7/11/2011	45.55001	-122.45698	7	weeds n rocks
IS11-US002	A	B		45.54963074	-122.4578231	7/11/2011	45.5497	-122.45787	10	
IS11-US003	A		C	45.54943981	-122.4588267	7/11/2011	45.54945	-122.45895	7	organics
IS11-US004	A	B		45.54936002	-122.459854	7/11/2011	45.54933	-122.45982	10	
IS11-US005		B	C	45.54919004	-122.460863	7/11/2011	45.54923	-122.46086	10	
IS11-US006		B	C	45.5489396	-122.4618351	7/11/2011	45.54897	-122.46186	7	
IS11-US007	A		C	45.54855391	-122.4626579	7/11/2011	45.54877	-122.46266	7	
IS11-US008	A		C	45.5485578	-122.463712	7/11/2011	45.54852	-122.46378	7	
IS11-US009		B	C	45.54869085	-122.464694	7/11/2011	45.54864	-122.46481	10	
IS11-US010	A		C	45.54880186	-122.465643	7/11/2011	45.54874	-122.46568	5	
IS11-US011	A	B		45.54873058	-122.4664509	7/7/2011	45.54874	-122.46629	10	
IS11-US012		B	C	45.54882319	-122.4673797	7/7/2011	45.54881	-122.46740	10	
IS11-US013		B	C	45.54904643	-122.4684125	7/7/2011	45.54903	-122.46831	10	
IS11-US014	A	B		45.54890376	-122.4693993	7/7/2011	45.54877	-122.46949	10	
IS11-US015	A		C	45.54896254	-122.4704149	7/7/2011	45.54896	-122.47048	10	
IS11-US016	A	B		45.54955661	-122.4709456	7/7/2011	45.54956	-122.47118	10	
IS11-US017	A			45.54936275	-122.4720246	7/7/2011	45.54935	-122.47218	7	
IS11-US018		B	C	45.5491101	-122.4729697	7/7/2011	45.54915	-122.47299	5	oil sheen
IS11-US019	A	B		45.54882482	-122.4739494	7/7/2011	45.54886	-122.47404	7	
IS11-US020	A	B		45.54887218	-122.4749832	7/7/2011	45.54883	-122.47503	7	
IS11-US021			C	45.548893	-122.4760187	7/7/2011	45.54889	-122.47608	7	
IS11-US022		B	C	45.54899763	-122.4770241	7/7/2011	45.54897	-122.47702	7	
IS11-US023	A		C	45.54921032	-122.4779859	7/6/2011	45.54921	-122.47787	10	
IS11-US024		B		45.54956577	-122.4788982	7/6/2011	45.54939	-122.47890	10	
IS11-US025	A	B		45.54954539	-122.4799093	7/6/2011	45.54954	-122.47993	10	
IS11-US026	A			45.54971283	-122.4808751	7/6/2011	45.54969	-122.48090	10	
IS11-US027	A		C	45.54993887	-122.4818687	7/6/2011	45.5499	-122.48190	10	
IS11-US028	A	B		45.55000681	-122.4829172	7/6/2011	45.55007	-122.482917	10	
IS11-US029	A		C	45.55024761	-122.4839105	7/6/2011	45.55029	-122.48398	10	
IS11-US030		B	C	45.55059506	-122.4847934	7/6/2011	45.55074	-122.48500	10	
IS11-US031	A		C	45.55144518	-122.4848291	7/6/2011	45.55145	-122.48504	7	
IS11-US032			C	45.55214765	-122.485167	7/6/2011	45.55221	-122.48508	10	
IS11-US033		B	C	45.55281947	-122.485005	7/6/2011	45.55285	-122.48501	10	
IS11-US034	A		C	45.55355342	-122.4849364	7/6/2011	45.55355	-122.48498	7	
IS11-US035			C	45.55427753	-122.4849931	7/6/2011	45.55426	-122.48502	10	
IS11-US036		B		45.55492839	-122.485289	7/7/2011	45.55492	-122.48520	7	
IS11-US037	A	B		45.55530228	-122.486168		45.55536	-122.48611	10	

Appendix B: Sample Locations and Field Notes

Upper Upper Columbia Slough

Incremental Sampling Locations

Site Name	Triplicate Jar A	B	C	Proposed: Lat	Long	Date Sampled	Actual: Lat	Long	Depth (cm)	Notes
IS11-US038	A	B		45.55546751	-122.4870968		45.55544	-122.48705	10	
IS11-US039	A	B		45.55579839	-122.498166		45.55537	-122.48811	10	
IS11-US040	A	B		45.5552935	-122.4891514		45.5552	-122.48907	10	
IS11-US041			C	45.55514963	-122.4901545		45.55519	-122.49010	7	weeds
IS11-US042		B		45.55496315	-122.4911175		45.55505	-122.49081	7	weeds
IS11-US043	A	B		45.55485799	-122.4921798		45.55481	-122.49212	7	
IS11-US044		B	C	45.55495886	-122.4931902		45.55486	-122.49313	10	
IS11-US045		B	C	45.55500419	-122.4942232		45.55502	-122.49415	10	
IS11-US046		B	C	45.55506494	-122.49525		45.5551	-122.49521	10	
IS11-US047	A			45.55539612	-122.4961697		45.55535	-122.49616	10	
IS11-US048	A		C	45.55567935	-122.4971355		45.55562	-122.49702	7	weeds
IS11-US049	A		C	45.55531986	-122.4881105		45.55572	-122.49810	7	
IS11-US050		B	C	45.55579519	-122.4992132		45.55592	-122.49939	10	very soft sediment
								Average	8.7	cm

Appendix B: Sample Locations and Field Notes

Targeted areas-
Composite Locations

Site ID	Proposed: Lat	Long	Date Sampled	Actual: Lat	Long	Depth (cm)	Notes
Wagoner 1	45.555766	-122.4987	7/25/2011	45.5578	-122.49878	10	Weeds everywhere!
Wagoner 2	45.555747	-122.4984	7/25/2011	45.55577	-122.49844	10	
Wagoner 3	45.555717	-122.4981	7/25/2011	45.55576	-122.49818	10	
Wagoner 4	45.555545	-122.4971	7/25/2011	45.55562	-122.49731	10	sheen & clam
Wagoner 5	45.555285	-122.4962	7/25/2011	45.5553	-122.49625	10	sheen
FairviewLake 1	45.550064	-122.4564	7/26/2011	45.55011	-122.45638	10	WEEDS!
FairviewLake 2	45.550501	-122.4563	7/26/2011	45.55006	-122.45632	10	WEEDS!
FairviewLake 3	45.550336	-122.4561	7/26/2011	45.5501	-122.45606	10	WEEDS!
FairviewLake 4	45.550099	-122.4558	7/26/2011	45.55034	-122.45623	10	WEEDS!
FairviewLake 5	45.550118	-122.4561	7/26/2011	45.55045	-122.45621	10	WEEDS!
FairviewLake 6	45.55025	-122.4564	7/26/2011	45.55027	-122.45640	10	WEEDS!
East of 205 1	45.564274	-122.5481	7/21/2011	45.56445	-122.54771	10	difficult GPS reception
East of 205 2	45.564322	-122.548	7/21/2011	45.5641	-122.54821	10	
East of 205 3	45.564254	-122.5479	7/21/2011	45.56428	-122.54810	10	sheen blob
East of 205 4	45.564193	-122.5478	7/21/2011	45.56409	-122.54807	10	
East of 205 5	45.564373	-122.5481	7/21/2011	45.56435	-122.54815	10	
East of 205 6	45.564228	-122.548	7/21/2011	45.56422	-122.54803	10	
PEN2 Levee 1	45.582109	-122.646	7/20/2011	45.58197	-122.64619	10	lots of weeds
PEN2 Levee 2	45.58212	-122.6465	7/20/2011	45.58206	-122.64637	10	
PEN2 Levee 3	45.582131	-122.6469	7/20/2011	45.5821	-122.64680	10	
PEN2 Levee 4	45.581877	-122.6472	7/20/2011	45.58203	-122.64694	10	
PEN2 Levee 5	45.581877	-122.6467	7/20/2011	45.58171	-122.64623	10	
PEN2 Levee 6	45.581857	-122.6462	7/20/2011	45.58181	-122.64631	10	

Appendix C- Table C1: Columbia Slough Sediment Triplicate QA/QC Review

Decision Area: Upper Columbia Slough

	Lower Middle CS									
	Sampling 2011		IS A Sample	IS B	IS C	Simple Mean		Standard Deviation	Relative Standard Deviation	95% UCL Factor
Pesticides	2,4'-DDD	ug/kg	**0.91**	**0.695**	**0.84**	**0.81**		0.11	13.4	1.0
Method	2,4'-DDE	ug/kg	**0.257**	**0.19**	**0.23**	**0.23**		0.04	16.0	0.3
1669	2,4'-DDT	ug/kg	**0.19**	**0.147**	**0.195**	**0.18**		0.03	14.9	0.2
	4,4'-DDD	ug/kg	**3.84**	**3.04**	**4.05**	**3.64**		0.53	14.6	4.5
	4,4'-DDE	ug/kg	**7.64**	**5.64**	**7.00**	**6.76**		1.02	15.1	8.5
	4,4'-DDT	ug/kg	**0.94**	**0.64**	**1.14**	**0.91**		0.25	27.8	1.3
	4,4'-Methoxychlor	ug/kg	0.14	0.27	0.36	0.26		0.11	44.3	0.4
	Aldrin	ug/kg	**0.39**	**0.10**	**0.17**	**0.22**		0.15	68.3	0.5
	alpha-BHC	ug/kg	**0.02**	**0.01**	**0.01**	**0.01**		0.00	29.3	0.0
	beta-BHC	ug/kg	**0.02**	**0.01**	**0.01**	**0.01**		0.00	12.4	0.0
	cis-Chlordane (alpha)	ug/kg	**2.72**	**2.36**	**2.25**	**2.44**		0.25	10.1	2.9
	cis-Heptachlor Epoxide	ug/kg	**0.08**	**0.07**	**0.10**	**0.08**		0.02	21.1	0.1
	cis-Nonachlor	ug/kg	**0.80**	**0.67**	**0.59**	**0.69**		0.11	16.0	0.9
	delta-BHC	ug/kg	**0.01**	0.00	**0.00**	**0.00**		0.00	36.6	0.0
	Dieldrin	ug/kg	**1.62**	**1.29**	**1.89**	**1.60**		0.30	18.8	2.1
	Endosulfan I (alpha)	ug/kg	**0.09**	**0.10**	**0.19**	**0.12**		0.05	42.2	0.2
	Endosulfan II (beta)	ug/kg	**0.33**	**0.23**	0.31	**0.29**		0.05	19.0	0.4
	Endosulfan Sulfate	ug/kg	**1.68**	**1.03**	**1.02**	**1.24**		0.38	30.4	1.9
	Endrin	ug/kg	0.05	0.05	0.13	0.08		0.05	59.0	0.2
	Endrin Aldehyde	ug/kg	0.13	0.32	0.22	0.22		0.10	44.9	0.4
	Endrin Ketone	ug/kg	0.12	0.28	0.19	0.20		0.08	40.4	0.3
	Heptachlor	ug/kg	0.04	**0.01**	0.03	**0.03**		0.02	59.6	0.1
	Hexachlorobenzene	ug/kg	**0.33**	**0.15**	**0.19**	**0.22**		0.10	43.1	0.4
	Hexachlorobutadiene	ug/kg	**0.06**	**0.03**	**0.04**	**0.04**		0.01	30.7	0.1
	Lindane (gamma-BHC)	ug/kg	**0.02**	**0.01**	**0.01**	**0.01**		0.00	22.2	0.0
	Mirex	ug/kg	0.04	0.06	0.05	0.05		0.01	11.6	0.1
	Oxychlordane	ug/kg	**0.05**	**0.05**	**0.07**	**0.06**		0.01	24.4	0.1
	trans-Chlordane (gamma)	ug/kg	**2.38**	**2.03**	**2.21**	**2.21**		0.18	7.9	2.5
	trans-Heptachlor Epoxide	ug/kg	0.03	0.11	0.14	0.09		0.06	59.2	0.2
	trans-Nonachlor	ug/kg	**2.10**	**1.64**	**1.66**	**1.80**		0.26	14.4	2.2
PCBs	PCB-1016 (Aroclor 1016)	ug/kg	5	5	5.1	5.03		0.1	1.1	5.1
	PCB-1221 (Aroclor 1221)	ug/kg	2.5	2.5	2.5	2.50		0.0	0.0	2.5
	PCB-1232 (Aroclor 1232)	ug/kg	3.5	3.5	3.5	3.50		0.0	0.0	3.5
	PCB-1242 (Aroclor 1242)	ug/kg	4.6	4.6	4.7	4.63		0.1	1.2	4.7
	PCB-1248 (Aroclor 1248)	ug/kg	4.4	4.4	4.5	4.43		0.1	1.3	4.5
	PCB-1254 (Aroclor 1254)	ug/kg	**14.8**	**4.7**	**8.9**	**9.47**		5.1	53.6	18.0
	PCB-1260 (Aroclor 1260)	ug/kg	5.4	5.4	5.4	5.40		0.0	0.0	5.4
	PCB Total	ug/kg	**14.8**	**4.7**	**8.9**	**9.47**		5.1	53.6	18.0
Dioxin-like	Total PCBs	ng/Kg	**40300**	**23800**	**56600**	**40233.33**		16400.1	40.8	67881.7
Congener	PCB- 77	ng/Kg	**66.8**	**54**	**74.9**	**65.23**		10.5	16.2	83.0
	PCB 81	ng/Kg	6.77	6.82	6.81	6.80		0.0	0.4	6.8
	PCB 105	ng/Kg	**1210**	**381**	**782**	**795.50**		414.6	52.1	1494.4
	PCB 114	ng/Kg	**40.2**	**19.4**	**68.4**	**42.67**		24.6	57.6	84.1
	PCB 118	ng/Kg	**2180**	**983**	**3150**	**2104.33**		1085.5	51.6	3934.3
	PCB 123	ng/Kg	**31.3**	**17.5**	**57.1**	**35.30**		20.1	56.9	69.2
	PCB 126	ng/Kg	**7.51**	**4.92**	**11.8**	**8.08**		3.5	43.0	13.9
	PCB 156 + 157	ng/Kg	**368**	**187**	**392**	**315.67**		112.1	35.5	504.6
	PCB 167	ng/Kg	**130**	**70.4**	**133**	**111.13**		35.3	31.8	170.7
	PCB 169	ng/Kg	5.3	5.33	5.33	5.32		0.0	0.3	5.3
	PCB 189	ng/Kg	63.9	64.4	64.3	64.20		0.3	0.4	64.6
General	Total Organic Carbon	mg/Kg dry	**15700**	**18400**	**18300**	**17467**		1530.8	8.8	20047.4
	Percent Moisture	%	**3.8**	**3.6**	**3.5**	**4**		0.2	4.2	3.9
	Clay	%	**16**	**11**	**10**	**12**		3.2	26.1	17.8
	Silt	%	**51**	**49**	**49**	**50**		1.2	2.3	51.6
	Sand	%	**32**	**39**	**39**	**37**		4.0	11.0	43.5
	Gravel	%	**0.4**	**0**	**0**	**0**		0.2	173.2	0.5

Bold values are detected values

Green — RSD>30% for detected values

Yellow — EPMC values

RST=100* StDv/mean

95% UCL=

mean+(2.92*StDv)/SQRT(3)

Appendix C Table C2: Columbia Slough Sediment Triplicate QA/QC Review

Decision Area: Upper Columbia Slough

	Upper Middle CS									
			IS A	IS B	IS C	Simple		Standard	Relative Standard	95% UCL
	Sampling 2011		Sample			Mean		Deviation	Deviation	Factor
Pesticides	2,4'-DDD	ug/kg	**1.36**	**1.46**	**1.13**	**1.32**		0.17	12.9	1.6
Method	2,4'-DDE	ug/kg	**0.30**	**0.33**	**0.26**	**0.30**		0.04	12.4	0.4
1669	2,4'-DDT	ug/kg	**0.25**	**0.36**	**0.14**	**0.25**		0.11	43.5	0.4
	4,4'-DDD	ug/kg	**5.13**	**6.44**	**4.34**	**5.30**		1.06	20.0	7.1
	4,4'-DDE	ug/kg	**9.07**	**11.60**	**6.84**	**9.17**		2.38	26.0	13.2
	4,4'-DDT	ug/kg	**1.01**	**1.30**	**0.62**	**0.98**		0.34	35.3	1.6
	4,4'-Methoxychlor	ug/kg	0.71	1.00	0.70	0.80		0.17	21.0	1.1
	Aldrin	ug/kg	**0.48**	**0.52**	**0.44**	**0.48**		0.04	7.8	0.5
	alpha-BHC	ug/kg	**0.02**	**0.04**	**0.04**	**0.03**		0.01	34.8	0.1
	beta-BHC	ug/kg	**0.02**	0.01	**0.03**	**0.02**		0.01	32.8	0.0
	cis-Chlordane (alpha)	ug/kg	**1.13**	**1.49**	**0.86**	**1.16**		0.32	27.2	1.7
	cis-Heptachlor Epoxide	ug/kg	**0.04**	**0.07**	**0.05**	**0.05**		0.01	27.3	0.1
	cis-Nonachlor	ug/kg	**0.39**	**0.41**	**0.29**	**0.36**		0.06	16.9	0.5
	delta-BHC	ug/kg	0.01	0.00	0.00	0.01		0.00	22.4	0.0
	Dieldrin	ug/kg	**1.00**	**1.83**	**1.15**	**1.33**		0.44	33.3	2.1
	Endosulfan I (alpha)	ug/kg	**0.09**	**0.14**	**0.09**	**0.11**		0.03	26.5	0.2
	Endosulfan II (beta)	ug/kg	**0.24**	**0.43**	**0.18**	**0.28**		0.13	45.3	0.5
	Endosulfan Sulfate	ug/kg	**2.28**	**3.52**	1.22	**2.34**		1.15	49.2	4.3
	Endrin	ug/kg	0.06	0.07	0.04	0.06		0.02	33.3	0.1
	Endrin Aldehyde	ug/kg	0.40	0.77	0.80	0.66		0.22	33.4	1.0
	Endrin Ketone	ug/kg	0.33	0.38	0.22	0.31		0.08	27.2	0.5
	Heptachlor	ug/kg	0.03	0.03	0.03	0.03		0.00	2.9	0.0
	Hexachlorobenzene	ug/kg	**0.31**	**0.33**	**0.34**	**0.33**		0.02	5.3	0.4
	Hexachlorobutadiene	ug/kg	**0.06**	**0.06**	**0.05**	**0.06**		0.00	3.5	0.1
	Lindane (gamma-BHC)	ug/kg	**0.03**	**0.04**	**0.03**	**0.03**		0.01	27.8	0.0
	Mirex	ug/kg	0.06	0.08	0.05	0.06		0.02	24.6	0.1
	Oxychlordane	ug/kg	0.03	**0.04**	**0.02**	**0.03**		0.01	34.8	0.0
	trans-Chlordane (gamma)	ug/kg	**0.99**	**1.24**	**0.74**	**0.99**		0.25	25.1	1.4
	trans-Heptachlor Epoxide	ug/kg	0.07	**0.11**	**0.11**	**0.10**		0.02	20.4	0.1
	trans-Nonachlor	ug/kg	**0.81**	**1.04**	**0.67**	**1.26**		0.19	15.0	1.6
PCBs	PCB-1016 (Aroclor 1016)	ug/kg	5	4.9	5	5.0		0.1	1.2	5.1
	PCB-1221 (Aroclor 1221)	ug/kg	2.5	2.5	2.5	2.5		0.0	0.0	2.5
	PCB-1232 (Aroclor 1232)	ug/kg	3.5	3.4	3.5	3.5		0.1	1.7	3.6
	PCB-1242 (Aroclor 1242)	ug/kg	4.6	4.6	4.6	4.6		0.0	0.0	4.6
	PCB-1248 (Aroclor 1248)	ug/kg	4.4	4.4	4.4	4.4		0.0	0.0	4.4
	PCB-1254 (Aroclor 1254)	ug/kg	**16.3**	**43**	**12.6**	**24.0**		16.6	69.2	51.9
	PCB-1260 (Aroclor 1260)	ug/kg	5.4	5.3	5.3	5.3		0.1	1.1	5.4
	PCB Total		**16.3**	**43**	**12.6**	**24.0**		16.6	69.2	51.9
Dioxin-like	PCB- 77	ng/Kg	**82**	**74**	**68**	**74.7**		7.0	9.4	86.5
Congener	PCB 81	ng/Kg	34	33	34	33.7		0.6	1.7	34.6
	PCB 105	ng/Kg	**861**	**903**	**398**	**720.7**		280.2	38.9	1193.1
	PCB 114	ng/Kg	**56**	**55**	**24**	**45.0**		18.2	40.4	75.7
	PCB 118	ng/Kg	**4020**	**2650**	**1190**	**2620.0**		1415.2	54.0	5005.9
	PCB 123	ng/Kg	**47**	**41**	24	**37.3**		11.9	32.0	57.4
	PCB 126	ng/Kg	23	23	23	23.0		0.0	0.0	23.0
	PCB 156 + 157	ng/Kg	**646**	**398**	**218**	**420.7**		214.9	51.1	783.0
	PCB 167	ng/Kg	**227**	**141**	**85**	**151.0**		71.5	47.4	271.6
	PCB 169	ng/Kg	27	26	26	26.3		0.6	2.2	27.3
	PCB 189	ng/Kg	321	317	317	318.3		2.3	0.7	322.2
	Total PCBs	ng/Kg	**67600**	**51700**	**31400**	**50233**		18144.5	36.1	80822.5
General	Total Organic Carbon	mg/Kg dry	22000	27300	26000	**25100**		2762.2	11.0	29756.8
	Percent Moisture	%	**2.5**	**4.7**	**2.1**	**3**		1.4	45.2	5.5
	Clay	%	**12**	**12.9**	**9.2**	**11**		1.9	17.0	14.6
	Silt	%	**63.5**	**57.6**	**63.7**	**62**		3.5	5.6	67.4
	Sand	%	**24.5**	**29.3**	**27.1**	**27**		2.4	8.9	31.0
	Gravel	%	**0**	**0.2**	**0**	**0**		0.1	173.2	0.3
	Bold values are detected values									
	Green	RSD>30% for detected values								
	RST=100* StDv/mean									
	95% UCL=									
	mean+(2.92*StDv)/SQRT(3)									

Appendix C Table C3: Columbia Slough Sediment Triplicate QA/QC Review

Decision Area: Upper Columbia Slough

	Upper CS									
			IS A	IS B	IS C	Simple		Standard	Relative Standard	95% UCL
	Sampling 2011		Sample			Mean		Deviation	Deviation	Factor
Pesticides	2,4'-DDD	ug/kg	**1.57**	**1.65**	**1.48**	**1.57**		0.09	5.4	1.7
Method	2,4'-DDE	ug/kg	**0.45**	**0.50**	**0.47**	**0.47**		0.02	5.1	0.5
1669	2,4'-DDT	ug/kg	**0.19**	**0.18**	**0.25**	**0.21**		0.04	18.5	0.3
	4,4'-DDD	ug/kg	**5.98**	**6.35**	**6.29**	**6.21**		0.20	3.2	6.5
	4,4'-DDE	ug/kg	**13.80**	**12.60**	**13.30**	**13.23**		0.60	4.6	14.2
	4,4'-DDT	ug/kg	**0.93**	**0.71**	**0.87**	**0.84**		0.12	14.0	1.0
	4,4'-Methoxychlor	ug/kg	1.08	2.48	2.30	1.95		0.76	39.0	3.2
	Aldrin	ug/kg	1.15	0.36	0.23	0.58		0.50	86.1	1.4
	alpha-BHC	ug/kg	**0.04**	**0.05**	**0.04**	**0.04**		0.00	9.7	0.1
	beta-BHC	ug/kg	**0.04**	**0.04**	**0.04**	**0.04**		0.00	11.2	0.0
	cis-Chlordane (alpha)	ug/kg	**1.84**	**1.67**	**1.92**	**1.81**		0.13	7.1	2.0
	cis-Heptachlor Epoxide	ug/kg	**0.06**	**0.06**	**0.07**	**0.06**		0.00	4.5	0.1
	cis-Nonachlor	ug/kg	**0.58**	**0.61**	**0.85**	**1.02**		0.15	14.7	1.3
	delta-BHC	ug/kg	**0.01**	0.01	**0.01**	**0.01**		0.00	21.4	0.0
	Dieldrin	ug/kg	**0.96**	**0.84**	**1.19**	**1.00**		0.18	17.9	1.3
	Endosulfan I (alpha)	ug/kg	**0.10**	**0.11**	**0.12**	**0.11**		0.01	10.8	0.1
	Endosulfan II (beta)	ug/kg	**0.14**	0.21	0.25	**0.20**		0.06	28.4	0.3
	Endosulfan Sulfate	ug/kg	**2.66**	**1.93**	**1.29**	**1.96**		0.69	35.0	3.1
	Endrin	ug/kg	0.06	0.08	0.10	0.08		0.02	24.6	0.1
	Endrin Aldehyde	ug/kg	0.89	0.78	0.74	0.80		0.07	9.3	0.9
	Endrin Ketone	ug/kg	0.49	0.42	0.40	0.43		0.05	11.2	0.5
	Heptachlor	ug/kg	0.05	0.06	0.06	0.06		0.00	3.9	0.1
	Hexachlorobenzene	ug/kg	**0.38**	**0.32**	**0.41**	**0.37**		0.04	11.3	0.4
	Hexachlorobutadiene	ug/kg	**0.05**	**0.06**	**0.06**	**0.06**		0.01	10.7	0.1
	Lindane (gamma-BHC)	ug/kg	**0.05**	**0.05**	**0.06**	**0.05**		0.01	10.8	0.1
	Mirex	ug/kg	0.06	0.06	0.05	0.06		0.00	4.9	0.1
	Oxychlordane	ug/kg	0.03	0.03	0.07	0.04		0.02	54.1	0.1
	trans-Chlordane (gamma)	ug/kg	**1.57**	**1.54**	**1.70**	**1.60**		0.09	5.3	1.7
	trans-Heptachlor Epoxide	ug/kg	**0.13**	**0.14**	**0.19**	**0.15**		0.04	23.2	0.2
	trans-Nonachlor	ug/kg	**1.37**	**1.33**	**1.49**	**1.40**		0.08	6.0	1.5
PCBs	PCB-1016 (Aroclor 1016)	ug/kg	5	5.1	5	5.0		0.1	1.1	5.1
	PCB-1221 (Aroclor 1221)	ug/kg	2.5	2.5	2.5	2.5		0.0	0.0	2.5
	PCB-1232 (Aroclor 1232)	ug/kg	3.5	3.5	3.5	3.5		0.0	0.0	3.5
	PCB-1242 (Aroclor 1242)	ug/kg	4.6	4.7	4.6	4.6		0.1	1.2	4.7
	PCB-1248 (Aroclor 1248)	ug/kg	4.4	4.5	4.4	4.4		0.1	1.3	4.5
	PCB-1254 (Aroclor 1254)	ug/kg	**8.4**	**6.8**	**8.3**	**7.8**		0.9	11.4	9.3
	PCB-1260 (Aroclor 1260)	ug/kg	**7.2**	**6.6**	**7.5**	**7.1**		0.5	6.5	7.9
	PCB Total		**15.6**	**13.4**	**15.8**	**14.9**		1.3	8.9	17.2
Dioxin-like	PCB- 77	ng/Kg	**114**	**97**	**92**	**101.0**		11.5	11.4	120.4
Congener	PCB 81	ng/Kg	35	36	35	35.3		0.6	1.6	36.3
	PCB 105	ng/Kg	**475**	**412**	**410**	**432.3**		37.0	8.5	494.6
	PCB 114	ng/Kg	**31**	25	24	**26.7**		3.8	14.2	33.0
	PCB 118	ng/Kg	**1130**	**1080**	**1050**	**1086.7**		40.4	3.7	1154.8
	PCB 123	ng/Kg	**25**	26	25	25.3		0.6	2.3	26.3
	PCB 126	ng/Kg	24	24	24	24.0		0.0	0.0	24.0
	PCB 156 + 157	ng/Kg	**203**	**197**	**220**	**206.7**		11.9	5.8	226.8
	PCB 167	ng/Kg	**83**	**85**	**92**	**86.7**		4.7	5.5	94.6
	PCB 169	ng/Kg	27	28	27	27.3		0.6	2.1	28.3
	PCB 189	ng/Kg	336	340	333	336.3		3.5	1.0	342.3
	Total PCBs	ng/Kg	**36500**	**33900**	**33600**	**34667**		1594.8	4.6	37355.3
General	Total Organic Carbon	mg/Kg dry	**27300**	**24400**	**27700**	**26466.7**		2050.6	7.7	29923.7
	Percent Moisture	%	**4**	**4.2**	**3.9**	**4.0**		0.1	3.5	4.3
	Clay	%	**8.8**	**8.8**	**8**	**8.5**		0.0	0.0	8.5
	Silt	%	**72.5**	**71.8**	**69.3**	**71.2**		0.5	0.7	72.0
	Sand	%	**17.6**	**18.2**	**22.4**	**19.4**		0.4	2.2	20.1
	Gravel	%	**1**	**1.1**	**0.3**	**0.8**		0.1	8.8	0.9

Bold values are detected values

Green RSD>30% for detected values

RST=100* StDv/mean

95% UCL=

mean+(2.92*StDv)/SQRT(3)

Appendix C Table C4: Columbia Slough Sediment Duplicate QA/QC Review
Fairview Lake Outlet

	Duplicate Sediment Sample		Precision acceptable when RPD <50% fo				
			FLO		FLO- QA		Precision relative percent difference
	8/18/11						
Pesticides	2,4'-DDD	ug/kg	0.75		0.73		1.9%
ug/kg	2,4'-DDE	ug/kg	0.25		0.28		-9.1%
Method	2,4'-DDT	ug/kg	0.08		0.17	u	-68.5%
1699	4,4'-DDD	ug/kg	2.74		2.78		-1.4%
	4,4'-DDE	ug/kg	6.03		6.38		-5.6%
	4,4'-DDT	ug/kg	0.31		0.53		-52.3%
	4,4'-Methoxychlor	ug/kg	0.17	u	0.36	u	-72.8%
	Aldrin	ug/kg	0.08		0.70		-157.4%
	alpha-BHC	ug/kg	0.01		0.02		-26.5%
	beta-BHC	ug/kg	0.02		0.01		17.3%
	cis-Chlordane (alpha)	ug/kg	0.41		0.38		7.2%
	cis-Heptachlor Epoxide	ug/kg	0.02	u	0.02		-18.7%
	cis-Nonachlor	ug/kg	0.28		0.27		4.0%
	delta-BHC	ug/kg	0.00	u	0.00	u	26.5%
	Dieldrin	ug/kg	0.20		0.15		25.8%
	Endosulfan I (alpha)	ug/kg	0.04	u	0.07		-56.4%
	Endosulfan II (beta)	ug/kg	0.14	u	0.17	u	-22.7%
	Endosulfan Sulfate	ug/kg	0.41		0.73		-56.1%
	Endrin	ug/kg	0.12	u	0.06	u	58.5%
	Endrin Aldehyde	ug/kg	0.12	u	0.53	u	-124.3%
	Endrin Ketone	ug/kg	0.11	u	0.37	u	-108.9%
	Heptachlor	ug/kg	0.14	u	0.02	u	146.3%
	Hexachlorobenzene	ug/kg	1.48		1.40		5.6%
	Hexachlorobutadiene	ug/kg	0.03		0.17		-137.6%
	Lindane (gamma-BHC)	ug/kg	0.02		0.03		-4.5%
	Mirex	ug/kg	0.03	u	0.10	u	-110.3%
	Oxychlordane	ug/kg	0.02	u	0.02	u	6.3%
	trans-Chlordane (gamma)	ug/kg	0.31		0.32		-3.5%
	trans-Heptachlor Epoxide	ug/kg	0.06	u	0.08		-30.3%
	trans-Nonachlor	ug/kg	0.31		0.30		2.6%
PCBs	PCB-1016 (Aroclor 1016)	ug/kg	4.9	u	5	u	-2.0%
ug/kg	PCB-1221 (Aroclor 1221)	ug/kg	2.5	u	2.5	u	0.0%
Method	PCB-1232 (Aroclor 1232)	ug/kg	3.4	u	3.5	u	-2.9%
8082	PCB-1242 (Aroclor 1242)	ug/kg	4.5	u	4.6	u	-2.2%
	PCB-1248 (Aroclor 1248)	ug/kg	4.3	u	4.4	u	-2.3%
	PCB-1254 (Aroclor 1254)	ug/kg	2.6	u	2.7	u	-3.8%
	PCB-1260 (Aroclor 1260)	ug/kg	5.3	u	5.4	u	-1.9%
Dioxin-like	Total PCBs	ug/kg	3		3		6.2%
Congener	PCB- 77	ng/Kg	10.6	EMPC	11.7		-9.9%
1668a	PCB 81	ng/Kg	7.03		4.92		35.3%
	PCB 105	ng/Kg	45.8		41.6		9.6%
	PCB 114	ng/Kg	4.89		3.43	u	35.1%
	PCB 118	ng/Kg	104		98.4		5.5%
	PCB 123	ng/Kg	5.09	u	3.57	u	35.1%
	PCB 126	ng/Kg	4.79	u	3.35	u	35.4%
	PCB 156 + 157	ng/Kg	22.6		18		22.7%
	PCB 167	ng/Kg	8.25	u	8.58		-3.9%
	PCB 169	ng/Kg	5.5	u	3.85	u	35.3%
	PCB 189	ng/Kg	66.4	u	46.5	u	35.3%
General							
ASTM D297	Percent Moisture	%	2.8		2.7		3.6%
EPA 9060 M	Mean Total Organic Carbon	mg/kg	11900		11800		0.8%
ASTM D422	Clay	%	6		6		0.0%
	Silt	%	85		87		-2.3%
	Sand	%	8.1		6.4		23.4%
	Gravel	%	0		0		0.0%
u	Under method detection limit						
EMPC	estimated maximum possible concentration						
	Precision > 50% PCBs, Pesticides						

Appendix C Table C5: Columbia Slough Tissue QA/QC Review

Decision Area: Upper Columbia Slough- Fairview Lake Outlet

	Duplicate Tissue Sample		Precision acceptable when RPD <50% for Organics				
			FLO		FLO- QA		Relative Percent
	8/18/11		Tissue		Tissue		Difference
Pesticides	Hexachlorobutadiene	ug/kg	**0.02**	J,B	**0.02**	J,B	-0.6%
ug/kg	Hexachlorobenzene	ug/kg	**1.05**	B	**1.25**	B,E	-17.4%
Method	alpha-BHC	ug/kg	**0.02**	J	**0.03**	J	-16.1%
1669	Lindane (gamma-BHC)	ug/kg	**1.66**	E	**1.97**	E	-17.1%
	beta-BHC	ug/kg	0.00	u	**0.01**	J	-80.7%
	delta-BHC	ug/kg	0.00	u	**0.00**	J	-76.6%
	Heptachlor	ug/kg	0.02	u	0.01	u	43.8%
	Aldrin	ug/kg	**0.39**		**0.40**		-3.6%
	Oxychlordane	ug/kg	0.02	I,u	**0.01**	J	13.8%
	cis-Heptachlor Epoxide	ug/kg	0.01	u	**0.01**	J	-2.1%
	trans-Heptachlor Epoxide	ug/kg	0.05	I,u	**0.05**	J	-1.7%
	trans-Chlordane (gamma)	ug/kg	**0.54**		**0.55**		-2.9%
	trans-Nonachlor	ug/kg	**0.42**		**0.45**		-7.2%
	cis-Chlordane (alpha)	ug/kg	**1.04**		**1.15**		-10.0%
	Endosulfan I (alpha)	ug/kg	0.03	I,u	**0.03**	J	-19.6%
	Dieldrin	ug/kg	**0.19**		**0.19**		3.2%
	Endrin	ug/kg	0.01	u	0.01	u	-24.3%
	cis-Nonachlor	ug/kg	**0.45**		**0.46**		-2.2%
	Endosulfan II (beta)	ug/kg	0.07	I,u	0.06	I,u	26.5%
	2,4'-DDD	ug/kg	**0.99**		**1.10**		-10.2%
	2,4'-DDE	ug/kg	**0.61**		**0.69**		-11.1%
	2,4'-DDT	ug/kg	0.04	u	0.02	u	52.7%
	4,4'-DDD	ug/kg	**4.18**	E	**4.64**	E	-10.4%
	4,4'-DDE	ug/kg	**22.80**	E	**24.70**	E	-8.0%
	4,4'-DDT	ug/kg	0.04	u	0.03	u	14.3%
	Endosulfan Sulfate	ug/kg	**1.57**		**1.64**		-4.4%
	4,4'-Methoxychlor	ug/kg	0.09	u	0.15	u	-50.1%
	Mirex	ug/kg	**0.02**	J	0.03	I,u	-40.8%
	Endrin Aldehyde	ug/kg	0.02	u	0.01	u	65.9%
	Endrin Ketone	ug/kg	0.04	u	0.03	u	30.8%
	% Lipid	%	**3.2**		**3.5**		-9.0%
Congener	Total Congener PCBs	ug/kg	**8.3**		**8.8**		-5.8%
Dioxin-like	PCB- 77	ng/kg	**14.1**		**12.7**		10.4%
Congener	PCB 81	ng/kg	13.7	u	14	u	-2.2%
1668a	PCB 105	ng/kg	**117**		**121**		-3.4%
	PCB 114	ng/kg	16.9	u	17.2	u	-1.8%
	PCB 118	ng/kg	**302**		**322**		-6.4%
	PCB 123	ng/kg	20.7	u	21.1	u	-1.9%
	PCB 126	ng/kg	13.7	u	14	u	-2.2%
	PCB 156 +PCB157 Co-Elution	ng/kg	**53.4**		**56.1**		-4.9%
	PCB 167	ng/kg	**25.1**		**28.1**		-11.3%
	PCB 169	ng/kg	15.7	u	16	u	-1.9%
	PCB 189	ng/kg	18.3	u	18.7	u	-2.2%
	Percent Lipids	%	1.0		1.1		-8.7%
bolded	detected compound						
u	Under method detection limit						
j	Estimate below Limit of Quantitation(LOQ)						
	Precision > 50%						

Appendix C Table C6: Columbia Slough Bioaccumulation- *Lumbriculus* Tissue Concentrations

	Columbia SloughTissue Concentrations		Lower Middle Slough near PEN2 Levee		Upper Middle Slough east of I-205		Upper Slough Wagner Mining		Upper Slough Fairview Lake		Upper Slough Fairview Lake-Duplicate		Time Zero		Control	
Pesticides	Hexachlorobutadiene	ug/kg	0.02	J,B	0.02	J,B	0.02	J,B	0.02	J,B	0.02	J,B	0.02	J,B	0.01	J,B
ug/kg	Hexachlorobenzene	ug/kg	0.10	B	0.12	B	0.18	B	1.05	B	1.25	B,E	0.32	B	0.06	B
Method	alpha-BHC	ug/kg	0.02	J	0.02	J	0.02	J	0.02	J	0.03	J	0.05	J	0.01	J
1669	Lindane (gamma-BHC)	ug/kg	1.37	E	1.37	E	1.55	E	1.66	E	1.97	E	7.84	E	1.11	
	beta-BHC	ug/kg	0.00	u	0.00	u	0.01	J	0.00	u	0.01	J	0.00	u	0.00	u
	delta-BHC	ug/kg	0.00	u	0.00	u	0.00	J	0.00	u	0.00	J	0.00	u	0.00	u
	Heptachlor	ug/kg	0.01	u	0.02	u	0.01	u	0.02	u	0.01	u	0.01	u	0.04	u
	Aldrin	ug/kg	0.34		0.63		0.85		0.39		0.40		0.00	J	0.01	J
	Oxychlordane	ug/kg	0.02	I,u	0.04	J	0.03	J	0.02	I,u	0.01	J	0.04	J	0.01	u
	cis-Heptachlor Epoxide	ug/kg	0.04	J	0.04	J	0.05	J	0.01	u	0.01	J	0.03	J	0.01	u
	trans-Heptachlor Epoxide	ug/kg	0.05	u	0.04	u	0.05	J	0.05	I,u	0.05	J	0.07	J	0.03	u
	trans-Chlordane (gamma)	ug/kg	0.77		0.95		1.07		0.54		0.55		0.16		0.02	J
	trans-Nonachlor	ug/kg	0.57		0.86		1.04		0.42		0.45		0.41		0.01	J
	cis-Chlordane (alpha)	ug/kg	1.16		1.55	E	1.77	E	1.04		1.15		0.37		0.03	J
	Endosulfan I (alpha)	ug/kg	0.02	I,u	0.06	J	0.05	J	0.03	I,u	0.03	J	0.02	I, u	0.01	I,u
	Dieldrin	ug/kg	1.26	E	1.36	E	1.49	E	0.19		0.19		0.26		0.02	J
	Endrin	ug/kg	0.01	u	0.01	u	0.02	u	0.01	u	0.01	u	0.01		0.01	u
	cis-Nonachlor	ug/kg	0.26		0.46		0.65		0.45		0.46		0.20		0.01	u
	Endosulfan II (beta)	ug/kg	0.14	J	0.25	I,u	0.24		0.07	I,u	0.06	I,u	0.05		0.02	u
	2,4'-DDD	ug/kg	0.50		1.37	E	1.22		0.99		1.10		0.07	J	0.01	J
	2,4'-DDE	ug/kg	0.18	J	0.43		0.45		0.61		0.69		0.04	J	0.01	u
	2,4'-DDT	ug/kg	0.02	u	0.03	J	0.04	u	0.04	u	0.02	u	0.02	u	0.02	u
	4,4'-DDD	ug/kg	2.35	E	7.29	E	5.55	E	4.18	E	4.64	E	0.92		0.04	J
	4,4'-DDE	ug/kg	7.30	E	21.80	E	17.40	E	22.80	E	24.70	E	8.67	E	0.56	
	4,4'-DDT	ug/kg	0.04	u	0.06	u	0.09	u	0.04	u	0.03	u	0.04	J	0.04	u
	Endosulfan Sulfate	ug/kg	0.67		2.35		2.04		1.57		1.64		0.54		0.02	u
	4,4'-Methoxychlor	ug/kg	0.08	u	0.32	u	0.36	u	0.09	u	0.15	u	0.11	u	0.08	u
	Mirex	ug/kg	0.04	J	0.03	J	0.02	J	0.02	J	0.03	I,u	0.02	J	0.04	I,u
	Endrin Aldehyde	ug/kg	0.02	u	0.03	u	0.04	u	0.02	u	0.01	u	0.02	u	0.02	u
	Endrin Ketone	ug/kg	0.02	u	0.23	EMPC	0.04	u	0.04	u	0.03	u	0.01	u	0.01	u
	% Lipid	%	3.5		3.3		4		3.2		3.5		6.6		3.3	
Congener	Total Congener PCBs	ug/kg	23		15		42		8.3		8.8		8.8		0.9	
Dioxin-like	PCB- 77	ng/kg	45.6		39.2		59.9		14.1		12.7		20.9		10.5	u
Congener	PCB 81	ng/kg	13.4	u	13.6	u	14	u	13.7	u	14	u	13.6	u	14.1	u
1668a	PCB 105	ng/kg	434		236		328		117		121		222		17.8	
	PCB 114	ng/kg	29.1		16.7	u	22.4		16.9	u	17.2	u	16.7	u	17.4	u
	PCB 118	ng/kg	1320		681		1290		302		322		677		54.1	
	PCB 123	ng/kg	18.4		20.5	u	26.1		20.7	u	21.1	u	20.5	u	21.3	u
	PCB 126	ng/kg	13.4	u	13.6	u	14	u	13.7	u	14	u	13.6	u	14.1	u
	PCB 156 +PCB157 Co-Elution	ng/kg	214		113		324		53.4		56.1		68.9		33	u
	PCB 167	ng/kg	90.7		56.2		192		25.1		28.1		29.1		13.8	u
	PCB 169	ng/kg	15.4	u	15.6	u	16	u	15.7	u	16	u	15.6	u	16.2	u
	PCB 189	ng/kg	18	u	18.2	u	40.9		18.3	u	18.7	u	18.2	u	18.9	u
	Percent Lipids	%	1.5		1.0		1.7		1.0		1.1		2.15		0.93	

U Under method detection limit
J Estimate below Limit of Quantitation(LOQ)
B Detected in Blank
I chemical interference
EMPC estimated maximum probable concentration
E amount detected above the high calibration limit

Appendix D Table D1: Columbia Slough Sediment Concentrations Targeted Sites

	Columbia Slough Sediment Concentrations		Risk Based Value	Lower Middle Slough near PEN2 Levee		Upper Middle Slough east of I-205		Upper Slough Wagner Mining		Upper Slough Fairview Lake		Upper Slough Fairview Lake-Duplicate	
Pesticides	2,4'-DDD	ug/kg		**0.73**		**4.82**		**2.69**	B	**0.75**		**0.73**	
ug/kg	2,4'-DDE	ug/kg		**0.19**		**1.02**	B,E	**0.77**		**0.25**		**0.28**	
Method	2,4'-DDT	ug/kg		**0.12**		**1.25**	E	**0.40**		**0.08**		0.17	u
1699	4,4'-DDD	ug/kg	1	**3.11**		**21.10**	B,E	**11.20**	E	**2.74**		**2.78**	
	4,4'-DDE	ug/kg	1	**5.92**		**41.80**	B	**23.00**	B,E	**6.03**		**6.38**	
	4,4'-DDT	ug/kg	1	**0.60**		**5.67**	E	**2.04**	B	**0.31**		**0.53**	
	4,4'-Methoxychlor	ug/kg		**0.61**	EMPC	5.31	u	3.89	u,I	0.17	u	0.36	u
	Aldrin	ug/kg		**0.23**		**0.68**		**0.65**	*	**0.08**		**0.70**	
	alpha-BHC	ug/kg	1	**0.02**	J	**0.03**		**0.04**		**0.01**		**0.02**	
	beta-BHC	ug/kg	1	**0.02**	J,B	**0.03**		**0.05**	B	**0.02**		**0.01**	
	cis-Chlordane (alpha)	ug/kg		**1.44**	B	**4.81**		**3.63**		**0.41**		**0.38**	
	cis-Heptachlor Epoxide	ug/kg		**0.06**		**0.19**		**0.14**		0.02	u	**0.02**	
	cis-Nonachlor	ug/kg		**0.36**		1.59		**1.77**		**0.28**		**0.27**	
	delta-BHC	ug/kg	1	0.01	u	0.01	u	**0.01**	J	0.00	u	0.00	u
	Dieldrin	ug/kg	1	**1.30**		**3.57**	I	**2.59**	B	**0.20**		**0.15**	
	Endosulfan I (alpha)	ug/kg		**0.10**		**0.25**		**0.21**		0.04	u	**0.07**	
	Endosulfan II (beta)	ug/kg		**0.01**		0.70	B	**0.61**		0.14	u	0.17	u
	Endosulfan Sulfate	ug/kg		**0.75**		**5.64**	I	**3.90**		**0.41**		**0.73**	
	Endrin	ug/kg		0.14	u	0.20	u	0.18	u,I	0.12	u	0.06	u
	Endrin Aldehyde	ug/kg	3	0.17	u	0.55	u	0.40	u,I	0.12	u	0.53	u
	Endrin Ketone	ug/kg		**0.16**	EMPC	0.47	u	0.34	u,I	0.11	u	0.37	u
	Heptachlor	ug/kg	1	**0.01**		**0.02**	EMPC	0.10	u	0.14	u	0.02	u
	Hexachlorobenzene	ug/kg		**0.20**	J,B	**0.48**	J	**0.48**	B	**1.48**		**1.40**	
	Hexachlorobutadiene	ug/kg		**0.12**	B	**0.04**	EMPC,	**0.05**	EMPC	**0.03**		**0.17**	
	Lindane (gamma-BHC)	ug/kg	0.9	**0.02**	J	**0.05**	J,B	**0.06**		**0.02**		**0.03**	
	Mirex	ug/kg		0.07	u	**0.14**	I	0.08	u	0.03	u	0.10	u
	Oxychlordane	ug/kg		**0.03**	B	**0.06**		**0.07**	J	0.02	u	0.02	u
	trans-Chlordane (gamma)	ug/kg		**1.23**		**3.94**		**2.75**		**0.31**		**0.32**	
	trans-Heptachlor Epoxide	ug/kg		0.08	u	0.05	u	0.07	u	0.06	u	**0.08**	
	trans-Nonachlor	ug/kg		**1.01**	B	**3.74**		**2.92**		**0.31**		**0.30**	
PCBs	PCB-1016 (Aroclor 1016)	ug/kg		5	u	5.1	u	5.1	u	4.9	u	5	u
ug/kg	PCB-1221 (Aroclor 1221)	ug/kg		2.5	u	2.5	u	2.5	u	2.5	u	2.5	u
Method	PCB-1232 (Aroclor 1232)	ug/kg		3.5	u	3.5	u	3.6	u	3.4	u	3.5	u
8082	PCB-1242 (Aroclor 1242)	ug/kg		4.6	u	4.7	u	4.7	u	4.5	u	4.6	u
	PCB-1248 (Aroclor 1248)	ug/kg	10	4.4	u	4.5	u	4.5	u	4.3	u	4.4	u
	PCB-1254 (Aroclor 1254)	ug/kg	10	**7.7**		**15.1**		**28.7**		2.6	u	2.7	u
	PCB-1260 (Aroclor 1260)	ug/kg	10	5.4	u	5.4	u	5.5	u	5.3	u	5.4	u
	Total Aroclors	ug/kg	10	**7.7**		**15.1**		**28.7**		n/a		n/a	
Dioxin-like	Total PCBs	ug/kg		**39**		**39**		**114**		**3**		**3**	
Congener	PCB- 77	ng/Kg	**52**	**74.7**		**129**		**156**		**10.6**	EMPC	**11.7**	
1668a	PCB 81	ng/Kg	**17**	7.06	u	6.95	u	6.93	u	7.03	u	4.92	u
	PCB 105	ng/Kg	**170**	**747**		**755**		**770**		**45.8**		**41.6**	
	PCB 114	ng/Kg	**170**	**41.5**		**32.3**	EMPC	**48.4**		**4.89**		3.43	u
	PCB 118	ng/Kg	**120**	**1870**		**1660**		**2670**		**104**		**98.4**	
	PCB 123	ng/Kg	**210**	**39.9**		**32.9**	EMPC	**31.5**		5.09	u	3.57	u
	PCB 126	ng/Kg	**0.05**	**8.55**	EMPC	**15.8**		**21.9**		4.79	u	3.35	u
	PCB 156 + 157	ng/Kg	**210**	**374**		**324**		**1010**		**22.6**		**18**	
	PCB 167	ng/Kg	**210**	**135**		**125**		**528**		8.25	u	**8.58**	
	PCB 169	ng/Kg	**0.21**	5.53		**13.2**		**30.3**	EMPC	5.5	u	3.85	u
	PCB 189	ng/Kg	**1200**	66.8		65.7		**178**		66.4	u	46.5	u
General													
ASTM D2974-8	Percent Moisture	%		**3.3**		**4.6**		**5.2**		**2.8**		**2.7**	
EPA 9060 Mod	Mean Total Organic Carbon	mg/kg		**21600**		**37100**		**33500**		**11900**		**11800**	
ASTM D422	Clay	%		**12**		**16**		**20**		**6**		**6**	
	Silt	%		**55**		**64**		**56**		**85**		**87**	
	Sand	%		**33**		**21**		**24**		**8.1**		**6.4**	
	Gravel	%		**0.1**		**0**		**0**		**0**		**0**	

U Under method detection limit
J Estimate below Limit of Quantitation(LOQ)
B Detected in Blank
I chemical interference
EMPC estimated maximum probable concentration
E amount detected above the high calibration limit

Appendix D Table D2: Columbia Slough Sediment Concentrations Incremental Sample Mean

	Columbia Slough IS Means		Risk based Value	Lower Middle Slough IS Mean		Upper Middle Slough IS Mean		Upper Slough IS Mean	
Pesticides	2,4'-DDD	ug/kg		0.81		1.32		1.57	
ug/kg	2,4'-DDE	ug/kg		0.23		0.30		0.47	
Method	2,4'-DDT	ug/kg		0.18		0.25		0.21	
1699	4,4'-DDD	ug/kg	1	3.64	B	5.30	B	6.21	B
	4,4'-DDE	ug/kg	1	6.76	B	9.17	B	13.23	B
	4,4'-DDT	ug/kg	1	0.91	B	0.98		0.84	
	4,4'-Methoxychlor	ug/kg		0.26	I	0.80	I	1.95	u
	Aldrin	ug/kg		0.22	I	0.48		0.58	u
	alpha-BHC	ug/kg	1	0.01	J,B	0.03	J,B	0.04	J
	beta-BHC	ug/kg	1	0.01	J	0.02	J	0.04	J
	cis-Chlordane (alpha)	ug/kg		2.44		1.16		1.81	
	cis-Heptachlor Epoxide	ug/kg		0.08	J	0.05	J	0.06	
	cis-Nonachlor	ug/kg		0.69		0.36		1.02	
	delta-BHC	ug/kg	1	0.00	J	0.01		0.01	
	Dieldrin	ug/kg	1	1.60	B	1.33	B	1.00	B
	Endosulfan I (alpha)	ug/kg		0.12	J	0.11		0.11	
	Endosulfan II (beta)	ug/kg		0.29	J	0.28	J	0.20	J
	Endosulfan Sulfate	ug/kg		1.24		2.34		1.96	
	Endrin	ug/kg		0.08		0.06		0.08	u
	Endrin Aldehyde	ug/kg	3	0.22	I	0.66	I	0.80	u
	Endrin Ketone	ug/kg		0.20	I	0.31	I	0.43	u
	Heptachlor	ug/kg	1	0.03		0.03		0.06	u
	Hexachlorobenzene	ug/kg		0.22	J	0.33	J	0.37	
	Hexachlorobutadiene	ug/kg		0.04	B	0.06	B	0.06	
	Lindane (gamma-BHC)	ug/kg	0.9	0.01		0.03	J,B	0.05	J
	Mirex	ug/kg		0.05		0.06		0.06	u
	Oxychlordane	ug/kg		0.06		0.03	J	0.04	u
	trans-Chlordane (gamma)	ug/kg		2.21	B	0.99	J	1.60	
	trans-Heptachlor Epoxide	ug/kg		0.09	J	0.10	J	0.15	
	trans-Nonachlor	ug/kg		1.80		1.26		1.40	
PCBs	Aroclor-1016 (PCB-1016)	µg/Kg dry		5.03	u	5.0	u	5.0	u
ug/kg	Aroclor-1242 (PCB-1242)	µg/Kg dry		2.50	u	2.5	u	2.5	u
Method	Aroclor 1221	µg/Kg dry		3.50	u	3.5	u	3.5	u
8082	Aroclor 1232	µg/Kg dry		4.63	u	4.6	u	4.6	u
	Aroclor 1248	µg/Kg dry		4.43	u	4.4	u	4.4	u
	Aroclor 1254	µg/Kg dry	10	9.47		24.0		7.8	
	Aroclor 1260	µg/Kg dry	10	5.40	u	5.3		7.1	
	Total Aroclors	ug/kg	10	9.47		24.0		14.9	
Congener	Total Congener PCBs	ug/kg		40.2		50.2		34.0	
Dioxin-like	PCB- 77	ng/kg	52	65		75		101	
Congener	PCB 81	ng/kg	17	7	u	34	u	35	u
1668a	PCB 105	ng/kg	170	791		721		432	
	PCB 114	ng/kg	170	43		45		27	
	PCB 118	ng/kg	120	2104		2620		1087	
	PCB 123	ng/kg	210	35		37		25	u
	PCB 126	ng/kg	0.05	8		23	u	24	u
	PCB 156 +PCB157 Co-Elution	ng/kg	210	316		421		207	
	PCB 167	ng/kg	210	111		151		87	
	PCB 169	ng/kg	0.21	5	u	26	u	27	u
	PCB 189	ng/kg	1200	64	u	318	u	336	u
ASTM D2974-87	Total Organic Carbon	mg/Kg dry		17467		25100		26467	
EPA 9060 Modifie	Percent Solids	%							
ASTM D422	Clay	%		12		11		9	
	Silt	%		50		62		71	
	Sand	%		37		27		19	
	Gravel	%		0		0		1	
U	Under method detection limit								
J	Estimate below Limit of Quantitation(LOQ)								
B	Detected in Blank								
I	chemical interference								
Risk based Values*									
White Box	*Lower Columbia Slough Sediment Screening Levels Appendix I*								
Blue Box	Table A-1b *Guidance for Assessing Bioaccumlative Chmeicals of Concern in Sediment*								
blank	no risk based value available								
Red Box	Over Risk based Values								

State of Oregon
Department of Environmental Quality Memorandum

To: Paul Seidel **Date:** 1/18/12

From: Sarah Miller

Section: NWR Cleanup

Subject: Columbia Slough Sediment Quality Assurance Review

The Columbia Slough Sediment chemistry data analyzed by Pace Labs was reviewed by Sara Krepps, Organic Chemist at the DEQ Laboratory and Environmental Assessment Division. Summarized below are items that may affect quality assurance of the data. The original review can be found at the end of this memo.

Regular Analytical data

Sample collection and received dates are inconsistent. This is due to incremental samples being collected over multiple days. For PCB aroclors, there were low matrix spike for Aroclor 1016 and 1260 recovery rates suggesting interferences present in the specific samples may be suppressing recovery. One TOC sample, UMCS-C, was reanalyzed. The reanalyzed value is likely to be correct, but was reported as the original value in the report. There were no adverse Grain size analysis comments.

High Resolution Gas Chromatography Mass Spectrometry (HRGSMS) data

Calibration with HRGCMS is somewhat different than the standard GCMS calibration. For analytes for which a labeled analog is available, the GC/HRMS is multi-point calibrated and the concentration is determined using the isotope dilution technique. Analytes for which a labeled analog is not available are determined using the internal standard technique. The labeled compounds are used as internal standards, affording recovery correction.

The Ongoing Precision and Recovery (OPR) criteria for several pesticides did not match the method criteria, though all results fall well within the method range. All blank contamination for pesticides were labeled as “B”. Blank contamination is considered negligible if the sample result of that analyte is greater than ten times the blank level. Only results in which the blank contamination adversely affects the data quality are noted below. No conclusions were drawn regarding the EMPC data.

The laboratory indicated that the inconsistencies in the PCB Congener matrix spike recoveries are likely due to a non-homogenous sample for one triplicate sample. Due to the nature of the multi-incremental sampling technique and the fact that the sample chosen for the matrix spike should have been further homogenized at the subcontract laboratory, sample non-homogeneity is not likely to be the cause. The grain size analysis for this sample indicated it was reasonably homogeneous. No conclusions were drawn regarding the EMPC data.

The Standard Reference Material(SRM) sample found PCB-87, 195 & 201 outside the SAP matrix spike limits.

Columbia Slough Data Validation **Sara Krepps, Organic Chemist DEQ LEAD**

Pace Analytical – Seattle, WA

Quality Systems

All samples have the collection date/time the same as the lab receipt date/time. This may be due to the fact that the samples are sediments and sampled over multiple days. Specifics are noted for each report. There seem to be a large number of discrepancies regarding custody and sample collection date and times – many of which are also noted by laboratories which Pace – Seattle subcontracted to.

Samples UMCS – A,B,C
Pace Analytical Report 258374

- Collection date/time of 07/05/2011 @1600 are the same as the lab receipt date/time – COC indicates samples were collected 06/20/2011-06/27/2011. The date that these samples were relinquished by DEQ is 06/23/2011, the received date at Pace Analytical is 06/25/2011.

Samples UCS – A,B,C
Pace Analytical Report 258621

- Collection date/time of 07/22/2011 @ 1800 are the same as the lab receipt date/time. No sampling date/time given on COC. The date that these samples were relinquished by DEQ is 07/25/2011, the received date at Pace Analytical is 07/22/2011.

Samples US-FLO, FLO QA
Pace Analytical Report 258952

- Collection date/time of 08/18/11 18:00 are the same as the lab receipt date/time. The COC states the samples were collected 07/25/11 at 12:00 and 13:00. The date that these samples were relinquished by DEQ is 07/27/2011, the received date at Pace Analytical is 08/18/2011 @ 16:00.

Samples LMCS-A, LCMS-B, LCMS-C, SRM, Rinsate Blank
Pace Analytical Report 258953

- Collection date/time of 08/16/2011 @ 1800 are the same as the lab receipt date/time – COC indicates samples were collected 08/16/2011 @ 18:00 and relinquished 08/22/2011. The received date at the lab is 08/16/2011 18:00.

Samples US-WgnrM
Pace Analytical Report 258971

- Collection date/time of 08/18/2011 @ 1800 are the same as the lab receipt date/time. The COC states the samples were collected 07/25/2011. The date that these samples were relinquished by DEQ is 07/27/2011, the received date at Pace Analytical is 07/28/11 @ 0948.

Samples LMCS-Pen-2
Pace Analytical Report 258982

- Collection date/time of 08/18/2011 @ 1800 are the same as the lab receipt date/time. The COC states the samples were collected 07/20/2011. The date that these samples were relinquished by DEQ is 07/21/2011, the received date at Pace Analytical is 07/22/11 @ 0835.

EPA 8082 PCB Aroclor Analysis

The laboratory's control charted acceptance limits fall outside of the range specified in the SAP of 30-150% (TCMX 29-128%, DCBP 23-129%). Each sample has been evaluated against the SAP criteria – failures, if any, are noted below.

Samples UMCS – A,B,C
Pace Analytical Report 258374

- Method blank run 07/08/2011, samples run on 07/08/2011 with a re-run for Aroclor 1254 on 07/19/2011. Method blank not re-run, no qualifier on MB to indicate what problem was. It is assumed there was a high CCV, but cannot be determined.

Samples UCS – A,B,C
Pace Analytical Report 258621

- Method blank run 07/29/2011, samples run on 07/29/2011 with a re-run for Aroclor 1254 on 08/12/2011. Method blank not re-run, no qualifier on MB to indicate what problem was. It is assumed there was a high CCV, but cannot be determined.

Batch QC Failures

Source Sample	Analyte	Matrix Spike Recovery (%)	Matrix Spike Duplicate Recovery (%)	SAP Limits	RPD Limit	Comments
UCS-A	Ar 1016	50	44	± 50%	±50% >5x MRL	Low Recovery. Matrix interferences present in this sample may be suppressing recovery of Aroclors.
	Ar 1260	49	46	± 50%	±50% >5x MRL	

Samples US-FLO, FLO QA
Pace Analytical Report 258952

Batch QC Failures

Source Sample	Analyte	Matrix Spike Recovery (%)	Matrix Spike Duplicate Recovery (%)	SAP Limits	RPD Limit	Comments
FLO-QA	Ar 1016	42	46	± 50%	±50% >5x MRL	Low Recovery. Matrix interferences present in this sample may be suppressing recovery of Aroclors. RPD's outside lab defined limits but within SAP limits
	Ar 1260	33	35	± 50%	±50% >5x MRL	
	TCMX	35	27	Sample: 30-150% Lab: 29-128%	NA	
	DCBP	38	29	Sample: 30-150% Lab: 23-129%	NA	

Samples LMCS-A, LCMS-B, LCMS-C, SRM, Rinsate Blank
Pace Analytical Report 258953
Samples US-WgnrM
Pace Analytical Report 258971
Samples LMCS-Pen-2
Pace Analytical Report 258982

- 258953: Method blank for solid samples run 08/29/2011, samples run on 08/29/2011 & 08/30/11 with a re-run for Aroclor 1254 on 08/30/2011 and 09/02/2011. Method blank not re-run, no qualifier on MB to indicate what problem was. It is assumed there was a high CCV as only the detections have been re-analyzed, but cannot be determined.
- 258971: Method blank for solid samples run 08/30/2011, samples run on 08/30/2011 with a re-run for Aroclor 1254 on 09/02/2011. Method blank not re-run, no qualifier on MB to indicate what problem was. It is assumed there was a high CCV as only the detections have been re-analyzed, but cannot be determined.
- 258982: Method blank for solid samples run 08/29/2011, samples run on 08/30/2011 with a re-run for Aroclor 1254 on 09/02/2011. Method blank not re-run, no qualifier on MB to indicate what problem was. It is assumed there was a high CCV as only the detections have been re-analyzed, but cannot be determined.

Surrogate Failures -Solids

Sample	Surrogate	Recovery (%)	Limits (%)	Comments
LMCS-C	TCMX	17	30-150	Low Recovery. Matrix interferences present in this sample may be suppressing recovery of pesticides.
	DCBP	19	30-150	

Batch QC Failures – Solids

Source Sample	Analyte	Matrix Spike Recovery (%)	Matrix Spike Duplicate Recovery (%)	SAP Limits	RPD Limit	Comments
LMCS-C	Ar 1016	42	33	± 50%	±50% >5x MRL	Low Recovery. Matrix interferences present in this sample may be suppressing recovery of Aroclors.
	Ar 1260	46	35	± 50%	±50% >5x MRL	
	TCMX	38 (OK)	29	30-150%	NA	
	DCBP	35 (OK)	27	30-150%	NA	

- The laboratory noted for the water sample there was insufficient sample to perform a matrix spike/matrix spike duplicate. However, they neglected to add a Laboratory Control Sample Duplicate so there is no precision data for the water batch.

EPA 9060M Total Organic Carbon Analysis

"M" denotes a modified method. Without the laboratory SOP, it is unclear what modifications have been made.

Samples UMCS – A,B,C
Pace Analytical Report 258374

- UMCS-C reanalyzed due to the replicate relative percent difference at 44.5% (limit 40%). The laboratory chose to report the original result of 26000 rather than the re-run result of 22085. Due to the large variation in the original analyses, the re-analysis is more likely to be the correct value.

Samples UCS – A,B,C
Pace Analytical Report 258621

- No issues found

Samples US-FLO, FLO QA
Pace Analytical Report 258952
Samples US-WgnrM
Pace Analytical Report 258971
Samples LMCS-Pen-2
Pace Analytical Report 258982

Batch QC Failures

Source Sample	Analyte	Matrix Spike Recovery (%)	Matrix Spike Duplicate Recovery (%)	SAP Limits	RPD Limit	Comments
unknown	TOC	136	97	± 30%	±35% >5x MRL	High Recovery of Matrix Spike. As the source sample was not a DEQ sample, no conclusions may be drawn as to potential matrix interferences.

Samples LMCS-A, LCMS-B, LCMS-C, SRM, Rinsate Blank
Pace Analytical Report 258953

- No issues found

Analytical Resources Inc. – Tukwila, WA

ASTM D422 Grain Size

Some samples were noted as being received outside the acceptable temperature range (0-6°C). However, there is no thermal preservation requirement for grain size and sample results will not be adversely affected under the conditions in which these were transported..

Analytical Resources Inc. Report TO35
Samples UMCS – A,B,C

- No issues found

Samples UCS – A,B,C
Analytical Resources report TF79

- No issues found

Samples US-FLO, FLO QA
Analytical Resources Inc. Report TJ97

- No issues found

Samples LMCS-A, LCMS-B, LCMS-C, SRM, Rinsate Blank
Analytical Resources Inc. Report TK00

- No issues found

Samples US-WgnrM
Analytical Resources Inc. Report TJ99

- No issues found

Samples LMCS-Pen-2
Analytical Resources Inc. Report TJ98

- No issues found.

High Resolution Gas Chromatography Mass Spectrometry (HRGSMS) data

Calibration with HRGCMS is somewhat different than the standard GCMS calibration. For analytes for which a labeled analog (i.e. $^{13}C_{12}$-2-MoCB) is available, the GC/HRMS is multi-point calibrated and the concentration is determined using the isotope dilution technique. Analytes for which a labeled analog is not available are determined using the internal standard technique. The labeled compounds are used as internal standards, affording recovery correction for all pesticides.

Labeled Analytes: These function mathematically in the same manner as an internal standard to the compound that they are associated with and compensate for matrix interferences. As the internal standard is adjusting the analyte result, so does the labeled analog. Labeled analytes are believed to function as a more accurate compensation for interferences than a traditional internal standard.

Regarding acceptance criteria the methods state in Section 9.3.3 "The recovery of each labeled compound must be within the limits in [the associated] Table. If the recovery of any compound falls outside of these limits, method performance is unacceptable for that compound in that sample. Additional cleanup procedures must then be employed to attempt to bring the recovery within the normal range. If the recovery cannot be brought within the normal range after all cleanup procedures have been employed, water samples are diluted and smaller amounts of soils, sludges, sediments, and other matrices are analyzed per Section 18.

> If the Continuing Calibration Verification (CCV, VER) passes, DEQ-LEAD only estimates labeled analyte failures which are < ½ of the Lower Control Limit for that analyte (i.e. 15-150% acceptance criteria would have results flagged as estimated where the labeled analyte has a recovery less than 7.5%). At levels below

½ the Lower Control Limit, there is enough uncertainty to warrant using more caution with the results

EMPC: Estimated Maximum Possible Concentration. Each analyte reported is evaluated for a number of parameters to determine if what is detected on the instrument is the compound of interest. In HRGCMS work, the retention time, exact masses and a ratio of ion fragments are the parameters used to determine positive identification. EMPC results are used to report results in which the ion-abundance ratio is outside acceptance limits. It is not uncommon for ion ratios to be skewed at low levels or due to matrix interferences.

Vista Analytical Laboratory - El Dorado Hills, CA

EPA 1699 Pesticide Analysis

The Ongoing Precision and Recovery (OPR) criteria for $^{13}C_{10}$*trans*-Chlordane of 15-149% does not match the method criteria of 15-144%, though all results fall well within the method range. The OPR criteria for 4.4'-DDD of 50-120% does not match the method criteria of 42-120%, though all results fall well within the method range.

Vista Analytical Laboratory qualifies all blank contamination as "B". Blank contamination is considered negligible if the sample result of that analyte is greater than ten times the blank level (i.e. blank at 1, sample does not need to be estimated if result >10). Only results in which the blank contamination adversely affects the data quality are noted below.

No conclusions are able to be drawn regarding the EMPC data without the raw instrument data.

Samples UCS – A,B,C
Vista Analytical Laboratory Report 33295

Cover Letter indicates MS/MSD reported with project number 33256. This report was not included in the data reviewed. No conclusions have been drawn regarding matrix interferences for this sample set.

Labeled Analog Failures

Sample	Labeled Analog	Recovery (%)	Limits (%)	Comments
Method Blank	$^{13}C_4$-Hexachlorobutadiene	19.5	25-150	This compound does not have any criteria in the reference method. The acceptance limits appear to be set by the laboratory. Result does not need to be estimated.
Ongoing Precision & Recovery	$^{13}C_4$-Hexachlorobutadiene	6	25-150	This compound does not have any criteria in the reference method. The acceptance limits appear to be set by the laboratory. DEQ uses a default OPR limit of 5-120% for compounds not given in the reference method. Result does not need to be estimated.
UCS-A	$^{13}C_{12}$-Aldrin	0	5-126	Aldrin is estimated

	$^{13}C_{12}$-4,4'-DDE	20.7	26-169	4,4'-DDE is not estimated
	$^{13}C_{12}$-4,4'-DDT	12.1	13-200	4,4'-DDT is not estimated
UCS-B	$^{13}C_{12}$-Aldrin	4.77	5-126	Aldrin is estimated
	$^{13}C_{12}$-4,4'-DDE	22.3	26-169	4,4'-DDE is not estimated
UCS-C	$^{13}C_{10}$-Heptachlor	215	5-128	Heptachlor is not estimated, the result is non-detect.
	$^{13}C_{12}$-Aldrin	5.03	5-126	Aldrin is estimated, due to dilution. DEQ would not estimates these results solely on the dilution if the labeled recovery is acceptable.
	$^{13}C_{12}$-4,4'-DDE	21.6	26-169	4,4'-DDE is not estimated
	$^{13}C_{10}$-cis-Nonachlor	14.6	17-154	cis-Nonachlor is not estimated

Batch QC Failures

Sample	Analyte	Method Blank Result	Sample Result	Comments
UCS-A	α-BHC	7.36	41.4	Estimate result.
	γ-BHC	16.6	46.3	Estimate result.
UCS-B	α-BHC	7.36	47.8	Estimate result.
	γ-BHC	16.6	48.6	Estimate result.
UCS-C	α-BHC	7.36	39.9	Estimate result.
	γ-BHC	16.6	56.7	Estimate result.

Samples US-FLO, FLO QA
Vista Analytical Laboratory Report 33337

- These samples were prepared in two extraction batches. The sample US-FLO is in batch 1, and US-FLO QA is in batch 2.

Labeled Analog Failures – Batch 1

Sample	Labeled Analog	Recovery (%)	Limits (%)	Comments
US-FLO	$^{13}C_{12}$-Aldrin	6.11	5-126	Aldrin is estimated, due to dilution. DEQ would not estimates these results solely on the dilution if the labeled recovery is acceptable.

Labeled Analog Failures – Batch 2

Sample	Labeled Analog	Recovery (%)	Limits (%)	Comments
US-FLO QA	$^{13}C_{12}$-Aldrin	1.43	5-126	Aldrin is estimated.
	$^{13}C_4$-Hexachlorobutadiene	7.89	25-150	This compound does not have any criteria in the reference method. The acceptance limits appear to be set by the laboratory. Recommend estimating Hexachlorobutadiene result.

Batch QC Failures – Batch 1

Source Sample	Analyte	Matrix Spike Recovery (%)	Matrix Spike Duplicate Recovery (%)	SAP Limits	RPD Limit	Comments
US-FLO	α-chlordane	131	130	± 50%	±50% >5x MRL	Assumed outside lab limits, but no limits provided. Within SAP limits. Vista has qualified the data with a * meaning "see cover letter", though the lab neglected to narrate the MS recovery issues in the cover letter.
	Endosulfan Sulfate	125	134	± 50%	±50% >5x MRL	
	Methoxychlor	143	143	± 50%	±50% >5x MRL	
	Endrin Ketone	129	139	± 50%	±50% >5x MRL	

Batch QC Failures – Batch 2

Sample	Analyte	Method Blank Result	Sample Result	Comments
US-FLO QA	Hexachlorobutadiene	48.5	165	Estimate result.
	β-BHC	5.59	13.7	Estimate result.

Samples LMCS-A, LCMS-B, LCMS-C, SRM, Rinsate Blank
Vista Analytical Laboratory Report 33336

- One sample result is qualified with "E" indicating the result is above the calibration curve. All "E" results should be considered estimates.
- These samples were prepared in two extraction batches. The LMCS samples are in batch 1, the SRM was extracted in batch 2.

Labeled Analog Failures – Batch 1

Sample	Labeled Analog	Recovery (%)	Limits (%)	Comments
LMCS-A	$^{13}C_4$-Hexachlorobutadiene	24.7	25-150	This compound does not have any criteria in the reference method. The acceptance limits appear to be set by the

				laboratory.
	$^{13}C_{12}$-Aldrin	4.91	5-126	Aldrin is estimated
LMCS-**B**	$^{13}C_{12}$-Aldrin	6.94	5-128	Aldrin is estimated, due to dilution. DEQ would not estimates these results solely on the dilution if the labeled recovery is acceptable.
LMCS-**C**	$^{13}C_{12}$-Aldrin	12.7	5-128	Aldrin is estimated, due to dilution. DEQ would not estimates these results solely on the dilution if the labeled recovery is acceptable.

- LMCS-B: 4,4'-Methoxychlor, Endrin Aldehyde & Endrin Ketone qualified as having matrix interferences. The results are non-detect.
- LMCS-C: 4,4'-Methoxychlor, Endrin Aldehyde & Endrin Ketone qualified as having matrix interferences. The results are non-detect.

Labeled Analog Failures – Batch 2

Sample	Labeled Analog	Recovery (%)	Limits (%)	Comments
SRM	$^{13}C_{12}$-Aldrin	0.06	5-126	Aldrin is estimated

EMPC Results

Sample	Analyte	EMPC (pg/g)	DL (pg/g)	Comments
Method Blank	Hexachlorobutadiene	66.7		Vista does not provide detection limits for the EMPC compounds. With the information provided it cannot be determined if these are true hits or artifacts.
	Endosulfan I	104		
SRM	trans-Nonachlor	267		
	cis-Nonachlor	141		

- SRM: 4,4'-Methoxychlor is qualified as having matrix interferences. The result is non-detect.

Samples LMCS-Pen-2
Vista Analytical Laboratory Report 33333

Batch QC Failures

Sample	Analyte	Method Blank Result	Sample Result	Comments
LMCS-Pen-2	Hexachlorobutadiene	48.5	117	Estimate result.

	Hexachlorobenzene	20	200	Estimate result.
	β-BHC	5.59	18.8	Estimate result.

EMPC Results

Sample	Analyte	EMPC (pg/g)	DL (pg/g)	Comments
Method Blank	α-BHC	2.85		Vista does not provide detection limits for the EMPC compounds. With the information provided it cannot be determined if these are true hits or artifacts.
	Endosulfan I	60.7		
	Dieldrin	7.43		
	Endosulfan II	43.8		

Batch QC Failures

Source Sample	Analyte	Matrix Spike Recovery (%)	Matrix Spike Duplicate Recovery (%)	SAP Limits	RPD Limit	Comments
LMCS-Pen-2	Hexachlorobutadiene	163	99.4	± 50%	±50% >5x MRL	High Recovery. Matrix interferences present in this sample may be interfering with pesticide quantitation.
	cis-Nonachlor	127	108	± 50%	±50% >5x MRL	Assumed outside lab limits – none provided. Within SAP limits.
	Endosulfan Sulfate	69.6	48.2	± 50%	±50% >5x MRL	Low Recovery. Matrix interferences present in this sample may be suppressing recovery of Pesticides.
	4,4'-Methoxychlor	202	215	± 50%	±50% >5x MRL	High Recovery. Matrix interferences present in this sample may be interfering with pesticide quantitation
	Endrin Aldehyde	67.2	46	± 50%	±50% >5x MRL	Low Recovery. Matrix interferences present in this sample may be suppressing recovery of Pesticides.

- LMCS-Pen-2: 4,4'-Methoxychlor, Endrin Aldehyde & Endrin Ketone qualified as having matrix interferences. The results are non-detect.

Labeled Analog Failures

Sample	Labeled Analog	Recovery (%)	Limits (%)	Comments
LMCS-Pen-2	$^{13}C_4$-Hexachlorobutadiene	3.3	25-150	This compound does not have any criteria in the reference method. The acceptance limits appear to be set by the laboratory. Recommend estimating Hexachlorobutadiene result.
	$^{13}C_{12}$-Aldrin	6.72	5-126	Aldrin is estimated, due to dilution. DEQ would not estimates these results solely on the dilution if the labeled recovery is acceptable.

Samples LMCS-Pen-2, UMCS-1205, US-WgnrM, US-FLO, US-FLO QA, Time Zero, Control
Vista Analytical Laboratory Report 33368

- Several sample results are qualified with "E" indicating the result is above the calibration curve. All "E" results should be considered estimates.

Batch QC Failures

Sample	Analyte	Method Blank Result	Sample Result	Comments
LMCS-Pen-2	Hexachlorobutadiene	17.3	16.9	Estimate result.
UMCS-1205	Hexachlorobutadiene	17.3	19	Estimate result.
US-WgnrM	Hexachlorobutadiene	17.3	16.1	Estimate result.
US-FLO	Hexachlorobutadiene	17.3	15.9	Estimate result.
US-FLO QA	Hexachlorobutadiene	17.3	16	Estimate result.
Time Zero	Hexachlorobutadiene	17.3	18.3	Estimate result.
Control	Hexachlorobutadiene	17.3	14	Estimate result.
	Hexachlorobenzene	7.47	56.7	Estimate result.

EMPC Results

Sample	Analyte	EMPC (pg/g)	DL (pg/g)	Comments
UMCS-1205	Endrin Ketone	23.4		Vista does not provide detection limits for the EMPC compounds. With the information provided it cannot be determined if theses are true hits or artifacts.

Batch QC Failures

Source Sample	Analyte	Matrix Spike Recovery (%)	Matrix Spike Duplicate Recovery (%)	SAP Limits	RPD Limit	Comments
LMCS-Pen-2	Endosulfan Sulfate	153	145	± 50%	±50% >5x MRL	High Recovery. Matrix interferences present in this sample may be interfering with pesticide quantitation
	4,4'-Methoxychlor	132	117	± 50%	±50% >5x MRL	Assumed outside lab limits – none provided. Within SAP limits.
	Endrin Aldehyde	102	122	± 50%	±50% >5x MRL	Assumed outside lab limits – none provided. Within SAP limits.

- LMCS-Pen-2: Oxychlordane &Endosulfan I are qualified as having matrix interferences. The results are non-detect.
- UMCS-1205: Endosulfan II is qualified as having matrix interferences. The result is non-detect.
- US-FLO: Oxychlordane, trans-Heptachlor Epoxide, Endosulfan I & Endosulfan II are qualified as having matrix interferences. The results are non-detect.
- US-FLO QA: Endosulfan II & Mirex are qualified as having matrix interferences. The results are non-detect.
- Time Zero: Endosulfan I is qualified as having matrix interferences. The result is non-detect.
- Control: Endosulfan II & Mirex are qualified as having matrix interferences. The results are non-detect.

Pace Analytical – Minneapolis, MN

EPA 1668A Analysis

Pace only qualifies blank contamination which results in an estimated value.

No conclusions are able to be drawn regarding the EMPC data without the raw instrument data

Samples UMCS – A,B,C
Pace Analytical Report 10162775

Batch QC Failures

Sample	Analyte	Method Blank Result	Sample Result	Comments
UMCS-A	PCB 4	19	54.2	Estimate result.

	PCB 8	25.8	101	Estimate result.
UMCS-B	PCB 4	19	58.6	Estimate result.
	PCB 8	25.8	103	Estimate result.
UMCS-C	PCB 4	19	48.2	Estimate result.
	PCB 8	25.8	81.2	Estimate result.

Samples UCS – A,B,C
Pace Analytical Report 10164713

Labeled Analog Failures

Sample	Labeled Analog	Recovery (%)	Limits (%)	Comments
Method Blank	$^{13}C_{12}$ PCB 1	11	15-150	Estimate not needed.
	$^{13}C_{12}$ PCB 3	14	15-150	Estimate not needed.
	$^{13}C_{12}$ PCB 4	12	25-150	Recommend estimating result.
	$^{13}C_{12}$ PCB 19	25	25-150	Meets method criteria, but flagged in analytical report
Laboratory Control Sample	$^{13}C_{12}$ PCB 1	17	15-150	Estimate not needed.
	$^{13}C_{12}$ PCB 3	19	15-150	Estimate not needed.
	$^{13}C_{12}$ PCB 4	15	25-150	Estimate not needed.
	$^{13}C_{12}$ PCB 19	26	25-150	Meets method criteria, but flagged in analytical report
Laboratory Control Sample Duplicate	$^{13}C_{12}$ PCB 1	8	15-150	Recommend estimating result.
	$^{13}C_{12}$ PCB 3	17	15-150	Estimate not needed.
	$^{13}C_{12}$ PCB 4	18	25-150	Estimate not needed.

EMPC Results

Sample	Analyte	EMPC (ng/kg)	EML (ng/kg)	Comments
Method Blank	PCB 4	16.3	14.3	
	PCB 8	24.7	19.5	
	PCB 15	13.2	4.02	

UCS-A	PCB 6	38.4	28.4	
UCS-B	PCB 19	30	17.7	
	PCB 59/62/75	59.4	48.5	

Batch QC Failures

Sample	Analyte	Method Blank Result	Sample Result	Comments
UCS-C	PCB 21	45.3	296	Estimate result.
	PCB 22	29.3	227	Estimate result.
	PCB 31	65.1	552	Estimate result.

Samples US-FLO, FLO QA
Pace Analytical Report 10167723

EMPC Results

Sample	Analyte	EMPC (ng/kg)	EML (ng/kg)	Comments
US-FLO	PCB 19	6.49	3.46	
	PCB 25	5.4	3.67	
	PCB 77	10.6	4.38	
	PCB 82	11.4	4.99	
	PCB 209	17.1	1.83	
US-FLO QA UCS-B	PCB 137	5.42	5.00	
	PCB 195	13.4	6.71	
	PCB 202	17.3	10.9	

Batch QC Failures

Sample	Analyte	Method Blank Result	Sample Result	Comments
US-FLO	PCB 4	6.8	17.5	Estimate result.
	PCB 8	23.8	39.7	Estimate result.
	PCB 15	14.3	39.1	Estimate result.
	PCB 16	11.4	16.8	Estimate result.
	PCB 17	12.3	22.3	Estimate result.

	PCB 18/30	15.5	36.0	Estimate result.
	PCB 20/28	51.2	97.8	Estimate result.
	PCB 21/33	28	45.4	Estimate result.
	PCB 22	20.1	32.2	Estimate result.
	PCB 31	39.8	69.8	Estimate result.
	PCB 32	10.7	18.0	Estimate result.
	PCB 37	14.6	42.1	Estimate result.
	PCB 40/41/71	14.2	34.0	Estimate result.
	PCB 42	7.33	16.0	Estimate result.
	PCB 44/47/65	24.7	62.3	Estimate result.
	PCB 48	4.92	12.1	Estimate result.
	PCB 49/69	12.6	40.6	Estimate result.
	PCB 52	29.2	85.7	Estimate result.
	PCB 56	11.3	35.1	Estimate result.
	PCB 60	7.86	18.6	Estimate result.
	PCB 61/70/74/76	37.7	99.7	Estimate result.
	PCB 66	23.8	77.6	Estimate result.
US-FLO QA	PCB 4	6.8	13.5	Estimate result.
	PCB 8	23.8	33.6	Estimate result.
	PCB 15	14.3	38.7	Estimate result.
	PCB 16	11.4	13.4	Estimate result.
	PCB 17	12.3	16.4	Estimate result.
	PCB 18/30	15.5	29.5	Estimate result.
	PCB 19	3.81	7.12	Estimate result.
	PCB 20/28	51.2	82.2	Estimate result.
	PCB 21/33	28	36.9	Estimate result.
	PCB 22	20.1	24.7	Estimate result.

	PCB 31	39.8	54.2	Estimate result.
	PCB 32	10.7	14.5	Estimate result.
	PCB 37	14.6	38.3	Estimate result.
	PCB 40/41/71	14.2	26.3	Estimate result.
	PCB 42	7.33	15.0	Estimate result.
	PCB 44/47/65	24.7	53.9	Estimate result.
	PCB 48	4.92	8.88	Estimate result.
	PCB 49/69	12.6	34.9	Estimate result.
	PCB 52	29.2	71.2	Estimate result.
	PCB 56	11.3	31.1	Estimate result.
	PCB 60	7.86	16.8	Estimate result.
	PCB 61/70/74/76	37.7	95.1	Estimate result.
	PCB 66	23.8	72.3	Estimate result.

Samples LMCS-A, LCMS-B, LCMS-C, SRM, Rinsate Blank
Pace Analytical Report 10197722

EMPC Results

Sample	Analyte	EMPC (ng/kg)	EML (ng/kg)	Comments
LMCS-A	PCB 27	9.62	5.46	
	PCB 55	8.66	4.90	
	PCB 126	7.51	4.61	
	PCB 152	3.22	2.26	
	PCB 191	13.8	6.37	
	PCB 205	11.4	3.24	
LMCS-B	PCB 2	7.76	7.21	
	PCB 126	4.92	4.64	

LMCS-C	PCB 152	3.84	2.27	
	PCB 162	9.77	4.93	
	PCB 181	4.60	2.76	

Batch QC Failures

Sample	Analyte	Method Blank Result	Sample Result	Comments
LMCS-A	PCB 4	6.8	28.3	Estimate result.
	PCB 8	23.8	68	Estimate result.
	PCB 15	14.3	112	Estimate result.
	PCB 16	11.4	41.1	Estimate result.
	PCB 17	12.3	57.4	Estimate result.
	PCB 18/30	15.5	93.8	Estimate result.
	PCB 19	3.81	17.4	Estimate result.
	PCB 20/28	51.2	360	Estimate result.
	PCB 21/33	28	126	Estimate result.
	PCB 22	20.1	110	Estimate result.
	PCB 31	39.8	247	Estimate result.
	PCB 32	10.7	54.4	Estimate result.
LMCS-B	PCB 4	6.8	24.6	Estimate result.
	PCB 8	23.8	63.1	Estimate result.
	PCB 15	14.3	86.1	Estimate result.
	PCB 16	11.4	47	Estimate result.
	PCB 17	12.3	55.3	Estimate result.
	PCB 18/30	15.5	88.1	Estimate result.
	PCB 19	3.81	13.5	Estimate result.
	PCB 20/28	51.2	317	Estimate result.
	PCB 21/33	28	129	Estimate result.
	PCB 22	20.1	106	Estimate result.

	PCB 31	39.8	225	Estimate result.
	PCB 32	10.7	52.2	Estimate result.
	PCB 37	14.6	137	Estimate result.
	PCB 60	7.86	70.4	Estimate result.
LMCS-C	PCB 4	6.8	24.6	Estimate result.
	PCB 8	23.8	76.2	Estimate result.
	PCB 15	14.3	92.1	Estimate result.
	PCB 16	11.4	79.5	Estimate result.
	PCB 17	12.3	104	Estimate result.
	PCB 19	3.81	28.4	Estimate result.
	PCB 20/28	51.2	475	Estimate result.
	PCB 21/33	28	199	Estimate result.
	PCB 22	20.1	152	Estimate result.
	PCB 31	39.8	382	Estimate result.
	PCB 32	10.7	104	Estimate result.

SRM

Sample	Analyte	Lab Result	Certified Value	% Recovery	Uncertainty	Concentration Range		Comments
SRM	PCB 8	1.24	1.65	75.2%	0.19	1.46	1.84	No specific limits in SAP for SRM recovery. For data validation purposes, the matrix spike limits have been used. PCB-87, 195 & 201 are outside the SAP matrix spike limits.
	PCB 18	1.34	2.39	56.1%	0.29	2.1	2.68	
	PCB 28	4.58	4.52	101.3%	0.57	3.95	5.09	
	PCB 31	3.44	3.18	108.2%	0.41	2.77	3.59	
	PCB 44	5.63	3.85	146.2%	0.2	3.65	4.05	
	PCB 49	3.19	4.34	73.5%	0.28	4.06	4.62	
	PCB 52	4.7	5.24	89.7%	0.28	4.96	5.52	
	PCB 66	5.22	4.96	105.2%	0.53	4.43	5.49	
	PCB 87	2.07	1.14	181.6%	0.16	0.98	1.3	
	PCB 95	3.3	3.93	84.0%	0.62	3.31	4.55	

	PCB 99	2.43	2.9	83.8%	0.36	2.54	3.26	
	PCB 101	4.03	5.11	78.9%	0.34	4.77	5.45	
	PCB 105	1.29	1.43	90.2%	0.1	1.33	1.53	
	PCB 110	4.37	4.62	94.6%	0.36	4.26	4.98	
	PCB 118	4.23	4.23	100.0%	0.19	4.04	4.42	
	PCB 128	0.568	0.696	81.6%	0.044	0.652	0.74	
	PCB 138	4.35	3.6	120.8%	0.28	3.32	3.88	
	PCB 149	4.55	4.35	104.6%	0.26	4.09	4.61	
	PCB 153	4.62	5.47	84.5%	0.32	5.15	5.79	
	PCB 156	0.472	0.507	93.1%	0.09	0.417	0.597	
	PCB 170	0.99	1.35	73.3%	0.09	1.26	1.44	
	PCB 180	2.35	3.24	72.5%	0.51	2.73	3.75	
	PCB 183	0.91	0.979	93.0%	0.087	0.892	1.066	
	PCB 187	1.93	2.17	88.9%	0.22	1.95	2.39	
	PCB 194	0.561	1.04	53.9%	0.06	0.98	1.1	
	PCB 195	0.204	0.645	31.6%	0.06	0.585	0.705	
	PCB 201	0.173	0.777	22.3%	0.034	0.743	0.811	
	PCB 206	1.69	2.42	69.8%	0.19	2.23	2.61	
	PCB 209	4.87	4.86	100.2%	0.45	4.41	5.31	

Batch QC Failures

Source Sample	Analyte	Matrix Spike Recovery (%)	Matrix Spike Duplicate Recovery (%)	SAP Limits	RPD	RPD Limit
LMCS-B	PCB 15	155	113	± 50%	31.8	±50% >5x MRL
	PCB 37	162	112	± 50%	36.1	±50% >5x MRL
	PCB 105	178	114	± 50%	44.2	±50% >5x MRL
	PCB 118	292	139	± 50%	70.9	±50% >5x MRL
	PCB 206	0	13	± 50%	200	±50% >5x MRL
	PCB 208	39	41	± 50%	5.4	±50% >5x MRL

Comments:	The laboratory has indicated that the inconsistencies in the matrix spike recoveries are likely due to a non-homogenous sample. Due to the nature of the multi-incremental sampling technique and the fact that the sample chosen for the matrix spike should have been further homogenized at the subcontract laboratory, sample non-homogeneity is not likely to be the cause. The grain size analysis for this sample indicated it was 0% gravel, 39.3% sand, 49.3% silt & 11.3% clay which appear to be reasonably homogeneous.

Samples US-WgnrM
Pace Analytical Report 10197720

Batch QC Failures

Sample	Analyte	Method Blank Result	Sample Result	Comments
US-WgnrM	PCB 4	6.8	44.6	Estimate result.
	PCB 8	23.8	109	Estimate result.
	PCB 16	11.4	103	Estimate result.
	PCB 19	3.81	34.2	Estimate result.
	PCB 21/33	28	257	Estimate result.

EMPC Results

Sample	Analyte	EMPC (ng/kg)	EML (ng/kg)	Comments
US-WgnrM	PCB 35	16.6	6.93	
	PCB 57	11.2	5.32	
	PCB 152	2.87	2.31	
	PCB 169	30.3	5.42	

Labeled Analog Failures

Sample	Labeled Analog	Recovery (%)	Limits (%)	Comments
US-WgnrM	PCB 188	153	25-150	No impact on data.

Samples LMCS-Pen-2
Pace Analytical Report 10197719

Batch QC Failures

Sample	Analyte	Method Blank Result	Sample Result	Comments

LMCS-Pen-2	PCB 4	6.8	30.9	Estimate result.
	PCB 8	23.8	83.2	Estimate result.
	PCB 15	14.3	128	Estimate result.
	PCB 16	11.4	57.3	Estimate result.
	PCB 17	12.3	63.7	Estimate result.
	PCB 18/30	15.5	105	Estimate result.
	PCB 19	3.81	16.9	Estimate result.
	PCB 20/28	51.2	386	Estimate result.
	PCB 21/33	28.0	150	Estimate result.
	PCB 22	20.1	124	Estimate result.
	PCB 31	39.8	283	Estimate result.
	PCB 32	10.7	58.7	Estimate result.

EMPC Results

Sample	Analyte	EMPC (ng/kg)	EML (ng/kg)	Comments
LMCS-Pen-2	PCB 6	14.2	4.61	
	PCB 67	13.2	3.79	
	PCB 94	5.77	2.25	
	PCB 126	8.55	4.81	
	PCB 127	4.56	3.89	
	PCB 159	35.5	7.68	
	PCB 169	7.00	5.53	
	PCB 175	28.9	10.3	

Samples LMCS-Pen-2, UMCS-1205, US-WgnrM, US-FLO, US-FLO QA, Time Zero, Control
Pace Analytical Report 10169672

Batch QC Failures

Sample	Analyte	Method Blank Result	Sample Result	Comments
UMCS-1205	PCB 52	43.6	363	Estimate result.

US-FLO	PCB 52	43.6	162	Estimate result.
	PCB 66	32.2	158	Estimate result.
	PCB 95	25.7	170	Estimate result.
US-FLO QA	PCB 52	43.6	159	Estimate result.
	PCB 66	32.2	167	Estimate result.
	PCB 95	25.7	169	Estimate result.
Time Zero	PCB 52	43.6	272	Estimate result.
	PCB 66	32.2	261	Estimate result.
	PCB 95	25.7	251	Estimate result.
Control	PCB 52	43.6	53.1	Estimate result.
	PCB 66	32.2	32.4	Estimate result.
	PCB 95	25.7	46.9	Estimate result.
	PCB 153/168	29.2	95	Estimate result.

EMPC Results

Sample	Analyte	EMPC (ng/kg)	EML (ng/kg)	Comments
UMCS-1205	PCB 4	12.7	10.7	
	PCB 6	9.88	6.92	
US-WgnrM	PCB 72	11.8	6.83	
US-FLO QA	PCB 196	18.8	15.7	
Time Zero	PCB 6	10.1	6.92	

Labeled Analog Failures

Sample	Labeled Analog	Recovery (%)	Limits (%)	Comments
US-FLO QA	PCB 208	86	25-150	Qualified as having matrix interferences, however, the reasoning is unclear. The labeled recovery is within method limits.

Appendix F Lumbriculus Bioassays- Table F.1: *Lumbriculus* PCB-Congener specific BSAFs by location and congener.

Sample_ID	PCB Number	BSAF	Chlorination Level	Log Kow
UMCS-1205	PCB-002	1.50	1	4.69
US-FLO QA	PCB-002	1.02	1	4.69
US-WgnrM	PCB-002	1.05	1	4.69
LMCS-Pen-2	PCB-004	0.57	2	4.65
UMCS-1205	PCB-004	1.16	2	4.65
US-FLO	PCB-004	0.75	2	4.65
US-WgnrM	PCB-004	0.75	2	4.65
UMCS-1205	PCB-006	1.73	2	5.06
US-FLO	PCB-006	1.12	2	5.06
US-FLO QA	PCB-006	1.23	2	5.06
US-WgnrM	PCB-006	1.08	2	5.06
LMCS-Pen-2	PCB-008	0.84	2	5.07
UMCS-1205	PCB-008	1.85	2	5.07
US-FLO	PCB-008	1.37	2	5.07
US-FLO QA	PCB-008	1.27	2	5.07
US-WgnrM	PCB-008	1.24	2	5.07
LMCS-Pen-2	PCB-011	1.10	2	5.28
UMCS-1205	PCB-011	2.25	2	5.28
US-WgnrM	PCB-011	1.28	2	5.28
LMCS-Pen-2	PCB-015	0.52	2	5.3
UMCS-1205	PCB-015	0.99	2	5.3
US-WgnrM	PCB-015	0.49	2	5.3
LMCS-Pen-2	PCB-016	0.92	3	5.16
UMCS-1205	PCB-016	1.54	3	5.16
US-FLO	PCB-016	1.51	3	5.16
US-FLO QA	PCB-016	1.39	3	5.16
US-WgnrM	PCB-016	1.08	3	5.16
LMCS-Pen-2	PCB-017	1.06	3	5.25
UMCS-1205	PCB-017	1.78	3	5.25
US-FLO	PCB-017	1.30	3	5.25
US-FLO QA	PCB-017	1.34	3	5.25
US-WgnrM	PCB-017	1.07	3	5.25
LMCS-Pen-2	PCB-018	1.11	3	5.24
UMCS-1205	PCB-018	1.79	3	5.24
US-FLO	PCB-018	1.44	3	5.24
US-FLO QA	PCB-018	1.36	3	5.24
US-WgnrM	PCB-018	1.15	3	5.24
LMCS-Pen-2	PCB-019	0.82	3	5.02
UMCS-1205	PCB-019	1.47	3	5.02
US-WgnrM	PCB-019	0.98	3	5.02
LMCS-Pen-2	PCB-020	1.29	3	5.57
UMCS-1205	PCB-020	2.25	3	5.57
US-FLO	PCB-020	1.92	3	5.57
US-FLO QA	PCB-020	1.86	3	5.57
US-WgnrM	PCB-020	1.52	3	5.57
LMCS-Pen-2	PCB-021	1.21	3	5.51
UMCS-1205	PCB-021	2.38	3	5.51
US-FLO	PCB-021	1.86	3	5.51
US-FLO QA	PCB-021	1.77	3	5.51
US-WgnrM	PCB-021	1.42	3	5.51

Appendix F Lumbriculus Bioassays- Table F.1: *Lumbriculus* PCB-Congener specific BSAFs by location and congener.

Sample_ID	PCB Number	BSAF	Chlorination Level	Log Kow
LMCS-Pen-2	PCB-022	1.19	3	5.58
UMCS-1205	PCB-022	2.12	3	5.58
US-FLO	PCB-022	1.81	3	5.58
US-FLO QA	PCB-022	1.80	3	5.58
US-WgnrM	PCB-022	1.37	3	5.58
LMCS-Pen-2	PCB-025	1.13	3	5.67
UMCS-1205	PCB-025	2.08	3	5.67
US-WgnrM	PCB-025	1.36	3	5.67
LMCS-Pen-2	PCB-026	1.18	3	5.66
UMCS-1205	PCB-026	2.04	3	5.66
US-WgnrM	PCB-026	1.36	3	5.66
US-WgnrM	PCB-027	0.99	3	5.44
LMCS-Pen-2	PCB-031	1.08	3	5.67
UMCS-1205	PCB-031	2.07	3	5.67
US-FLO	PCB-031	1.56	3	5.67
US-FLO QA	PCB-031	1.59	3	5.67
US-WgnrM	PCB-031	1.38	3	5.67
LMCS-Pen-2	PCB-032	1.14	3	5.44
UMCS-1205	PCB-032	2.05	3	5.44
US-FLO	PCB-032	1.71	3	5.44
US-FLO QA	PCB-032	1.70	3	5.44
US-WgnrM	PCB-032	1.48	3	5.44
LMCS-Pen-2	PCB-037	0.82	3	5.83
UMCS-1205	PCB-037	1.31	3	5.83
US-FLO	PCB-037	1.18	3	5.83
US-FLO QA	PCB-037	0.97	3	5.83
US-WgnrM	PCB-037	0.81	3	5.83
LMCS-Pen-2	PCB-040	1.05	4	5.66
UMCS-1205	PCB-040	1.49	4	5.66
US-FLO	PCB-040	2.06	4	5.66
US-WgnrM	PCB-040	1.01	4	5.66
LMCS-Pen-2	PCB-042	1.03	4	5.76
UMCS-1205	PCB-042	1.58	4	5.76
US-FLO	PCB-042	2.39	4	5.76
US-FLO QA	PCB-042	2.25	4	5.76
US-WgnrM	PCB-042	1.04	4	5.76
LMCS-Pen-2	PCB-044	0.96	4	5.75
UMCS-1205	PCB-044	1.50	4	5.75
US-FLO	PCB-044	2.49	4	5.75
US-FLO QA	PCB-044	2.51	4	5.75
US-WgnrM	PCB-044	1.07	4	5.75
LMCS-Pen-2	PCB-045	1.03	4	5.53
UMCS-1205	PCB-045	1.43	4	5.53
US-WgnrM	PCB-045	0.92	4	5.53
LMCS-Pen-2	PCB-046	0.94	4	5.53
UMCS-1205	PCB-046	1.32	4	5.53
US-WgnrM	PCB-046	0.95	4	5.53
LMCS-Pen-2	PCB-048	1.16	4	5.78
UMCS-1205	PCB-048	1.62	4	5.78
US-FLO	PCB-048	1.79	4	5.78

Appendix F Lumbriculus Bioassays- Table F.1: *Lumbriculus* PCB-Congener specific BSAFs by location and congener.

Sample_ID	PCB Number	BSAF	Chlorination Level	Log Kow
US-FLO QA	PCB-048	2.30	4	5.78
US-WgnrM	PCB-048	1.07	4	5.78
LMCS-Pen-2	PCB-049	1.08	4	5.85
UMCS-1205	PCB-049	1.69	4	5.85
US-FLO	PCB-049	2.64	4	5.85
US-FLO QA	PCB-049	3.00	4	5.85
US-WgnrM	PCB-049	1.07	4	5.85
LMCS-Pen-2	PCB-050	1.07	4	5.63
UMCS-1205	PCB-050	1.49	4	5.63
US-WgnrM	PCB-050	1.06	4	5.63
LMCS-Pen-2	PCB-052	0.85	4	5.84
UMCS-1205	PCB-052	1.47	4	5.84
US-FLO	PCB-052	2.26	4	5.84
US-FLO QA	PCB-052	2.44	4	5.84
US-WgnrM	PCB-052	0.97	4	5.84
LMCS-Pen-2	PCB-056	1.14	4	6.11
UMCS-1205	PCB-056	1.70	4	6.11
US-FLO	PCB-056	2.31	4	6.11
US-FLO QA	PCB-056	2.41	4	6.11
US-WgnrM	PCB-056	1.30	4	6.11
LMCS-Pen-2	PCB-059	1.17	4	5.95
UMCS-1205	PCB-059	1.83	4	5.95
US-WgnrM	PCB-059	1.12	4	5.95
LMCS-Pen-2	PCB-060	1.27	4	6.11
UMCS-1205	PCB-060	2.23	4	6.11
US-FLO	PCB-060	2.27	4	6.11
US-FLO QA	PCB-060	2.17	4	6.11
US-WgnrM	PCB-060	1.51	4	6.11
LMCS-Pen-2	PCB-061	1.16	4	6.04
UMCS-1205	PCB-061	1.89	4	6.04
US-FLO	PCB-061	2.66	4	6.04
US-FLO QA	PCB-061	2.63	4	6.04
US-WgnrM	PCB-061	1.47	4	6.04
LMCS-Pen-2	PCB-063	1.39	4	6.17
US-WgnrM	PCB-063	1.63	4	6.17
LMCS-Pen-2	PCB-064	1.08	4	5.95
UMCS-1205	PCB-064	1.68	4	5.95
US-WgnrM	PCB-064	1.15	4	5.95
LMCS-Pen-2	PCB-066	1.19	4	6.2
UMCS-1205	PCB-066	1.98	4	6.2
US-FLO	PCB-066	2.43	4	6.2
US-FLO QA	PCB-066	2.52	4	6.2
US-WgnrM	PCB-066	1.41	4	6.2
US-WgnrM	PCB-067	1.36	4	6.2
LMCS-Pen-2	PCB-077	0.87	4	6.36
UMCS-1205	PCB-077	1.19	4	6.36
US-FLO QA	PCB-077	1.19	4	6.36
US-WgnrM	PCB-077	0.82	4	6.36
LMCS-Pen-2	PCB-079	1.77	4	6.42
UMCS-1205	PCB-079	2.27	4	6.42

Appendix F Lumbriculus Bioassays- Table F.1: *Lumbriculus* PCB-Congener specific BSAFs by location and congener.

Sample_ID	PCB Number	BSAF	Chlorination Level	Log Kow
US-WgnrM	PCB-079	2.05	4	6.42
LMCS-Pen-2	PCB-082	0.77	5	6.2
UMCS-1205	PCB-082	1.01	5	6.2
US-FLO QA	PCB-082	2.43	5	6.2
US-WgnrM	PCB-082	0.78	5	6.2
LMCS-Pen-2	PCB-083	0.82	5	6.26
UMCS-1205	PCB-083	1.11	5	6.26
US-WgnrM	PCB-083	0.70	5	6.26
LMCS-Pen-2	PCB-084	0.41	5	6.04
UMCS-1205	PCB-084	0.87	5	6.04
US-FLO	PCB-084	1.86	5	6.04
US-FLO QA	PCB-084	1.99	5	6.04
US-WgnrM	PCB-084	0.57	5	6.04
LMCS-Pen-2	PCB-085	0.68	5	6.3
UMCS-1205	PCB-085	1.04	5	6.3
US-FLO	PCB-085	2.91	5	6.3
US-FLO QA	PCB-085	3.49	5	6.3
US-WgnrM	PCB-085	0.82	5	6.3
LMCS-Pen-2	PCB-086	0.64	5	6.23
UMCS-1205	PCB-086	1.18	5	6.23
US-FLO	PCB-086	2.68	5	6.23
US-FLO QA	PCB-086	3.05	5	6.23
US-WgnrM	PCB-086	0.82	5	6.23
LMCS-Pen-2	PCB-088	0.66	5	6.07
UMCS-1205	PCB-088	1.12	5	6.07
US-FLO	PCB-088	2.97	5	6.07
US-FLO QA	PCB-088	3.47	5	6.07
US-WgnrM	PCB-088	0.78	5	6.07
LMCS-Pen-2	PCB-090	0.70	5	6.36
UMCS-1205	PCB-090	1.46	5	6.36
US-FLO	PCB-090	3.06	5	6.36
US-FLO QA	PCB-090	3.68	5	6.36
US-WgnrM	PCB-090	0.78	5	6.36
LMCS-Pen-2	PCB-092	0.74	5	6.35
UMCS-1205	PCB-092	13.71	5	6.35
US-FLO	PCB-092	3.54	5	6.35
US-FLO QA	PCB-092	4.15	5	6.35
US-WgnrM	PCB-092	10.22	5	6.35
US-WgnrM	PCB-093	0.83	5	6.04
LMCS-Pen-2	PCB-095	0.61	5	6.13
UMCS-1205	PCB-095	1.46	5	6.13
US-FLO	PCB-095	2.70	5	6.13
US-FLO QA	PCB-095	3.09	5	6.13
US-WgnrM	PCB-095	0.68	5	6.13
LMCS-Pen-2	PCB-099	0.77	5	6.39
UMCS-1205	PCB-099	1.47	5	6.39
US-FLO	PCB-099	3.92	5	6.39
US-FLO QA	PCB-099	4.84	5	6.39
US-WgnrM	PCB-099	1.05	5	6.39
US-WgnrM	PCB-103	0.74	5	6.22

Appendix F Lumbriculus Bioassays- Table F.1: *Lumbriculus* PCB-Congener specific BSAFs by location and congener.

Sample_ID	PCB Number	BSAF	Chlorination Level	Log Kow
LMCS-Pen-2	PCB-105	0.83	5	6.65
UMCS-1205	PCB-105	1.22	5	6.65
US-FLO	PCB-105	3.05	5	6.65
US-FLO QA	PCB-105	3.18	5	6.65
US-WgnrM	PCB-105	0.91	5	6.65
LMCS-Pen-2	PCB-107	1.03	5	6.71
UMCS-1205	PCB-107	1.84	5	6.71
US-WgnrM	PCB-107	1.18	5	6.71
LMCS-Pen-2	PCB-109	1.13	5	6.48
UMCS-1205	PCB-109	1.77	5	6.48
US-FLO	PCB-109	3.85	5	6.48
US-FLO QA	PCB-109	3.77	5	6.48
US-WgnrM	PCB-109	1.08	5	6.48
LMCS-Pen-2	PCB-110	0.71	5	6.48
UMCS-1205	PCB-110	1.37	5	6.48
US-FLO	PCB-110	2.86	5	6.48
US-FLO QA	PCB-110	3.27	5	6.48
US-WgnrM	PCB-110	0.82	5	6.48
LMCS-Pen-2	PCB-114	1.00	5	6.65
US-WgnrM	PCB-114	0.99	5	6.65
LMCS-Pen-2	PCB-118	1.00	5	6.74
UMCS-1205	PCB-118	1.60	5	6.74
US-FLO	PCB-118	3.47	5	6.74
US-FLO QA	PCB-118	3.58	5	6.74
US-WgnrM	PCB-118	1.03	5	6.74
LMCS-Pen-2	PCB-122	0.90	5	6.64
UMCS-1205	PCB-122	1.50	5	6.64
US-WgnrM	PCB-122	1.14	5	6.64
LMCS-Pen-2	PCB-123	0.95	5	6.74
US-WgnrM	PCB-123	1.77	5	6.74
LMCS-Pen-2	PCB-128	0.91	6	6.74
UMCS-1205	PCB-128	1.23	6	6.74
US-FLO	PCB-128	2.39	6	6.74
US-FLO QA	PCB-128	4.30	6	6.74
US-WgnrM	PCB-128	0.61	6	6.74
LMCS-Pen-2	PCB-129	0.94	6	6.73
UMCS-1205	PCB-129	1.89	6	6.73
US-FLO	PCB-129	3.95	6	6.73
US-FLO QA	PCB-129	4.36	6	6.73
US-WgnrM	PCB-129	0.88	6	6.73
LMCS-Pen-2	PCB-130	0.71	6	6.8
UMCS-1205	PCB-130	1.30	6	6.8
US-FLO	PCB-130	3.39	6	6.8
US-FLO QA	PCB-130	3.56	6	6.8
US-WgnrM	PCB-130	0.73	6	6.8
LMCS-Pen-2	PCB-131	0.49	6	6.58
US-WgnrM	PCB-131	0.55	6	6.58
LMCS-Pen-2	PCB-132	0.54	6	6.58
UMCS-1205	PCB-132	1.10	6	6.58
US-FLO QA	PCB-132	2.74	6	6.58

Appendix F Lumbriculus Bioassays- Table F.1: *Lumbriculus* PCB-Congener specific BSAFs by location and congener.

Sample_ID	PCB Number	BSAF	Chlorination Level	Log Kow
US-WgnrM	PCB-132	0.58	6	6.58
LMCS-Pen-2	PCB-133	0.87	6	6.86
UMCS-1205	PCB-133	1.83	6	6.86
US-WgnrM	PCB-133	0.88	6	6.86
LMCS-Pen-2	PCB-134	0.51	6	6.55
UMCS-1205	PCB-134	1.16	6	6.55
US-WgnrM	PCB-134	0.62	6	6.55
LMCS-Pen-2	PCB-135	1.01	6	6.64
UMCS-1205	PCB-135	2.21	6	6.64
US-FLO	PCB-135	4.15	6	6.64
US-FLO QA	PCB-135	4.86	6	6.64
US-WgnrM	PCB-135	0.90	6	6.64
LMCS-Pen-2	PCB-136	0.60	6	6.22
UMCS-1205	PCB-136	1.29	6	6.22
US-WgnrM	PCB-136	0.62	6	6.22
LMCS-Pen-2	PCB-137	0.64	6	6.83
UMCS-1205	PCB-137	0.80	6	6.83
US-WgnrM	PCB-137	0.61	6	6.83
US-WgnrM	PCB-139	0.76	6	6.63
LMCS-Pen-2	PCB-141	0.65	6	6.82
UMCS-1205	PCB-141	1.21	6	6.82
US-FLO QA	PCB-141	1.46	6	6.82
US-WgnrM	PCB-141	0.53	6	6.82
LMCS-Pen-2	PCB-144	0.58	6	6.67
US-WgnrM	PCB-144	1.45	6	6.67
LMCS-Pen-2	PCB-146	1.04	6	6.89
UMCS-1205	PCB-146	2.11	6	6.89
US-FLO	PCB-146	4.69	6	6.89
US-FLO QA	PCB-146	5.55	6	6.89
US-WgnrM	PCB-146	0.93	6	6.89
LMCS-Pen-2	PCB-147	0.94	6	6.64
UMCS-1205	PCB-147	2.06	6	6.64
US-FLO	PCB-147	3.95	6	6.64
US-FLO QA	PCB-147	4.56	6	6.64
US-WgnrM	PCB-147	0.89	6	6.64
LMCS-Pen-2	PCB-153	1.00	6	6.92
UMCS-1205	PCB-153	1.86	6	6.92
US-FLO	PCB-153	4.44	6	6.92
US-FLO QA	PCB-153	4.98	6	6.92
US-WgnrM	PCB-153	0.87	6	6.92
LMCS-Pen-2	PCB-154	0.94	6	6.76
US-WgnrM	PCB-154	0.86	6	6.76
LMCS-Pen-2	PCB-156	0.81	6	7.18
UMCS-1205	PCB-156	1.36	6	7.18
US-FLO	PCB-156	2.82	6	7.18
US-FLO QA	PCB-156	3.41	6	7.18
US-WgnrM	PCB-156	0.68	6	7.18
LMCS-Pen-2	PCB-158	0.77	6	7.02
UMCS-1205	PCB-158	1.66	6	7.02
US-FLO QA	PCB-158	2.82	6	7.02

Appendix F Lumbriculus Bioassays- Table F.1: *Lumbriculus* PCB-Congener specific BSAFs by location and congener.

Sample_ID	PCB Number	BSAF	Chlorination Level	Log Kow
US-WgnrM	PCB-158	0.73	6	7.02
US-WgnrM	PCB-159	2.17	6	7.24
US-WgnrM	PCB-162	1.36	6	7.24
LMCS-Pen-2	PCB-164	0.94	6	7.02
UMCS-1205	PCB-164	2.32	6	7.02
US-WgnrM	PCB-164	0.97	6	7.02
LMCS-Pen-2	PCB-167	0.95	6	7.27
UMCS-1205	PCB-167	1.75	6	7.27
US-FLO QA	PCB-167	3.58	6	7.27
US-WgnrM	PCB-167	0.78	6	7.27
LMCS-Pen-2	PCB-170	0.68	7	7.27
UMCS-1205	PCB-170	1.31	7	7.27
US-FLO QA	PCB-170	2.04	7	7.27
US-WgnrM	PCB-170	0.44	7	7.27
LMCS-Pen-2	PCB-171	0.69	7	7.11
UMCS-1205	PCB-171	1.38	7	7.11
US-WgnrM	PCB-171	0.46	7	7.11
LMCS-Pen-2	PCB-172	0.83	7	7.33
UMCS-1205	PCB-172	1.50	7	7.33
US-FLO QA	PCB-172	2.90	7	7.33
US-WgnrM	PCB-172	0.50	7	7.33
LMCS-Pen-2	PCB-174	0.85	7	7.11
UMCS-1205	PCB-174	1.33	7	7.11
US-FLO	PCB-174	2.14	7	7.11
US-FLO QA	PCB-174	2.51	7	7.11
US-WgnrM	PCB-174	0.52	7	7.11
US-WgnrM	PCB-175	0.50	7	7.17
LMCS-Pen-2	PCB-176	0.80	7	6.76
UMCS-1205	PCB-176	1.55	7	6.76
US-WgnrM	PCB-176	0.63	7	6.76
LMCS-Pen-2	PCB-177	0.97	7	7.08
UMCS-1205	PCB-177	1.65	7	7.08
US-FLO	PCB-177	3.39	7	7.08
US-FLO QA	PCB-177	4.04	7	7.08
US-WgnrM	PCB-177	0.62	7	7.08
LMCS-Pen-2	PCB-178	0.83	7	7.14
UMCS-1205	PCB-178	1.47	7	7.14
US-FLO	PCB-178	3.23	7	7.14
US-FLO QA	PCB-178	4.14	7	7.14
US-WgnrM	PCB-178	0.61	7	7.14
LMCS-Pen-2	PCB-179	0.79	7	6.73
UMCS-1205	PCB-179	1.33	7	6.73
US-FLO	PCB-179	3.07	7	6.73
US-FLO QA	PCB-179	4.24	7	6.73
US-WgnrM	PCB-179	0.65	7	6.73
LMCS-Pen-2	PCB-180	0.41	7	7.36
UMCS-1205	PCB-180	0.72	7	7.36
US-FLO	PCB-180	0.79	7	7.36
US-FLO QA	PCB-180	0.84	7	7.36
US-WgnrM	PCB-180	0.21	7	7.36

Appendix F Lumbriculus Bioassays- Table F.1: *Lumbriculus* PCB-Congener specific BSAFs by location and congener.

Sample_ID	PCB Number	BSAF	Chlorination Level	Log Kow
LMCS-Pen-2	PCB-183	0.95	7	7.2
UMCS-1205	PCB-183	1.66	7	7.2
US-FLO QA	PCB-183	2.98	7	7.2
US-WgnrM	PCB-183	0.56	7	7.2
LMCS-Pen-2	PCB-187	2.24	7	7.17
UMCS-1205	PCB-187	4.09	7	7.17
US-FLO	PCB-187	6.57	7	7.17
US-FLO QA	PCB-187	8.79	7	7.17
US-WgnrM	PCB-187	1.51	7	7.17
US-WgnrM	PCB-189	0.49	7	7.71
LMCS-Pen-2	PCB-190	0.76	7	7.46
UMCS-1205	PCB-190	1.68	7	7.46
US-FLO QA	PCB-190	2.66	7	7.46
US-WgnrM	PCB-190	0.43	7	7.46
LMCS-Pen-2	PCB-191	0.76	7	7.55
US-WgnrM	PCB-191	0.47	7	7.55
LMCS-Pen-2	PCB-194	0.56	8	7.8
UMCS-1205	PCB-194	0.59	8	7.8
US-FLO	PCB-194	1.36	8	7.8
US-FLO QA	PCB-194	1.41	8	7.8
US-WgnrM	PCB-194	0.33	8	7.8
LMCS-Pen-2	PCB-195	0.62	8	7.56
US-FLO	PCB-195	2.47	8	7.56
US-WgnrM	PCB-195	0.42	8	7.56
LMCS-Pen-2	PCB-196	0.32	8	7.65
UMCS-1205	PCB-196	0.41	8	7.65
US-FLO	PCB-196	0.75	8	7.65
US-FLO QA	PCB-196	0.82	8	7.65
US-WgnrM	PCB-196	0.21	8	7.65
US-WgnrM	PCB-197	0.43	8	7.3
LMCS-Pen-2	PCB-198	0.67	8	7.62
UMCS-1205	PCB-198	0.96	8	7.62
US-FLO	PCB-198	2.48	8	7.62
US-FLO QA	PCB-198	2.75	8	7.62
US-WgnrM	PCB-198	0.53	8	7.62
LMCS-Pen-2	PCB-201	0.64	8	7.62
US-FLO	PCB-201	2.02	8	7.62
US-FLO QA	PCB-201	3.26	8	7.62
US-WgnrM	PCB-201	0.47	8	7.62
LMCS-Pen-2	PCB-202	0.83	8	7.24
UMCS-1205	PCB-202	0.92	8	7.24
US-FLO	PCB-202	2.93	8	7.24
US-WgnrM	PCB-202	0.64	8	7.24
LMCS-Pen-2	PCB-203	0.66	8	7.65
UMCS-1205	PCB-203	0.75	8	7.65
US-FLO	PCB-203	2.07	8	7.65
US-FLO QA	PCB-203	2.34	8	7.65
US-WgnrM	PCB-203	0.53	8	7.65
LMCS-Pen-2	PCB-206	0.40	9	8.09
UMCS-1205	PCB-206	0.37	9	8.09

Appendix F Lumbriculus Bioassays- Table F.1: *Lumbriculus* PCB-Congener specific BSAFs by location and congener.

Sample_ID	PCB Number	BSAF	Chlorination Level	Log Kow
US-FLO	PCB-206	1.12	9	8.09
US-FLO QA	PCB-206	1.90	9	8.09
US-WgnrM	PCB-206	0.31	9	8.09
US-WgnrM	PCB-207	0.40	9	7.74
UMCS-1205	PCB-208	0.49	9	7.71
US-FLO	PCB-208	1.53	9	7.71
US-FLO QA	PCB-208	2.82	9	7.71
US-WgnrM	PCB-208	0.46	9	7.71
LMCS-Pen-2	PCB-209	0.31	10	8.18
UMCS-1205	PCB-209	0.28	10	8.18
US-FLO QA	PCB-209	2.22	10	8.18
US-WgnrM	PCB-209	0.37	10	8.18
LMCS-Pen-2	Total PCB (Aroclor 1254)	4.36	NA	NA
UMCS-1205	Total PCB (Aroclor 1254)	4.06	NA	NA
US-WgnrM	Total PCB (Aroclor 1254)	3.15	NA	NA
LMCS-Pen-2	Total PCB (Congener Sum)	0.73	NA	NA
UMCS-1205	Total PCB (Congener Sum)	1.12	NA	NA
US-FLO	Total PCB (Congener Sum)	2.98	NA	NA
US-FLO QA	Total PCB (Congener Sum)	3.14	NA	NA
US-WgnrM	Total PCB (Congener Sum)	0.64	NA	NA

N/A - Not Applicable - Arclor and Sums are complex mixtures

Appendix F Lumbriculus Bioassays-Table F.2 Lumbriculus Pesticide specific BSAFs by location.

Sample Location	CAS Number	Parameter	BSAF
LMCS-PEN2	53-19-0	2,4'-DDD	0.97
UMCS-1205	53-19-0	2,4'-DDD	1.11
US-FLO	53-19-0	2,4'-DDD	1.59
US-WGNRM	53-19-0	2,4'-DDD	0.97
LMCS-PEN2	3424-82-6	2,4'-DDE	1.29
UMCS-1205	3424-82-6	2,4'-DDE	1.65
US-FLO	3424-82-6	2,4'-DDE	2.92
US-WGNRM	3424-82-6	2,4'-DDE	1.24
UMCS-1205	789-02-6	2,4'-DDT	0.10
LMCS-PEN2	72-54-8	4,4'-DDD	1.07
UMCS-1205	72-54-8	4,4'-DDD	1.35
US-FLO	72-54-8	4,4'-DDD	1.82
US-WGNRM	72-54-8	4,4'-DDD	1.06
LMCS-PEN2	72-55-9	4,4'-DDE	1.75
UMCS-1205	72-55-9	4,4'-DDE	2.03
US-FLO	72-55-9	4,4'-DDE	4.52
US-WGNRM	72-55-9	4,4'-DDE	1.61
LMCS-PEN2	309-00-2	Aldrin	2.09
UMCS-1205	309-00-2	Aldrin	3.62
US-FLO	309-00-2	Aldrin	5.55
US-WGNRM	309-00-2	Aldrin	2.78
LMCS-PEN2	319-84-6	alpha-BHC	1.36
UMCS-1205	319-84-6	alpha-BHC	2.96
US-FLO	319-84-6	alpha-BHC	2.13
US-WGNRM	319-84-6	alpha-BHC	1.20
US-WGNRM	319-85-7	beta-BHC	0.30
LMCS-PEN2	5103-71-9	cis-Chlordane (alpha)	1.14
UMCS-1205	5103-71-9	cis-Chlordane (alpha)	1.26
US-FLO	5103-71-9	cis-Chlordane (alpha)	3.07
US-WGNRM	5103-71-9	cis-Chlordane (alpha)	1.04
LMCS-PEN2	1024-57-3	cis-Heptachlor Epoxide	0.94
UMCS-1205	1024-57-3	cis-Heptachlor Epoxide	0.86
US-WGNRM	1024-57-3	cis-Heptachlor Epoxide	0.82
LMCS-PEN2	5103-73-1	cis-Nonachlor	1.01
UMCS-1205	5103-73-1	cis-Nonachlor	1.12
US-FLO	5103-73-1	cis-Nonachlor	1.90
US-WGNRM	5103-73-1	cis-Nonachlor	0.78
US-WGNRM	319-86-8	delta-BHC	0.84
LMCS-PEN2	60-57-1	Dieldrin	1.38
UMCS-1205	60-57-1	Dieldrin	1.49
US-FLO	60-57-1	Dieldrin	1.16
US-WGNRM	60-57-1	Dieldrin	1.23
UMCS-1205	959-98-8	Endosulfan I (alpha)	0.92
US-WGNRM	959-98-8	Endosulfan I (alpha)	0.48
LMCS-PEN2	33213-65-9	Endosulfan II (beta)	1.52
US-WGNRM	33213-65-9	Endosulfan II (beta)	0.83
LMCS-PEN2	1031-07-8	Endosulfan Sulfate	1.27
UMCS-1205	1031-07-8	Endosulfan Sulfate	1.63
US-FLO	1031-07-8	Endosulfan Sulfate	4.58
US-WGNRM	1031-07-8	Endosulfan Sulfate	1.12
UMCS-1205	118-74-1	Hexachlorobenzene	1.00

Appendix F Lumbriculus Bioassays-Table F.2 Lumbriculus Pesticide specific BSAFs by location.

Sample Location	CAS Number	Parameter	BSAF
US-FLO	118-74-1	Hexachlorobenzene	0.85
US-WGNRM	118-74-1	Hexachlorobenzene	0.81
LMCS-PEN2	87-68-3	Hexachlorobutadiene	0.21
UMCS-1205	87-68-3	Hexachlorobutadiene	1.69
US-FLO	87-68-3	Hexachlorobutadiene	0.62
US-WGNRM	87-68-3	Hexachlorobutadiene	0.76
LMCS-PEN2	58-89-9	Lindane (gamma-BHC)	106.97
UMCS-1205	58-89-9	Lindane (gamma-BHC)	101.58
US-FLO	58-89-9	Lindane (gamma-BHC)	82.64
US-WGNRM	58-89-9	Lindane (gamma-BHC)	55.12
UMCS-1205	2385-85-5	Mirex	0.85
UMCS-1205	27304-13-8	Oxychlordane	3.07
US-WGNRM	27304-13-8	Oxychlordane	1.01
LMCS-PEN2	5103-74-2	trans-Chlordane (gamma)	0.89
UMCS-1205	5103-74-2	trans-Chlordane (gamma)	0.94
US-FLO	5103-74-2	trans-Chlordane (gamma)	2.09
US-WGNRM	5103-74-2	trans-Chlordane (gamma)	0.83
LMCS-PEN2	39765-80-5	trans-Nonachlor	0.80
UMCS-1205	39765-80-5	trans-Nonachlor	0.90
US-FLO	39765-80-5	trans-Nonachlor	1.60
US-WGNRM	39765-80-5	trans-Nonachlor	0.76

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
LW3-STW2-CW10-WR96	stormwater	3	68.00	155.00	170.00	171.00	94.70	285.00	33.90	161.00	129.00	1.18	53.20	240.00
LW3-STW-CW30-WR96	stormwater	3	4.57	46.62	214.00	256.00	124.00	410.00	6.17	228.00	202.00	33.80	9.70	388.00
LW3-STW-CW40-WR96	stormwater	3	0.79	99.20	118.00	90.20	54.00	183.00	29.50	70.40	69.10	3.61	30.60	152.00
LW3-STW-GW10-WR96-D	stormwater	3	4.37	160.00	13.54	32.30	5.87	57.10	3.70	29.90	7.16	4.93	5.40	45.80
LW3-STW-GW10-WR96-T	stormwater	3	4.37	94.10	101.00	101.00	53.70	176.00	36.30	63.80	68.00	5.52	5.97	142.00
LW3-W3033-2-NB-C	surface water fro	3	6.97	20.50	0.38	2.29	3.01	5.97	4.15	6.54	2.45	0.60	1.44	5.94
LW3-W3033-2-NB-F	surface water fro	3	0.90	4.15	0.23	0.36	0.46	0.91	0.16	1.42	0.41	0.16	0.32	1.03
LW3-W3033-2-NS-C	surface water fro	3	6.60	34.70	0.38	2.40	2.94	5.63	4.18	6.68	2.34	0.57	1.34	5.82
LW3-W3033-2-NS-F	surface water fro	3	0.90	2.90	0.23	0.36	0.60	0.91	0.30	1.42	0.41	0.16	0.32	1.03
LW3-W3033-NB-C	surface water fro	3	6.31	21.60	1.79	2.51	2.81	5.64	4.14	5.96	2.05	0.56	1.30	5.32
LW3-W3033-NB-F	surface water fro	3	0.90	3.84	0.23	0.36	0.46	0.91	0.40	1.42	0.41	0.16	0.32	1.03
LW3-W3033-NS-C	surface water fro	3	6.35	22.80	1.87	2.37	2.77	5.45	4.18	6.15	2.06	0.60	1.34	5.54
LW3-W3033-NS-F	surface water fro	3	0.90	4.37	0.23	0.36	0.33	0.91	0.33	1.42	0.41	0.16	0.32	1.36
060403-FIL-1	Surface Water	3	0.06	3.42	0.04	0.05	0.01	0.04	0.00	0.29	0.08	0.02	0.05	0.21
060403-XAD-1	Surface Water	3	0.20	46.00	0.32	0.30	0.26	0.68	0.13	0.74	0.28	0.07	0.14	0.59
060404-FIL-2	Surface Water	3	0.06	4.19	0.04	0.05	0.00	0.04	0.00	0.28	0.08	0.00	0.05	0.19
060404-XAD-2	Surface Water	3	0.09	48.20	0.05	0.25	0.22	0.57	0.11	0.70	0.26	0.05	0.12	0.58
070910-SPMD1A	Surface Water	3	565.00	42100.00	1510.00	1460.00	1490.00	2810.00	321.00	5980.00	2310.00	424.00	1020.00	4850.00
070910-SPMD1B	Surface Water	3	662.00	56800.00	1550.00	1520.00	1580.00	3000.00	323.00	5620.00	2190.00	409.00	952.00	4520.00
070910-SPMD2A	Surface Water	3	846.00	98500.00	1630.00	1450.00	1580.00	2850.00	435.00	5860.00	2080.00	433.00	997.00	4700.00
070910-SPMD2B	Surface Water	3	861.00	76500.00	1610.00	1720.00	1850.00	3550.00	410.00	6420.00	2190.00	479.00	1130.00	5330.00
070910-SPMD3A	Surface Water	3	1100.00	95600.00	1700.00	2020.00	2070.00	4090.00	505.00	7200.00	2490.00	528.00	1280.00	5980.00
070910-SPMD3B	Surface Water	3	897.00	82600.00	1490.00	1700.00	1760.00	3430.00	426.00	5770.00	2000.00	423.00	999.00	4740.00
071022-SPMD1A	Surface Water	3	1370.00	35100.00	2360.00	2770.00	2960.00	5760.00	664.00	8810.00	3130.00	685.00	1710.00	7760.00
071022-SPMD1B	Surface Water	3	965.00	31700.00	1630.00	1770.00	1730.00	3350.00	484.00	5770.00	2120.00	437.00	1070.00	4830.00
071022-SPMD2A	Surface Water	3	752.00	32100.00	1300.00	1210.00	1270.00	2380.00	388.00	4300.00	1560.00	338.00	793.00	3600.00
071022-SPMD2B	Surface Water	3	697.00	33300.00	1290.00	1200.00	1290.00	2390.00	371.00	4380.00	1580.00	357.00	821.00	3660.00
071022-SPMD3A	Surface Water	3	888.00	54100.00	1510.00	1460.00	1570.00	3040.00	400.00	5060.00	1760.00	365.00	916.00	4200.00
071022-SPMD3B	Surface Water	3	865.00	49800.00	1520.00	1450.00	1590.00	3040.00	403.00	5170.00	1850.00	377.00	910.00	4290.00
071102-SPMD1A	Surface Water	3	738.00	31400.00	1310.00	1200.00	1210.00	2340.00	347.00	4320.00	1650.00	319.00	776.00	3580.00
071102-SPMD1B	Surface Water	3	650.00	23100.00	1060.00	877.00	921.00	1720.00	275.00	3340.00	1260.00	245.00	584.00	2750.00
071102-SPMD2A	Surface Water	3	478.00	36600.00	1080.00	953.00	1040.00	1890.00	257.00	3730.00	1370.00	275.00	627.00	3010.00
071102-SPMD2B	Surface Water	3	522.00	29100.00	954.00	876.00	917.00	1680.00	275.00	3350.00	1270.00	260.00	578.00	2740.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
071102-SPMD3A	Surface Water	3	733.00	60600.00	1370.00	1230.00	1370.00	2570.00	328.00	4840.00	1710.00	340.00	823.00	4000.00
071102-SPMD3B	Surface Water	3	634.00	58800.00	1230.00	1170.00	1250.00	2310.00	293.00	4470.00	1690.00	337.00	847.00	3690.00
08021252XAD	Surface Water	3	0.37	83.50	0.65	0.26	0.24	0.59	0.10	0.67	0.25	0.05	0.11	0.53
08021252XAD-FIL	Surface Water	3	0.06	4.12	0.04	0.00	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.00
08021354XAD	Surface Water	3	0.42	82.40	0.53	0.28	0.25	0.64	0.10	0.66	0.24	0.04	0.12	0.56
08021354XAD-FIL	Surface Water	3	0.06	7.16	0.04	0.01	0.11	0.04	0.31	0.22	0.07	0.03	0.04	0.15
08022156XAD	Surface Water	3	0.50	125.00	0.07	0.29	0.29	0.67	0.11	0.72	0.27	0.04	0.13	0.61
08022156XAD-FIL	Surface Water	3	0.06	9.18	0.14	0.07	0.07	0.04	0.00	0.45	0.16	0.03	0.06	0.36
08022453XAD	Surface Water	3	0.41	137.00	0.74	0.29	0.27	0.64	0.10	0.74	0.27	0.05	0.13	0.63
08022453XAD-FIL	Surface Water	3	0.06	10.80	0.04	0.00	0.10	0.04	0.21	0.26	0.08	0.03	0.05	0.18
08022555XAD	Surface Water	3	0.43	139.00	0.59	0.30	0.26	0.65	0.10	0.75	0.29	0.05	0.13	0.61
08022555XAD-FIL	Surface Water	3	0.06	9.26	0.04	0.00	0.01	0.04	0.00	0.20	0.07	0.00	0.00	0.16
08022757XAD	Surface Water	3	0.36	140.00	0.26	0.29	0.24	0.60	0.09	0.66	0.28	0.05	0.12	0.56
08022757XAD-FIL	Surface Water	3	0.02	13.30	0.04	0.00	0.00	0.04	0.00	0.20	0.07	0.00	0.00	0.15
08022959XAD	Surface Water	3	0.63	133.00	0.84	0.35	0.30	0.76	0.14	0.75	0.27	0.05	0.14	0.62
08022959XAD-FIL	Surface Water	3	0.02	9.81	0.04	0.00	0.01	0.04	0.00	0.20	0.07	0.00	0.00	0.00
08030460XAD	Surface Water	3	0.55	130.00	0.54	0.32	0.28	0.73	0.12	0.74	0.29	0.05	0.13	0.61
08030460XAD-FIL	Surface Water	3	0.06	11.30	0.04	0.01	0.01	0.04	0.00	0.24	0.09	0.02	0.00	0.18
08030661XAD	Surface Water	3	0.39	107.00	0.74	0.30	0.24	0.66	0.09	0.73	0.28	0.04	0.12	0.59
08030661XAD-FIL	Surface Water	3	0.14	8.97	0.04	0.00	0.01	0.04	0.01	0.29	0.12	0.02	0.04	0.22
08030758XAD	Surface Water	3	0.39	91.60	0.76	0.29	0.25	0.65	0.09	1.02	0.27	0.05	0.12	0.61
08030758XAD-FIL	Surface Water	3	0.14	7.85	0.04	0.00	0.01	0.04	0.01	0.21	0.08	0.00	0.00	0.16
ACOE-BAIT	Bait (used in tra	1	2.46	6.55	1.57	1.38	1.78	3.63	0.47	4.96	1.21	0.25	0.81	3.36
P01-CF	Crayfish	1	0.23	50.10	1.98	0.53	0.51	3.80	0.11	6.03	0.54	0.09	0.70	5.62
P04-CF	Crayfish	1	0.23	30.20	1.35	0.37	0.54	3.80	0.14	5.53	0.57	0.18	0.73	7.81
P04-Clam	Clam Tissue	1	100.00	8810.00	25.70	127.00	208.00	346.00	24.80	142.00	159.00	33.90	34.00	83.60
P04-Sed	Sediment	2	7.11	79.50	6.40	1.71	12.10	12.00	4.73	52.90	7.70	20.90	32.70	36.70
P05-CF	Crayfish	1	2.29	36.90	3.55	0.41	1.11	3.80	0.85	3.24	0.49	0.26	1.22	7.81
P05-Clam	Clam Tissue	1	93.70	7750.00	23.00	77.30	105.00	193.00	13.80	97.10	107.00	12.60	18.70	61.30
P05-Sed	Sediment	2	0.78	11.90	0.68	0.16	0.80	1.23	0.52	1.30	0.32	0.63	0.78	0.97
P06-CF	Crayfish	1	0.92	75.90	2.50	0.66	0.81	3.80	0.14	3.00	0.70	0.17	0.58	7.81
P06-Clam	Clam Tissue	1	227.00	9620.00	25.70	97.00	159.00	235.00	40.90	115.00	117.00	15.40	23.80	76.20
P06-Sed	Sediment	2	1.39	32.10	1.02	0.41	1.25	1.52	0.72	2.94	0.70	0.41	0.68	2.49

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
P07-CF	Crayfish	1	0.25	16.40	2.44	0.37	0.50	3.80	0.14	4.72	0.50	0.12	0.59	5.41
P07-Clam	Clam Tissue	1	59.50	6810.00	18.50	63.80	85.90	144.00	14.30	80.20	84.10	9.37	15.90	47.10
P07-Sed	Sediment	2	1.46	42.60	1.67	0.67	2.28	2.74	0.99	5.68	1.29	0.61	0.97	4.32
P08-CF	Crayfish	1	0.23	31.00	1.35	0.33	0.31	3.80	0.10	4.72	0.37	0.08	0.52	7.49
P08-Clam	Clam Tissue	1	39.80	8370.00	22.90	62.40	64.10	131.00	8.00	86.10	90.50	7.96	15.60	51.40
P08-Sed	Sediment	2	0.63	52.60	2.01	0.46	1.14	1.55	0.36	5.61	1.45	0.45	0.72	3.62
P09-Sed	Sediment	2	0.99	68.80	2.76	0.94	2.44	3.07	0.88	10.10	2.42	0.83	1.39	6.58
P100-CF	Crayfish	1	0.37	58.00	1.24	0.41	0.45	3.80	0.12	2.60	0.43	0.10	0.38	7.49
P10-Clam	Clam Tissue	1	32.80	5260.00	27.40	52.70	47.40	110.00	6.35	62.10	70.10	5.64	11.10	35.60
P10-Sed	Sediment	2	0.57	84.40	3.26	0.81	2.67	2.33	0.39	13.20	2.37	0.94	1.39	5.89
P110-CF	Crayfish	1	1.35	19.80	1.78	0.29	0.30	3.80	0.66	2.23	0.57	0.12	0.35	1.09
P110-Clam	Clam Tissue	1	36.80	4480.00	36.90	53.70	49.70	116.00	9.19	110.00	102.00	10.10	21.00	76.20
P110-Sed	Sediment	2	0.86	91.80	5.52	1.85	1.93	4.40	0.40	15.20	4.60	0.81	1.70	9.39
P110-SP	Sculpin	1	3.87	34.10	1.05	8.56	17.80	37.60	1.26	155.00	23.10	2.42	14.20	38.00
P111-Sed	Sediment	2	0.86	101.00	7.13	1.77	2.00	4.40	0.39	17.10	5.08	0.94	1.88	10.50
P11-Clam	Clam Tissue	1	36.80	6580.00	26.30	58.00	50.70	121.00	7.40	77.60	84.00	6.52	14.40	48.10
P11-Sed	Sediment	2	2.24	86.80	4.26	5.69	5.25	11.20	1.56	20.70	7.51	1.36	3.07	15.50
P13-CF	Crayfish	1	0.05	12.00	0.93	0.17	0.14	3.80	0.07	4.72	0.32	0.14	0.31	7.49
P13-Clam	Clam Tissue	1	42.90	7780.00	16.20	89.60	80.60	195.00	7.78	102.00	109.00	9.05	18.30	58.60
P13-Sed	Sediment	2	0.82	110.00	2.75	1.19	1.20	3.53	0.23	7.12	2.53	0.40	0.95	5.00
P14-CF	Crayfish	1	0.05	16.70	0.83	0.32	0.34	3.80	0.14	4.72	0.40	0.06	0.31	7.49
P14-Clam	Clam Tissue	1	44.60	7370.00	15.30	86.30	76.30	188.00	8.22	104.00	109.00	8.79	18.20	60.70
P14-Sed	Sediment	2	0.20	20.90	0.77	0.19	0.17	0.40	0.06	1.57	0.45	0.08	0.15	0.93
P15-CF	Crayfish	1	0.23	32.30	3.11	0.37	0.34	3.80	0.05	6.03	0.56	0.12	0.73	7.81
P15-Clam	Clam Tissue	1	36.60	6630.00	20.10	60.90	52.30	123.00	7.74	79.40	80.30	6.53	14.10	47.60
P15-Sed	Sediment	2	0.97	118.00	2.83	1.99	2.18	4.79	0.40	10.70	3.83	0.60	1.28	7.18
P16-CF	Crayfish	1	0.23	56.40	0.12	0.38	0.39	2.55	0.14	4.72	0.36	0.10	0.73	7.49
P16-Clam	Clam Tissue	1	36.20	6220.00	23.30	62.00	51.90	127.00	6.67	74.70	77.80	6.13	13.40	42.70
P16-Sed	Sediment	2	0.89	92.20	4.36	2.09	2.47	4.66	0.56	13.20	3.99	0.86	1.73	8.59
P17-CF	Crayfish	1	0.23	37.90	1.02	0.41	0.49	3.80	0.07	4.72	0.79	0.09	0.55	5.41
P17-Clam	Clam Tissue	1	33.10	6080.00	16.40	63.70	53.10	127.00	6.71	75.50	82.40	6.55	13.40	45.10
P17-Sed	Sediment	2	0.46	65.20	2.33	0.82	0.97	2.04	0.26	8.21	2.70	0.44	0.92	5.58
P18-CF	Crayfish	1	0.10	41.90	1.15	0.28	0.31	3.80	0.07	4.72	0.49	0.32	0.66	7.49

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
P18-Clam	Clam Tissue	1	37.10	6840.00	17.30	66.00	55.30	132.00	7.63	77.80	86.60	6.53	14.40	48.40
P18-Sed	Sediment	2	0.47	71.50	1.75	0.76	0.76	1.96	0.20	5.31	1.89	0.25	0.50	3.50
P19-CF	Crayfish	1	0.23	49.40	1.73	0.40	0.27	3.80	0.14	5.00	0.39	0.12	0.70	7.49
P20-CF	Crayfish	1	0.23	48.20	1.57	0.52	0.52	3.80	0.10	3.10	0.59	0.11	0.70	7.81
P21-CF	Crayfish	1	0.11	49.70	4.50	0.41	0.36	3.80	0.14	5.27	0.52	0.22	0.95	7.81
P21-Clam	Clam Tissue	1	38.90	6470.00	20.40	68.70	54.00	133.00	6.96	69.80	76.30	5.80	13.00	39.30
P21-Sed	Sediment	2	0.39	71.10	2.70	0.52	0.65	1.42	0.16	5.49	1.58	0.25	0.53	3.35
P22-CF	Crayfish	1	0.07	15.10	0.09	0.23	0.19	3.80	0.05	4.72	0.26	0.08	0.09	7.49
P22-Clam	Clam Tissue	1	37.70	8040.00	12.80	84.70	64.40	164.00	7.95	83.80	93.10	7.56	16.70	49.20
P22-Sed	Sediment	2	0.29	57.00	1.52	0.55	0.57	1.31	0.13	4.43	1.37	0.20	0.46	2.82
P24-Clam	Clam Tissue	1	35.80	6830.00	15.00	90.00	68.00	174.00	6.96	81.90	91.30	7.13	15.30	46.80
P24-Sed	Sediment	2	0.35	68.00	1.59	0.62	0.60	1.39	0.16	4.15	1.38	0.20	0.44	2.65
P26-Clam	Clam Tissue	1	31.80	7970.00	8.81	88.00	73.80	184.00	8.48	99.20	105.00	8.64	18.40	60.30
P26-Sed	Sediment	2	0.30	57.60	1.12	0.54	0.46	1.10	0.13	2.70	0.91	0.14	0.34	1.77
P27-Clam	Clam Tissue	1	33.30	8520.00	11.00	88.40	78.30	193.00	8.54	101.00	103.00	8.61	18.20	60.40
P27-Sed	Sediment	2	1.19	205.00	2.59	2.43	1.60	4.70	0.26	5.93	2.94	0.30	0.74	3.47
P28-Clam	Clam Tissue	1	40.30	7030.00	14.80	99.20	74.10	192.00	7.71	86.00	101.00	7.50	16.30	46.90
P28-Sed	Sediment	2	0.28	66.40	1.83	0.51	0.53	1.17	0.11	4.86	1.48	0.21	0.47	3.01
P29-Clam	Clam Tissue	1	126.00	6960.00	19.80	187.00	165.00	406.00	18.20	154.00	170.00	15.30	35.00	95.40
P29-Sed	Sediment	2	0.93	70.50	5.29	2.08	2.57	5.01	0.35	16.10	5.44	0.93	2.02	11.50
P33-CF	Crayfish	1	0.45	35.80	1.87	0.50	0.61	3.80	0.11	3.94	0.69	0.18	0.46	7.81
P34-Clam	Clam Tissue	1	142.00	6720.00	21.80	208.00	197.00	457.00	19.20	163.00	191.00	17.00	37.50	100.00
P34-Sed	Sediment	2	1.22	83.00	5.42	2.19	2.64	5.11	0.46	15.50	4.93	0.88	1.83	10.90
P35-Clam	Clam Tissue	1	95.40	8190.00	19.70	147.00	142.00	315.00	15.60	147.00	149.00	13.80	31.90	103.00
P35-Sed	Sediment	2	0.40	65.00	1.99	0.62	0.80	1.57	0.14	5.51	1.65	0.26	0.55	3.32
P36-Clam	Clam Tissue	1	95.00	8770.00	23.80	133.00	133.00	310.00	15.60	161.00	165.00	14.50	31.10	103.00
P36-Sed	Sediment	2	0.49	69.40	2.26	0.88	0.96	2.17	0.20	6.11	2.00	0.29	0.66	3.87
P37-Clam	Clam Tissue	1	93.80	7370.00	20.30	127.00	122.00	300.00	15.20	163.00	162.00	14.20	30.90	95.80
P37-Sed	Sediment	2	0.41	68.30	2.54	0.69	0.81	1.76	0.26	6.40	1.93	0.31	0.74	4.24
P38/42-CF	Crayfish	1	0.24	64.30	2.12	0.49	0.58	3.80	0.14	4.70	0.64	0.07	0.54	7.81
P38-Clam	Clam Tissue	1	80.30	7100.00	30.40	111.00	106.00	252.00	13.40	138.00	138.00	11.90	26.80	83.00
P38-Sed	Sediment	2	1.02	135.00	1.98	1.64	1.29	3.60	0.19	5.01	2.16	0.27	0.66	3.09
P39-Clam	Clam Tissue	1	77.00	8990.00	35.60	111.00	104.00	252.00	13.00	133.00	141.00	11.70	25.30	83.20

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
P39-Sed	Sediment	2	0.27	51.10	1.55	0.16	0.34	0.41	0.07	2.90	0.89	0.17	0.32	1.81
P40-Clam	Clam Tissue	1	79.20	8260.00	35.10	107.00	103.00	242.00	12.90	128.00	135.00	12.10	25.20	83.90
P40-Sed	Sediment	2	0.63	100.00	1.91	0.82	0.75	1.97	0.18	4.11	1.64	0.25	0.47	2.42
P41-Clam	Clam Tissue	1	70.60	8070.00	21.80	105.00	98.90	236.00	11.70	122.00	131.00	11.20	23.60	78.40
P41-Sed	Sediment	2	0.51	56.10	1.74	0.50	0.47	1.16	0.14	3.23	1.16	0.16	0.39	1.90
P42-Clam	Clam Tissue	1	54.10	7380.00	20.10	85.40	75.90	186.00	9.16	101.00	109.00	9.22	18.70	64.10
P42-Sed	Sediment	2	0.30	32.10	0.92	0.19	0.35	0.41	0.11	1.97	0.67	0.11	0.24	1.17
P46-Sed	Sediment	2	0.47	18.10	0.55	0.20	0.20	0.42	0.16	1.01	0.37	0.08	0.15	0.68
P47-Sed	Sediment	2	0.43	27.20	1.15	0.50	0.61	1.08	0.18	2.43	0.80	0.15	0.33	1.72
P48-Sed	Sediment	2	0.50	27.70	1.51	0.35	0.36	0.98	0.21	2.80	1.02	0.14	0.37	1.77
P49-Sed	Sediment	2	2.31	25.90	4.98	1.00	1.25	2.51	2.66	9.28	3.07	0.57	1.30	7.67
P50-Sed	Sediment	2	0.74	52.40	3.36	1.91	1.91	4.34	0.44	11.40	3.57	0.65	1.39	7.66
P51-Sed	Sediment	2	0.50	32.90	0.69	0.40	0.39	0.83	0.18	1.80	0.60	0.11	0.22	1.25
P65-Clam	Clam Tissue	1	46.30	8450.00	18.70	96.80	81.10	195.00	8.42	99.80	105.00	9.06	19.20	61.30
P65-Sed	Sediment	2	0.29	48.50	1.74	0.47	0.48	1.10	0.10	4.17	1.21	0.20	0.44	2.46
P67-Sed	Sediment	2	0.11	10.50	0.35	0.13	0.13	0.27	0.05	0.91	0.39	0.37	0.12	0.33
P72-CF	Crayfish	1	0.13	57.00	1.35	0.28	0.32	3.80	0.13	4.72	0.34	0.08	0.27	7.49
P73-CF	Crayfish	1	0.43	40.00	1.24	0.26	0.28	3.80	0.14	4.72	0.34	0.17	0.27	7.49
P74-CF	Crayfish	1	0.31	30.90	0.89	0.30	0.22	3.80	0.14	2.54	0.30	0.08	0.21	7.49
P75-CF	Crayfish	1	0.21	50.50	0.14	0.52	0.41	2.55	0.22	2.43	0.60	0.28	0.27	7.49
P76-CF	Crayfish	1	0.32	40.50	0.78	0.25	0.38	3.80	0.08	4.72	0.29	0.08	0.23	7.49
P78-CF	Crayfish	1	0.63	42.90	0.90	0.37	0.52	5.20	0.15	4.72	0.47	0.11	0.31	7.81
P79-CF	Crayfish	1	0.54	71.10	1.41	0.35	0.52	3.80	0.14	2.59	0.37	0.10	0.50	7.81
P82-CF	Crayfish	1	0.34	60.00	1.35	0.41	0.37	5.20	0.10	4.47	0.41	0.41	0.36	10.10
P85-Clam	Clam Tissue	1	37.10	7720.00	30.80	75.70	67.80	159.00	7.22	94.50	104.00	8.62	16.80	59.00
P85-Sed	Sediment	2	0.66	131.00	1.86	1.04	0.98	2.52	0.23	5.85	2.15	0.32	0.72	3.85
P86-Clam	Clam Tissue	1	38.40	6790.00	32.80	74.40	65.80	156.00	7.21	81.90	98.50	7.68	15.30	50.60
P86-Sed	Sediment	2	0.34	46.60	1.41	0.46	0.51	1.11	0.15	3.52	1.04	0.18	0.42	2.23
P87-Clam	Clam Tissue	1	38.90	7180.00	17.80	72.00	59.30	151.00	7.72	80.30	93.20	7.61	15.60	49.20
P87-Sed	Sediment	2	0.32	49.10	1.56	0.71	0.65	1.49	0.18	4.13	1.32	0.22	0.50	2.76
P88-Clam	Clam Tissue	1	39.30	8120.00	14.20	81.90	69.70	164.00	8.38	89.20	97.90	8.33	17.10	55.40
P88-Sed	Sediment	2	0.28	35.10	0.88	0.40	0.39	0.87	0.14	1.86	0.68	0.11	0.23	1.16
P89-Clam	Clam Tissue	1	34.70	7760.00	13.50	71.10	62.40	146.00	8.24	86.60	87.70	7.62	16.70	57.40

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
P89-Sed	Sediment	2	0.27	19.90	0.66	0.33	0.29	0.62	0.18	1.31	0.48	0.09	0.16	0.84
P90-CF	Crayfish	1	0.30	25.90	0.53	0.26	0.36	3.80	0.08	2.65	0.38	0.07	0.20	7.49
P91-CF	Crayfish	1	0.30	51.00	1.21	0.32	0.33	3.80	0.22	2.75	0.33	0.07	0.25	7.49
P92-CF	Crayfish	1	0.30	37.30	1.00	0.59	0.46	3.80	0.19	4.72	0.43	0.24	0.26	9.65
P94-CF	Crayfish	1	0.41	61.90	1.00	0.32	0.42	3.80	0.10	4.72	0.43	0.12	0.30	9.65
P98-CF	Crayfish	1	0.28	28.10	0.93	0.21	0.20	3.80	0.12	4.72	0.29	0.07	0.19	7.49
SB-01	Smallmouth Bas	1	1.62	9.35	1.25	4.05	6.52	13.90	1.42	66.10	12.40	2.36	7.60	32.30
SB-02	Smallmouth Bas	1	4.27	92.70	2.68	11.10	24.20	40.30	3.18	255.00	32.90	21.10	43.60	150.00
SB-03	Smallmouth Bas	1	2.03	11.50	1.31	5.60	10.10	19.40	1.65	132.00	13.20	4.53	13.20	46.40
SB-04	Smallmouth Bas	1	1.93	8.08	1.02	8.25	16.70	34.30	2.24	196.00	34.10	6.41	21.40	90.70
SB-05	Smallmouth Bas	1	1.53	25.40	0.81	6.42	10.20	21.90	1.74	99.90	19.20	3.86	10.50	55.60
SB-06	Smallmouth Bas	1	3.58	41.40	1.91	11.80	20.90	43.60	3.35	241.00	50.50	10.50	28.30	147.00
SB-07	Smallmouth Bas	1	5.78	130.00	3.49	19.10	39.40	59.70	9.56	235.00	57.00	10.70	27.80	118.00
SB-08	Smallmouth Bas	1	3.17	53.00	1.95	9.76	27.20	44.00	2.79	414.00	33.80	12.00	49.10	117.00
SB-09	Smallmouth Bas	1	3.09	57.20	1.85	10.20	16.40	34.10	2.77	149.00	28.60	4.48	15.60	79.50
SB-10	Smallmouth Bas	1	2.50	95.60	2.53	10.60	17.30	39.20	2.87	276.00	56.30	9.33	24.90	127.00
SB-11	Smallmouth Bas	1	8.16	136.00	14.10	39.50	317.00	825.00	8.54	5550.00	380.00	418.00	745.00	5070.00
SB-12	Smallmouth Bas	1	2.95	39.30	2.10	7.89	13.30	26.50	2.73	124.00	18.90	4.30	13.90	66.70
SB-13	Smallmouth Bas	1	3.76	67.50	2.18	12.20	53.10	69.50	4.50	452.00	43.20	11.80	61.20	162.00
SB-14	Smallmouth Bas	1	2.13	35.40	1.83	6.26	8.97	19.80	1.89	83.00	15.20	2.65	8.94	43.70
SB-15	Smallmouth Bas	1	1.79	28.40	1.30	5.82	9.45	20.00	1.71	90.80	16.80	3.11	9.60	47.80
SB-16	Smallmouth Bas	1	909.00	230.00	1570.00	7050.00	14300.00	23000.00	1290.00	76900.00	23500.00	4840.00	11100.00	59700.00
SB-17	Smallmouth Bas	1	11.50	404.00	282.00	7.21	1360.00	3090.00	23.00	16100.00	856.00	1140.00	2340.00	12200.00
SB-18	Smallmouth Bas	1	2.21	495.00	112.00	10.10	37.90	130.00	2.66	1210.00	45.50	125.00	279.00	837.00
SB-19	Smallmouth Bas	1	1.77	562.00	9.51	5.61	7.65	19.10	1.65	112.00	15.20	3.31	10.60	47.10
SF-01	Sculpin	1	1.03	211.00	1.16	3.94	6.55	15.60	0.44	68.00	9.74	1.53	7.77	29.80
SF-02	Sculpin	1	1.22	191.00	1.19	3.64	5.96	15.10	0.50	60.60	8.99	1.32	6.49	23.00
SF-04	Sculpin	1	1.01	90.50	0.62	2.63	14.60	65.20	0.49	283.00	14.60	5.51	31.40	243.00
SF-05	Sculpin	1	1.78	124.00	0.85	5.38	14.80	25.90	1.01	122.00	13.30	2.62	12.40	37.40
SF-06	Sculpin	1	2.94	450.00	2.93	11.50	36.30	60.10	1.76	280.00	48.10	10.50	38.80	170.00
SF-07	Sculpin	1	1.27	128.00	0.78	4.02	7.31	16.50	0.56	89.00	11.20	1.75	9.60	36.80
SF-08	Sculpin	1	1.10	213.00	1.51	4.16	8.49	18.80	0.46	97.60	13.10	1.90	10.50	40.50
SF-09	Sculpin	1	1.36	152.00	0.92	3.47	5.65	12.60	0.53	66.20	9.07	1.31	6.89	26.70

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
SF-10	Sculpin	1	1.84	132.00	1.19	5.68	9.32	20.50	0.75	99.70	14.80	2.45	11.50	50.60
SF-11	Sculpin	1	1.01	179.00	1.16	2.70	4.84	11.90	0.42	66.30	7.21	1.13	6.60	22.30
SF-12	Sculpin	1	5.26	332.00	1.98	12.70	21.40	49.60	1.89	184.00	27.80	3.53	18.20	93.80
SF-13	Sculpin	1	2.43	114.00	0.73	4.24	5.96	15.20	0.74	66.40	6.41	0.87	6.67	35.40
SF-14	Sculpin	1	1.32	127.00	0.98	3.92	11.20	22.50	0.46	106.00	14.50	2.06	11.70	44.50
SF-15	Sculpin	1	0.99	138.00	1.41	0.94	1.84	4.69	0.27	44.90	3.51	0.58	3.79	15.20
SF-16	Sculpin	1	1.27	134.00	0.78	3.27	5.58	15.30	0.48	78.90	8.85	1.35	8.35	32.20
SF-17	Sculpin	1	1.70	133.00	1.15	6.22	13.70	29.90	0.62	226.00	23.20	3.63	18.80	88.90
SR-01	Sculpin	1	1.24	143.00	1.03	3.55	6.49	14.30	0.43	91.50	12.60	2.01	9.87	46.40
SR-02	Sculpin	1	1.41	149.00	1.25	5.85	9.45	21.80	0.74	99.40	15.10	2.30	12.10	39.60
SR-03	Sculpin	1	1.26	119.00	0.59	2.64	4.21	9.94	0.39	57.00	6.81	1.00	6.10	21.00
SR-04	Sculpin	1	2.03	140.00	0.90	4.06	7.34	17.90	0.63	112.00	16.20	2.90	12.80	57.70
SR-05	Sculpin	1	3.18	215.00	2.30	12.00	21.00	44.90	1.56	166.00	31.30	3.96	19.90	74.10
SR-06	Sculpin	1	1.81	112.00	0.98	4.91	6.38	16.00	0.92	68.50	7.54	1.03	6.79	33.20
SR-07	Sculpin	1	16.90	178.00	1.92	17.80	31.30	68.60	3.18	251.00	28.80	4.00	27.30	90.20
SR-08	Sculpin	1	2.10	135.00	1.03	4.60	11.30	21.00	0.57	138.00	18.40	2.80	14.50	65.60
SR-09	Sculpin	1	2.49	145.00	1.48	7.35	14.60	31.90	0.92	132.00	21.40	2.82	14.60	60.90
SR-10	Sculpin	1	4.05	188.00	2.11	10.40	16.60	35.40	1.90	137.00	25.60	3.63	16.30	65.10
SR-11	Sculpin	1	2.74	153.00	1.32	7.77	13.90	32.10	1.17	135.00	19.50	2.52	15.10	53.20
SR-12	Sculpin	1	1.50	204.00	1.20	4.10	8.35	18.10	0.55	120.00	16.60	2.79	14.20	56.50
SR-13	Sculpin	1	2.36	177.00	1.46	13.90	23.80	53.10	0.99	122.00	31.90	3.72	15.50	57.60
SR-14	Sculpin	1	2.46	183.00	1.10	7.31	12.90	28.10	1.03	142.00	23.50	3.39	16.40	70.60
SR-15	Sculpin	1	1.29	109.00	0.93	2.89	5.33	13.20	0.57	67.20	8.69	1.33	7.57	27.50
SR-16	Sculpin	1	1.88	177.00	1.15	6.85	9.92	23.70	0.67	76.90	15.40	2.14	9.32	38.70
SR-17	Sculpin	1	1.80	264.00	1.88	5.43	12.20	27.90	0.44	155.00	21.20	3.37	17.90	80.10
SR-18	Sculpin	1	1.94	139.00	1.41	6.97	11.40	26.30	1.05	117.00	16.80	2.69	13.90	55.90
SUCKER	Largescale Suck	1	13.20	456.00	7.07	68.50	97.30	164.00	12.10	514.00	164.00	16.30	43.90	248.00
LW3-W3035-NB-C	surface water fro	3	4.94	22.60	0.17	1.99	3.01	4.24	4.68	5.08	1.52	0.57	1.11	4.18
LW3-W3035-NB-F	surface water fro	3	0.90	3.77	0.36	0.50	0.46	0.91	0.51	1.42	0.55	0.20	0.32	1.53
LW3-W3035-NS-C	surface water fro	3	7.07	20.20	1.42	2.06	3.55	4.72	7.37	5.43	1.62	0.68	1.17	4.61
LW3-W3035-NS-F	surface water fro	3	0.90	2.90	0.23	0.36	0.46	0.91	0.35	1.42	0.41	0.16	0.32	1.03
SB-20	Smallmouth Bas	1	0.77	644.00	9.85	8.46	11.70	25.40	3.24	146.00	32.20	5.67	15.90	84.80
SB-21	Smallmouth Bas	1	5.78	519.00	5.92	9.14	11.50	23.80	2.31	145.00	25.60	5.17	14.80	74.60

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
SB-22	Smallmouth Bas	1	1.61	930.00	1.18	11.30	15.30	33.00	3.33	180.00	34.00	6.10	18.30	97.20
SB-23	Smallmouth Bas	1	3.09	748.00	1.95	10.30	10.90	25.80	2.16	120.00	30.40	2.00	12.50	73.20
SB-24	Smallmouth Bas	1	25.40	1070.00	17.80	113.00	297.00	458.00	65.40	1760.00	310.00	119.00	305.00	889.00
SB-25	Smallmouth Bas	1	9.49	438.00	3.04	40.50	80.30	158.00	8.89	740.00	151.00	30.40	92.40	409.00
SB-26	Smallmouth Bas	1	1.61	339.00	1.92	10.80	18.40	39.10	2.44	219.00	35.10	6.87	23.40	108.00
SB-27	Smallmouth Bas	1	9.61	342.00	4.92	31.00	86.00	131.00	6.14	1020.00	212.00	37.90	110.00	596.00
SB-28	Smallmouth Bas	1	3.81	377.00	2.91	13.30	19.30	43.80	3.23	215.00	51.00	7.91	23.60	125.00
SB-29	Smallmouth Bas	1	2.37	173.00	1.41	7.42	10.80	22.00	1.84	150.00	30.90	5.36	16.00	78.90
SB-30	Smallmouth Bas	1	3.55	320.00	3.45	22.50	52.30	96.00	3.46	666.00	115.00	18.30	80.00	338.00
SB-31	Smallmouth Bas	1	3.44	223.00	2.07	8.80	12.20	28.00	2.23	128.00	27.20	3.44	12.60	59.70
SB-32	Smallmouth Bas	1	3.34	206.00	3.50	9.25	12.90	26.00	2.62	173.00	39.30	7.01	18.70	94.40
SB-33	Smallmouth Bas	1	2.23	75.50	1.75	7.26	11.70	24.60	1.87	186.00	36.40	23.00	47.10	99.60
SB-34	Smallmouth Bas	1	3.63	475.00	3.19	11.40	15.70	34.60	2.88	175.00	42.80	9.40	22.30	101.00
SB-35	Smallmouth Bas	1	3.48	117.00	1.90	9.53	13.80	30.10	2.37	169.00	33.80	7.34	19.30	82.50
SB-36	Smallmouth Bas	1	4.84	416.00	4.86	12.80	18.70	40.30	3.26	193.00	46.50	9.70	23.30	110.00
SB-37	Smallmouth Bas	1	3.90	298.00	3.21	12.50	16.30	35.90	2.76	164.00	38.90	6.17	18.40	84.50
SB-38	Smallmouth Bas	1	2.68	117.00	2.39	10.00	14.20	29.10	2.44	139.00	32.70	6.02	16.20	81.70
LW3-STW-CW10-WR14	stormwater	3	4.37	822.00	13.54	39.40	2.05	56.30	1.09	8.77	2.50	1.18	1.72	48.00
LW3-STW-CW30-WR14	stormwater	3	1.51	458.00	6.83	3.95	3.10	5.12	2.42	3.58	3.78	3.61	2.93	4.39
LW3-STW-CW40-WR14	stormwater	3	21.42	1280.00	30.33	50.90	30.20	71.00	10.57	84.00	58.90	17.95	16.10	102.00
LW3-STW-CW10-OF18	stormwater	3	365.00	2200.00	938.00	2800.00	1180.00	3520.00	1160.00	1290.00	903.00	228.00	524.00	2620.00
LW3-STW-CW10-OF18-2	stormwater	3	172.00	625.00	452.00	1370.00	678.00	2060.00	336.00	561.00	493.00	124.00	292.00	1620.00
LW3-STW-CW10-OF19	stormwater	3	2.38	748.00	187.00	324.00	207.00	490.00	52.20	281.00	190.00	53.20	85.90	430.00
LW3-STW-CW10-OF19D	stormwater	3	4.37	517.00	151.00	274.00	160.00	384.00	42.30	227.00	140.00	39.00	61.80	362.00
LW3-STW-CW20-OF18	stormwater	3	152.00	413.00	503.00	1150.00	543.00	1720.00	280.00	305.00	337.00	79.90	219.00	1440.00
LW3-STW-CW30-OF18	stormwater	3	4.57	346.00	427.00	816.00	356.00	1060.00	175.00	269.00	308.00	73.80	189.00	934.00
LW3-STW-CW30-OF19	stormwater	3	5.92	706.00	622.00	1030.00	536.00	1450.00	149.00	533.00	430.00	122.00	232.00	1000.00
LW3-STW-CW40-OF19	stormwater	3	1.51	90.20	14.14	120.00	57.60	165.00	3.70	13.83	69.60	2.38	29.70	149.00
LW3-STW-CW40-OF19D	stormwater	3	16.62	89.90	14.14	153.00	78.90	206.00	28.70	16.82	74.50	10.25	38.70	195.00
LW3-STW-GW10-OF18-2-T	stormwater	3	4.37	51.10	62.10	161.00	67.70	232.00	60.10	33.00	38.30	8.99	5.40	143.00
LW3-STW-GW10-OF18-D	stormwater	3	10.83	43.32	23.61	37.20	5.87	67.00	6.82	3.58	3.78	5.52	2.93	30.00
LW3-STW-GW10-OF18-T	stormwater	3	4.37	81.30	17.42	194.00	87.90	298.00	70.40	49.20	52.90	5.52	33.40	186.00
WLCT4C07OF53070324	stormwater	3	273.00	1340.00	743.00	1500.00	819.00	2120.00	184.00	1610.00	1040.00	217.00	418.00	2140.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
WLCT4C07OF53070407	stormwater	3	4.94	207.00	208.00	380.00	180.00	502.00	52.50	440.00	252.00	57.90	115.00	634.00
WLCT4C07OF53070503	stormwater	3	562.00	598.00	1890.00	3150.00	1670.00	4220.00	382.00	3540.00	2290.00	511.00	952.00	5210.00
LW3-STW2-CW10-OF49	stormwater	3	0.79	72.80	6.83	42.40	2.05	59.50	0.78	33.30	7.16	0.91	1.35	50.30
LW3-STW-CW10-OF49	stormwater	3	1.51	110.00	7.09	3.95	3.24	11.26	1.75	3.58	4.04	2.62	2.93	38.40
LW3-STW-CW20-OF49	stormwater	3	0.79	115.00	4.43	6.85	5.87	11.26	3.70	8.77	26.70	5.52	5.40	16.47
LW3-STW2-CW10-OF22B	stormwater	3	156.00	1280.00	493.00	1120.00	643.00	1610.00	128.00	1100.00	694.00	127.00	225.00	1480.00
LW3-STW2-CW20-OF22B	stormwater	3	447.00	1250.00	611.00	1190.00	773.00	1950.00	191.00	1860.00	965.00	232.00	410.00	2410.00
LW3-STW2-CW20-OF22B-	stormwater	3	464.00	1200.00	615.00	1330.00	808.00	2080.00	200.00	2040.00	1090.00	246.00	437.00	2530.00
LW3-STW-CW10-OF22B	stormwater	3	442.00	1630.00	983.00	2230.00	1310.00	3390.00	284.00	2840.00	1700.00	370.00	689.00	3780.00
LW3-STW-CW20-OF22B	stormwater	3	599.00	4980.00	1870.00	3800.00	2210.00	5700.00	426.00	6000.00	3460.00	832.00	1500.00	8160.00
LW3-STW-GW10-OF22B-D	stormwater	3	10.83	43.32	13.54	3.95	3.10	5.12	1.75	3.58	3.78	2.38	2.68	4.39
LW3-STW-GW10-OF22B-T	stormwater	3	58.60	507.00	166.00	246.00	122.00	316.00	33.60	296.00	217.00	42.30	81.60	427.00
LW3-STW2-CW10-OF22C	stormwater	3	4.37	43.32	14.14	6.85	6.18	9.76	3.70	6.58	7.72	5.52	5.97	8.48
LW3-STW-CW10-OF22C	stormwater	3	4.37	35.26	13.54	6.85	4.36	8.97	3.70	6.58	7.16	4.93	5.40	7.57
LW3-STW-CW10-OF22C-2	stormwater	3	10.83	43.32	13.54	3.95	3.10	8.97	1.75	3.58	4.04	2.62	2.93	4.87
LW3-STW-CW20-OF22C	stormwater	3	1.51	43.32	6.83	6.85	5.87	8.97	1.09	6.58	7.16	3.61	1.86	7.57
LW3-STW-CW20-OF22C-2	stormwater	3	1.51	43.32	6.83	2.75	2.05	5.12	0.78	2.41	2.66	1.18	1.35	3.38
LW3-STW-CW20-WR107	stormwater	3	1.51	32.53	6.83	6.85	5.87	13.88	2.42	6.58	7.72	3.61	3.98	8.48
LW3-STW-CW30-WR107	stormwater	3	4.37	87.50	13.54	30.80	4.36	11.95	3.70	33.90	7.16	4.93	5.40	45.90
LW3-STW-CW40-WR107	stormwater	3	1.51	35.26	6.83	47.50	2.37	63.10	1.75	3.58	3.78	2.38	2.68	40.20
LW3-STW-GW10-WR107-D	stormwater	3	10.83	43.32	24.79	10.52	10.31	9.76	6.82	10.60	12.91	10.25	10.66	8.48
LW3-STW-GW10-WR107-T	stormwater	3	4.37	43.32	13.54	6.85	5.87	8.97	6.82	6.58	7.16	8.99	9.50	7.57
LW3-W3031-NB-C	surface water fro	3	5.74	22.30	0.25	1.83	2.54	4.32	4.23	4.79	1.65	0.51	1.02	4.21
LW3-W3031-NB-F	surface water fro	3	0.90	4.34	0.23	0.36	0.46	0.91	0.40	1.42	0.41	0.16	0.32	1.03
LW3-W3031-NS-C	surface water fro	3	6.54	24.30	1.56	2.24	2.98	5.19	4.86	6.21	1.93	0.29	0.54	5.50
LW3-W3031-NS-F	surface water fro	3	0.90	12.00	0.23	0.50	0.46	0.91	0.16	1.42	0.41	0.16	0.32	0.81
LW3-STW-CW10-WR147	stormwater	3	147.00	378.00	491.00	713.00	328.00	910.00	142.00	750.00	638.00	143.00	271.00	1060.00
LW3-STW-CW20-WR147	stormwater	3	358.00	1190.00	2380.00	2940.00	1370.00	3750.00	385.00	4160.00	3030.00	543.00	1130.00	5390.00
LW3-STW-CW30-WR147	stormwater	3	4.57	350.00	399.00	703.00	333.00	966.00	126.00	883.00	682.00	117.00	254.00	1180.00
LW3-W3036-NB-C	surface water fro	3	5.47	20.50	1.41	2.66	2.53	5.53	3.36	5.23	0.61	0.40	1.61	4.56
LW3-W3036-NB-F	surface water fro	3	0.90	7.93	0.23	0.50	0.46	0.91	0.38	1.42	0.41	0.16	0.32	1.03
LW3-W3036-NS-C	surface water fro	3	4.84	29.50	0.19	2.02	2.96	5.52	3.27	6.64	2.24	0.56	1.45	5.57
LW3-W3036-NS-F	surface water fro	3	0.90	6.35	0.23	0.36	0.46	0.91	0.12	1.42	0.41	0.16	0.32	1.03

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
LW3-STW2-CW10-H30	stormwater	3	1.51	305.00	152.00	291.00	160.00	383.00	31.60	254.00	178.00	46.90	63.10	317.00
LW3-STW2-CW20-H30B	stormwater	3	178.00	228.00	433.00	1060.00	655.00	1590.00	129.00	1690.00	930.00	219.00	381.00	1910.00
LW3-STW2-CW30-H30	stormwater	3	4.57	305.00	117.00	257.00	150.00	380.00	33.60	340.00	194.00	45.90	79.40	396.00
LW3-STW2-CW30-H30B	stormwater	3	150.00	488.00	435.00	956.00	532.00	1290.00	119.00	1250.00	821.00	174.00	332.00	1720.00
LW3-STW2-CW40-H30	stormwater	3	97.50	609.00	248.00	556.00	317.00	774.00	62.70	819.00	484.00	104.00	178.00	932.00
LW3-STW2-CW40-H30B	stormwater	3	132.00	398.00	199.00	462.00	263.00	676.00	65.50	652.00	386.00	82.60	145.00	797.00
LW3-STW2-CW50-H30B	stormwater	3	89.20	554.00	264.00	595.00	341.00	815.00	71.90	768.00	473.00	106.00	184.00	995.00
LW3-W3029-NB-C	surface water fro	3	6.14	22.20	1.48	1.98	2.91	0.91	5.49	5.94	1.81	0.61	1.27	4.99
LW3-W3029-NB-F	surface water fro	3	0.90	4.34	0.23	0.36	0.46	1.21	0.34	1.42	0.41	0.16	0.32	1.03
LW3-W3029-NS-C	surface water fro	3	6.79	19.30	1.71	2.22	3.16	5.62	5.58	6.87	2.41	0.65	1.60	5.82
LW3-W3029-NS-F	surface water fro	3	0.90	3.22	0.23	0.36	0.46	0.91	0.29	1.42	0.41	0.16	0.32	1.03
ST03a-Sed01	Sediment	2	5.73	49.90	18.10	5.46	8.30	16.30	7.52	37.00	8.08	2.47	4.75	26.20
ST04a-Sed01	Sediment	2	38.20	220.00	83.10	49.00	68.50	121.00	52.90	218.00	43.50	14.20	29.50	145.00
ST04a-Sed101	Sediment	2	35.90	214.00	74.80	36.20	50.00	86.50	43.70	189.00	39.20	13.00	26.30	129.00
ST04b-Sed01	Sediment	2	10.70	97.10	27.60	10.90	13.10	26.20	11.10	50.20	10.70	3.28	7.13	33.80
ST05a-Sed01	Sediment	2	17.40	170.00	68.40	18.20	26.30	46.10	19.50	128.00	27.90	8.00	16.30	85.10
ST05b-Sed01	Sediment	2	7.66	51.80	34.70	11.20	14.40	29.90	9.51	64.70	13.40	4.08	9.16	44.60
ST07a-Sed01	Sediment	2	2.62	30.70	9.76	2.73	4.28	6.86	2.60	22.40	4.56	1.36	2.41	13.70
ST08a-Sed01	Sediment	2	28.80	89.80	106.00	43.00	54.80	127.00	19.10	239.00	48.90	12.80	30.60	176.00
ST14a-Sed01	Sediment	2	9.68	75.80	38.10	11.40	16.40	32.60	13.80	78.40	15.00	4.80	10.00	53.10
ST15a-Sed01	Sediment	2	3.88	36.70	17.20	4.86	7.31	13.90	3.44	38.60	8.60	2.32	4.85	27.70
ST16a-Sed01	Sediment	2	0.91	6.85	1.25	0.73	0.87	1.59	0.80	2.49	0.61	0.68	0.37	1.58
ST17a-Sed01	Sediment	2	20.60	166.00	60.80	21.30	26.40	52.30	21.00	119.00	24.80	7.79	17.00	84.10
ST18a-Sed01	Sediment	2	4.70	30.50	18.50	8.90	11.50	22.10	4.75	48.40	11.00	3.25	5.93	32.90
ST21a-Sed01	Sediment	2	2.73	24.60	17.50	5.34	7.20	14.00	2.85	36.90	6.36	2.21	4.20	21.80
ST22a-Sed01	Sediment	2	3.49	23.60	12.00	1.62	4.12	6.69	0.99	11.00	2.68	2.04	3.40	9.72
LW3-W3030-NB-C	surface water fro	3	7.28	25.40	1.70	2.29	3.69	5.65	5.97	7.84	2.84	0.80	1.60	6.42
LW3-W3030-NB-F	surface water fro	3	0.90	8.04	0.23	0.24	0.46	0.91	0.30	1.42	0.41	0.16	0.32	1.03
LW3-W3030-NS-C	surface water fro	3	7.87	20.70	3.57	2.09	2.88	5.31	6.36	7.65	3.14	0.70	1.53	6.43
LW3-W3030-NS-F	surface water fro	3	0.90	4.65	0.24	0.36	0.76	0.91	0.92	1.46	0.45	0.16	0.32	1.06
LW3-STW-CW10-OF16	stormwater	3	243.00	614.00	942.00	1550.00	841.00	2150.00	164.00	2570.00	1510.00	276.00	533.00	3150.00
LW3-STW-CW20-OF16	stormwater	3	773.00	1630.00	2530.00	4910.00	2790.00	7280.00	553.00	7210.00	3990.00	921.00	1640.00	9320.00
LW3-STW-CW30-OF16	stormwater	3	480.00	490.00	1400.00	2140.00	1210.00	3150.00	260.00	3180.00	1970.00	394.00	762.00	4450.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
LW3-STW-CW10-OFM1	stormwater	3	4.37	343.00	23.61	47.80	30.80	71.20	1.09	36.70	2.50	1.65	1.86	52.90
LW3-STW-CW10-OFM2	stormwater	3	4.37	248.00	13.54	56.30	35.40	25.72	3.70	52.50	7.72	5.52	5.97	79.60
LW3-STW-CW20-OFM1	stormwater	3	5.52	2150.00	272.00	329.00	206.00	449.00	44.80	550.00	315.00	82.80	142.00	703.00
LW3-STW-CW20-OFM1D	stormwater	3	5.13	717.00	72.40	76.40	48.60	28.84	33.30	104.00	63.10	4.93	5.40	29.37
LW3-STW-CW20-OFM2	stormwater	3	4.37	155.00	6.83	30.70	9.74	11.26	6.82	30.80	7.72	10.25	10.66	43.80
LW3-STW-CW30-OFM1	stormwater	3	4.37	684.00	23.61	83.80	41.60	28.84	3.70	88.40	65.20	4.93	26.10	142.00
LW3-STW-CW30-OFM1D	stormwater	3	4.37	622.00	13.54	84.00	43.40	28.84	1.75	78.20	62.50	2.62	29.80	140.00
LW3-STW-CW30-OFM2	stormwater	3	396.00	205.00	651.00	718.00	425.00	1130.00	115.00	1110.00	633.00	131.00	295.00	1480.00
LW3-STW-CW40-OFM2	stormwater	3	1.51	308.00	6.83	59.00	33.90	97.20	3.70	72.20	38.20	8.08	5.97	98.10
LW3-STW-CW40-OFM2-2	stormwater	3	10.83	336.00	23.61	65.30	41.60	105.00	9.00	50.10	32.30	16.09	13.85	75.40
AI_1	Sediment	2	1.76	2.99	2.22	0.82	3.51	5.25	0.14	9.36	1.34	1.18	2.75	14.10
AI_11_C	Sediment	2	0.60	2.99	2.22	1.16	0.82	1.71	0.13	9.36	1.34	0.42	0.86	4.35
AI_13_C	Sediment	2	2.00	2.99	2.22	3.45	3.21	5.16	0.18	9.36	1.34	1.45	2.67	14.00
AI_20_C_GS	Sediment	2	2.76	2.99	2.22	4.21	4.54	7.31	0.91	32.50	1.34	0.42	4.01	20.80
AI_5_C	Sediment	2	2.42	2.99	2.22	3.31	4.09	5.94	0.20	25.90	1.34	1.64	3.19	16.30
CPS_0	Sediment	2	27.00	96.20	89.50	30.50	42.00	61.10	7.45	289.00	64.10	21.00	38.40	166.00
CPS_1	Sediment	2	9.59	2.99	23.60	9.62	15.40	21.70	3.51	74.70	1.34	5.20	9.19	43.40
CPS_3	Sediment	2	7.58	2.99	21.70	7.41	11.50	15.70	2.23	66.10	1.34	4.33	8.20	37.90
CPS_4	Sediment	2	3.82	2.99	17.60	5.52	6.46	9.99	1.12	50.90	1.34	2.97	5.70	31.50
CS-Control	Invertebrate Tiss	1	9.54	126.54	33.06	14.90	20.90	34.60	4.84	67.10	19.53	8.75	20.48	51.40
FLO-Sed	Sediment	2	17.50	107.00	39.10	16.80	22.30	36.00	6.72	97.80	32.20	9.35	14.10	69.80
FLO-Sed-Dupe	Sediment	2	13.50	92.10	38.70	13.40	16.40	29.50	7.12	82.20	24.70	4.91	11.60	54.20
HC_1	Sediment	2	5.06	2.99	2.22	6.80	9.68	14.30	1.51	52.50	1.34	3.32	6.24	33.20
HC_2	Sediment	2	11.80	2.99	26.20	10.10	1.00	20.90	3.42	84.10	1.34	5.86	7.05	42.10
HC_3	Sediment	2	7.13	2.99	27.30	10.40	13.10	18.00	0.20	83.60	20.90	5.03	9.28	49.90
HC_6	Sediment	2	13.00	64.40	42.50	17.10	22.10	32.80	3.06	141.00	37.00	8.03	15.90	87.00
LMCS-A	Sediment	2	28.30	204.00	112.00	41.10	57.40	93.80	17.40	360.00	110.00	29.10	56.20	247.00
LMCS-B	Sediment	2	24.60	182.00	86.10	47.00	55.30	88.10	13.50	317.00	106.00	22.20	48.60	225.00
LMCS-C	Sediment	2	24.60	164.00	92.10	79.50	104.00	173.00	28.40	475.00	152.00	39.20	83.20	382.00
LMCS-Invert	Invertebrate Tiss	1	12.50	213.00	46.40	37.00	47.50	82.00	9.80	351.00	104.00	21.00	48.20	215.00
LMCS-Invert-Time zero	Invertebrate Tiss	1	8.82	126.54	33.06	19.70	26.30	48.80	4.84	158.00	44.40	8.75	20.48	117.00
LMCS-Sed	Sediment	2	30.90	274.00	128.00	57.30	63.70	105.00	16.90	386.00	124.00	26.50	58.10	283.00
LS-A	Sediment	2	23.10	172.00	124.00	63.40	80.60	147.00	17.30	524.00	162.00	44.20	92.30	398.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
LS-B	Sediment	2	19.00	162.00	114.00	52.30	67.90	125.00	18.60	469.00	144.00	37.70	79.00	347.00
LS-C	Sediment	2	44.10	692.00	188.00	125.00	159.00	284.00	27.10	810.00	237.00	69.20	153.00	640.00
LW2-C015-B	sediment	2	14500.00	230.00	26900.00	27600.00	22900.00	50000.00	4800.00	21900.00	13400.00	5900.00	13700.00	55400.00
LW2-C019-C1	sediment	2	10800.00	181.00	16500.00	28200.00	24600.00	50700.00	4830.00	17100.00	13200.00	6710.00	12800.00	53400.00
LW2-C019-D1	sediment	2	11200.00	286.00	79200.00	43000.00	36800.00	81500.00	8330.00	5300.00	10200.00	10600.00	49300.00	70400.00
LW2-C020-B	sediment	2	2110.00	325.00	9120.00	12500.00	8220.00	12600.00	2000.00	4190.00	3600.00	6470.00	10600.00	16400.00
LW2-C022-B	sediment	2	27.00	113.00	85.30	117.00	77.00	146.00	25.80	139.00	103.00	32.90	52.40	250.00
LW2-C022-C	sediment	2	38.40	398.00	171.00	199.00	135.00	268.00	32.40	250.00	163.00	56.00	84.70	438.00
LW2-C034-B	sediment	2	578.00	29.50	592.00	656.00	381.00	931.00	176.00	391.00	319.00	269.00	338.00	871.00
LW2-C277-B	sediment	2	107.00	212.00	433.00	524.00	442.00	771.00	77.90	746.00	404.00	167.00	219.00	1150.00
LW2-C277-D	sediment	2	13.64	24.68	15.50	153.00	112.00	251.00	16.10	226.00	133.00	30.10	61.10	438.00
LW2-C282-A	sediment	2	91.70	9.61	14.90	25.50	45.40	17.60	208.00	8.62	6.75	1.83	6.46	12.40
LW2-C290-B	sediment	2	2.21	9.61	18.50	58.20	31.80	53.10	1.15	43.70	17.80	14.70	26.90	77.50
LW2-C291-A	sediment	2	86.70	223.00	83.10	85.70	73.90	91.80	232.00	93.80	69.10	23.00	33.50	155.00
LW2-C291-B	sediment	2	37.20	485.00	114.00	115.00	83.10	139.00	68.20	133.00	84.60	34.00	47.30	220.00
LW2-C291-C	sediment	2	92.70	155.00	416.00	633.00	536.00	833.00	75.60	798.00	422.00	153.00	252.00	1380.00
LW2-C293-C	sediment	2	13.64	24.68	90.90	888.00	610.00	808.00	82.30	1290.00	736.00	91.00	219.00	2340.00
LW2-C303-B	sediment	2	89.50	58.90	239.00	501.00	370.00	389.00	76.50	642.00	334.00	115.00	195.00	1210.00
LW2-C384-B	sediment	2	7080.00	571.00	5270.00	20800.00	13000.00	36300.00	3320.00	26800.00	14500.00	2800.00	5990.00	47200.00
LW2-C384-BD	sediment	2	1900.00	647.00	1530.00	7390.00	5190.00	6300.00	1030.00	9190.00	4970.00	1190.00	2170.00	14200.00
LW2-C384-C	sediment	2	40.30	9.61	50.70	238.00	179.00	410.00	31.20	355.00	169.00	33.20	62.70	514.00
LW2-C393-B	sediment	2	239.00	131.00	299.00	718.00	316.00	623.00	87.70	475.00	300.00	108.00	178.00	766.00
LW2-C425-B1	sediment	2	32.70	42.60	90.50	137.00	97.20	193.00	20.00	193.00	110.00	39.50	64.20	286.00
LW2-C425-C1	sediment	2	31.70	11.10	131.00	207.00	129.00	301.00	26.40	247.00	142.00	40.10	70.40	397.00
LW2-C425-E1	sediment	2	43.30	10.10	114.00	225.00	151.00	357.00	25.80	301.00	181.00	77.50	117.00	479.00
LW2-C430-A	sediment	2	102.00	285.00	329.00	409.00	309.00	608.00	69.10	638.00	342.00	143.00	207.00	1050.00
LW2-C430-B	sediment	2	148.00	261.00	329.00	404.00	307.00	618.00	51.60	590.00	345.00	113.00	184.00	1010.00
LW2-C430-C	sediment	2	187.00	47.40	454.00	1150.00	943.00	1950.00	140.00	1940.00	954.00	304.00	475.00	2570.00
LW2-C430-E	sediment	2	183.00	25.10	534.00	1310.00	936.00	2130.00	159.00	1800.00	979.00	314.00	515.00	2580.00
LW2-C524-A	sediment	2	378.00	24.68	45.10	140.00	204.00	117.00	844.00	74.30	53.30	23.30	35.80	120.00
LW2-G006	sediment	2	46.70	255.00	156.00	123.00	81.90	171.00	32.70	168.00	122.00	38.70	64.50	313.00
LW2-G008	sediment	2	31.50	222.00	96.10	104.00	70.20	151.00	30.40	147.00	96.20	29.80	48.50	242.00
LW2-G022	sediment	2	42.80	223.00	125.00	124.00	83.10	180.00	34.80	185.00	119.00	32.00	53.00	292.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
LW2-G030	sediment	2	58.20	217.00	175.00	171.00	109.00	233.00	44.60	226.00	161.00	47.10	77.60	364.00
LW2-G260	sediment	2	2.21	15.40	3.24	7.35	3.67	8.06	10.00	7.06	4.95	1.83	1.18	11.50
LW2-G268	sediment	2	15.90	36.90	209.00	121.00	60.40	153.00	27.50	130.00	94.20	28.80	46.60	298.00
LW2-G282	sediment	2	22500.00	291.00	1560.00	5600.00	11800.00	2640.00	56000.00	884.00	807.00	980.00	1230.00	1300.00
LW2-G282D	sediment	2	19900.00	220.00	1330.00	5490.00	11000.00	3160.00	58000.00	871.00	811.00	941.00	1210.00	1240.00
LW2-G295	sediment	2	623.00	162.00	113.00	234.00	409.00	130.00	1810.00	85.90	74.20	48.10	61.50	140.00
LW2-G295D	sediment	2	592.00	160.00	116.00	251.00	471.00	139.00	1880.00	82.60	71.30	47.80	64.50	130.00
LW2-G296	sediment	2	1170.00	162.00	171.00	365.00	739.00	181.00	3400.00	126.00	111.00	76.80	107.00	241.00
LW2-G297	sediment	2	23.90	28.09	163.00	374.00	261.00	269.00	64.40	425.00	270.00	77.60	131.00	759.00
LW2-G303	sediment	2	659.00	127.00	108.00	235.00	443.00	134.00	2010.00	93.90	74.30	51.00	68.70	144.00
LW2-G306	sediment	2	2.21	48.60	19.00	20.30	14.70	28.50	11.60	28.20	17.00	6.01	9.25	47.50
LW2-G313	sediment	2	181.00	27.70	595.00	1410.00	1130.00	2350.00	155.00	2240.00	1010.00	309.00	469.00	2920.00
LW2-G393	sediment	2	3090.00	247.00	866.00	7050.00	6940.00	2340.00	6970.00	2300.00	1950.00	561.00	827.00	2530.00
LW2-G425	sediment	2	2.21	15.20	20.70	29.30	17.40	35.70	13.70	25.80	20.30	1.83	9.11	48.70
LW2-G481	sediment	2	36.60	115.00	32.50	52.80	46.90	69.40	53.70	58.20	39.50	13.70	20.60	102.00
LW2-G484	sediment	2	43.10	155.00	31.90	50.30	45.60	54.20	95.90	43.80	32.80	10.10	16.80	75.60
LW2-G487	sediment	2	196.00	20.90	47.70	130.00	162.00	64.50	843.00	38.10	32.70	5.77	10.40	51.90
LW2-G502	sediment	2	11.50	19.80	15.00	22.70	17.00	27.60	22.90	19.20	14.70	2.61	6.26	30.90
LW2-G505	sediment	2	61.40	92.70	102.00	338.00	208.00	474.00	97.10	264.00	270.00	53.90	105.00	632.00
LW2-G507	sediment	2	73.10	84.90	30.90	92.20	115.00	99.50	215.00	65.10	42.40	16.70	28.90	99.40
LW2-GBT016	sediment	2	11300.00	177.00	538.00	2940.00	8430.00	1660.00	30500.00	891.00	813.00	776.00	974.00	529.00
LW2-T01 SC	tissue	1	84.60	729.00	203.00	75.10	152.00	216.00	37.30	1400.00	225.00	51.90	106.00	941.00
LW2-T01-NOAA SC	tissue	1	23.70	455.00	100.00	56.40	89.00	155.00	36.70	675.00	155.00	35.30	86.80	461.00
LW2-T01-REP1	tissue	1	49.20	8.61	14.80	65.60	108.00	158.00	48.10	820.00	128.00	35.70	92.70	487.00
LW2-T01-REP2	tissue	1	52.70	8.94	11.50	62.10	127.00	178.00	49.50	1110.00	152.00	44.10	121.00	592.00
LW2-T01-REP3	tissue	1	54.70	8.62	12.80	65.10	113.00	166.00	45.40	864.00	132.00	35.70	94.20	521.00
LW2-T02 SC	tissue	1	124.00	179.00	278.00	192.00	280.00	452.00	62.80	1800.00	413.00	86.60	200.00	1040.00
LW2-T02-NOAA SC	tissue	1	74.80	332.00	67.20	356.00	534.00	789.00	67.30	1170.00	280.00	59.70	91.90	576.00
LW2-T02-REP1	tissue	1	52.70	5.82	15.10	148.00	229.00	377.00	61.70	1950.00	284.00	64.40	199.00	946.00
LW2-T02-REP2	tissue	1	56.60	8.46	18.60	127.00	204.00	348.00	56.30	1610.00	239.00	55.90	180.00	805.00
LW2-T02-REP3	tissue	1	55.30	9.25	16.70	134.00	274.00	454.00	68.60	2470.00	315.00	78.70	270.00	1260.00
LW2-T03 SC	tissue	1	371.00	109.00	395.00	226.00	453.00	647.00	136.00	1590.00	322.00	114.00	231.00	1070.00
LW2-T03-REP1	tissue	1	238.00	5.99	32.80	135.00	319.00	403.00	208.00	1070.00	195.00	75.70	160.00	652.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
LW2-T03-REP2	tissue	1	196.00	5.02	27.20	98.40	300.00	297.00	115.00	915.00	148.00	73.40	147.00	582.00
LW2-T03-REP3	tissue	1	214.00	5.61	31.30	136.00	380.00	424.00	158.00	1470.00	243.00	99.60	208.00	869.00
LW2-T04 SC	tissue	1	30.60	334.00	17.30	14.60	24.60	39.50	5.23	129.00	20.60	6.95	15.50	81.00
LW2-T04-REP1	tissue	1	31.40	46.80	4.41	8.98	16.20	28.60	5.53	99.60	11.90	4.62	12.30	56.60
LW2-T04-REP2	tissue	1	34.10	24.70	4.85	10.60	21.90	34.50	7.48	158.00	15.60	6.40	19.90	77.70
LW2-T04-REP3	tissue	1	33.30	29.70	4.31	9.80	18.70	32.00	5.89	122.00	12.90	5.39	14.80	68.70
LW2-W005 C	surface water fro	3	9.19	6.95	1.07	1.17	2.79	2.83	9.81	3.52	1.15	0.41	0.77	3.03
LW2-W005 F	surface water fro	3	0.50	2.26	0.54	0.16	0.36	0.37	0.94	1.23	0.35	0.11	0.20	0.88
LW2-W011 C	surface water fro	3	15.10	8.44	1.28	1.50	4.69	3.73	19.40	4.04	1.28	0.59	1.01	3.53
LW2-W011 F	surface water fro	3	0.84	2.43	0.48	0.15	0.57	0.42	1.73	1.26	0.34	0.15	0.24	0.94
LW2-W013-1 C	surface water fro	3	87.20	3.59	1.43	1.05	18.60	4.21	139.00	3.34	0.74	1.65	1.78	2.39
LW2-W013-1 F	surface water fro	3	13.80	2.10	1.86	0.18	8.14	1.19	40.80	1.90	0.23	1.30	1.15	1.00
LW2-W013-2 C	surface water fro	3	81.40	2.95	1.29	0.89	16.90	3.71	127.00	2.90	0.65	1.44	1.59	2.08
LW2-W013-2 F	surface water fro	3	10.50	1.66	1.59	0.16	5.20	0.86	28.70	1.50	0.21	0.85	0.75	0.84
LW2-W015 C	surface water fro	3	17.10	9.61	17.90	21.70	20.90	42.60	8.51	46.20	19.60	3.62	9.25	43.20
LW2-W015 F	surface water fro	3	2.47	4.18	15.00	14.30	17.00	30.30	2.91	80.60	28.80	5.50	12.80	67.90
LW2-W016 C	surface water fro	3	4.07	5.16	1.20	1.56	1.88	3.59	2.48	5.30	1.74	0.44	0.90	4.30
LW2-W016 F	surface water fro	3	0.25	1.99	0.64	0.38	0.49	0.90	0.30	1.60	0.78	0.23	0.41	2.11
LW2-W018 C	surface water fro	3	4.76	3.88	0.99	0.97	1.72	2.27	4.03	3.11	0.89	0.34	0.60	2.51
LW2-W018 F	surface water fro	3	0.20	2.32	0.53	0.11	0.29	0.31	0.37	1.36	0.29	0.14	0.21	0.88
LW2-W023 C	surface water fro	3	2.67	3.30	0.38	0.44	0.71	0.98	2.07	1.31	0.44	0.12	0.26	1.19
LW2-W023 F	surface water fro	3	0.22	2.42	0.32	0.08	0.26	0.22	0.50	0.85	0.20	0.09	0.15	0.61
LW2-W2005 C	surface water fro	3	15.20	19.70	1.88	2.27	5.67	6.40	16.20	6.97	1.89	0.82	1.52	5.80
LW2-W2005 F	surface water fro	3	0.36	2.50	0.54	0.15	0.29	0.32	1.11	1.23	0.27	0.11	0.19	0.75
LW2-W2011 C	surface water fro	3	17.80	17.20	1.71	1.88	5.33	5.67	17.30	5.78	1.60	0.75	1.41	5.15
LW2-W2011 F	surface water fro	3	0.50	2.43	0.59	0.17	0.47	0.41	2.08	1.49	0.35	0.18	0.28	1.01
LW2-W2013-1 C	surface water fro	3	332.00	13.30	3.95	2.61	85.50	16.00	564.00	9.09	1.28	6.57	7.49	5.61
LW2-W2013-1 F	surface water fro	3	31.60	1.75	5.02	0.40	20.90	3.08	183.00	3.71	0.17	3.91	2.87	1.39
LW2-W2013-2 C	surface water fro	3	76.10	12.60	1.80	1.71	17.00	5.14	130.00	4.57	1.14	1.94	2.09	3.71
LW2-W2013-2 F	surface water fro	3	4.70	2.30	1.28	0.13	2.98	0.57	25.00	1.19	0.16	0.59	0.55	0.61
LW2-W2015 C	surface water fro	3	11.20	21.00	2.46	2.93	4.18	7.10	8.75	8.61	2.51	0.79	1.58	6.72
LW2-W2015 F	surface water fro	3	0.23	3.34	0.90	0.41	0.63	0.93	0.65	3.51	0.80	0.25	0.49	2.23
LW2-W2016 C	surface water fro	3	13.60	19.70	2.28	3.55	5.02	8.08	11.40	9.96	2.60	1.03	2.05	7.93

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
LW2-W2016 F	surface water fro	3	0.17	2.71	0.68	0.25	0.34	0.57	0.62	2.52	0.48	0.25	0.38	1.38
LW2-W2018 C	surface water fro	3	10.10	9.80	1.68	1.74	5.13	4.18	12.80	5.84	1.22	1.14	1.28	4.25
LW2-W2018 F	surface water fro	3	0.88	8.93	0.96	0.19	0.94	1.22	1.43	1.68	0.31	0.38	0.87	1.11
LW2-W2023 C	surface water fro	3	7.24	14.70	1.09	1.16	2.14	3.01	4.16	3.37	0.98	0.34	0.69	2.86
LW2-W2023 F	surface water fro	3	0.15	4.37	0.25	0.02	0.19	0.17	0.53	0.65	0.15	0.06	0.12	0.43
LW2-W3005 C	surface water fro	3	18.80	14.10	2.15	3.02	5.80	6.55	21.30	7.99	2.50	0.90	1.77	6.44
LW2-W3005 F	surface water fro	3	0.14	3.66	0.68	0.28	0.53	0.71	0.90	2.48	0.52	0.22	0.40	1.66
LW2-W3011 C	surface water fro	3	18.20	14.50	1.87	2.46	4.97	5.50	18.90	6.80	2.11	0.75	1.47	5.39
LW2-W3011 F	surface water fro	3	0.26	1.95	0.54	0.21	0.49	0.64	0.84	2.07	0.38	0.21	0.34	1.39
LW2-W3013-1 C	surface water fro	3	198.00	20.80	3.95	3.58	48.00	13.20	393.00	11.00	2.62	5.54	6.00	7.81
LW2-W3013-1 F	surface water fro	3	14.30	2.67	3.15	0.51	11.60	2.81	61.10	4.16	0.52	2.31	2.10	2.20
LW2-W3013-2 C	surface water fro	3	135.00	20.00	3.05	2.48	40.70	10.20	317.00	8.65	1.83	5.07	5.05	5.79
LW2-W3015 C	surface water fro	3	21.20	30.20	3.52	5.03	7.44	10.70	19.60	14.10	4.98	1.36	2.77	11.30
LW2-W3015 F	surface water fro	3	0.70	4.06	1.23	0.92	1.59	2.19	1.74	5.71	1.51	0.50	0.96	4.17
LW2-W3016 C	surface water fro	3	21.20	22.70	3.56	5.83	8.44	14.10	20.80	21.20	6.38	2.06	3.81	16.70
LW2-W3016 F	surface water fro	3	0.66	3.02	1.76	1.34	1.84	3.80	1.54	11.00	2.51	0.99	1.54	7.31
LW2-W3018 C	surface water fro	3	27.20	13.80	2.58	2.18	6.19	5.48	24.50	7.75	1.88	1.11	1.81	5.65
LW2-W3018 F	surface water fro	3	0.02	1.06	0.35	0.09	0.21	0.23	0.49	0.81	0.16	0.10	0.14	0.51
LW2-W3023 C	surface water fro	3	13.10	15.80	1.17	1.39	3.27	3.06	13.20	4.10	1.23	0.52	0.98	3.27
LW2-W3023 F	surface water fro	3	0.42	1.99	0.32	0.10	0.42	0.34	1.08	1.11	0.22	0.15	0.22	0.80
LW3-C600-B	sediment	2	343.00	145.00	881.00	1640.00	1240.00	2340.00	219.00	1360.00	965.00	590.00	895.00	3820.00
LW3-C600-C	sediment	2	3270.00	65.60	4580.00	15400.00	14900.00	23100.00	1810.00	6640.00	3010.00	3940.00	6270.00	25700.00
LW3-C600-D	sediment	2	299.00	3.82	395.00	1500.00	1490.00	2290.00	177.00	500.00	229.00	299.00	419.00	2070.00
LW3-C601-B1	sediment	2	181.00	32.80	533.00	1200.00	1040.00	2080.00	132.00	1670.00	868.00	266.00	378.00	2670.00
LW3-C601-B2	sediment	2	157.00	43.10	516.00	1110.00	1010.00	1850.00	116.00	1580.00	838.00	274.00	447.00	2540.00
LW3-C602-B	sediment	2	45.40	160.00	181.00	202.00	118.00	226.00	37.50	183.00	145.00	42.50	73.60	416.00
LW3-C602-C	sediment	2	650.00	284.00	1100.00	2080.00	1810.00	2760.00	349.00	726.00	576.00	625.00	1020.00	3300.00
LW3-C602-D	sediment	2	385.00	64.10	722.00	1570.00	1320.00	2590.00	217.00	1750.00	926.00	351.00	500.00	3260.00
LW3-C604-B	sediment	2	38.50	127.00	112.00	208.00	117.00	227.00	35.60	192.00	170.00	46.50	83.00	419.00
LW3-C604-C	sediment	2	101.00	315.00	324.00	531.00	396.00	684.00	79.50	485.00	340.00	194.00	286.00	915.00
LW3-C604-D	sediment	2	201.00	80.10	571.00	1250.00	992.00	2010.00	158.00	1200.00	739.00	239.00	366.00	2350.00
LW3-C605-B	sediment	2	38.00	140.00	156.00	180.00	106.00	226.00	39.40	228.00	169.00	45.40	77.30	474.00
LW3-C605-C	sediment	2	46.00	199.00	135.00	156.00	107.00	220.00	31.30	181.00	121.00	45.80	74.10	342.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
LW3-C605-D	sediment	2	322.00	51.70	666.00	1360.00	1150.00	2240.00	185.00	1390.00	866.00	233.00	403.00	2580.00
LW3-C606-B	sediment	2	24.90	62.80	39.30	51.90	38.80	73.90	49.50	63.10	42.90	15.80	22.80	117.00
LW3-C606-C	sediment	2	24.00	124.00	78.60	106.00	81.00	148.00	24.20	129.00	76.30	29.20	42.20	231.00
LW3-C608-B	sediment	2	65.50	153.00	245.00	351.00	282.00	427.00	46.50	470.00	286.00	107.00	149.00	813.00
LW3-C608-BD	sediment	2	74.50	158.00	273.00	363.00	286.00	447.00	49.20	459.00	289.00	104.00	150.00	897.00
LW3-C609-B	sediment	2	78.00	62.40	204.00	479.00	441.00	579.00	58.10	437.00	241.00	92.60	136.00	976.00
LW3-C609-C	sediment	2	2.56	11.00	13.30	29.20	21.10	41.40	1.00	69.70	28.80	11.40	17.40	93.70
LW3-C609-D	sediment	2	1.75	4.60	5.44	5.73	2.96	5.88	1.22	5.23	3.10	1.88	2.45	9.18
LW3-C664-B	sediment	2	310.00	29.80	900.00	1920.00	1660.00	3510.00	212.00	2540.00	1410.00	616.00	995.00	4510.00
LW3-C664-C	sediment	2	38.90	8.95	107.00	90.40	80.00	176.00	8.07	140.00	76.10	48.80	62.70	250.00
LW3-C665-B	sediment	2	53.10	192.00	198.00	280.00	232.00	384.00	42.50	381.00	183.00	95.80	128.00	605.00
LW3-C665-C	sediment	2	81.10	14.32	226.00	642.00	546.00	925.00	73.70	779.00	453.00	145.00	229.00	1440.00
LW3-C665-D	sediment	2	10.10	8.95	14.40	212.00	167.00	386.00	26.30	316.00	171.00	26.70	57.60	489.00
LW3-C676-B	sediment	2	44.40	17.99	207.00	506.00	485.00	810.00	50.80	768.00	347.00	190.00	237.00	1110.00
LW3-C678-B	sediment	2	58.90	204.00	249.00	432.00	358.00	654.00	62.90	678.00	333.00	123.00	167.00	908.00
LW3-C678-C	sediment	2	76.90	21.20	187.00	625.00	546.00	806.00	61.80	1100.00	599.00	189.00	266.00	1650.00
LW3-C678-D	sediment	2	2.56	5.96	7.61	10.10	6.54	14.00	1.57	20.90	9.44	1.88	6.22	20.80
LW3-C679-B	sediment	2	30.70	382.00	136.00	177.00	135.00	257.00	31.40	220.00	123.00	53.30	78.70	365.00
LW3-C679-C	sediment	2	185.00	87.70	397.00	956.00	748.00	1890.00	123.00	1000.00	623.00	427.00	608.00	1640.00
LW3-C679-D	sediment	2	237.00	36.50	757.00	2360.00	1890.00	4320.00	242.00	3480.00	1850.00	953.00	1080.00	5330.00
LW3-C686-B	sediment	2	28.90	224.00	86.90	114.00	83.60	150.00	25.70	164.00	79.10	33.90	47.40	198.00
LW3-C686-C	sediment	2	1.75	4.60	15.50	48.40	33.10	75.20	5.60	68.70	36.30	9.64	17.70	97.10
LW3-C688-B	sediment	2	14.10	85.80	42.50	76.20	50.10	96.40	17.20	93.80	58.70	20.30	31.70	161.00
LW3-C688-C	sediment	2	99.80	146.00	267.00	602.00	413.00	1010.00	75.40	771.00	467.00	115.00	194.00	1280.00
LW3-C688-D	sediment	2	517.00	28.80	802.00	3300.00	2290.00	5790.00	413.00	4520.00	2570.00	560.00	993.00	6450.00
LW3-C688-F	sediment	2	9.69	14.32	18.17	37.00	22.10	61.00	5.54	61.30	34.90	8.49	15.80	93.70
LW3-C690-B	sediment	2	19.60	118.00	63.60	87.50	61.00	131.00	23.10	123.00	76.60	24.30	37.60	203.00
LW3-C690-C	sediment	2	43.10	325.00	198.00	261.00	193.00	394.00	38.70	380.00	219.00	86.40	130.00	605.00
LW3-C690-D	sediment	2	387.00	67.40	1120.00	2890.00	2100.00	4980.00	338.00	4210.00	2360.00	1140.00	1600.00	6420.00
LW3-C690-E	sediment	2	1090.00	14.32	1790.00	9770.00	7110.00	17600.00	1180.00	10700.00	5170.00	1630.00	2940.00	18800.00
LW3-C702-B	sediment	2	130.00	414.00	271.00	523.00	405.00	766.00	79.10	673.00	328.00	166.00	190.00	918.00
LW3-C702-C	sediment	2	121.00	15.60	294.00	1070.00	930.00	1690.00	104.00	1640.00	725.00	287.00	373.00	2340.00
LW3-C702-D	sediment	2	11.60	8.95	28.20	111.00	99.00	179.00	11.60	170.00	73.10	26.70	39.10	240.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
LW3-C703-B	sediment	2	25.10	18.00	39.60	140.00	93.10	196.00	14.90	209.00	82.70	43.50	53.90	308.00
LW3-C703-C	sediment	2	4.65	8.95	12.84	16.50	13.60	24.60	2.84	40.10	11.40	8.03	11.70	41.70
LW3-C708-B	sediment	2	4770.00	247.00	6020.00	23400.00	17600.00	41600.00	2830.00	30100.00	17500.00	3320.00	5770.00	50800.00
LW3-C708-BD	sediment	2	5410.00	258.00	6260.00	24400.00	18300.00	43700.00	3030.00	29600.00	17500.00	3190.00	6040.00	50200.00
LW3-C708-C	sediment	2	2380.00	17.99	2520.00	25400.00	18800.00	50300.00	2950.00	33300.00	19300.00	2440.00	5810.00	60600.00
LW3-C708-D	sediment	2	41.90	7.10	78.90	1100.00	976.00	1980.00	98.90	1350.00	669.00	106.00	192.00	2490.00
LW3-C712-B	sediment	2	4.65	11.10	10.50	21.80	15.60	34.10	3.88	46.80	16.30	7.41	12.60	50.40
LW3-C712-C	sediment	2	7.53	12.47	19.51	5.96	13.34	6.97	7.35	13.20	5.62	8.92	9.73	11.10
LW3-C721-B	sediment	2	43.70	119.00	160.00	269.00	188.00	426.00	37.50	350.00	198.00	61.40	95.10	521.00
LW3-C721-C	sediment	2	176.00	133.00	501.00	1180.00	960.00	1930.00	144.00	1970.00	902.00	316.00	447.00	2640.00
LW3-C721-D	sediment	2	126.00	19.10	279.00	1240.00	1100.00	2030.00	123.00	1990.00	893.00	525.00	653.00	3040.00
LW3-C721-E	sediment	2	4.65	8.95	7.61	20.70	14.90	31.20	3.88	35.50	14.40	9.00	12.20	43.10
LW3-C724-B	sediment	2	467.00	147.00	1220.00	3350.00	2330.00	5570.00	420.00	4940.00	2640.00	642.00	1140.00	6560.00
LW3-C738-B	sediment	2	870.00	98.20	1020.00	2660.00	1790.00	4100.00	414.00	2640.00	1450.00	470.00	759.00	3670.00
LW3-C738-C	sediment	2	587.00	26.00	809.00	2200.00	1680.00	3610.00	343.00	2500.00	1250.00	359.00	574.00	3040.00
LW3-C738-D	sediment	2	4.65	8.95	12.84	4.71	16.56	5.57	8.22	6.53	15.65	8.92	11.86	8.62
LW3-C738-F	sediment	2	22.30	11.20	46.60	91.90	63.30	141.00	11.60	147.00	79.20	18.70	32.80	227.00
LW3-C739-B	sediment	2	131.00	297.00	205.00	344.00	245.00	531.00	64.80	415.00	239.00	91.60	139.00	600.00
LW3-C739-C	sediment	2	525.00	196.00	1490.00	1290.00	964.00	2110.00	101.00	2940.00	1600.00	525.00	780.00	3540.00
LW3-C739-CD	sediment	2	94.10	183.00	160.00	413.00	309.00	701.00	55.30	550.00	290.00	140.00	208.00	883.00
LW3-C739-D	sediment	2	97.70	83.10	231.00	406.00	303.00	659.00	50.80	449.00	282.00	105.00	180.00	886.00
LW3-C739-E	sediment	2	662.00	47.90	937.00	1990.00	1480.00	3160.00	281.00	2350.00	1130.00	451.00	749.00	3110.00
LW3-C747-B	sediment	2	83.00	39.80	218.00	393.00	280.00	628.00	45.10	487.00	294.00	147.00	204.00	826.00
LW3-C747-C	sediment	2	353.00	48.50	686.00	3590.00	2870.00	6800.00	384.00	5190.00	2870.00	785.00	1290.00	9000.00
LW3-C747-E	sediment	2	2630.00	42.90	1800.00	6500.00	6400.00	12000.00	1080.00	1230.00	615.00	2090.00	3170.00	11500.00
LW3-C752-B	sediment	2	395.00	173.00	541.00	1150.00	820.00	1980.00	165.00	1920.00	997.00	788.00	1020.00	3040.00
LW3-C752-C	sediment	2	854.00	47.10	1020.00	2500.00	1860.00	4310.00	339.00	3460.00	1940.00	596.00	884.00	5480.00
LW3-C752-D	sediment	2	159.00	28.60	377.00	697.00	526.00	948.00	60.40	1160.00	596.00	512.00	857.00	2440.00
LW3-C777-B	sediment	2	7.53	14.48	19.51	2.52	4.41	2.88	2.24	2.94	4.52	2.70	3.53	4.30
LW3-C779-B	sediment	2	9.35	14.48	23.50	189.00	77.80	67.40	9.16	102.00	31.20	89.40	196.00	74.40
LW3-CA01E-C00D	tissue	1	1230.00	1410.00	59.70	564.00	946.00	1370.00	485.00	880.00	641.00	127.00	224.00	569.00
LW3-CA01E-C01	tissue	1	1590.00	1860.00	89.00	736.00	1140.00	1750.00	594.00	1100.00	756.00	146.00	268.00	734.00
LW3-CA01E-C02	tissue	1	1410.00	1520.00	73.50	616.00	921.00	1520.00	516.00	921.00	634.00	118.00	205.00	566.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
LW3-CA02W-C00	tissue	1	879.00	1680.00	61.30	580.00	750.00	1220.00	543.00	726.00	487.00	99.60	183.00	513.00
LW3-CA02W-C00D	tissue	1	685.00	1620.00	57.50	484.00	706.00	1070.00	454.00	766.00	470.00	105.00	169.00	523.00
LW3-CA03W-C00	tissue	1	819.00	1080.00	58.80	491.00	751.00	1020.00	596.00	757.00	551.00	104.00	182.00	536.00
LW3-CA04W-C00	tissue	1	540.00	863.00	39.90	308.00	510.00	654.00	455.00	511.00	390.00	80.20	114.00	375.00
LW3-CA05E-C00	tissue	1	976.00	968.00	42.40	416.00	816.00	889.00	895.00	507.00	454.00	94.90	134.00	351.00
LW3-CA05W-C00	tissue	1	494.00	668.00	32.80	298.00	454.00	674.00	389.00	452.00	327.00	70.20	112.00	312.00
LW3-CA10W-C00	tissue	1	1290.00	731.00	29.50	200.00	702.00	496.00	531.00	231.00	165.00	50.00	80.00	160.00
LW3-CA10W-C00D	tissue	1	6500.00	1060.00	76.80	473.00	2400.00	1270.00	1210.00	494.00	416.00	137.00	208.00	360.00
LW3-CA11E-C00	tissue	1	34700.00	729.00	44.70	309.00	13800.00	1860.00	25600.00	474.00	230.00	939.00	330.00	328.00
LW3-CA11E-C00D	tissue	1	26600.00	571.00	21.10	222.00	7670.00	1400.00	19600.00	338.00	171.00	515.00	233.00	228.00
LW3-CA12E-C00	tissue	1	310.00	1200.00	40.90	280.00	360.00	616.00	151.00	422.00	275.00	112.00	97.90	251.00
LW3-CA12E-C00D	tissue	1	220.00	657.00	24.90	177.00	218.00	380.00	108.00	258.00	168.00	67.10	58.10	148.00
LW3-CA12W-C00	tissue	1	119.00	593.00	15.40	117.00	154.00	262.00	48.20	180.00	137.00	25.50	47.60	125.00
LW3-CP0004-C10B	tissue	1	126.00	668.00	48.20	230.00	298.00	721.00	236.00	3020.00	855.00	188.00	431.00	1930.00
LW3-CP0004-C10F	tissue	1	89.40	551.00	32.10	112.00	154.00	361.00	175.00	1730.00	467.00	109.00	232.00	1070.00
LW3-CP0004-C20B	tissue	1	129.00	864.00	47.30	350.00	489.00	995.00	308.00	3950.00	1090.00	265.00	566.00	2500.00
LW3-CP0004-C20F	tissue	1	101.00	745.00	41.60	168.00	263.00	504.00	228.00	2270.00	568.00	149.00	311.00	1440.00
LW3-CP0004-C30B	tissue	1	272.00	532.00	128.00	334.00	1010.00	1170.00	2520.00	3490.00	896.00	354.00	608.00	2270.00
LW3-CP0004-C30F	tissue	1	164.00	402.00	87.60	130.00	373.00	440.00	1340.00	2050.00	547.00	191.00	346.00	1260.00
LW3-CP0408-C10B	tissue	1	108.00	292.00	8.78	349.00	528.00	1160.00	322.00	3470.00	1010.00	205.00	465.00	2140.00
LW3-CP0408-C10F	tissue	1	69.80	225.00	15.50	157.00	259.00	563.00	217.00	2080.00	561.00	120.00	277.00	1280.00
LW3-CP0408-C20B	tissue	1	189.00	501.00	33.40	201.00	505.00	815.00	490.00	3370.00	884.00	290.00	613.00	2210.00
LW3-CP0408-C20F	tissue	1	140.00	402.00	25.20	162.00	411.00	645.00	410.00	2520.00	609.00	223.00	463.00	1640.00
LW3-CP0408-C30B	tissue	1	33800.00	2240.00	23.12	1780.00	63400.00	11700.00	#######	17600.00	1160.00	13200.00	10500.00	6090.00
LW3-CP0408-C30BD	tissue	1	36900.00	2320.00	21.84	1770.00	60900.00	10700.00	#######	17700.00	1110.00	11900.00	9660.00	5510.00
LW3-CP0408-C30F	tissue	1	22100.00	85.30	21.22	1480.00	48400.00	8330.00	#######	12100.00	667.00	9370.00	6820.00	3800.00
LW3-CP0812-C11B	tissue	1	149.00	317.00	40.60	416.00	722.00	1460.00	381.00	3750.00	996.00	281.00	613.00	2400.00
LW3-CP0812-C11F	tissue	1	99.00	242.00	33.90	286.00	462.00	933.00	269.00	2520.00	700.00	176.00	411.00	1630.00
LW3-CP0812-C12B	tissue	1	154.00	379.00	55.60	436.00	762.00	1510.00	393.00	4210.00	1170.00	310.00	674.00	2700.00
LW3-CP0812-C12F	tissue	1	99.50	249.00	28.80	242.00	408.00	811.00	255.00	2470.00	647.00	185.00	387.00	1620.00
LW3-CP0812-C20B	tissue	1	424.00	388.00	105.00	354.00	834.00	1520.00	439.00	6030.00	1770.00	553.00	1230.00	4430.00
LW3-CP0812-C20F	tissue	1	244.00	265.00	51.50	123.00	334.00	534.00	266.00	2960.00	795.00	257.00	566.00	2090.00
LW3-CP0812-C20FD	tissue	1	255.00	280.00	53.90	124.00	340.00	562.00	261.00	3100.00	835.00	270.00	614.00	2200.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
LW3-CP0812-C30B	tissue	1	104.00	595.00	43.90	246.00	529.00	892.00	387.00	2370.00	612.00	219.00	430.00	1650.00
LW3-CP0812-C30F	tissue	1	62.90	382.00	23.80	102.00	223.00	365.00	250.00	1200.00	298.00	105.00	218.00	789.00
LW3-CR01E-ALT-C00	tissue	1	0.92	36.10	12.20	10.79	1.74	9.36	0.83	108.00	2.43	1.37	8.29	18.90
LW3-CR01W-C00	tissue	1	0.59	37.70	7.41	10.79	1.24	5.91	1.37	59.70	1.72	0.97	5.11	14.80
LW3-CR05W-C00	tissue	1	1.03	12.80	7.42	10.79	1.39	3.50	1.93	30.20	5.93	0.90	3.82	6.65
LW3-CR06W-C00	tissue	1	1.52	20.10	6.96	10.79	2.25	5.48	3.04	46.50	1.78	1.15	4.44	10.10
LW3-CR08W-C00	tissue	1	4.82	21.30	45.30	29.80	39.50	125.00	7.33	447.00	52.90	14.00	53.40	190.00
LW3-CR10W-C00	tissue	1	3.36	16.80	39.80	10.79	4.20	10.00	2.99	62.60	1.72	1.77	8.63	17.50
LW3-CR10W-C00D	tissue	1	3.49	15.20	38.70	10.79	3.72	8.58	3.20	55.20	1.64	1.57	7.56	15.40
LW3-CR11E-C01	tissue	1	16.20	30.90	126.00	10.79	12.80	19.90	57.10	311.00	7.81	5.30	38.70	18.10
LW3-CR11E-C02	tissue	1	15.70	31.80	117.00	10.79	14.10	20.00	52.40	329.00	9.60	5.75	39.90	18.40
LW3-CR12E-C00	tissue	1	0.78	43.30	12.00	10.79	0.78	3.71	0.65	50.10	7.81	0.55	4.28	7.01
LW3-CR12W-C00	tissue	1	0.94	26.90	5.61	10.79	0.92	3.57	0.36	27.30	7.81	0.68	3.11	5.11
LW3-G600	sediment	2	138.00	226.00	873.00	472.00	390.00	715.00	81.10	250.00	228.00	212.00	335.00	1130.00
LW3-G601	sediment	2	20.60	156.00	51.10	40.10	31.10	60.50	25.70	65.00	41.70	16.30	24.60	114.00
LW3-G602	sediment	2	46.40	245.00	91.50	86.50	62.10	104.00	150.00	105.00	74.80	24.30	39.90	189.00
LW3-G603	sediment	2	37.00	236.00	119.00	77.60	52.40	110.00	25.70	132.00	86.40	26.90	43.10	217.00
LW3-G604	sediment	2	48.70	232.00	91.40	96.50	65.70	132.00	30.90	134.00	103.00	30.00	48.50	238.00
LW3-G605	sediment	2	41.80	211.00	85.90	81.30	58.10	115.00	30.00	120.00	83.30	27.80	46.60	217.00
LW3-G606	sediment	2	20.90	156.00	39.70	45.60	38.10	60.60	29.00	69.30	40.90	16.40	25.70	114.00
LW3-G607	sediment	2	33.50	195.00	79.80	83.10	59.80	119.00	36.10	141.00	86.20	28.60	41.50	237.00
LW3-G608	sediment	2	149.00	204.00	143.00	142.00	99.90	182.00	52.70	173.00	123.00	41.50	69.30	340.00
LW3-G609	sediment	2	89.20	56.93	163.00	534.00	395.00	557.00	65.10	668.00	349.00	133.00	207.00	1390.00
LW3-G618	sediment	2	46.70	150.00	114.00	107.00	76.50	155.00	53.00	190.00	111.00	34.90	57.30	265.00
LW3-G618D	sediment	2	48.80	153.00	110.00	104.00	74.70	155.00	48.40	189.00	113.00	34.00	53.30	256.00
LW3-G620	sediment	2	29.60	204.00	80.10	71.60	51.00	108.00	33.50	118.00	73.60	25.40	43.00	193.00
LW3-G624	sediment	2	23.70	165.00	53.50	47.40	37.70	67.30	34.40	75.90	46.30	18.20	28.00	121.00
LW3-G629	sediment	2	75.80	72.20	301.00	414.00	328.00	628.00	47.10	688.00	367.00	140.00	195.00	1100.00
LW3-G631	sediment	2	23.00	160.00	39.00	48.80	39.20	70.60	34.40	68.50	45.30	16.90	25.40	130.00
LW3-G633	sediment	2	39.20	170.00	50.90	60.00	49.00	77.10	54.50	83.40	53.40	19.70	31.70	138.00
LW3-G642	sediment	2	3.10	21.30	4.07	7.53	1.73	10.30	5.22	9.04	5.44	1.54	2.18	13.00
LW3-G644	sediment	2	35.10	139.00	65.70	76.20	51.20	86.90	53.00	85.50	59.40	20.00	32.10	150.00
LW3-G646	sediment	2	3.10	24.50	4.07	8.59	5.88	12.70	6.37	10.40	7.18	1.81	2.18	17.80

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
LW3-G664	sediment	2	477.00	113.00	886.00	2320.00	1930.00	3650.00	297.00	3710.00	1960.00	574.00	882.00	4960.00
LW3-G666	sediment	2	19.80	199.00	62.90	49.90	36.00	75.60	26.20	82.30	56.80	19.50	30.00	150.00
LW3-G667	sediment	2	3.10	32.30	12.40	12.40	8.70	15.20	8.03	16.70	9.31	1.54	6.45	27.20
LW3-G668	sediment	2	15.90	121.00	34.80	36.30	25.80	52.30	18.00	57.40	37.00	13.70	20.60	98.00
LW3-G673	sediment	2	16.10	134.00	37.60	43.20	32.10	61.50	47.30	70.20	44.30	16.10	25.00	114.00
LW3-G676	sediment	2	97.40	268.00	154.00	256.00	241.00	345.00	51.90	334.00	158.00	68.00	90.20	452.00
LW3-G676D	sediment	2	89.80	279.00	166.00	254.00	247.00	342.00	52.60	392.00	169.00	82.50	102.00	488.00
LW3-G677	sediment	2	1.21	22.80	13.10	17.80	11.50	29.60	6.41	20.00	12.10	8.98	15.30	37.70
LW3-G681	sediment	2	20.50	168.00	49.20	44.30	34.10	64.60	27.80	66.00	42.60	15.30	23.60	111.00
LW3-G682	sediment	2	18.20	134.00	41.20	44.90	33.50	61.00	25.80	64.50	40.00	16.50	23.70	105.00
LW3-G686	sediment	2	23.50	156.00	35.90	34.30	28.50	47.30	34.00	43.20	31.10	12.70	20.70	84.20
LW3-G687	sediment	2	21.50	180.00	59.80	62.60	45.30	96.30	26.10	98.10	58.70	21.40	36.60	166.00
LW3-G692-1	sediment	2	33.40	180.00	102.00	146.00	109.00	228.00	46.40	223.00	133.00	44.30	67.50	369.00
LW3-G692-1D	sediment	2	33.60	199.00	108.00	155.00	112.00	238.00	48.90	232.00	138.00	44.50	72.40	368.00
LW3-G692-2	sediment	2	30.00	211.00	103.00	126.00	89.30	189.00	38.80	214.00	128.00	44.20	65.40	324.00
LW3-G692-3	sediment	2	30.70	209.00	99.20	122.00	89.10	183.00	39.60	188.00	114.00	37.60	59.50	312.00
LW3-G729	sediment	2	16.80	132.00	29.70	31.00	24.00	44.60	19.70	40.20	26.40	10.90	17.00	70.50
LW3-G732-1	sediment	2	11.20	141.00	30.30	30.90	23.20	45.70	11.40	43.80	29.00	13.60	19.70	84.90
LW3-G732-2	sediment	2	15.80	140.00	32.00	31.50	24.70	44.80	18.20	45.30	30.30	12.90	20.40	80.20
LW3-G738	sediment	2	20800.00	218.00	7170.00	15300.00	12300.00	22600.00	3950.00	18900.00	11000.00	3160.00	5130.00	27400.00
LW3-G739	sediment	2	291.00	181.00	400.00	552.00	394.00	869.00	150.00	688.00	406.00	182.00	257.00	1020.00
LW3-G747	sediment	2	6.80	171.00	12.75	52.30	41.00	65.00	44.40	63.80	41.50	18.40	26.10	110.00
LW3-SB010E-C00B	tissue	1	338.00	298.00	39.30	241.00	890.00	829.00	636.00	4130.00	827.00	334.00	730.00	2500.00
LW3-SB010E-C00F	tissue	1	40.40	39.50	5.40	25.60	92.50	84.40	76.90	433.00	93.10	33.40	77.70	254.00
LW3-SB010E-C00FD	tissue	1	32.60	38.20	5.40	20.40	81.60	75.80	76.20	375.00	83.90	30.60	67.00	229.00
LW3-SB010W-C00B	tissue	1	634.00	192.00	126.00	822.00	1530.00	2530.00	804.00	5850.00	1260.00	376.00	942.00	3210.00
LW3-SB010W-C00F	tissue	1	66.50	30.80	9.16	89.80	165.00	270.00	82.70	652.00	153.00	44.20	108.00	371.00
LW3-SB011E-C00B	tissue	1	5340.00	587.00	23.44	284.00	7550.00	2880.00	12400.00	6800.00	377.00	1100.00	1440.00	2750.00
LW3-SB011E-C00F	tissue	1	726.00	75.80	29.10	38.70	1170.00	485.00	1850.00	1070.00	58.50	171.00	209.00	418.00
LW3-SB011W-C00B	tissue	1	83.90	181.00	27.70	61.00	159.00	220.00	174.00	1160.00	187.00	64.30	148.00	457.00
LW3-SB011W-C00F	tissue	1	3.90	24.30	7.03	7.56	20.90	30.80	19.80	156.00	25.40	9.12	21.50	65.60
LW3-SB02E-C00B	tissue	1	3410.00	305.00	607.00	1290.00	4490.00	6030.00	1750.00	28500.00	3030.00	799.00	2980.00	7740.00
LW3-SB02E-C00F	tissue	1	434.00	54.90	49.10	106.00	381.00	487.00	228.00	2710.00	323.00	82.40	282.00	764.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
LW3-SB03E-C00B	tissue	1	508.00	258.00	85.20	493.00	992.00	1390.00	797.00	4360.00	924.00	253.00	617.00	2170.00
LW3-SB03E-C00F	tissue	1	62.60	32.80	11.60	46.90	95.20	135.00	98.00	439.00	105.00	26.20	58.90	219.00
LW3-SB03W-C00B	tissue	1	247.00	260.00	56.20	249.00	506.00	708.00	484.00	2210.00	424.00	136.00	323.00	1160.00
LW3-SB03W-C00F	tissue	1	29.50	29.90	6.47	25.00	49.20	69.30	63.80	220.00	51.00	13.50	33.40	113.00
LW3-SB04E-C01B	tissue	1	848.00	231.00	342.00	1470.00	3300.00	4450.00	1360.00	20100.00	2480.00	725.00	2980.00	6340.00
LW3-SB04E-C01F	tissue	1	117.00	26.50	44.40	183.00	417.00	561.00	199.00	2530.00	337.00	85.20	365.00	760.00
LW3-SB04E-C02B	tissue	1	822.00	189.00	335.00	1460.00	3250.00	4350.00	1390.00	20400.00	2470.00	723.00	3010.00	6500.00
LW3-SB04E-C02F	tissue	1	112.00	28.40	48.00	171.00	389.00	517.00	203.00	2360.00	335.00	86.20	354.00	763.00
LW3-SB04W-C00B	tissue	1	318.00	256.00	52.00	324.00	666.00	908.00	727.00	2850.00	583.00	164.00	400.00	1470.00
LW3-SB04W-C00F	tissue	1	43.00	54.50	7.73	27.70	62.70	79.90	92.10	314.00	73.10	15.70	40.10	155.00
LW3-SB05W-C00B	tissue	1	332.00	242.00	54.80	334.00	712.00	1010.00	749.00	3240.00	622.00	176.00	452.00	1630.00
LW3-SB05W-C00F	tissue	1	38.30	35.70	7.73	32.50	70.60	92.20	77.90	346.00	74.20	22.00	49.10	170.00
LW3-SB06E-C00B	tissue	1	439.00	250.00	47.50	233.00	667.00	689.00	1310.00	2200.00	407.00	157.00	345.00	1130.00
LW3-SB06E-C00BD	tissue	1	430.00	284.00	48.40	248.00	730.00	746.00	1310.00	2260.00	425.00	164.00	358.00	1160.00
LW3-SB06E-C00F	tissue	1	47.40	39.80	8.38	25.60	71.20	70.70	137.00	242.00	53.80	19.30	38.10	126.00
LW3-SB06W-C00B	tissue	1	208.00	91.00	19.00	210.00	409.00	624.00	512.00	1850.00	322.00	108.00	256.00	833.00
LW3-SB06W-C00F	tissue	1	18.70	13.40	6.65	19.30	37.80	51.40	45.10	165.00	33.20	11.10	25.70	76.40
LW3-SB07E-C00B	tissue	1	690.00	168.00	26.50	198.00	1370.00	726.00	4170.00	2180.00	331.00	287.00	433.00	904.00
LW3-SB07E-C00F	tissue	1	78.80	13.72	7.73	19.60	127.00	65.40	343.00	232.00	38.00	30.80	45.10	89.40
LW3-SB07W-C00B	tissue	1	252.00	89.10	38.30	699.00	1170.00	2040.00	693.00	5960.00	1030.00	323.00	719.00	2700.00
LW3-SB07W-C00F	tissue	1	32.50	3.33	7.73	69.40	110.00	193.00	72.30	643.00	119.00	37.60	77.30	293.00
LW3-SB08E-C00B	tissue	1	253.00	215.00	32.00	137.00	411.00	514.00	527.00	1390.00	223.00	93.00	276.00	678.00
LW3-SB08E-C00F	tissue	1	6.64	42.80	7.73	20.70	54.20	69.90	73.20	199.00	35.50	16.40	39.80	94.60
LW3-SB08W-C00B	tissue	1	263.00	151.00	108.00	425.00	783.00	1480.00	485.00	4360.00	784.00	222.00	579.00	2090.00
LW3-SB08W-C00F	tissue	1	26.50	20.30	7.73	37.90	61.30	112.00	46.80	381.00	75.80	21.30	51.30	175.00
LW3-SB09E-C00B	tissue	1	426.00	450.00	71.40	212.00	672.00	712.00	906.00	1780.00	342.00	150.00	314.00	1010.00
LW3-SB09E-C00F	tissue	1	49.40	65.80	7.73	20.20	64.70	70.10	109.00	201.00	42.80	16.10	34.20	112.00
LW3-SB09W-C00B	tissue	1	560.00	180.00	213.00	3500.00	5810.00	10100.00	1130.00	32900.00	8400.00	1890.00	4660.00	22700.00
LW3-SB09W-C00F	tissue	1	52.20	38.80	36.00	296.00	489.00	844.00	109.00	2860.00	785.00	161.00	401.00	1870.00
LW3-SP01E-C00	tissue	1	108.00	68.10	6.65	55.50	139.00	195.00	76.50	816.00	142.00	34.90	112.00	395.00
LW3-SP01W-C00	tissue	1	111.00	208.00	8.38	29.80	160.00	262.00	129.00	1000.00	190.00	46.70	140.00	537.00
LW3-SP03E-C00	tissue	1	135.00	30.11	8.17	86.00	196.00	276.00	131.00	1080.00	181.00	42.40	147.00	490.00
LW3-SP04W-C00	tissue	1	132.00	30.11	7.73	84.30	195.00	279.00	172.00	994.00	167.00	40.20	133.00	429.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
LW3-SP05E-C00	tissue	1	234.00	31.98	8.78	153.00	335.00	435.00	340.00	1520.00	315.00	72.80	228.00	800.00
LW3-SP06W-C00	tissue	1	135.00	9.40	5.40	133.00	245.00	372.00	188.00	1200.00	176.00	34.70	168.00	354.00
LW3-SP07E-C00	tissue	1	247.00	11.69	7.73	59.50	158.00	188.00	155.00	625.00	87.50	20.70	78.00	205.00
LW3-SP07W-C00	tissue	1	129.00	23.32	6.12	115.00	238.00	373.00	168.00	1160.00	197.00	44.60	173.00	515.00
LW3-SP08E-C00	tissue	1	185.00	31.98	7.73	74.60	226.00	239.00	220.00	714.00	112.00	46.60	118.00	360.00
LW3-SP08W-C00	tissue	1	207.00	21.40	31.20	604.00	1090.00	1850.00	225.00	6210.00	1110.00	198.00	763.00	2740.00
LW3-SP09W-C00	tissue	1	313.00	60.10	46.40	343.00	712.00	1100.00	259.00	4060.00	735.00	151.00	533.00	1760.00
LW3-SP10E-C00	tissue	1	114.00	60.20	6.12	41.30	156.00	156.00	208.00	724.00	101.00	31.80	111.00	337.00
LW3-SP10W-C00	tissue	1	153.00	177.00	7.95	87.70	226.00	290.00	205.00	932.00	162.00	55.60	150.00	484.00
LW3-SP11E-C00	tissue	1	1510.00	30.11	6.65	244.00	7270.00	2230.00	14500.00	3520.00	287.00	1410.00	1010.00	1520.00
LW3-SP12E-C00	tissue	1	34.50	95.40	5.40	27.20	57.30	104.00	6.78	516.00	75.30	21.80	75.90	241.00
LW3-SP12W-ALT-C01	tissue	1	16.30	62.00	5.40	21.70	44.40	73.90	6.14	306.00	47.90	15.00	54.90	158.00
LW3-SP12W-ALT-C02	tissue	1	17.60	61.30	6.65	19.80	50.10	79.40	6.14	319.00	48.10	15.90	55.40	163.00
LW3-STW2-CW10-WR142	stormwater	3	0.50	1300.00	4.43	55.70	5.87	63.60	2.42	70.90	51.70	2.62	3.98	87.00
LW3-STW2-CW10-WR4	stormwater	3	4.94	64.80	17.42	11.03	9.81	51.00	6.17	10.65	9.63	6.63	8.53	50.30
LW3-STW2-CW30-WR4	stormwater	3	1.51	110.00	13.54	37.20	5.87	50.70	3.70	48.40	7.72	5.52	5.97	48.60
LW3-STW2-CW40-WR142	stormwater	3	4.37	968.00	13.54	45.70	3.10	60.90	1.75	75.20	42.80	2.62	2.93	84.30
LW3-STW-CW10-WR04	stormwater	3	4.37	49.71	13.54	6.85	4.36	8.97	3.70	6.58	7.16	4.93	5.40	7.57
LW3-STW-CW10-WR142	stormwater	3	1.51	515.00	6.83	3.95	3.10	5.12	3.70	3.58	7.16	5.52	5.97	4.87
LW3-STW-CW10-WR384	stormwater	3	2510.00	43.32	2000.00	4160.00	2150.00	6710.00	1100.00	229.00	363.00	256.00	827.00	3920.00
LW3-STW-CW20-H30	stormwater	3	4.37	499.00	134.00	225.00	118.00	313.00	30.20	352.00	205.00	45.30	83.30	410.00
LW3-STW-CW20-WR384	stormwater	3	44300.00	4580.00	#######	#######	#######	#######	29900.00	#######	#######	37400.00	76600.00	#######
LW3-STW-CW20-WR4	stormwater	3	10.83	59.10	23.61	12.67	12.17	27.80	5.40	13.06	16.20	8.08	8.55	15.69
LW3-STW-CW30-WR384	stormwater	3	27700.00	2070.00	78900.00	#######	68800.00	#######	16100.00	#######	#######	25100.00	49500.00	#######
LW3-STW-CW30-WR4	stormwater	3	4.37	259.00	13.54	42.20	27.60	21.75	1.75	62.60	9.63	2.38	2.68	77.20
LW3-STW-CW40-WR384	stormwater	3	12400.00	595.00	37300.00	62100.00	35100.00	88800.00	8160.00	62700.00	44700.00	10500.00	20300.00	#######
LW3-STW-GW10-WR142-D	stormwater	3	4.37	79.80	6.83	3.95	5.87	5.12	3.70	3.58	7.16	8.08	5.40	4.39
LW3-STW-GW10-WR142-T	stormwater	3	16.62	288.00	30.33	6.85	5.87	8.97	6.82	6.58	7.16	10.25	5.40	7.57
LW3-UG02A	sediment	2	4.78	124.00	9.78	13.80	10.40	21.40	5.43	16.90	12.90	4.04	6.92	30.00
LW3-UG02C	sediment	2	1.49	117.00	14.10	13.20	7.68	19.10	3.11	17.50	13.40	4.96	8.18	37.10
LW3-UG02E-1	sediment	2	3.10	113.00	17.80	16.10	10.10	24.80	4.29	21.90	16.30	5.29	9.73	43.50
LW3-UG02E-2	sediment	2	1.98	96.50	16.40	21.50	13.30	33.10	4.29	28.90	19.60	6.65	11.50	50.80
LW3-UG03A-1	sediment	2	2.41	135.00	16.30	16.30	10.40	23.40	4.29	26.70	22.90	7.70	14.10	39.30

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
LW3-UG03A-2	sediment	2	3.10	130.00	4.07	14.20	9.53	19.80	4.29	18.70	14.80	6.17	9.20	34.40
LW3-UG03A-3	sediment	2	3.87	139.00	16.20	16.40	6.37	28.50	4.29	18.80	16.40	7.39	5.33	42.90
LW3-UG03B	sediment	2	5.19	32.90	4.07	6.76	1.73	7.86	5.53	7.66	1.50	1.54	2.18	12.00
LW3-UG04B	sediment	2	3.10	53.10	10.60	18.10	12.20	27.60	4.29	28.10	18.50	2.50	10.00	48.30
LW3-UG06A	sediment	2	3.10	100.00	4.07	13.30	4.27	19.10	4.29	14.40	10.60	6.47	9.63	33.90
LW3-UG06B	sediment	2	4.43	115.00	14.10	12.50	8.01	18.50	4.29	16.90	10.70	5.28	7.55	32.40
LW3-UG11B	sediment	2	3.10	36.80	4.07	6.43	1.73	8.56	4.29	7.37	5.08	1.54	2.18	12.50
LW3-UG12A	sediment	2	5.68	162.00	9.78	17.60	14.10	28.80	4.29	23.40	20.00	7.19	11.90	47.80
LW3-UG12B	sediment	2	3.10	108.00	15.30	13.60	9.29	22.20	4.29	20.00	13.40	5.41	8.44	39.70
LW3-W3005-NB-C	surface water fro	3	8.10	19.00	3.61	3.61	4.38	8.23	6.37	9.70	3.45	0.86	1.84	8.00
LW3-W3005-NB-F	surface water fro	3	0.90	3.95	0.26	0.62	0.80	1.36	0.71	1.71	0.44	0.33	0.32	3.27
LW3-W3005-NS-C	surface water fro	3	8.82	20.90	3.89	5.00	5.51	10.80	6.52	12.40	4.72	1.03	2.44	10.40
LW3-W3005-NS-F	surface water fro	3	0.90	3.40	0.51	0.72	0.79	1.42	0.55	5.16	1.65	0.34	0.72	3.74
LW3-W3011-NB-C	surface water fro	3	5.23	20.90	1.25	1.57	2.23	3.61	4.56	4.04	1.26	0.43	0.95	3.33
LW3-W3011-NB-F	surface water fro	3	0.90	3.67	0.23	0.24	0.46	0.91	0.41	0.85	0.41	0.16	0.32	1.03
LW3-W3011-NS-C	surface water fro	3	5.16	22.00	1.38	1.54	2.27	3.70	4.48	4.24	1.31	0.46	0.99	3.51
LW3-W3011-NS-F	surface water fro	3	0.90	2.90	0.23	0.36	0.46	0.91	0.32	1.42	0.41	0.16	0.32	1.03
LW3-W3023-E-C	surface water fro	3	9.29	18.20	1.34	1.46	2.67	3.47	11.80	4.15	1.51	0.44	0.89	3.61
LW3-W3023-E-F	surface water fro	3	1.32	6.11	0.24	0.36	1.03	0.91	2.77	1.42	0.41	0.16	0.32	1.03
LW3-W3023-M-C	surface water fro	3	2.03	18.90	0.96	0.38	1.13	2.43	0.66	1.42	0.41	0.30	0.72	2.81
LW3-W3023-M-F	surface water fro	3	0.90	4.31	0.23	0.24	0.46	0.91	0.08	1.42	0.41	0.16	0.32	0.55
LW3-W3023-W-C	surface water fro	3	1.04	20.90	0.25	1.50	1.45	3.06	0.38	4.38	1.51	0.43	0.93	3.76
LW3-W3023-W-F	surface water fro	3	0.90	5.07	0.23	0.36	0.46	0.91	0.08	1.42	0.41	0.16	0.32	1.03
LW3-W3024-NB-C	surface water fro	3	1.01	17.20	0.24	0.38	1.24	2.74	0.29	3.74	1.17	0.37	0.87	3.00
LW3-W3024-NB-F	surface water fro	3	0.90	3.77	0.23	0.36	0.46	0.91	0.09	1.42	0.28	0.16	0.32	1.03
LW3-W3024-NS-C	surface water fro	3	1.04	19.40	0.24	1.26	1.39	3.20	0.36	4.22	1.25	0.43	1.03	3.51
LW3-W3024-NS-F	surface water fro	3	0.90	5.02	0.23	0.36	0.46	0.91	0.03	1.42	0.41	0.12	0.23	1.03
LW3-W3025-E-C	surface water fro	3	34.70	20.90	18.30	30.50	29.50	59.90	16.70	68.40	27.90	5.34	13.50	62.00
LW3-W3025-E-F	surface water fro	3	1.13	3.38	3.64	2.08	2.23	4.34	0.69	11.80	4.08	0.84	1.80	9.03
LW3-W3025-M-C	surface water fro	3	17.30	21.90	5.44	5.61	6.35	11.40	11.20	12.00	4.29	1.06	2.50	10.20
LW3-W3025-M-F	surface water fro	3	0.90	2.90	0.23	0.36	0.46	0.91	0.40	1.42	0.41	0.16	0.32	0.74
LW3-W3025-W-C	surface water fro	3	9.00	24.20	0.20	2.82	3.30	6.01	5.22	6.21	2.15	0.57	1.34	5.46
LW3-W3025-W-F	surface water fro	3	0.90	2.90	0.23	0.36	0.46	0.91	0.20	1.42	0.28	0.16	0.32	1.03

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
LW3-W3027-NB-C	surface water fro	3	6.11	17.10	0.38	2.52	3.22	6.28	4.57	6.48	2.25	0.62	0.47	5.74
LW3-W3027-NB-F	surface water fro	3	0.90	2.90	0.23	0.36	0.46	0.91	0.31	1.42	0.41	0.16	0.41	0.60
LW3-W3027-NS-C	surface water fro	3	7.16	20.70	0.38	2.79	3.64	6.89	5.48	7.21	2.68	0.71	1.53	6.14
LW3-W3027-NS-F	surface water fro	3	0.90	2.90	0.23	0.36	0.33	0.64	0.32	1.42	0.41	0.12	0.32	1.03
NCPS_0	Sediment	2	9.14	2.99	32.00	13.30	15.50	23.50	2.59	95.70	22.00	6.43	11.50	55.20
NCPS_1	Sediment	2	0.89	2.99	2.22	1.45	0.82	2.64	0.20	9.36	4.10	0.70	1.27	4.35
NCPS_2	Sediment	2	9.94	2.99	26.60	7.70	13.90	16.20	0.20	75.60	16.20	4.50	8.35	41.80
NCPS_3	Sediment	2	5.37	2.99	22.90	9.09	10.30	16.70	1.45	64.20	1.34	3.66	7.86	39.20
NCPS_4	Sediment	2	2.70	2.99	12.30	4.64	5.28	7.89	0.90	34.90	1.34	1.99	3.94	20.50
PSPS_1	Sediment	2	8.04	2.99	21.50	9.61	14.10	18.30	2.29	80.30	20.50	5.10	8.75	51.90
PSPS_2	Sediment	2	3.14	2.99	10.70	4.61	0.82	8.55	0.20	35.90	11.80	2.15	4.06	23.60
PSPS_3	Sediment	2	0.76	2.99	2.22	0.82	0.82	1.42	0.21	9.36	1.34	0.30	0.86	4.35
PSPS_8	Sediment	2	0.60	2.99	2.22	0.82	0.82	1.42	0.18	6.97	0.83	0.42	0.64	3.18
PSPS_9	Sediment	2	0.76	2.99	2.22	2.89	3.87	1.42	0.23	9.36	1.34	0.42	2.89	4.35
R_CAR_0	Sediment	2	1.50	2.99	4.44	1.85	2.08	2.96	0.20	14.50	4.56	0.84	0.86	9.21
R_CAR_1	Sediment	2	0.60	1.61	4.21	0.82	1.82	2.61	0.20	9.36	1.34	0.42	1.52	7.55
R_CAR_4	Sediment	2	1.83	2.99	9.41	3.70	0.82	6.19	0.20	34.30	8.59	2.24	0.86	20.40
R_CAR_5	Sediment	2	0.60	2.99	9.80	0.82	0.82	7.86	0.24	34.30	8.81	2.32	4.44	19.70
R_CAR_6_C	Sediment	2	1.04	2.99	4.09	0.82	1.63	2.44	0.42	9.36	0.83	0.56	0.86	6.50
R_DAB_0	Sediment	2	0.60	2.99	3.57	0.82	1.78	2.62	0.20	8.90	3.29	0.58	1.18	5.74
R_DAB_1	Sediment	2	9.68	2.99	16.00	0.82	10.40	12.30	0.23	44.00	12.90	2.43	4.24	25.10
R_DAB_2	Sediment	2	3.04	2.99	9.73	0.82	4.99	6.44	0.21	27.30	7.86	1.82	3.08	15.70
R_DAB_5	Sediment	2	4.62	2.99	14.20	0.82	8.30	12.40	1.39	41.60	11.30	2.28	4.90	25.20
R_DAB_7_C	Sediment	2	15.00	2.99	18.20	0.82	15.20	17.30	3.38	61.90	15.10	3.64	5.99	34.50
R_HOL_0	Sediment	2	0.60	5.50	5.32	1.84	2.37	3.31	0.67	14.00	1.34	0.79	1.37	8.12
R_HOL_1	Sediment	2	0.60	2.99	6.59	0.82	2.16	3.25	0.54	15.40	4.45	0.42	1.74	9.02
R_HOL_3	Sediment	2	0.95	2.99	4.82	0.82	1.31	1.98	0.18	9.57	3.16	0.53	0.98	6.04
R_HOL_4	Sediment	2	3.44	2.99	14.60	5.22	5.18	7.55	1.39	36.30	9.87	2.07	3.45	19.90
R_HOL_7	Sediment	2	2.84	2.99	17.50	0.82	4.81	7.98	1.06	44.10	9.74	0.42	3.74	23.20
R_SAM_0	Sediment	2	0.60	2.99	2.22	0.82	0.82	1.42	0.23	9.36	1.34	0.42	3.11	4.35
R_SAM_1	Sediment	2	0.76	2.99	2.22	0.82	0.82	1.42	0.30	9.36	1.34	0.42	0.86	4.35
R_SAM_3	Sediment	2	0.56	2.99	2.22	3.01	0.82	1.42	0.25	9.36	1.34	0.42	0.86	4.35
R_SAM_4	Sediment	2	2.44	2.99	2.22	0.82	0.82	1.42	0.21	9.36	1.34	0.42	0.86	4.35

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
R_SAM_5	Sediment	2	0.97	2.99	2.22	0.82	0.82	1.42	0.25	9.36	1.34	0.44	4.81	4.35
SCPS_1	Sediment	2	4.74	2.99	21.10	6.33	7.12	10.80	1.24	59.40	18.30	3.55	7.10	4.35
SCPS_10_C	Sediment	2	0.60	2.99	2.22	0.82	0.82	1.42	0.25	9.36	1.34	0.42	0.86	4.35
SCPS_2	Sediment	2	0.60	2.99	2.22	0.82	0.82	1.42	0.14	9.36	1.34	0.42	0.86	4.35
SCPS_3	Sediment	2	0.60	2.99	2.22	0.82	0.82	1.42	0.28	9.36	1.34	0.42	0.86	4.35
SCPS_5	Sediment	2	6.11	2.99	28.20	7.43	7.91	13.50	0.27	69.80	23.30	3.99	8.63	4.35
SJF_10_C	Sediment	2	0.60	1.61	2.22	0.82	0.82	1.42	0.20	9.36	1.34	0.42	0.86	4.35
SJF_3	Sediment	2	1.66	2.99	2.22	2.10	2.24	1.42	0.52	9.36	1.34	0.42	0.86	4.35
SJF_9_C	Sediment	2	2.38	2.99	2.22	3.30	3.38	1.42	0.67	9.36	1.34	0.42	0.86	4.35
SJI_0	Sediment	2	0.60	2.99	2.22	0.82	3.62	1.42	0.77	9.36	1.34	0.42	0.86	4.35
SJI_1	Sediment	2	3.02	2.99	2.22	3.56	3.85	1.42	0.20	9.36	1.34	0.42	0.86	4.35
SJI_20_C_GS	Sediment	2	3.87	2.99	2.22	8.67	8.10	15.90	1.65	51.80	18.30	2.79	6.09	35.20
SJI_3	Sediment	2	2.06	2.99	2.22	2.41	2.48	1.42	0.20	9.36	1.34	0.42	0.86	4.35
SJI_8_C	Sediment	2	1.91	5.50	2.22	2.46	2.38	1.42	0.18	9.36	1.34	0.42	0.86	4.35
SPSB_0	Sediment	2	5.37	2.99	20.00	5.34	6.67	9.10	1.62	45.70	2.03	2.23	4.12	27.60
SPSB_1	Sediment	2	8.12	2.99	2.22	0.82	7.09	9.68	2.17	42.90	14.20	0.42	3.93	25.60
SPSB_2	Sediment	2	7.80	2.99	2.22	5.39	7.65	10.30	1.71	45.50	1.34	0.42	0.86	27.40
SPSB_3	Sediment	2	1.36	2.99	2.22	2.43	1.99	1.42	0.18	9.36	1.34	0.42	0.86	4.35
SPSB_8_C	Sediment	2	1.08	2.99	2.22	1.30	1.40	1.42	0.18	9.36	1.34	0.42	0.86	4.35
SS_0	Sediment	2	4.63	2.99	2.22	4.63	0.82	8.92	1.36	45.00	1.34	2.57	0.86	25.60
SS_1	Sediment	2	0.99	2.99	2.22	1.06	1.18	1.42	0.25	9.36	1.34	0.42	0.86	4.35
SS_2	Sediment	2	3.15	2.99	2.22	2.62	3.59	1.42	0.74	11.90	2.03	0.42	1.10	5.62
SS_8_C	Sediment	2	4.72	2.99	2.22	4.16	5.88	8.09	0.18	39.40	1.34	2.29	4.02	4.35
SS_9_C	Sediment	2	8.91	2.99	22.00	6.24	7.66	1.42	0.23	66.00	1.34	3.82	5.90	36.50
UCS-A	Sediment	2	75.60	464.00	213.00	175.00	196.00	402.00	54.70	1060.00	359.00	65.50	161.00	875.00
UCS-B	Sediment	2	54.00	424.00	200.00	103.00	133.00	232.00	30.00	804.00	238.00	56.10	120.00	598.00
UCS-C	Sediment	2	55.90	413.00	205.00	102.00	127.00	227.00	34.90	742.00	227.00	50.70	111.00	552.00
UMCS-205-Invert	Invertebrate Tiss	1	12.70	257.00	48.80	32.70	43.00	76.10	10.20	326.00	90.80	18.20	40.30	199.00
UMCS-205-Sed	Sediment	2	42.70	445.00	193.00	83.00	94.00	166.00	27.10	564.00	167.00	34.20	77.20	375.00
UMCS-A	Sediment	2	54.20	57.66	178.00	71.70	118.00	187.00	32.50	632.00	125.00	75.60	126.00	359.00
UMCS-B	Sediment	2	58.60	57.66	143.00	70.70	132.00	201.00	34.40	637.00	114.00	82.50	136.00	371.00
UMCS-C	Sediment	2	48.20	57.66	127.00	58.60	86.00	146.00	24.50	404.00	93.00	34.90	61.50	266.00
US-FLO-Invert	Invertebrate Tiss	1	11.00	126.54	33.06	21.30	24.20	43.30	4.84	157.00	48.70	8.75	20.48	91.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
US-FLO-QA-Invert	Invertebrate Tiss	1	8.82	126.54	33.06	17.10	20.10	36.80	4.84	140.00	40.80	8.75	20.48	78.70
WGNM-Invert	Invertebrate Tiss	1	15.60	190.00	58.80	52.00	68.60	119.00	15.70	518.00	138.00	30.70	66.40	322.00
WGNM-Sed	Sediment	2	44.60	317.00	254.00	103.00	137.00	221.00	34.20	728.00	215.00	48.00	104.00	499.00
WS-IS-A	Sediment	2	94.70	657.00	325.00	229.00	335.00	602.00	60.50	1460.00	417.00	92.80	197.00	982.00
WS-IS-B	Sediment	2	175.00	984.00	437.00	314.00	411.00	821.00	90.90	1680.00	542.00	112.00	241.00	1300.00
WS-IS-C	Sediment	2	105.00	968.00	252.00	131.00	180.00	375.00	42.60	767.00	260.00	48.70	116.00	586.00
LW3-STW-CW10-WR22	stormwater	3	16200.00	440.00	3620.00	7070.00	5010.00	6800.00	4160.00	2920.00	3310.00	730.00	1340.00	6150.00
LW3-STW-CW20-WR22	stormwater	3	17200.00	250.00	3980.00	7660.00	5330.00	6590.00	4430.00	2810.00	3710.00	804.00	1540.00	7910.00
LW3-STW-CW30-WR22	stormwater	3	14600.00	280.00	3820.00	5620.00	4020.00	5300.00	3710.00	2440.00	2930.00	601.00	1210.00	6270.00
LW3-STW-GW10-WR22-D	stormwater	3	8630.00	43.32	13.54	109.00	130.00	124.00	312.00	10.60	11.88	13.63	10.66	7.57
LW3-STW-GW10-WR22-T	stormwater	3	56400.00	726.00	5840.00	14700.00	16100.00	10700.00	14000.00	1300.00	1450.00	323.00	739.00	3630.00
LW3-W3026-NB-C	surface water fro	3	26.80	22.60	11.70	17.70	18.60	38.30	12.40	40.60	16.20	3.21	8.61	37.70
LW3-W3026-NB-F	surface water fro	3	0.90	4.00	0.38	1.46	1.76	3.12	0.71	6.99	2.38	0.57	1.37	5.82
LW3-W3026-NS-C	surface water fro	3	35.10	29.60	14.10	18.10	18.80	38.60	13.40	45.50	18.30	3.67	9.20	41.00
LW3-W3026-NS-F	surface water fro	3	0.90	4.34	0.68	1.29	1.57	2.83	0.61	6.65	2.35	0.51	0.43	5.17
LW3-W3037-NB-C	surface water fro	3	5.44	23.20	1.74	0.50	2.70	4.36	2.80	4.94	1.69	0.60	1.10	4.33
LW3-W3037-NB-F	surface water fro	3	0.90	54.90	0.23	0.36	0.60	0.91	0.11	2.08	0.41	0.20	0.32	1.03
LW3-W3037-NS-C	surface water fro	3	4.30	19.80	0.31	2.14	2.71	5.03	2.38	5.23	1.82	0.54	1.12	4.80
LW3-W3037-NS-F	surface water fro	3	0.90	19.70	0.23	0.36	0.46	0.91	0.07	1.42	0.41	0.29	0.32	0.81
LW3-STW-CW20-WR161	stormwater	3	5.13	314.00	17.42	52.40	10.19	72.90	6.56	83.60	51.10	7.23	8.53	103.00
LW3-STW-CW30-WR161	stormwater	3	4.37	850.00	79.60	128.00	68.00	177.00	1.75	232.00	148.00	31.10	50.00	252.00
LW3-STW-CW40-WR161	stormwater	3	10.83	227.00	23.61	48.00	25.20	66.70	3.70	80.50	53.80	4.93	5.40	97.80
LW3-STW-GW10-WR161-D	stormwater	3	16.62	43.32	23.61	10.52	12.17	13.88	9.00	10.60	14.85	16.09	12.26	11.52
LW3-STW-GW10-WR161-T	stormwater	3	4.37	43.32	13.54	10.52	9.74	13.88	6.82	10.60	11.88	8.99	9.50	11.52
LW3-STW-GW20-WR161-D	stormwater	3	10.83	258.00	14.14	50.20	38.20	77.80	6.82	39.50	7.72	5.52	5.97	61.40
LW3-STW-GW20-WR161-T	stormwater	3	4.37	281.00	63.30	68.70	38.30	104.00	10.57	120.00	76.60	16.09	29.30	155.00
LW3-STW-CW20-WR123	stormwater	3	1430.00	507.00	6620.00	10200.00	5430.00	13600.00	1240.00	10200.00	7660.00	1600.00	3330.00	16500.00
LW3-STW-CW40-WR123	stormwater	3	829.00	363.00	2770.00	4920.00	2700.00	7080.00	651.00	5830.00	4170.00	947.00	1790.00	9230.00
LW3-STW-CW50-WR123	stormwater	3	108.00	96.10	593.00	615.00	292.00	767.00	75.70	830.00	602.00	126.00	232.00	1230.00
LW3-STW-GW10-WR123-D	stormwater	3	10.83	43.32	23.61	10.52	9.74	13.88	9.00	10.60	14.85	13.63	13.85	13.02
LW3-STW-GW10-WR123-T	stormwater	3	192.00	515.00	605.00	865.00	439.00	1120.00	125.00	947.00	643.00	145.00	281.00	1510.00
LW3-STW-CW10-WR67-2	stormwater	3	7.62	89.30	13.54	41.50	12.17	59.30	5.40	39.20	29.40	5.52	8.55	56.90
LW3-STW-CW20-WR67	stormwater	3	4.57	64.30	14.14	6.85	6.47	33.50	4.13	6.58	8.09	5.52	6.69	30.60

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
LW3-STW-CW30-WR67	stormwater	3	1.51	221.00	14.14	70.30	39.30	25.72	3.70	46.40	7.72	5.52	5.97	88.90
LW3-STW-CW40-WR67	stormwater	3	10.83	54.06	23.61	10.52	9.74	8.97	6.82	10.60	12.91	10.25	10.66	13.02
LW3-STW-CW60-WR67	stormwater	3	4.37	35.26	13.54	6.85	7.02	31.50	6.82	10.60	11.88	8.99	9.50	26.40
LW3-STW-CW30-SJB	stormwater	3	623.00	2510.00	1960.00	3510.00	1930.00	5010.00	417.00	5750.00	3380.00	756.00	1410.00	6410.00
LW3-STW-CW40-SJB	stormwater	3	5.32	708.00	172.00	211.00	115.00	315.00	40.00	319.00	191.00	40.80	76.90	404.00
LW3-STW-CW50-SJB	stormwater	3	427.00	724.00	996.00	2060.00	1170.00	3040.00	254.00	3340.00	1990.00	381.00	734.00	4170.00
LW3-STW-GW10-SJB-D	stormwater	3	4.37	144.00	13.54	115.00	63.90	168.00	3.70	161.00	87.30	4.93	32.50	174.00
LW3-STW-GW10-SJB-T	stormwater	3	262.00	1040.00	808.00	1590.00	828.00	2150.00	202.00	2450.00	1560.00	273.00	506.00	2480.00
WLCT4C07BsnM070324	stormwater	3	78.20	1390.00	317.00	348.00	206.00	497.00	53.80	354.00	235.00	64.90	111.00	537.00
WLCT4C07BsnM070407	stormwater	3	4.37	575.00	118.00	110.00	55.50	162.00	36.30	101.00	78.30	4.93	35.70	197.00
WLCT4C07BsnM070503	stormwater	3	4.75	398.00	177.00	162.00	75.90	197.00	39.80	167.00	118.00	25.80	57.00	244.00
WLCT4C07BsnQ070324	stormwater	3	349.00	590.00	996.00	1770.00	945.00	2440.00	216.00	2050.00	1290.00	272.00	512.00	2390.00
WLCT4C07BsnQ070407	stormwater	3	197.00	1390.00	419.00	645.00	359.00	924.00	85.60	821.00	513.00	116.00	219.00	1280.00
WLCT4C07BsnR070324	stormwater	3	301.00	1370.00	605.00	733.00	429.00	1060.00	99.20	1070.00	626.00	137.00	238.00	1320.00
WLCT4C07BsnR070407	stormwater	3	520.00	426.00	923.00	1360.00	684.00	1770.00	202.00	1430.00	997.00	203.00	375.00	1990.00
WLCT4C07BsnR070503	stormwater	3	9420.00	3320.00	23600.00	29200.00	15800.00	41400.00	4300.00	40000.00	23900.00	5000.00	9460.00	51200.00
WLCT4C07BsnL070324	stormwater	3	251.00	1830.00	759.00	1130.00	628.00	1600.00	140.00	1700.00	1160.00	212.00	382.00	2190.00
WLCT4C07BsnL070503	stormwater	3	235.00	537.00	675.00	1060.00	522.00	1420.00	141.00	1740.00	1160.00	223.00	428.00	2320.00
WLCT4C07BsnL070520	stormwater	3	590.00	2000.00	2550.00	4350.00	2240.00	5320.00	510.00	6360.00	5780.00	933.00	1730.00	10500.00
LW3-W3028-NB-C	surface water fro	3	12.40	17.70	5.53	8.16	9.30	18.30	6.70	22.50	9.10	1.69	4.64	19.40
LW3-W3028-NB-F	surface water fro	3	0.90	7.94	0.23	0.36	0.46	0.91	0.12	1.42	0.41	0.20	0.32	0.74
LW3-W3028-NS-C	surface water fro	3	23.90	25.70	15.20	17.50	17.70	36.90	10.80	45.10	17.90	3.42	8.62	39.90
LW3-W3028-NS-F	surface water fro	3	1.37	7.99	3.69	3.82	4.03	7.40	1.18	17.30	6.20	1.16	2.67	13.40
LW3-STW2-CW20-WR218	stormwater	3	4.37	79.30	67.10	123.00	55.00	155.00	3.70	83.00	78.10	5.52	42.10	213.00
LW3-STW-CW10-WR218	stormwater	3	4.37	124.00	104.00	145.00	64.40	182.00	1.75	162.00	155.00	1.65	54.50	290.00
LW3-STW-CW20-WR218	stormwater	3	4.57	45.01	68.70	91.00	33.90	101.00	4.28	53.40	57.80	5.69	6.94	117.00
LW3-W3038-NB-C	surface water fro	3	1.18	17.90	0.63	0.40	0.67	3.26	3.43	3.36	0.41	0.18	0.96	3.07
LW3-W3038-NB-F	surface water fro	3	0.90	12.90	0.23	0.36	0.46	0.91	0.30	1.42	0.41	0.27	0.32	0.81
LW3-W3038-NS-C	surface water fro	3	1.09	17.50	0.23	0.38	2.04	3.34	4.13	3.74	0.45	0.20	0.42	3.53
LW3-W3038-NS-F	surface water fro	3	0.90	9.33	0.23	0.36	0.46	0.91	0.50	1.42	0.41	0.16	0.32	1.03
WLCT4C07BsnT070324	stormwater	3	375.00	1000.00	1050.00	2060.00	1060.00	2870.00	234.00	2320.00	1420.00	277.00	561.00	2780.00
WLCT4C07BsnT070407	stormwater	3	282.00	1070.00	751.00	1120.00	584.00	1570.00	158.00	1210.00	780.00	163.00	314.00	1870.00
WLCT4C07BsnT070503	stormwater	3	1430.00	4610.00	3740.00	6530.00	3560.00	9250.00	822.00	8660.00	5400.00	1140.00	2220.00	11400.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
LW3-W3032-NB-C	surface water fro	3	11.90	23.90	1.44	1.71	3.85	4.40	16.20	5.19	1.61	0.71	1.21	4.45
LW3-W3032-NB-F	surface water fro	3	0.90	6.97	0.23	0.36	0.81	0.91	2.91	1.42	0.41	0.12	0.32	1.03
LW3-W3032-NS-C	surface water fro	3	29.00	24.20	0.24	1.78	6.94	4.71	42.70	5.69	1.66	0.96	1.40	4.35
LW3-W3032-NS-F	surface water fro	3	1.54	2.90	0.23	0.36	1.14	0.91	5.25	1.42	0.41	0.16	0.32	1.03
LW3-STW-CW10-OF22	stormwater	3	4.37	430.00	141.00	152.00	83.80	222.00	0.78	97.90	71.80	1.18	36.60	175.00
LW3-STW-CW20-OF22	stormwater	3	4.37	384.00	197.00	311.00	167.00	446.00	40.30	222.00	176.00	47.70	87.10	469.00
LW3-STW-CW20-OF22D	stormwater	3	4.37	362.00	197.00	299.00	153.00	415.00	46.00	241.00	184.00	49.50	92.80	517.00
LW3-STW-CW30-OF22	stormwater	3	10.83	106.00	55.50	58.80	29.40	81.50	10.57	36.70	33.30	16.09	16.10	92.80
LW3-STW-GW10-OF22-D	stormwater	3	10.83	65.90	23.61	10.52	9.74	13.88	5.40	10.60	11.88	8.08	10.66	11.52
LW3-STW-GW10-OF22-T	stormwater	3	4.37	1000.00	190.00	163.00	80.30	220.00	29.60	256.00	159.00	32.20	64.30	392.00
LW3-W3034-NB-C	surface water fro	3	4.68	20.90	1.53	0.59	2.29	4.63	2.93	4.95	1.70	0.48	1.06	4.40
LW3-W3034-NB-F	surface water fro	3	0.90	4.84	0.23	0.36	0.46	0.91	0.30	1.42	0.41	0.16	0.32	1.03
LW3-W3034-NS-C	surface water fro	3	4.32	21.40	0.36	2.07	2.40	4.59	3.44	5.17	1.75	0.55	1.32	4.28
LW3-W3034-NS-F	surface water fro	3	0.90	3.94	0.13	0.36	0.46	0.91	0.15	1.42	0.55	0.16	0.32	1.36
IE1567	Sediment	2	70.00	144.00	7.50	2.80	6.32	4.23	7.11	12.50	3.33	0.99	2.03	8.54
IE1568	Sediment	2	196.00	106.00	17.06	1.61	14.00	5.16	24.00	15.20	3.71	1.81	3.33	10.00
IE1569	Sediment	2	60.00	113.00	14.22	3.50	5.40	5.12	6.50	14.80	3.89	0.70	2.18	9.63
IE1570	Sediment	2	26.70	172.00	17.06	2.80	20.50	42.00	6.60	68.00	18.90	4.08	10.50	54.30
IE1571	Sediment	2	416.00	130.00	38.00	3.80	51.00	11.30	43.00	40.00	7.27	6.54	11.20	28.00
IE1572	Sediment	2	46.00	123.00	8.60	2.91	4.95	6.39	5.36	17.30	4.60	1.04	2.35	12.00
IE1573	Sediment	2	120.00	120.00	17.06	3.89	8.75	9.05	11.70	20.00	5.33	1.36	2.75	13.50
IE1574	Sediment	2	232.00	9.60	288.00	212.00	422.00	721.00	65.00	1540.00	464.00	103.00	232.00	1140.00
IE1575	Sediment	2	149.00	20.06	293.00	207.00	387.00	646.00	50.00	1450.00	489.00	97.00	223.00	1130.00
IE1576	Sediment	2	24.00	23.00	58.00	12.00	17.00	37.00	5.56	138.00	32.00	5.50	12.20	92.00
IE1577	Sediment	2	34.00	31.00	63.00	42.00	66.00	126.00	14.00	277.00	84.00	15.00	38.00	219.00
IE1578	Sediment	2	48.40	20.06	171.00	113.00	202.00	356.00	20.20	897.00	274.00	56.50	123.00	678.00
IE1579	Sediment	2	18.00	13.42	14.22	2.80	2.71	1.83	2.91	2.77	1.71	0.70	1.02	2.15
IU4814	Sediment	2	41.70	135.00	72.50	61.60	77.80	147.00	18.20	356.00	102.00	22.10	45.50	260.00
IU4815	Sediment	2	103.00	175.00	218.00	169.00	239.00	506.00	45.30	1150.00	320.00	72.00	152.00	864.00
IU4816	Sediment	2	134.00	894.00	299.00	152.00	335.00	634.00	55.00	1370.00	404.00	86.30	181.00	1080.00
IU4817	Sediment	2	97.00	341.00	218.00	122.00	251.00	503.00	47.70	1140.00	343.00	70.70	151.00	899.00
IU4818	Sediment	2	29.10	275.00	39.80	27.10	39.40	78.40	9.70	188.00	51.30	9.70	22.90	141.00
IU4819	Sediment	2	18.77	336.00	67.30	35.60	69.90	130.00	12.40	312.00	87.10	4.15	35.10	210.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-004	PCB-011	PCB-015	PCB-016	PCB-017	PCB-018	PCB-019	PCB-020	PCB-022	PCB-025	PCB-026	PCB-031
IU4820	Sediment	2	20.61	65.20	66.30	47.70	74.00	160.00	48.00	408.00	110.00	17.30	47.80	291.00
IU4821	Sediment	2	36.00	186.00	68.60	36.50	17.31	134.00	23.90	308.00	82.60	15.80	36.30	217.00
IU4822	Sediment	2	20.61	175.00	121.00	60.20	92.80	218.00	23.10	487.00	135.00	27.40	60.70	358.00
IU4823	Sediment	2	93.40	197.00	256.00	101.00	185.00	409.00	44.40	891.00	259.00	101.00	198.00	728.00
IU4824	Sediment	2	86.60	180.00	209.00	143.00	151.00	340.00	42.30	796.00	201.00	65.80	130.00	599.00
IU4825	Sediment	2	20.61	58.10	65.20	17.90	18.90	38.20	10.10	98.50	25.50	2.07	10.70	71.00
IU4826	Sediment	2	87.20	203.00	136.00	77.70	90.40	177.00	34.80	450.00	122.00	27.60	57.00	326.00
IU4827	Sediment	2	99.80	289.00	176.00	100.00	152.00	305.00	27.50	711.00	195.00	42.80	90.00	529.00
IU4828	Sediment	2	100.00	285.00	42.95	113.00	165.00	44.36	11.95	732.00	228.00	51.00	103.00	548.00
IU4829	Sediment	2	24.47	274.00	54.20	46.30	57.10	118.00	7.44	255.00	71.50	3.22	32.60	186.00
IU4830	Sediment	2	24.47	356.00	66.80	36.00	46.40	18.75	9.80	252.00	73.30	13.80	31.40	188.00
IU4831	Sediment	2	25.70	26.24	20.27	46.30	64.00	140.00	10.80	270.00	85.00	17.60	38.10	213.00
IU4832	Sediment	2	44.90	30.85	150.00	181.00	238.00	490.00	11.11	900.00	318.00	63.00	140.00	711.00
IU4833	Sediment	2	65.00	45.00	130.00	128.00	170.00	345.00	24.80	715.00	243.00	48.00	105.00	557.00
IU4834	Sediment	2	8.59	26.24	53.00	17.30	21.00	42.70	3.12	120.00	32.70	6.90	13.00	83.00
IU4835	Sediment	2	34.10	71.00	73.00	68.00	91.00	198.00	8.67	396.00	119.00	21.60	51.50	312.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
LW3-STW2-CW10-WR96	stormwater	3	111.00	126.00	171.00	350.00	579.00	83.40	38.00	81.50	540.00	293.00	496.00	0.68
LW3-STW-CW30-WR96	stormwater	3	194.00	226.00	335.00	609.00	1050.00	158.00	72.10	150.00	906.00	592.00	827.00	3.97
LW3-STW-CW40-WR96	stormwater	3	63.00	79.30	113.00	226.00	385.00	67.50	30.80	49.00	379.00	219.00	317.00	2.59
LW3-STW-GW10-WR96-D	stormwater	3	29.30	33.50	51.10	100.00	156.00	8.30	5.43	9.06	45.08	91.80	142.00	3.97
LW3-STW-GW10-WR96-T	stormwater	3	59.70	95.80	133.00	283.00	456.00	77.40	38.20	61.70	465.00	201.00	295.00	3.97
LW3-W3033-2-NB-C	surface water fro	3	1.26	3.64	1.66	0.13	7.61	2.12	0.57	1.23	9.32	1.81	7.41	0.14
LW3-W3033-2-NB-F	surface water fro	3	0.21	1.45	0.68	0.05	2.92	0.56	0.08	0.46	3.34	1.34	5.10	0.07
LW3-W3033-2-NS-C	surface water fro	3	1.36	3.93	1.63	0.25	7.85	2.01	0.58	1.24	9.09	1.85	7.55	0.19
LW3-W3033-2-NS-F	surface water fro	3	0.21	1.26	0.57	0.09	2.50	0.46	0.12	0.24	2.80	1.15	4.30	0.10
LW3-W3033-NB-C	surface water fro	3	1.05	3.41	1.70	0.22	7.35	2.03	0.19	1.23	8.83	1.63	6.57	0.08
LW3-W3033-NB-F	surface water fro	3	0.22	1.52	0.72	0.10	3.14	0.59	0.15	0.44	3.50	1.41	5.33	0.08
LW3-W3033-NS-C	surface water fro	3	1.17	3.82	1.66	0.37	8.41	2.12	0.19	1.08	8.92	1.73	7.30	0.17
LW3-W3033-NS-F	surface water fro	3	0.21	1.42	0.67	0.04	2.99	0.54	0.14	0.46	3.40	1.35	4.89	0.12
060403-FIL-1	Surface Water	3	0.10	0.16	0.09	0.00	0.48	0.05	0.00	0.06	0.82	0.17	1.03	0.05
060403-XAD-1	Surface Water	3	0.14	0.30	0.18	0.02	1.09	0.13	0.05	0.11	1.58	0.21	1.21	0.03
060404-FIL-2	Surface Water	3	0.10	0.11	0.07	0.00	0.33	0.04	0.00	0.05	0.49	0.13	0.65	0.04
060404-XAD-2	Surface Water	3	0.15	0.25	0.15	0.02	0.81	0.11	0.04	0.10	1.04	0.19	0.96	0.03
070910-SPMD1A	Surface Water	3	1130.00	2060.00	878.00	227.00	3510.00	747.00	246.00	941.00	3930.00	1030.00	4420.00	125.00
070910-SPMD1B	Surface Water	3	966.00	1650.00	737.00	201.00	2890.00	640.00	213.00	795.00	3330.00	803.00	3700.00	104.00
070910-SPMD2A	Surface Water	3	1100.00	1880.00	925.00	175.00	3660.00	688.00	236.00	833.00	4840.00	1010.00	5620.00	147.00
070910-SPMD2B	Surface Water	3	1140.00	2080.00	1030.00	212.00	4210.00	852.00	279.00	1000.00	5800.00	975.00	5720.00	142.00
070910-SPMD3A	Surface Water	3	1270.00	2190.00	1090.00	228.00	4150.00	953.00	307.00	1090.00	5170.00	1020.00	5530.00	154.00
070910-SPMD3B	Surface Water	3	1060.00	1820.00	898.00	186.00	3400.00	771.00	248.00	882.00	4200.00	879.00	4640.00	129.00
071022-SPMD1A	Surface Water	3	1460.00	2770.00	1310.00	279.00	4690.00	1140.00	361.00	1340.00	5360.00	1240.00	5570.00	153.00
071022-SPMD1B	Surface Water	3	1010.00	1880.00	882.00	187.00	3180.00	772.00	254.00	872.00	3640.00	813.00	3830.00	102.00
071022-SPMD2A	Surface Water	3	847.00	1460.00	668.00	128.00	2700.00	526.00	174.00	600.00	3640.00	788.00	4080.00	92.00
071022-SPMD2B	Surface Water	3	851.00	1560.00	714.00	135.00	3360.00	566.00	197.00	620.00	5210.00	938.00	5640.00	114.00
071022-SPMD3A	Surface Water	3	942.00	1550.00	736.00	148.00	2710.00	635.00	207.00	723.00	3330.00	760.00	3420.00	94.20
071022-SPMD3B	Surface Water	3	943.00	1500.00	715.00	148.00	2600.00	614.00	200.00	704.00	3060.00	773.00	3370.00	94.30
071102-SPMD1A	Surface Water	3	886.00	1490.00	673.00	127.00	2330.00	520.00	171.00	629.00	2470.00	836.00	3080.00	78.00
071102-SPMD1B	Surface Water	3	641.00	1080.00	500.00	96.10	1730.00	372.00	126.00	472.00	1870.00	552.00	2210.00	56.90
071102-SPMD2A	Surface Water	3	827.00	1400.00	650.00	125.00	2480.00	511.00	169.00	596.00	3090.00	767.00	3500.00	88.00
071102-SPMD2B	Surface Water	3	755.00	1330.00	597.00	116.00	2300.00	443.00	153.00	518.00	2950.00	761.00	3440.00	79.30

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
071102-SPMD3A	Surface Water	3	955.00	1580.00	750.00	145.00	2680.00	588.00	192.00	708.00	3180.00	845.00	3670.00	95.40
071102-SPMD3B	Surface Water	3	906.00	1650.00	772.00	151.00	2710.00	551.00	184.00	728.00	3040.00	938.00	3900.00	103.00
08021252XAD	Surface Water	3	0.12	0.21	0.10	0.00	0.53	0.02	0.03	0.00	0.88	0.12	0.67	0.02
08021252XAD-FIL	Surface Water	3	0.00	0.08	0.04	0.00	0.01	0.00	0.00	0.03	0.25	0.10	0.43	0.01
08021354XAD	Surface Water	3	0.12	0.20	0.10	0.02	0.11	0.01	0.03	0.09	0.86	0.12	0.66	0.01
08021354XAD-FIL	Surface Water	3	0.08	0.22	0.08	0.03	1.95	0.48	0.02	0.05	0.63	0.13	0.56	0.02
08022156XAD	Surface Water	3	0.13	0.20	0.10	0.00	0.11	0.01	0.03	0.00	0.85	0.13	0.68	0.01
08022156XAD-FIL	Surface Water	3	0.12	0.15	0.08	0.01	0.46	0.01	0.01	0.06	0.56	0.18	1.00	0.01
08022453XAD	Surface Water	3	0.15	0.21	0.11	0.03	0.71	0.04	0.04	0.00	0.94	0.15	0.74	0.02
08022453XAD-FIL	Surface Water	3	0.08	0.20	0.08	0.03	1.61	0.38	0.02	0.05	0.63	0.14	0.57	0.01
08022555XAD	Surface Water	3	0.12	0.22	0.11	0.02	0.62	0.09	0.03	0.00	0.94	0.15	0.69	0.01
08022555XAD-FIL	Surface Water	3	0.00	0.09	0.06	0.01	0.01	0.00	0.01	0.04	0.36	0.12	0.56	0.01
08022757XAD	Surface Water	3	0.13	0.19	0.10	0.02	0.54	0.09	0.03	0.08	0.75	0.13	0.62	0.01
08022757XAD-FIL	Surface Water	3	0.07	0.10	0.06	0.01	0.01	0.01	0.01	0.04	0.33	0.11	0.52	0.01
08022959XAD	Surface Water	3	0.15	0.22	0.13	0.02	0.64	0.10	0.03	0.00	0.97	0.15	0.74	0.02
08022959XAD-FIL	Surface Water	3	0.07	0.09	0.07	0.01	0.30	0.00	0.01	0.04	0.34	0.10	0.50	0.01
08030460XAD	Surface Water	3	0.15	0.22	0.13	0.02	0.65	0.09	0.03	0.00	0.90	0.16	0.75	0.02
08030460XAD-FIL	Surface Water	3	0.08	0.10	0.08	0.01	0.37	0.01	0.01	0.05	0.39	0.12	0.57	0.01
08030661XAD	Surface Water	3	0.15	0.23	0.13	0.02	0.74	0.11	0.03	0.00	0.00	0.17	0.78	0.02
08030661XAD-FIL	Surface Water	3	0.11	0.12	0.08	0.01	0.43	0.01	0.01	0.05	0.45	0.16	0.82	0.01
08030758XAD	Surface Water	3	0.15	0.22	0.12	0.02	0.80	0.11	0.03	0.00	0.99	0.14	0.79	0.02
08030758XAD-FIL	Surface Water	3	0.07	0.10	0.07	0.01	0.34	0.01	0.01	0.04	0.37	0.13	0.58	0.01
ACOE-BAIT	Bait (used in trap	1	0.16	0.76	7.55	1.59	2.37	0.51	0.10	0.27	3.88	0.36	3.90	16.79
P01-CF	Crayfish	1	3.31	0.49	0.61	0.12	4.56	0.14	0.05	0.50	2.76	0.79	13.90	1.70
P04-CF	Crayfish	1	2.55	0.99	1.44	0.05	12.40	0.26	0.08	0.72	10.00	1.60	44.60	10.60
P04-Clam	Clam Tissue	1	58.10	494.00	982.00	14.30	8950.00	65.20	7.57	209.00	3660.00	697.00	3230.00	42.60
P04-Sed	Sediment	2	8.11	97.60	39.80	4.96	403.00	21.60	7.95	14.70	964.00	117.00	1250.00	12.70
P05-CF	Crayfish	1	4.15	1.34	0.79	0.18	7.96	0.43	0.15	0.76	16.90	1.47	213.00	23.50
P05-Clam	Clam Tissue	1	43.00	114.00	262.00	4.49	1760.00	22.20	3.71	72.20	665.00	180.00	729.00	15.10
P05-Sed	Sediment	2	0.26	1.38	0.72	0.11	6.40	0.55	0.21	0.24	13.10	1.28	11.80	0.13
P06-CF	Crayfish	1	4.29	1.57	2.24	0.14	24.00	0.31	0.07	0.67	17.80	2.13	140.00	33.80
P06-Clam	Clam Tissue	1	53.70	182.00	341.00	10.90	2430.00	34.20	6.15	101.00	1320.00	243.00	1210.00	21.50
P06-Sed	Sediment	2	0.81	2.88	1.44	0.28	13.70	0.54	0.25	0.71	32.90	3.93	37.30	0.49

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
P07-CF	Crayfish	1	8.02	0.75	0.59	0.11	6.23	0.25	0.04	0.76	4.46	1.23	109.00	14.60
P07-Clam	Clam Tissue	1	35.10	104.00	255.00	5.57	1710.00	19.90	3.13	63.10	501.00	147.00	542.00	11.60
P07-Sed	Sediment	2	1.63	7.84	4.32	0.65	37.00	1.45	0.61	1.79	87.00	9.68	85.80	0.96
P08-CF	Crayfish	1	1.79	0.46	0.58	0.12	4.23	0.16	0.08	0.26	2.56	0.39	16.10	5.17
P08-Clam	Clam Tissue	1	35.90	83.80	195.00	6.01	1050.00	17.50	2.86	63.10	392.00	115.00	446.00	10.70
P08-Sed	Sediment	2	2.05	3.21	1.92	0.30	15.70	0.66	0.22	1.01	34.10	5.45	45.70	0.71
P09-Sed	Sediment	2	3.00	7.96	4.65	0.59	34.80	0.93	0.61	2.24	70.80	10.40	85.70	1.46
P100-CF	Crayfish	1	3.58	0.72	0.67	0.09	2.84	0.23	0.03	0.27	3.11	0.35	13.20	1.42
P10-Clam	Clam Tissue	1	27.70	63.70	133.00	4.04	633.00	13.40	2.15	45.30	284.00	89.00	317.00	7.84
P10-Sed	Sediment	2	3.20	4.57	2.83	0.46	19.00	0.63	0.34	1.46	32.20	6.92	45.60	0.82
P110-CF	Crayfish	1	2.59	0.65	0.51	8.80	2.15	0.14	0.38	0.32	1.89	0.80	6.60	0.78
P110-Clam	Clam Tissue	1	47.70	102.00	107.00	6.41	399.00	22.40	5.07	57.70	322.00	109.00	394.00	10.50
P110-Sed	Sediment	2	5.85	5.92	3.75	0.30	16.90	1.67	0.64	2.40	21.60	6.87	34.60	1.00
P110-SP	Sculpin	1	2.36	35.10	15.60	5.01	104.00	4.24	0.61	15.20	161.00	17.10	249.00	12.20
P111-Sed	Sediment	2	7.23	6.31	3.67	0.47	16.10	1.83	0.70	2.42	22.50	8.25	39.70	1.18
P11-Clam	Clam Tissue	1	35.30	68.10	121.00	4.35	456.00	14.70	2.69	51.10	279.00	91.00	344.00	9.51
P11-Sed	Sediment	2	6.47	7.50	4.07	0.56	17.10	2.37	0.82	3.00	24.70	7.60	33.00	0.71
P13-CF	Crayfish	1	1.52	0.34	0.07	0.23	1.13	0.13	0.10	0.09	1.56	0.12	6.77	1.75
P13-Clam	Clam Tissue	1	39.00	81.10	184.00	3.92	665.00	21.40	3.53	69.50	347.00	106.00	425.00	11.90
P13-Sed	Sediment	2	3.96	3.03	2.68	0.21	10.40	0.73	0.20	1.39	10.90	3.87	17.60	0.45
P14-CF	Crayfish	1	1.01	0.44	0.07	0.23	1.28	0.09	0.11	0.20	1.72	0.22	4.72	1.24
P14-Clam	Clam Tissue	1	41.70	80.60	179.00	3.72	647.00	20.60	3.43	67.00	339.00	115.00	446.00	12.40
P14-Sed	Sediment	2	0.75	0.48	0.28	0.08	1.32	0.09	0.21	0.18	1.73	0.76	3.69	0.07
P15-CF	Crayfish	1	5.58	0.63	0.46	0.37	2.98	0.14	0.15	0.20	2.28	0.44	7.95	1.88
P15-Clam	Clam Tissue	1	35.20	64.40	124.00	3.83	458.00	15.60	2.60	48.00	262.00	86.50	319.00	8.78
P15-Sed	Sediment	2	4.00	4.98	3.66	0.36	14.80	1.48	0.46	2.11	17.00	6.32	26.90	0.73
P16-CF	Crayfish	1	3.88	0.50	0.27	0.37	3.12	0.26	0.17	0.50	2.58	0.79	14.00	2.48
P16-Clam	Clam Tissue	1	30.60	64.30	128.00	4.33	484.00	14.20	2.45	49.90	261.00	80.00	307.00	8.57
P16-Sed	Sediment	2	5.01	3.83	2.43	0.23	9.75	1.15	0.40	1.63	11.80	5.47	22.20	0.53
P17-CF	Crayfish	1	1.51	0.67	0.92	0.53	3.28	0.19	0.19	0.76	2.72	0.84	8.04	0.62
P17-Clam	Clam Tissue	1	31.80	66.50	132.00	4.24	484.00	16.70	2.77	54.00	277.00	89.60	330.00	9.25
P17-Sed	Sediment	2	2.94	2.55	1.55	0.19	6.35	0.78	0.24	1.05	8.12	4.29	18.50	0.48
P18-CF	Crayfish	1	2.84	0.53	0.27	0.37	2.17	0.18	0.15	0.23	2.14	0.52	8.64	1.91

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
P18-Clam	Clam Tissue	1	36.10	77.60	141.00	4.68	504.00	18.00	3.03	58.00	296.00	101.00	358.00	10.00
P18-Sed	Sediment	2	2.21	2.30	1.75	0.14	7.14	0.60	0.18	1.05	8.54	3.56	15.40	0.38
P19-CF	Crayfish	1	2.37	0.46	0.46	0.13	3.98	0.17	0.05	0.20	2.03	0.31	9.75	1.10
P20-CF	Crayfish	1	2.81	0.55	0.56	0.17	3.41	0.21	0.07	0.65	2.63	0.70	11.30	1.59
P21-CF	Crayfish	1	6.25	0.51	0.67	0.72	4.45	0.19	0.24	0.65	2.93	0.79	14.50	1.69
P21-Clam	Clam Tissue	1	32.40	63.20	122.00	4.15	452.00	14.80	2.51	49.70	261.00	79.60	300.00	8.44
P21-Sed	Sediment	2	2.60	1.52	1.11	0.12	5.02	0.44	0.14	0.68	7.33	2.64	13.30	0.35
P22-CF	Crayfish	1	1.02	0.28	0.07	0.22	1.05	0.14	0.09	0.09	0.87	0.12	0.65	0.61
P22-Clam	Clam Tissue	1	38.50	76.30	148.00	3.19	556.00	18.30	3.18	59.60	319.00	108.00	395.00	10.70
P22-Sed	Sediment	2	1.67	1.65	1.06	0.15	4.57	0.47	0.15	0.65	6.24	2.37	11.50	0.30
P24-Clam	Clam Tissue	1	35.20	74.70	156.00	3.61	591.00	20.20	3.14	63.70	327.00	93.80	366.00	10.50
P24-Sed	Sediment	2	1.57	1.58	1.15	0.12	5.29	0.42	0.14	0.69	6.44	2.38	10.80	0.26
P26-Clam	Clam Tissue	1	30.60	84.90	168.00	0.37	630.00	23.30	3.82	71.60	381.00	95.50	382.00	10.90
P26-Sed	Sediment	2	1.10	1.14	0.88	0.08	3.94	0.36	0.10	0.48	4.64	1.73	7.36	0.17
P27-Clam	Clam Tissue	1	31.50	82.50	180.00	0.37	648.00	20.30	3.47	65.10	339.00	111.00	426.00	11.60
P27-Sed	Sediment	2	2.22	2.70	3.84	0.20	18.00	0.77	0.17	1.48	12.60	3.74	14.20	0.38
P28-Clam	Clam Tissue	1	36.80	79.10	179.00	3.48	680.00	20.90	3.23	66.90	337.00	106.00	381.00	10.80
P28-Sed	Sediment	2	1.93	1.55	0.94	0.15	4.46	0.48	0.18	0.64	6.31	2.46	10.70	0.28
P29-Clam	Clam Tissue	1	56.30	138.00	235.00	6.01	784.00	37.40	5.74	111.00	431.00	106.00	445.00	13.30
P29-Sed	Sediment	2	4.09	3.73	2.22	0.31	8.76	1.13	0.36	1.76	10.40	3.18	15.00	0.39
P33-CF	Crayfish	1	3.32	0.83	0.51	0.27	2.07	0.22	0.11	0.37	3.66	0.43	9.41	1.06
P34-Clam	Clam Tissue	1	58.20	150.00	261.00	6.02	818.00	41.40	6.16	126.00	442.00	108.00	454.00	13.70
P34-Sed	Sediment	2	4.73	6.64	4.01	0.54	21.40	1.80	0.65	3.03	37.50	6.34	40.30	0.78
P35-Clam	Clam Tissue	1	54.60	132.00	233.00	5.77	791.00	35.40	6.10	105.00	462.00	121.00	521.00	15.30
P35-Sed	Sediment	2	2.10	2.03	1.14	0.13	5.03	0.53	0.17	0.70	7.05	2.04	10.50	0.26
P36-Clam	Clam Tissue	1	53.00	121.00	207.00	7.01	699.00	31.20	5.76	98.10	416.00	117.00	518.00	14.00
P36-Sed	Sediment	2	2.15	1.76	1.30	0.16	5.26	0.52	0.14	0.83	6.82	2.41	11.40	0.27
P37-Clam	Clam Tissue	1	49.80	98.30	203.00	5.94	689.00	31.20	5.40	90.60	385.00	107.00	437.00	12.00
P37-Sed	Sediment	2	2.41	1.96	1.28	0.13	4.90	0.59	0.17	0.93	6.40	2.31	11.00	0.26
P38/42-CF	Crayfish	1	4.39	0.93	0.46	0.09	2.87	0.28	0.29	0.36	2.94	0.54	11.60	1.20
P38-Clam	Clam Tissue	1	43.90	98.10	168.00	6.44	599.00	26.90	4.93	77.50	353.00	102.00	434.00	11.40
P38-Sed	Sediment	2	1.97	1.98	2.02	0.18	8.45	0.47	0.16	1.03	8.74	2.35	11.10	0.25
P39-Clam	Clam Tissue	1	48.00	103.00	185.00	6.63	665.00	27.00	4.81	83.40	394.00	114.00	493.00	12.10

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
P39-Sed	Sediment	2	1.35	0.79	0.52	0.07	2.44	0.21	0.07	0.34	3.71	1.51	7.25	0.19
P40-Clam	Clam Tissue	1	53.70	102.00	183.00	7.40	681.00	28.70	4.83	84.20	420.00	112.00	455.00	12.70
P40-Sed	Sediment	2	1.54	1.32	1.44	0.09	5.89	0.36	0.10	0.73	6.06	2.30	9.82	0.27
P41-Clam	Clam Tissue	1	52.10	98.70	178.00	7.19	678.00	27.80	4.82	81.70	419.00	112.00	458.00	13.00
P41-Sed	Sediment	2	1.45	0.87	0.74	0.06	3.11	0.24	0.10	0.44	3.99	1.47	6.76	0.16
P42-Clam	Clam Tissue	1	45.10	81.90	151.00	6.16	598.00	22.60	3.86	67.90	368.00	98.90	411.00	11.40
P42-Sed	Sediment	2	0.94	0.66	0.42	0.17	2.07	0.20	0.07	0.28	2.73	1.10	4.36	0.10
P46-Sed	Sediment	2	0.50	0.29	0.20	0.13	1.14	0.13	0.15	0.13	1.48	0.48	2.42	0.25
P47-Sed	Sediment	2	1.04	0.66	0.51	0.22	2.20	0.26	0.08	0.31	4.19	1.02	6.30	0.11
P48-Sed	Sediment	2	1.23	0.67	0.38	0.38	1.80	0.27	0.10	0.30	2.84	0.94	4.78	0.10
P49-Sed	Sediment	2	4.29	3.77	1.94	0.32	7.04	1.22	0.39	1.74	11.10	4.57	17.10	0.49
P50-Sed	Sediment	2	3.96	4.64	2.82	0.38	12.20	1.51	0.52	1.65	20.30	5.85	30.30	0.73
P51-Sed	Sediment	2	0.82	0.90	0.52	0.22	2.59	0.28	0.15	0.31	3.57	1.14	5.62	0.15
P65-Clam	Clam Tissue	1	45.10	87.80	163.00	4.21	610.00	22.40	3.78	72.50	376.00	106.00	459.00	12.90
P65-Sed	Sediment	2	1.88	1.26	0.83	0.06	4.16	0.32	0.14	0.56	6.22	1.96	10.50	0.27
P67-Sed	Sediment	2	0.44	0.55	0.28	0.34	1.03	0.10	0.06	0.16	1.07	0.71	2.07	0.34
P72-CF	Crayfish	1	2.40	0.60	0.24	0.32	1.66	0.21	0.13	0.25	2.50	0.42	7.41	1.19
P73-CF	Crayfish	1	3.36	0.36	0.26	0.37	1.66	0.21	0.15	0.18	1.63	0.37	8.95	1.23
P74-CF	Crayfish	1	2.38	0.36	0.43	0.53	2.45	0.14	0.21	0.24	1.50	0.42	10.30	1.22
P75-CF	Crayfish	1	2.68	0.66	0.79	0.43	3.92	0.24	0.17	0.34	3.40	0.54	12.30	1.19
P76-CF	Crayfish	1	1.33	0.42	0.27	0.49	1.66	0.18	0.20	0.19	1.63	0.27	4.04	0.81
P78-CF	Crayfish	1	1.96	0.78	0.35	0.55	1.66	0.29	0.07	0.27	2.50	0.41	5.99	0.75
P79-CF	Crayfish	1	3.13	0.78	0.34	0.62	2.42	0.23	0.23	0.27	3.66	0.43	9.99	1.49
P82-CF	Crayfish	1	4.20	0.93	0.76	0.69	4.31	0.26	0.25	0.39	3.57	0.50	26.60	2.13
P85-Clam	Clam Tissue	1	43.20	78.20	165.00	5.06	619.00	21.10	3.48	67.40	346.00	97.80	406.00	11.50
P85-Sed	Sediment	2	2.21	2.03	1.83	0.14	8.10	0.58	0.22	0.97	9.07	3.14	14.00	0.34
P86-Clam	Clam Tissue	1	39.10	74.30	148.00	4.80	567.00	20.50	3.45	64.80	332.00	97.10	373.00	10.50
P86-Sed	Sediment	2	1.35	1.08	0.82	0.07	3.54	0.34	0.12	0.52	4.60	1.74	8.19	0.18
P87-Clam	Clam Tissue	1	37.70	71.80	137.00	5.18	538.00	20.00	3.27	58.40	329.00	92.60	346.00	9.72
P87-Sed	Sediment	2	1.64	1.53	1.11	0.12	4.43	0.44	0.19	0.63	5.84	2.20	10.20	0.24
P88-Clam	Clam Tissue	1	42.50	79.80	154.00	3.47	592.00	20.20	3.55	63.10	356.00	108.00	444.00	12.10
P88-Sed	Sediment	2	0.81	0.87	0.61	0.05	2.73	0.26	0.08	0.37	3.50	1.14	4.84	0.11
P89-Clam	Clam Tissue	1	39.90	77.50	149.00	3.65	558.00	19.80	3.72	60.00	342.00	100.00	432.00	12.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
P89-Sed	Sediment	2	0.63	0.32	0.52	0.73	0.96	0.19	0.09	0.23	2.37	0.96	3.55	0.09
P90-CF	Crayfish	1	1.96	0.83	0.61	0.77	2.07	0.23	0.28	0.30	3.67	0.36	10.60	0.63
P91-CF	Crayfish	1	4.04	0.36	0.84	0.72	4.11	0.16	0.27	0.27	3.11	0.44	17.60	1.34
P92-CF	Crayfish	1	1.60	0.98	0.52	0.37	1.66	2.19	0.26	0.30	3.40	1.06	4.90	0.76
P94-CF	Crayfish	1	2.06	0.36	0.31	0.37	1.66	0.21	0.16	0.21	1.63	0.30	5.52	0.89
P98-CF	Crayfish	1	2.18	0.11	0.25	0.86	1.66	13.97	0.31	0.15	1.63	0.29	5.15	1.02
SB-01	Smallmouth Bas	1	5.02	28.90	21.80	4.32	152.00	6.02	1.22	19.40	289.00	18.90	464.00	24.30
SB-02	Smallmouth Bas	1	39.80	1180.00	544.00	91.70	6390.00	105.00	15.90	352.00	18500.00	1030.00	23500.00	368.00
SB-03	Smallmouth Bas	1	13.40	43.80	42.40	9.09	1290.00	10.80	1.58	32.20	3240.00	272.00	19500.00	451.00
SB-04	Smallmouth Bas	1	6.44	64.50	43.90	13.20	401.00	12.90	2.55	46.20	723.00	45.60	1410.00	59.20
SB-05	Smallmouth Bas	1	6.15	42.20	31.60	7.36	253.00	10.70	2.27	25.90	476.00	43.90	729.00	27.60
SB-06	Smallmouth Bas	1	17.10	114.00	112.00	18.10	641.00	29.80	4.43	79.00	1220.00	136.00	2260.00	69.70
SB-07	Smallmouth Bas	1	24.50	107.00	98.20	14.00	450.00	31.20	5.76	70.00	678.00	124.00	1140.00	47.90
SB-08	Smallmouth Bas	1	46.50	653.00	541.00	97.30	6430.00	64.90	8.54	299.00	24100.00	357.00	22400.00	573.00
SB-09	Smallmouth Bas	1	10.30	51.70	39.60	8.42	302.00	11.90	2.51	37.00	585.00	44.90	1010.00	38.20
SB-10	Smallmouth Bas	1	19.90	119.00	123.00	19.80	850.00	27.00	4.15	77.80	1180.00	145.00	2360.00	120.00
SB-11	Smallmouth Bas	1	696.00	14200.00	10100.00	1990.00	#######	1040.00	96.30	4900.00	#######	24900.00	#######	9180.00
SB-12	Smallmouth Bas	1	15.20	95.00	66.80	23.10	894.00	14.00	2.43	56.70	2990.00	87.50	4730.00	164.00
SB-13	Smallmouth Bas	1	41.10	688.00	377.00	108.00	6400.00	70.90	7.84	305.00	21200.00	253.00	19800.00	571.00
SB-14	Smallmouth Bas	1	6.02	21.20	15.90	4.52	135.00	7.19	1.66	18.20	256.00	19.60	445.00	21.20
SB-15	Smallmouth Bas	1	5.12	29.20	27.30	5.91	281.00	20.50	1.63	23.40	424.00	26.20	719.00	30.60
SB-16	Smallmouth Bas	1	5850.00	13600.00	11400.00	2280.00	47500.00	7400.00	1490.00	11000.00	54300.00	2560.00	39800.00	1470.00
SB-17	Smallmouth Bas	1	2950.00	22900.00	19000.00	15800.00	#######	1720.00	307.00	13900.00	#######	52400.00	#######	15400.00
SB-18	Smallmouth Bas	1	189.00	799.00	879.00	104.00	10100.00	63.20	7.73	339.00	43900.00	3280.00	87000.00	1520.00
SB-19	Smallmouth Bas	1	28.00	21.20	15.10	4.05	115.00	8.63	2.01	13.30	225.00	20.00	566.00	45.90
SF-01	Sculpin	1	2.53	10.60	7.19	2.21	71.30	2.10	0.36	8.08	142.00	7.85	246.00	14.20
SF-02	Sculpin	1	3.54	7.53	6.24	1.62	67.50	1.52	0.39	6.12	109.00	6.63	360.00	31.50
SF-04	Sculpin	1	28.70	322.00	505.00	54.40	5620.00	5.89	0.52	2.60	29800.00	1340.00	41600.00	501.00
SF-05	Sculpin	1	9.62	162.00	82.50	17.30	1120.00	11.80	2.14	52.90	3220.00	18.10	3970.00	199.00
SF-06	Sculpin	1	13.90	227.00	115.00	23.30	1300.00	20.40	2.66	93.10	3640.00	217.00	5880.00	82.50
SF-07	Sculpin	1	2.29	17.50	14.30	3.47	118.00	2.74	0.55	15.10	231.00	11.20	402.00	19.20
SF-08	Sculpin	1	11.40	16.80	12.40	3.43	119.00	2.59	0.41	13.70	234.00	11.60	505.00	31.00
SF-09	Sculpin	1	2.55	10.70	9.84	1.97	69.00	2.00	0.49	13.94	122.00	8.27	259.00	14.40

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
SF-10	Sculpin	1	3.23	24.30	15.50	4.51	138.00	4.74	0.84	74.85	310.00	15.70	514.00	16.60
SF-11	Sculpin	1	3.24	7.51	5.21	2.04	65.90	1.32	0.30	6.24	123.00	5.84	307.00	22.10
SF-12	Sculpin	1	3.70	43.30	42.90	8.19	307.00	8.77	1.71	40.90	564.00	37.90	940.00	33.50
SF-13	Sculpin	1	0.87	7.86	5.17	1.55	66.90	1.80	0.49	6.69	151.00	5.32	255.00	10.40
SF-14	Sculpin	1	2.34	17.20	18.00	0.25	154.00	2.51	0.37	19.40	277.00	9.89	585.00	28.20
SF-15	Sculpin	1	0.72	2.61	1.72	0.88	57.40	1.21	4.17	2.37	61.80	1.47	257.00	12.90
SF-16	Sculpin	1	2.51	8.07	10.90	2.91	102.00	2.00	0.40	9.48	165.00	6.50	477.00	29.40
SF-17	Sculpin	1	4.10	35.90	25.40	6.71	279.00	4.69	0.62	24.90	361.00	22.30	1090.00	49.50
SR-01	Sculpin	1	2.85	14.80	11.00	3.37	112.00	2.33	0.38	12.10	216.00	12.40	415.00	15.10
SR-02	Sculpin	1	4.47	24.40	19.40	5.15	156.00	4.43	0.71	18.50	284.00	18.80	420.00	19.50
SR-03	Sculpin	1	2.27	7.61	10.90	2.22	103.00	1.34	0.12	8.93	175.00	5.48	366.00	22.50
SR-04	Sculpin	1	2.06	19.50	15.20	4.15	126.00	2.95	0.43	16.00	256.00	18.60	463.00	17.00
SR-05	Sculpin	1	7.28	7.73	40.80	7.29	257.00	6.83	1.85	35.70	424.00	39.50	680.00	28.00
SR-06	Sculpin	1	0.67	12.70	7.92	2.78	82.80	2.84	0.79	9.05	161.00	7.33	282.00	12.00
SR-07	Sculpin	1	1.41	40.50	24.90	7.10	204.00	7.65	1.76	30.30	347.00	14.00	504.00	23.70
SR-08	Sculpin	1	1.73	20.40	14.40	4.02	140.00	2.69	0.43	18.00	253.00	13.40	520.00	20.90
SR-09	Sculpin	1	3.61	27.10	24.80	5.23	167.00	4.45	0.75	23.40	285.00	17.70	466.00	19.20
SR-10	Sculpin	1	6.08	39.50	31.60	5.78	195.00	8.79	2.14	25.80	333.00	34.00	493.00	20.00
SR-11	Sculpin	1	3.97	23.70	22.60	5.05	184.00	4.06	0.81	21.00	307.00	15.10	602.00	29.30
SR-12	Sculpin	1	2.59	18.60	71.89	4.49	149.00	2.35	0.45	16.40	315.00	15.10	575.00	23.80
SR-13	Sculpin	1	2.41	29.10	54.50	4.26	218.00	3.76	0.79	29.10	312.00	26.50	574.00	20.80
SR-14	Sculpin	1	2.13	33.40	31.50	5.61	196.00	5.36	1.09	26.30	356.00	25.70	575.00	21.30
SR-15	Sculpin	1	2.50	8.80	6.15	2.25	70.20	1.39	0.25	7.80	143.00	7.88	332.00	20.90
SR-16	Sculpin	1	2.79	12.80	14.30	2.41	87.60	2.41	0.23	11.50	157.00	11.50	293.00	12.80
SR-17	Sculpin	1	3.33	22.30	11.70	5.71	156.00	2.93	0.39	18.90	374.00	17.80	660.00	24.60
SR-18	Sculpin	1	2.64	22.50	18.20	4.45	142.00	4.54	0.96	18.60	296.00	23.00	490.00	20.40
SUCKER	Largescale Suck	1	32.80	262.00	327.00	25.20	1690.00	65.10	12.70	202.00	1950.00	292.00	3710.00	167.00
LW3-W3035-NB-C	surface water fro	3	1.00	3.89	1.26	0.32	13.30	6.15	0.52	0.89	10.50	1.55	7.20	0.18
LW3-W3035-NB-F	surface water fro	3	0.21	2.10	0.66	0.13	9.49	3.07	0.21	0.38	4.95	1.10	5.22	0.14
LW3-W3035-NS-C	surface water fro	3	1.12	4.60	1.46	0.26	17.10	8.63	0.67	1.00	13.50	1.58	7.93	0.20
LW3-W3035-NS-F	surface water fro	3	0.21	1.45	0.51	0.04	5.46	1.76	0.08	0.30	3.53	0.81	3.84	0.07
SB-20	Smallmouth Bas	1	17.10	62.80	48.50	8.55	308.00	16.80	3.54	38.30	551.00	80.90	959.00	29.70
SB-21	Smallmouth Bas	1	13.60	50.90	37.90	5.58	257.00	14.80	3.38	32.10	436.00	52.70	821.00	32.30

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
SB-22	Smallmouth Bas	1	20.80	55.90	48.60	9.93	311.00	15.40	3.45	1.15	558.00	74.10	936.00	31.60
SB-23	Smallmouth Bas	1	16.90	36.20	31.10	5.05	164.00	10.70	2.68	21.70	276.00	52.10	480.00	16.90
SB-24	Smallmouth Bas	1	127.00	1360.00	727.00	178.00	4190.00	358.00	60.40	503.00	5400.00	920.00	5610.00	277.00
SB-25	Smallmouth Bas	1	49.40	240.00	180.00	32.10	771.00	59.40	12.90	178.00	978.00	87.10	1220.00	49.70
SB-26	Smallmouth Bas	1	15.40	64.40	58.60	12.60	377.00	17.90	3.47	1.11	575.00	64.20	785.00	36.30
SB-27	Smallmouth Bas	1	28.10	220.00	239.00	38.40	1090.00	58.40	9.01	178.00	1280.00	109.00	2130.00	101.00
SB-28	Smallmouth Bas	1	20.00	66.90	55.00	8.38	271.00	15.80	3.98	42.40	402.00	80.90	848.00	29.50
SB-29	Smallmouth Bas	1	7.00	62.20	46.10	8.71	260.00	13.20	2.53	35.00	384.00	53.20	756.00	34.00
SB-30	Smallmouth Bas	1	26.80	225.00	187.00	31.20	824.00	49.10	10.80	166.00	1140.00	135.00	1690.00	63.30
SB-31	Smallmouth Bas	1	11.50	30.00	24.90	5.23	182.00	8.20	1.93	24.10	304.00	35.00	664.00	39.10
SB-32	Smallmouth Bas	1	17.60	54.20	46.00	5.30	270.00	12.80	3.65	30.10	438.00	87.30	974.00	35.60
SB-33	Smallmouth Bas	1	16.50	126.00	97.40	9.49	781.00	22.80	5.61	39.80	1090.00	206.00	4660.00	184.00
SB-34	Smallmouth Bas	1	18.80	68.70	57.10	8.90	326.00	15.40	4.01	38.10	495.00	112.00	992.00	32.70
SB-35	Smallmouth Bas	1	10.00	60.00	53.50	10.90	350.00	9.12	2.93	39.80	544.00	73.30	1120.00	47.20
SB-36	Smallmouth Bas	1	21.00	90.60	74.70	12.80	432.00	21.30	4.92	53.40	658.00	128.00	1390.00	48.60
SB-37	Smallmouth Bas	1	13.40	61.20	58.00	10.70	327.00	13.00	3.37	44.50	520.00	74.80	905.00	35.80
SB-38	Smallmouth Bas	1	14.00	65.10	47.30	7.92	300.00	15.20	3.51	32.90	487.00	88.80	1010.00	36.10
LW3-STW-CW10-WR14	stormwater	3	27.80	3.16	3.62	47.20	77.30	2.81	1.79	3.10	82.70	55.00	106.00	0.87
LW3-STW-CW30-WR14	stormwater	3	4.84	4.63	5.33	6.20	38.10	2.81	1.79	4.71	17.09	6.16	40.00	2.59
LW3-STW-CW40-WR14	stormwater	3	76.30	27.20	41.90	82.20	146.00	20.79	15.71	22.40	162.00	124.00	223.00	15.06
LW3-STW-CW10-OF18	stormwater	3	788.00	2400.00	3530.00	8400.00	15100.00	2750.00	1110.00	1420.00	20300.00	3600.00	12000.00	191.00
LW3-STW-CW10-OF18-2	stormwater	3	418.00	804.00	1300.00	2740.00	4050.00	898.00	397.00	638.00	5040.00	1560.00	3110.00	79.00
LW3-STW-CW10-OF19	stormwater	3	145.00	72.20	131.00	288.00	415.00	57.90	5.43	85.40	472.00	218.00	455.00	2.94
LW3-STW-CW10-OF19D	stormwater	3	128.00	66.80	117.00	237.00	382.00	56.30	1.35	72.90	446.00	179.00	347.00	0.87
LW3-STW-CW20-OF18	stormwater	3	482.00	894.00	1480.00	3050.00	4490.00	972.00	456.00	664.00	5130.00	1550.00	3040.00	76.60
LW3-STW-CW30-OF18	stormwater	3	459.00	465.00	754.00	1590.00	2370.00	453.00	195.00	416.00	2640.00	1020.00	1940.00	56.60
LW3-STW-CW30-OF19	stormwater	3	396.00	249.00	493.00	977.00	1590.00	228.00	106.00	312.00	1720.00	770.00	1480.00	39.10
LW3-STW-CW40-OF19	stormwater	3	93.10	53.90	96.80	174.00	301.00	44.70	5.43	57.60	303.00	136.00	252.00	1.89
LW3-STW-CW40-OF19D	stormwater	3	104.00	65.60	106.00	225.00	339.00	54.60	29.60	70.80	373.00	138.00	258.00	8.98
LW3-STW-GW10-OF18-2-T	stormwater	3	53.40	86.50	132.00	252.00	419.00	102.00	54.00	64.90	454.00	144.00	260.00	7.54
LW3-STW-GW10-OF18-D	stormwater	3	4.84	4.63	5.33	32.50	46.90	4.28	2.75	4.71	54.70	6.16	32.20	5.88
LW3-STW-GW10-OF18-T	stormwater	3	65.00	120.00	183.00	360.00	570.00	146.00	68.80	83.30	617.00	206.00	361.00	3.97
WLCT4C07OF53070324	stormwater	3	784.00	491.00	935.00	1790.00	2700.00	473.00	202.00	590.00	2610.00	1040.00	1840.00	58.80

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
WLCT4C07OF53070407	stormwater	3	205.00	130.00	227.00	413.00	644.00	106.00	46.30	134.00	644.00	279.00	474.00	3.97
WLCT4C07OF53070503	stormwater	3	1710.00	1080.00	2010.00	3880.00	5810.00	962.00	440.00	1300.00	5600.00	2200.00	3830.00	8.23
LW3-STW2-CW10-OF49	stormwater	3	4.84	4.63	5.33	37.40	50.50	2.07	1.04	2.29	56.40	32.30	53.70	0.56
LW3-STW-CW10-OF49	stormwater	3	5.06	4.82	5.57	6.20	42.00	4.28	3.81	4.71	46.20	7.03	34.90	2.59
LW3-STW-CW20-OF49	stormwater	3	8.72	8.37	9.67	44.50	63.60	8.30	5.43	9.06	25.71	30.50	50.80	3.97
LW3-STW2-CW10-OF22B	stormwater	3	510.00	365.00	489.00	1050.00	1930.00	289.00	133.00	303.00	1920.00	1120.00	2370.00	60.70
LW3-STW2-CW20-OF22B	stormwater	3	655.00	271.00	526.00	1210.00	1610.00	295.00	123.00	395.00	1640.00	473.00	1230.00	46.80
LW3-STW2-CW20-OF22B-	stormwater	3	687.00	352.00	641.00	1480.00	2100.00	410.00	170.00	519.00	2060.00	797.00	1670.00	57.60
LW3-STW-CW10-OF22B	stormwater	3	1120.00	609.00	1130.00	2320.00	3500.00	590.00	246.00	752.00	3690.00	1810.00	3220.00	102.00
LW3-STW-CW20-OF22B	stormwater	3	2230.00	686.00	2260.00	5360.00	6640.00	1050.00	467.00	1560.00	7650.00	2910.00	6490.00	190.00
LW3-STW-GW10-OF22B-D	stormwater	3	4.84	4.63	5.33	6.20	6.06	4.28	2.75	4.71	12.61	6.16	11.12	1.89
LW3-STW-GW10-OF22B-T	stormwater	3	206.00	122.00	201.00	415.00	711.00	90.00	45.40	111.00	885.00	367.00	712.00	5.88
LW3-STW2-CW10-OF22C	stormwater	3	9.16	9.11	10.18	41.80	61.50	8.30	5.64	9.06	63.60	11.75	35.30	3.97
LW3-STW-CW10-OF22C	stormwater	3	8.72	8.37	9.67	10.47	9.73	8.30	5.43	9.06	12.61	10.15	11.12	3.97
LW3-STW-CW10-OF22C-2	stormwater	3	4.84	4.63	5.33	6.20	10.94	4.28	2.75	4.71	7.76	6.65	6.91	3.97
LW3-STW-CW20-OF22C	stormwater	3	8.72	3.16	9.67	10.47	9.73	2.81	1.79	3.10	12.61	10.15	11.12	1.89
LW3-STW-CW20-OF22C-2	stormwater	3	3.31	3.16	3.62	4.39	4.90	2.07	1.32	2.29	7.76	4.77	6.91	0.87
LW3-STW-CW20-WR107	stormwater	3	8.72	8.37	9.67	10.47	10.94	5.70	3.68	6.25	18.29	11.05	16.03	2.59
LW3-STW-CW30-WR107	stormwater	3	8.72	8.37	9.67	45.10	69.80	8.30	5.43	9.06	88.50	27.60	62.40	3.97
LW3-STW-CW40-WR107	stormwater	3	4.84	4.63	27.70	54.40	88.60	4.28	2.08	3.10	110.00	33.00	74.60	3.97
LW3-STW-GW10-WR107-D	stormwater	3	14.67	14.14	16.43	15.70	10.94	14.20	14.97	15.40	12.61	17.51	11.12	12.24
LW3-STW-GW10-WR107-T	stormwater	3	8.72	13.44	9.67	10.47	47.20	14.20	9.51	15.40	74.70	10.15	44.20	7.54
LW3-W3031-NB-C	surface water fro	3	1.02	3.17	1.35	0.28	7.17	2.02	0.48	1.00	8.59	1.46	6.14	0.09
LW3-W3031-NB-F	surface water fro	3	0.21	1.21	0.56	0.03	2.99	0.59	0.08	0.26	3.10	0.93	4.32	0.07
LW3-W3031-NS-C	surface water fro	3	1.06	3.48	1.55	0.25	8.93	2.64	0.06	1.10	10.10	1.44	6.59	0.17
LW3-W3031-NS-F	surface water fro	3	0.21	0.52	0.15	0.02	1.29	0.16	0.03	0.09	1.20	0.54	1.98	0.11
LW3-STW-CW10-WR147	stormwater	3	638.00	486.00	831.00	2030.00	3270.00	365.00	158.00	371.00	4690.00	1200.00	3950.00	74.70
LW3-STW-CW20-WR147	stormwater	3	2780.00	1830.00	3130.00	6530.00	10800.00	1250.00	551.00	1560.00	12900.00	3730.00	12000.00	220.00
LW3-STW-CW30-WR147	stormwater	3	570.00	474.00	765.00	1770.00	2810.00	350.00	160.00	402.00	3610.00	722.00	2370.00	46.50
LW3-W3036-NB-C	surface water fro	3	1.07	2.90	1.28	0.08	1.29	1.54	0.45	0.41	9.08	1.30	5.83	0.14
LW3-W3036-NB-F	surface water fro	3	0.33	1.38	0.67	0.11	3.04	0.33	0.07	0.50	3.56	1.38	5.96	0.12
LW3-W3036-NS-C	surface water fro	3	1.35	3.27	1.39	0.08	7.11	1.67	0.50	1.15	9.94	1.89	7.25	0.16
LW3-W3036-NS-F	surface water fro	3	0.31	1.20	0.59	0.11	2.86	0.33	0.15	0.26	3.28	1.00	3.83	0.09

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
LW3-STW2-CW10-H30	stormwater	3	127.00	92.00	146.00	274.00	489.00	91.50	36.40	105.00	405.00	268.00	434.00	1.20
LW3-STW2-CW20-H30B	stormwater	3	801.00	352.00	649.00	1220.00	1750.00	293.00	132.00	457.00	1480.00	1070.00	1680.00	67.50
LW3-STW2-CW30-H30	stormwater	3	159.00	87.30	159.00	320.00	496.00	83.70	38.20	120.00	448.00	267.00	430.00	0.87
LW3-STW2-CW30-H30B	stormwater	3	716.00	345.00	607.00	1240.00	1820.00	309.00	139.00	413.00	1690.00	1050.00	1750.00	61.00
LW3-STW2-CW40-H30	stormwater	3	421.00	229.00	407.00	835.00	1210.00	194.00	83.20	285.00	1160.00	622.00	1130.00	38.20
LW3-STW2-CW40-H30B	stormwater	3	266.00	156.00	271.00	579.00	845.00	143.00	62.60	201.00	821.00	416.00	770.00	1.20
LW3-STW2-CW50-H30B	stormwater	3	440.00	253.00	453.00	889.00	1350.00	222.00	89.80	330.00	1250.00	704.00	1260.00	40.10
LW3-W3029-NB-C	surface water fro	3	1.19	3.17	1.25	0.07	8.20	2.51	0.50	0.96	8.43	1.49	6.19	0.17
LW3-W3029-NB-F	surface water fro	3	0.21	0.85	0.41	0.07	2.18	0.41	0.09	0.28	2.14	0.51	1.98	0.06
LW3-W3029-NS-C	surface water fro	3	1.05	3.31	1.40	0.06	8.18	2.73	0.57	1.24	9.17	1.64	6.74	0.10
LW3-W3029-NS-F	surface water fro	3	0.21	0.87	0.26	0.03	2.46	0.46	0.05	0.12	1.66	0.52	3.06	0.06
ST03a-Sed01	Sediment	2	23.30	19.60	10.90	1.49	53.80	4.51	2.14	6.04	72.20	21.50	90.80	2.15
ST04a-Sed01	Sediment	2	111.00	133.00	91.70	10.10	371.00	40.80	18.70	46.80	514.00	139.00	586.00	14.00
ST04a-Sed101	Sediment	2	100.00	111.00	76.10	8.70	313.00	36.20	15.70	38.80	426.00	124.00	500.00	12.40
ST04b-Sed01	Sediment	2	30.10	24.80	15.20	1.95	64.00	8.61	3.67	8.58	95.90	32.40	129.00	2.67
ST05a-Sed01	Sediment	2	83.70	55.80	35.80	4.26	159.00	14.10	6.57	20.50	201.00	77.20	310.00	6.81
ST05b-Sed01	Sediment	2	38.80	34.40	22.00	2.37	93.60	12.40	4.72	12.00	147.00	43.20	185.00	4.30
ST07a-Sed01	Sediment	2	13.40	9.16	5.95	0.68	26.20	2.30	1.07	3.33	31.10	11.40	43.80	1.07
ST08a-Sed01	Sediment	2	125.00	116.00	61.00	8.09	240.00	23.70	9.25	42.20	317.00	128.00	479.00	10.40
ST14a-Sed01	Sediment	2	45.60	40.50	24.70	2.74	103.00	11.40	5.33	13.20	142.00	47.50	189.00	4.35
ST15a-Sed01	Sediment	2	23.20	14.60	8.46	1.19	38.60	3.68	1.66	5.83	47.50	17.70	72.00	1.48
ST16a-Sed01	Sediment	2	1.82	1.10	0.77	0.38	3.52	0.28	0.30	0.41	4.07	1.26	4.96	0.36
ST17a-Sed01	Sediment	2	69.20	61.50	40.40	4.54	162.00	18.50	8.32	22.70	229.00	73.20	293.00	6.67
ST18a-Sed01	Sediment	2	28.80	33.30	19.80	2.34	75.30	8.64	4.04	11.10	105.00	38.70	145.00	3.59
ST21a-Sed01	Sediment	2	23.00	18.20	10.90	1.14	42.40	5.44	2.02	5.54	59.30	24.10	87.40	2.34
ST22a-Sed01	Sediment	2	5.84	4.56	2.06	0.38	9.56	0.79	0.37	1.24	12.60	4.50	18.70	0.44
LW3-W3030-NB-C	surface water fro	3	0.22	3.55	1.29	0.32	10.40	3.14	0.55	1.21	9.62	1.44	7.15	0.12
LW3-W3030-NB-F	surface water fro	3	0.21	1.04	0.49	0.03	3.19	0.72	0.07	0.37	2.85	0.61	3.18	0.12
LW3-W3030-NS-C	surface water fro	3	2.23	4.27	1.50	0.10	9.58	2.93	0.57	1.23	8.94	2.80	8.82	0.10
LW3-W3030-NS-F	surface water fro	3	3.12	3.22	1.37	0.08	6.74	1.62	0.10	0.98	5.05	3.39	9.53	0.27
LW3-STW-CW10-OF16	stormwater	3	859.00	552.00	1020.00	2010.00	3100.00	478.00	217.00	681.00	3160.00	860.00	1970.00	56.60
LW3-STW-CW20-OF16	stormwater	3	2320.00	1290.00	2450.00	4900.00	7010.00	1290.00	562.00	1660.00	7240.00	1710.00	4050.00	132.00
LW3-STW-CW30-OF16	stormwater	3	1100.00	672.00	1260.00	2510.00	3640.00	656.00	268.00	944.00	3530.00	663.00	1600.00	58.30

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
LW3-STW-CW10-OFM1	stormwater	3	3.31	3.16	3.62	38.90	56.00	2.81	1.79	3.10	71.30	29.60	56.40	0.87
LW3-STW-CW10-OFM2	stormwater	3	8.72	8.76	9.67	83.80	103.00	8.30	5.64	9.06	134.00	39.00	82.20	3.97
LW3-STW-CW20-OFM1	stormwater	3	172.00	64.20	151.00	355.00	689.00	52.40	24.70	115.00	493.00	259.00	634.00	1.20
LW3-STW-CW20-OFM1D	stormwater	3	57.00	148.00	121.00	614.00	2040.00	8.30	3.94	53.40	3480.00	1060.00	5880.00	42.90
LW3-STW-CW20-OFM2	stormwater	3	8.72	13.44	9.67	38.90	52.40	14.20	9.51	15.40	65.90	31.60	52.30	7.54
LW3-STW-CW30-OFM1	stormwater	3	54.50	28.10	47.80	123.00	154.00	8.30	5.43	9.06	211.00	79.80	160.00	3.97
LW3-STW-CW30-OFM1D	stormwater	3	12.18	29.10	52.20	140.00	167.00	4.28	2.75	32.60	232.00	87.50	175.00	1.89
LW3-STW-CW30-OFM2	stormwater	3	339.00	133.00	238.00	475.00	743.00	136.00	59.30	156.00	689.00	194.00	375.00	10.22
LW3-STW-CW40-OFM2	stormwater	3	41.10	8.37	37.80	94.30	134.00	8.30	5.43	9.06	158.00	86.60	145.00	7.54
LW3-STW-CW40-OFM2-2	stormwater	3	32.30	16.59	34.00	83.20	111.00	18.09	12.29	19.54	133.00	68.70	119.00	13.81
AI_1	Sediment	2	9.26	6.90	4.10	0.10	12.60	1.87	0.68	2.11	13.60	9.09	30.80	0.15
AI_11_C	Sediment	2	3.02	1.38	0.98	0.09	3.28	0.57	0.18	0.45	4.39	1.68	7.59	0.11
AI_13_C	Sediment	2	7.90	7.34	3.96	0.10	14.30	1.68	0.06	0.40	15.40	8.18	28.60	0.16
AI_20_C_GS	Sediment	2	11.50	11.40	5.70	0.66	19.60	2.43	1.06	3.44	20.70	14.20	47.40	1.16
AI_5_C	Sediment	2	8.87	7.93	0.98	0.09	14.70	0.29	1.14	2.43	16.10	8.40	33.00	0.95
CPS_0	Sediment	2	84.70	98.80	54.50	0.13	179.00	24.20	8.55	30.70	199.00	114.00	442.00	10.70
CPS_1	Sediment	2	23.40	33.00	19.60	2.67	65.00	11.50	5.37	9.47	75.50	31.90	131.00	3.74
CPS_3	Sediment	2	20.10	27.10	15.00	1.70	50.60	8.48	0.15	7.64	57.10	26.30	106.00	3.31
CPS_4	Sediment	2	20.50	17.00	8.87	1.24	29.30	4.30	1.58	4.50	36.20	19.50	77.80	0.17
CS-Control	Invertebrate Tiss	1	15.22	25.44	13.99	9.00	41.30	22.20	6.93	7.73	53.10	31.74	97.91	8.59
FLO-Sed	Sediment	2	42.10	34.00	16.00	4.90	62.30	41.74	16.09	12.10	85.70	35.10	99.70	11.26
FLO-Sed-Dupe	Sediment	2	38.30	26.30	15.00	4.90	53.90	41.74	16.09	8.88	71.20	31.10	95.10	11.26
HC_1	Sediment	2	19.80	17.70	9.76	1.42	34.80	4.81	1.80	5.62	37.70	19.40	73.90	0.15
HC_2	Sediment	2	22.90	30.30	21.40	0.14	75.20	10.70	4.04	9.53	108.00	21.80	96.80	3.72
HC_3	Sediment	2	28.30	27.20	14.30	0.14	51.50	0.33	2.69	9.50	58.80	28.60	111.00	3.63
HC_6	Sediment	2	52.80	56.50	32.20	3.51	104.00	16.90	6.24	20.10	103.00	59.60	205.00	6.70
LMCS-A	Sediment	2	155.00	262.00	150.00	12.00	651.00	72.80	33.20	64.60	1190.00	207.00	1120.00	22.40
LMCS-B	Sediment	2	137.00	179.00	91.70	9.06	348.00	56.30	21.60	52.80	527.00	168.00	643.00	15.50
LMCS-C	Sediment	2	155.00	344.00	213.00	4.90	1330.00	94.90	43.20	89.30	3080.00	289.00	2400.00	37.10
LMCS-Invert	Invertebrate Tiss	1	103.00	170.00	86.10	9.00	339.00	47.40	16.50	55.60	523.00	171.00	782.00	18.40
LMCS-Invert-Time zero	Invertebrate Tiss	1	15.22	64.70	38.40	9.00	181.00	22.20	6.93	23.10	272.00	101.00	371.00	6.94
LMCS-Sed	Sediment	2	178.00	230.00	119.00	12.00	504.00	65.60	24.90	68.20	871.00	214.00	961.00	18.80
LS-A	Sediment	2	207.00	337.00	191.00	22.20	739.00	126.00	44.30	127.00	1210.00	292.00	1230.00	29.90

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
LS-B	Sediment	2	179.00	344.00	180.00	10.10	660.00	115.00	39.40	115.00	1030.00	266.00	1100.00	26.20
LS-C	Sediment	2	279.00	410.00	257.00	31.20	927.00	187.00	64.50	152.00	1620.00	265.00	1220.00	26.30
LW2-C015-B	sediment	2	9460.00	9050.00	15400.00	47300.00	50600.00	9060.00	4870.00	11000.00	57000.00	29700.00	53500.00	2060.00
LW2-C019-C1	sediment	2	10800.00	8810.00	16400.00	58700.00	47300.00	8890.00	6330.00	10200.00	63200.00	28200.00	53300.00	2830.00
LW2-C019-D1	sediment	2	15500.00	5700.00	15500.00	88800.00	27600.00	3900.00	11400.00	2410.00	82400.00	7410.00	20200.00	1300.00
LW2-C020-B	sediment	2	5000.00	5190.00	9670.00	33500.00	32000.00	4670.00	2810.00	4090.00	36100.00	16100.00	29500.00	1280.00
LW2-C022-B	sediment	2	128.00	73.90	153.00	509.00	496.00	65.00	31.10	95.30	596.00	327.00	644.00	24.80
LW2-C022-C	sediment	2	232.00	131.00	260.00	802.00	836.00	100.00	44.70	135.00	1040.00	483.00	1140.00	39.10
LW2-C034-B	sediment	2	322.00	129.00	276.00	742.00	733.00	155.00	81.80	134.00	802.00	383.00	633.00	32.90
LW2-C277-B	sediment	2	569.00	286.00	675.00	2800.00	2050.00	221.00	112.00	380.00	3050.00	941.00	3120.00	121.00
LW2-C277-D	sediment	2	119.00	34.10	129.00	1550.00	1880.00	81.30	37.20	161.00	3240.00	762.00	3170.00	67.40
LW2-C282-A	sediment	2	6.13	2.38	12.00	74.20	26.60	2.39	1.51	4.16	71.10	9.38	21.20	1.74
LW2-C290-B	sediment	2	29.80	19.20	45.40	268.00	151.00	14.00	15.40	32.20	269.00	73.30	241.00	8.06
LW2-C291-A	sediment	2	93.60	38.10	83.30	366.00	232.00	26.70	17.20	43.90	352.00	174.00	362.00	13.30
LW2-C291-B	sediment	2	137.00	65.80	139.00	578.00	429.00	50.90	26.20	71.00	665.00	237.00	652.00	24.10
LW2-C291-C	sediment	2	708.00	386.00	929.00	3670.00	2910.00	314.00	146.00	543.00	4130.00	1540.00	4610.00	179.00
LW2-C293-C	sediment	2	489.00	493.00	935.00	2960.00	3350.00	460.00	213.00	662.00	4060.00	2030.00	4690.00	152.00
LW2-C303-B	sediment	2	430.00	246.00	566.00	1930.00	1830.00	202.00	93.50	337.00	2350.00	837.00	2550.00	91.10
LW2-C384-B	sediment	2	9890.00	19900.00	26300.00	#######	#######	9390.00	4390.00	16800.00	#######	84100.00	#######	6210.00
LW2-C384-BD	sediment	2	4090.00	2460.00	8140.00	44800.00	54100.00	3410.00	1560.00	6140.00	93600.00	18700.00	75300.00	1840.00
LW2-C384-C	sediment	2	127.00	179.00	331.00	1750.00	2340.00	109.00	49.70	214.00	4000.00	701.00	3330.00	62.60
LW2-C393-B	sediment	2	322.00	324.00	763.00	5850.00	4690.00	174.00	157.00	461.00	9800.00	1230.00	6780.00	204.00
LW2-C425-B1	sediment	2	119.00	75.30	159.00	566.00	542.00	62.20	29.80	91.10	793.00	276.00	774.00	23.90
LW2-C425-C1	sediment	2	186.00	134.00	262.00	1050.00	948.00	103.00	56.30	137.00	1650.00	481.00	1370.00	40.30
LW2-C425-E1	sediment	2	188.00	143.00	260.00	884.00	1050.00	108.00	47.20	166.00	1580.00	576.00	1610.00	43.90
LW2-C430-A	sediment	2	464.00	261.00	562.00	2420.00	2560.00	201.00	101.00	269.00	4440.00	1140.00	4050.00	99.00
LW2-C430-B	sediment	2	411.00	220.00	479.00	1870.00	1640.00	167.00	83.60	276.00	2490.00	915.00	2480.00	84.50
LW2-C430-C	sediment	2	784.00	471.00	1120.00	4150.00	3900.00	460.00	220.00	753.00	5450.00	1900.00	5350.00	172.00
LW2-C430-E	sediment	2	932.00	627.00	1350.00	4890.00	5390.00	577.00	258.00	905.00	7850.00	2710.00	8020.00	236.00
LW2-C524-A	sediment	2	41.40	9.16	72.60	482.00	371.00	29.00	28.00	57.10	731.00	133.00	494.00	11.20
LW2-G006	sediment	2	332.00	73.40	157.00	417.00	472.00	56.80	26.10	80.60	511.00	465.00	777.00	25.80
LW2-G008	sediment	2	116.00	47.60	94.90	266.00	292.00	36.80	17.30	56.70	327.00	203.00	374.00	12.80
LW2-G022	sediment	2	151.00	58.50	118.00	314.00	350.00	48.60	21.50	71.20	392.00	257.00	442.00	15.50

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
LW2-G030	sediment	2	219.00	100.00	196.00	536.00	629.00	85.50	37.10	118.00	689.00	460.00	757.00	26.70
LW2-G260	sediment	2	7.24	2.38	6.79	22.20	25.40	2.39	1.51	4.16	40.50	14.40	34.80	1.74
LW2-G268	sediment	2	263.00	129.00	247.00	644.00	717.00	127.00	67.10	113.00	1130.00	575.00	1120.00	34.70
LW2-G282	sediment	2	447.00	99.30	1720.00	19400.00	5170.00	629.00	1050.00	1570.00	17300.00	960.00	3960.00	335.00
LW2-G282D	sediment	2	553.00	49.10	2050.00	19400.00	4810.00	695.00	1070.00	2210.00	15100.00	872.00	2710.00	306.00
LW2-G295	sediment	2	76.20	21.10	152.00	942.00	310.00	36.90	44.60	162.00	770.00	147.00	338.00	24.10
LW2-G295D	sediment	2	73.80	22.20	166.00	1070.00	319.00	37.40	49.40	149.00	836.00	135.00	325.00	21.20
LW2-G296	sediment	2	94.80	55.00	295.00	1510.00	502.00	52.00	72.10	201.00	1380.00	300.00	605.00	33.80
LW2-G297	sediment	2	310.00	170.00	333.00	960.00	1040.00	154.00	65.30	220.00	1250.00	619.00	1310.00	44.60
LW2-G303	sediment	2	71.40	41.50	197.00	997.00	367.00	37.60	48.90	135.00	918.00	123.00	306.00	20.40
LW2-G306	sediment	2	26.60	11.40	22.50	66.80	67.10	7.96	1.51	13.00	90.00	49.30	100.00	1.74
LW2-G313	sediment	2	999.00	633.00	1280.00	3730.00	4010.00	539.00	233.00	916.00	4330.00	2080.00	5450.00	194.00
LW2-G393	sediment	2	959.00	735.00	2150.00	55900.00	11800.00	718.00	1540.00	2620.00	51800.00	2970.00	16700.00	725.00
LW2-G425	sediment	2	21.50	16.50	32.70	89.50	101.00	14.00	7.61	18.00	139.00	48.60	117.00	1.74
LW2-G481	sediment	2	42.10	24.00	48.60	214.00	194.00	15.50	9.69	26.50	338.00	106.00	307.00	8.27
LW2-G484	sediment	2	41.30	19.20	38.60	174.00	130.00	14.40	10.30	25.40	219.00	81.60	188.00	6.58
LW2-G487	sediment	2	20.50	11.40	29.80	222.00	114.00	15.40	12.50	18.80	241.00	56.70	139.00	1.74
LW2-G502	sediment	2	13.90	11.30	21.40	98.70	117.00	11.90	5.17	12.00	301.00	42.90	155.00	2.51
LW2-G505	sediment	2	248.00	88.30	314.00	772.00	984.00	146.00	68.60	210.00	975.00	712.00	1110.00	37.10
LW2-G507	sediment	2	37.10	21.70	57.00	445.00	196.00	24.30	20.40	45.60	627.00	84.40	210.00	6.86
LW2-GBT016	sediment	2	139.00	259.00	3130.00	25000.00	3950.00	344.00	1440.00	1290.00	16800.00	378.00	1710.00	132.00
LW2-T01 SC	tissue	1	377.00	480.00	229.00	24.30	1370.00	97.50	17.50	147.00	1190.00	358.00	2400.00	79.40
LW2-T01-NOAA SC	tissue	1	226.00	550.00	196.00	22.10	1090.00	106.00	8.00	129.00	1260.00	237.00	1540.00	41.70
LW2-T01-REP1	tissue	1	50.60	454.00	178.00	30.90	1670.00	153.00	14.60	175.00	1440.00	71.70	2110.00	70.80
LW2-T01-REP2	tissue	1	46.30	720.00	295.00	44.80	2020.00	127.00	18.50	263.00	2270.00	208.00	3470.00	114.00
LW2-T01-REP3	tissue	1	41.00	386.00	153.00	26.80	1080.00	91.40	12.30	160.00	1090.00	68.80	1890.00	65.40
LW2-T02 SC	tissue	1	370.00	823.00	424.00	45.90	1730.00	221.00	58.50	266.00	2000.00	608.00	2800.00	92.30
LW2-T02-NOAA SC	tissue	1	121.00	1150.00	783.00	63.90	3100.00	422.00	70.70	536.00	3010.00	623.00	2350.00	72.90
LW2-T02-REP1	tissue	1	56.90	1240.00	567.00	65.20	2630.00	293.00	59.30	439.00	2990.00	233.00	4230.00	148.00
LW2-T02-REP2	tissue	1	57.20	1050.00	452.00	64.70	2270.00	268.00	50.20	373.00	2590.00	212.00	3570.00	117.00
LW2-T02-REP3	tissue	1	66.00	1410.00	610.00	95.10	3170.00	334.00	60.30	547.00	3670.00	265.00	5100.00	167.00
LW2-T03 SC	tissue	1	336.00	531.00	269.00	19.70	2810.00	479.00	46.50	154.00	1580.00	335.00	1710.00	46.20
LW2-T03-REP1	tissue	1	57.30	547.00	231.00	23.70	2480.00	521.00	31.90	124.00	1660.00	120.00	1700.00	47.10

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
LW2-T03-REP2	tissue	1	49.80	456.00	143.00	17.90	2800.00	562.00	19.90	103.00	1350.00	93.50	1440.00	43.50
LW2-T03-REP3	tissue	1	92.80	722.00	273.00	29.00	3660.00	789.00	32.50	172.00	2560.00	206.00	2610.00	75.30
LW2-T04 SC	tissue	1	26.10	44.40	36.20	2.52	166.00	12.60	3.01	19.60	241.00	46.70	370.00	11.20
LW2-T04-REP1	tissue	1	5.34	45.60	20.40	3.84	156.00	11.20	1.78	17.40	209.00	14.50	342.00	10.60
LW2-T04-REP2	tissue	1	6.98	90.80	40.90	6.87	296.00	20.40	3.45	34.80	403.00	26.80	610.00	21.60
LW2-T04-REP3	tissue	1	6.56	66.20	33.30	5.33	215.00	14.90	2.64	26.30	275.00	18.20	463.00	15.00
LW2-W005 C	surface water fro	3	0.71	2.08	0.89	0.21	6.38	2.16	0.31	0.63	6.51	1.02	4.20	0.11
LW2-W005 F	surface water fro	3	0.52	0.64	0.29	0.05	1.98	0.46	0.06	0.17	1.61	0.59	2.24	0.04
LW2-W011 C	surface water fro	3	0.74	2.58	1.06	0.36	11.50	4.63	0.51	0.76	9.37	1.09	4.64	0.13
LW2-W011 F	surface water fro	3	0.49	0.76	0.33	0.07	3.52	0.84	0.09	0.20	2.15	0.64	2.50	0.06
LW2-W013-1 C	surface water fro	3	0.45	3.92	1.13	1.59	45.70	20.60	1.24	0.82	18.30	0.67	3.56	0.20
LW2-W013-1 F	surface water fro	3	0.37	3.44	0.93	1.51	60.70	16.40	0.76	0.63	15.50	0.49	3.10	0.29
LW2-W013-2 C	surface water fro	3	0.39	3.39	0.99	1.31	42.40	18.00	1.10	0.72	16.30	0.58	2.99	0.19
LW2-W013-2 F	surface water fro	3	0.36	2.40	0.65	0.96	37.10	11.50	0.52	0.41	10.60	0.47	2.64	0.18
LW2-W015 C	surface water fro	3	9.56	15.40	6.74	1.11	24.40	7.09	2.51	5.74	26.70	6.22	21.10	0.59
LW2-W015 F	surface water fro	3	26.10	41.50	18.80	2.96	59.70	12.60	4.21	17.20	56.20	21.50	82.20	2.35
LW2-W016 C	surface water fro	3	1.14	4.43	2.03	0.30	8.03	1.86	0.60	1.27	9.42	2.60	7.72	0.20
LW2-W016 F	surface water fro	3	1.12	3.53	1.69	0.21	6.48	1.03	0.33	0.90	6.82	3.40	9.77	0.25
LW2-W018 C	surface water fro	3	0.56	2.26	0.92	0.12	7.09	2.35	0.36	0.46	8.33	0.95	5.16	0.12
LW2-W018 F	surface water fro	3	0.48	1.11	0.45	0.05	4.07	0.95	0.11	0.16	4.25	0.77	4.43	0.09
LW2-W023 C	surface water fro	3	0.25	0.66	0.27	0.02	1.55	0.43	0.09	0.18	2.05	0.36	1.65	0.04
LW2-W023 F	surface water fro	3	0.36	0.51	0.21	0.03	1.50	0.33	0.05	0.13	2.46	0.57	2.78	0.05
LW2-W2005 C	surface water fro	3	1.05	3.95	1.68	0.44	12.10	4.42	0.69	1.27	11.80	1.63	7.05	0.20
LW2-W2005 F	surface water fro	3	0.58	1.05	0.48	0.09	3.32	0.68	0.12	0.29	2.59	0.85	3.18	0.08
LW2-W2011 C	surface water fro	3	0.87	3.59	1.51	0.37	11.20	4.10	0.59	1.16	12.20	1.69	7.69	0.22
LW2-W2011 F	surface water fro	3	0.63	1.29	0.54	0.13	4.77	1.19	0.14	0.31	3.26	1.17	4.42	0.11
LW2-W2013-1 C	surface water fro	3	0.75	12.20	3.36	5.78	172.00	83.80	4.92	2.55	67.20	1.17	6.60	0.62
LW2-W2013-1 F	surface water fro	3	0.54	13.70	3.48	6.74	234.00	67.40	3.45	2.12	69.40	0.88	7.56	0.91
LW2-W2013-2 C	surface water fro	3	0.67	4.80	1.52	1.69	42.20	20.00	1.43	1.07	19.60	1.08	4.90	0.24
LW2-W2013-2 F	surface water fro	3	0.36	2.19	0.65	0.86	27.60	7.96	0.47	0.40	9.03	0.61	2.94	0.18
LW2-W2015 C	surface water fro	3	1.61	6.35	2.84	0.42	11.90	3.54	1.07	1.80	14.20	3.38	10.60	0.30
LW2-W2015 F	surface water fro	3	1.29	3.52	1.69	0.25	6.47	1.22	0.34	0.96	7.21	3.46	10.20	0.25
LW2-W2016 C	surface water fro	3	1.42	5.90	2.70	0.46	12.50	3.80	1.00	1.84	14.80	3.04	10.60	0.28

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
LW2-W2016 F	surface water fro	3	0.99	3.00	1.43	0.21	5.76	1.02	0.32	0.77	6.09	2.79	8.17	0.22
LW2-W2018 C	surface water fro	3	1.00	8.13	2.40	0.34	34.80	17.20	1.09	1.15	27.70	2.11	12.40	0.41
LW2-W2018 F	surface water fro	3	0.76	3.52	1.12	0.16	15.00	5.84	0.35	0.40	13.90	1.58	8.87	0.20
LW2-W2023 C	surface water fro	3	0.56	1.67	0.75	0.13	3.79	1.08	0.28	0.55	5.01	0.88	3.72	0.09
LW2-W2023 F	surface water fro	3	0.28	0.52	0.23	0.03	1.32	0.30	0.06	0.13	1.50	0.48	1.94	0.04
LW2-W3005 C	surface water fro	3	1.44	5.25	2.30	0.43	14.00	5.16	0.91	1.51	14.00	2.34	9.36	0.25
LW2-W3005 F	surface water fro	3	0.89	1.62	0.75	0.13	4.43	1.16	0.21	0.47	4.21	1.22	5.03	0.13
LW2-W3011 C	surface water fro	3	1.26	4.74	2.05	0.35	12.30	4.20	0.77	1.33	13.10	2.27	8.97	0.23
LW2-W3011 F	surface water fro	3	0.69	1.26	0.62	0.10	3.74	0.98	0.17	0.40	3.98	1.18	4.62	0.11
LW2-W3013-1 C	surface water fro	3	1.48	17.00	4.52	3.99	139.00	73.20	5.68	2.55	56.70	2.24	10.10	0.55
LW2-W3013-1 F	surface water fro	3	0.99	13.80	3.64	4.02	157.00	48.80	2.80	1.90	45.00	1.94	10.90	0.72
LW2-W3013-2 C	surface water fro	3	1.11	15.50	4.08	4.47	151.00	71.50	4.91	2.31	56.50	1.84	9.27	0.59
LW2-W3015 C	surface water fro	3	2.73	9.52	4.27	0.65	18.80	5.89	1.51	2.69	19.20	5.34	16.50	0.16
LW2-W3015 F	surface water fro	3	1.91	5.68	2.81	0.44	11.80	2.67	0.62	1.80	12.90	4.25	14.60	0.39
LW2-W3016 C	surface water fro	3	3.28	20.50	9.16	1.29	36.90	8.94	2.82	5.29	37.40	12.70	32.80	1.02
LW2-W3016 F	surface water fro	3	3.14	16.90	8.51	1.17	30.40	4.81	1.55	4.50	29.40	16.00	42.80	1.26
LW2-W3018 C	surface water fro	3	1.30	6.49	2.69	0.31	20.80	7.32	1.29	1.22	27.10	2.26	12.70	0.31
LW2-W3018 F	surface water fro	3	0.35	1.09	0.48	0.05	3.84	0.84	0.13	0.19	4.69	0.70	3.99	0.09
LW2-W3023 C	surface water fro	3	0.80	3.30	1.50	0.25	8.63	2.81	0.55	0.87	10.70	1.52	6.98	0.17
LW2-W3023 F	surface water fro	3	0.39	0.75	0.33	0.05	2.42	0.73	0.09	0.19	2.81	0.62	2.82	0.06
LW3-C600-B	sediment	2	1220.00	716.00	1530.00	4580.00	4660.00	659.00	332.00	825.00	4970.00	2870.00	5480.00	217.00
LW3-C600-C	sediment	2	2600.00	3060.00	5390.00	29900.00	18300.00	3370.00	2880.00	3300.00	28300.00	7600.00	22500.00	1060.00
LW3-C600-D	sediment	2	239.00	264.00	430.00	2490.00	1410.00	260.00	275.00	329.00	2340.00	618.00	1700.00	90.70
LW3-C601-B1	sediment	2	891.00	729.00	1470.00	4030.00	4350.00	611.00	257.00	1020.00	4600.00	2530.00	6000.00	209.00
LW3-C601-B2	sediment	2	848.00	668.00	1390.00	3980.00	4050.00	558.00	231.00	947.00	4310.00	2310.00	5390.00	186.00
LW3-C602-B	sediment	2	269.00	126.00	270.00	755.00	836.00	107.00	49.80	142.00	881.00	573.00	993.00	34.40
LW3-C602-C	sediment	2	829.00	664.00	1210.00	4540.00	4060.00	636.00	379.00	708.00	4770.00	1960.00	4570.00	178.00
LW3-C602-D	sediment	2	1110.00	841.00	1570.00	4280.00	5040.00	713.00	310.00	1160.00	5390.00	2940.00	6810.00	277.00
LW3-C604-B	sediment	2	238.00	157.00	310.00	911.00	1090.00	143.00	60.00	184.00	1080.00	667.00	1130.00	41.50
LW3-C604-C	sediment	2	454.00	285.00	565.00	1860.00	1680.00	232.00	117.00	256.00	2050.00	935.00	2050.00	72.00
LW3-C604-D	sediment	2	940.00	763.00	1460.00	3640.00	4580.00	694.00	273.00	869.00	4750.00	2480.00	5740.00	206.00
LW3-C605-B	sediment	2	316.00	127.00	252.00	713.00	784.00	109.00	45.50	147.00	820.00	626.00	1020.00	42.60
LW3-C605-C	sediment	2	175.00	86.60	171.00	513.00	531.00	74.40	34.70	97.70	629.00	319.00	667.00	26.50

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
LW3-C605-D	sediment	2	914.00	653.00	1300.00	4040.00	4060.00	603.00	268.00	877.00	4730.00	2480.00	5840.00	213.00
LW3-C606-B	sediment	2	50.90	29.30	55.60	204.00	179.00	22.50	10.00	34.20	239.00	114.00	242.00	9.10
LW3-C606-C	sediment	2	100.00	56.80	129.00	590.00	428.00	41.20	22.70	76.80	707.00	213.00	632.00	19.80
LW3-C608-B	sediment	2	421.00	243.00	542.00	1700.00	1600.00	205.00	93.00	336.00	1910.00	917.00	2210.00	78.70
LW3-C608-BD	sediment	2	443.00	247.00	536.00	1800.00	1630.00	218.00	95.50	318.00	2070.00	943.00	2350.00	82.00
LW3-C609-B	sediment	2	260.00	197.00	396.00	1690.00	1290.00	161.00	98.70	240.00	1810.00	745.00	2110.00	73.30
LW3-C609-C	sediment	2	26.00	23.00	55.90	352.00	272.00	13.30	6.86	26.30	534.00	143.00	552.00	15.10
LW3-C609-D	sediment	2	5.07	3.09	10.55	44.10	11.20	2.08	1.54	3.43	31.20	15.16	16.20	1.38
LW3-C664-B	sediment	2	1310.00	1100.00	2280.00	6620.00	6760.00	916.00	385.00	1500.00	7580.00	3410.00	8880.00	303.00
LW3-C664-C	sediment	2	64.50	46.50	101.00	298.00	288.00	35.30	14.60	60.30	324.00	125.00	366.00	9.15
LW3-C665-B	sediment	2	320.00	167.00	423.00	1790.00	1230.00	132.00	64.30	217.00	1840.00	564.00	1880.00	62.20
LW3-C665-C	sediment	2	483.00	391.00	832.00	2600.00	2580.00	292.00	129.00	450.00	3280.00	1260.00	3910.00	131.00
LW3-C665-D	sediment	2	72.50	27.70	147.00	445.00	532.00	86.10	33.60	102.00	595.00	278.00	666.00	19.80
LW3-C676-B	sediment	2	396.00	323.00	790.00	2740.00	2160.00	234.00	102.00	422.00	2670.00	1190.00	3350.00	94.40
LW3-C678-B	sediment	2	466.00	305.00	649.00	2140.00	1970.00	229.00	105.00	403.00	2480.00	1020.00	2900.00	108.00
LW3-C678-C	sediment	2	497.00	412.00	853.00	2890.00	2750.00	306.00	137.00	410.00	3470.00	1410.00	4080.00	139.00
LW3-C678-D	sediment	2	11.00	6.62	17.80	120.00	87.90	2.08	1.54	8.20	201.00	44.70	187.00	5.19
LW3-C679-B	sediment	2	203.00	103.00	191.00	588.00	588.00	68.40	34.90	107.00	806.00	369.00	855.00	29.10
LW3-C679-C	sediment	2	625.00	397.00	760.00	2480.00	2470.00	363.00	162.00	574.00	3120.00	1620.00	3630.00	144.00
LW3-C679-D	sediment	2	1480.00	1310.00	2420.00	6880.00	8120.00	1200.00	448.00	1820.00	8430.00	4730.00	10300.00	400.00
LW3-C686-B	sediment	2	119.00	58.40	130.00	593.00	449.00	42.50	23.50	77.00	721.00	215.00	653.00	21.80
LW3-C686-C	sediment	2	32.70	25.20	44.50	119.00	145.00	20.00	8.12	31.10	163.00	79.50	158.00	5.66
LW3-C688-B	sediment	2	65.40	37.10	75.20	241.00	245.00	30.10	13.60	47.00	312.00	136.00	335.00	13.10
LW3-C688-C	sediment	2	431.00	205.00	554.00	1580.00	1850.00	272.00	121.00	406.00	2130.00	1160.00	2450.00	88.10
LW3-C688-D	sediment	2	1800.00	965.00	2390.00	6260.00	8030.00	1340.00	557.00	1930.00	8510.00	5140.00	9490.00	332.00
LW3-C688-F	sediment	2	32.00	29.90	55.70	302.00	362.00	20.50	8.47	38.20	657.00	178.00	671.00	16.90
LW3-C690-B	sediment	2	102.00	51.20	101.00	303.00	318.00	41.80	19.50	60.80	379.00	203.00	449.00	15.50
LW3-C690-C	sediment	2	267.00	151.00	298.00	955.00	936.00	123.00	57.90	190.00	1220.00	522.00	1310.00	43.10
LW3-C690-D	sediment	2	1540.00	969.00	2130.00	6160.00	7560.00	1190.00	533.00	1570.00	7790.00	4080.00	8550.00	316.00
LW3-C690-E	sediment	2	4160.00	2850.00	5140.00	13200.00	15900.00	2740.00	1130.00	3760.00	16000.00	9630.00	19600.00	728.00
LW3-C702-B	sediment	2	397.00	249.00	612.00	3500.00	2370.00	185.00	98.70	320.00	4430.00	780.00	3830.00	108.00
LW3-C702-C	sediment	2	712.00	587.00	1370.00	5490.00	4890.00	430.00	210.00	714.00	6720.00	1760.00	7030.00	185.00
LW3-C702-D	sediment	2	75.00	67.00	162.00	765.00	614.00	43.20	24.20	71.90	944.00	224.00	964.00	20.30

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
LW3-C703-B	sediment	2	73.30	80.40	225.00	1590.00	1010.00	58.10	42.30	100.00	2000.00	361.00	1710.00	39.20
LW3-C703-C	sediment	2	12.90	14.00	48.10	467.00	187.00	7.00	5.48	15.40	484.00	84.40	417.00	9.92
LW3-C708-B	sediment	2	12500.00	6340.00	30900.00	#######	#######	10600.00	5220.00	20700.00	#######	50800.00	#######	6460.00
LW3-C708-BD	sediment	2	13300.00	7540.00	34000.00	#######	#######	10800.00	5250.00	21400.00	#######	51500.00	#######	6480.00
LW3-C708-C	sediment	2	10200.00	4830.00	23100.00	#######	#######	13800.00	6010.00	22200.00	#######	69600.00	#######	6130.00
LW3-C708-D	sediment	2	442.00	583.00	1550.00	6230.00	5260.00	488.00	222.00	885.00	7780.00	1830.00	7730.00	248.00
LW3-C712-B	sediment	2	20.50	15.40	34.00	234.00	211.00	7.86	3.91	22.20	412.00	105.00	453.00	12.80
LW3-C712-C	sediment	2	6.94	11.61	6.35	33.60	29.00	10.80	7.51	13.77	49.20	16.70	58.40	5.16
LW3-C721-B	sediment	2	214.00	117.00	219.00	581.00	677.00	93.00	40.40	143.00	748.00	396.00	845.00	28.30
LW3-C721-C	sediment	2	849.00	502.00	1020.00	3040.00	2970.00	440.00	192.00	668.00	3200.00	1540.00	3820.00	128.00
LW3-C721-D	sediment	2	648.00	577.00	1250.00	3780.00	3630.00	480.00	224.00	624.00	4010.00	1630.00	4550.00	119.00
LW3-C721-E	sediment	2	15.60	7.60	21.00	71.80	64.70	7.19	3.91	11.10	86.40	36.70	107.00	3.36
LW3-C724-B	sediment	2	2150.00	1220.00	2190.00	5040.00	6520.00	1120.00	469.00	1610.00	6140.00	4070.00	7370.00	259.00
LW3-C738-B	sediment	2	1140.00	685.00	1180.00	8800.00	8290.00	466.00	264.00	789.00	15900.00	2520.00	11300.00	198.00
LW3-C738-C	sediment	2	980.00	413.00	825.00	2360.00	2410.00	409.00	174.00	527.00	2870.00	1280.00	3050.00	111.00
LW3-C738-D	sediment	2	13.58	14.03	5.98	75.00	23.10	10.80	7.51	16.81	117.00	9.74	31.50	6.25
LW3-C738-F	sediment	2	69.30	54.70	101.00	590.00	664.00	29.00	14.80	63.60	1560.00	297.00	1190.00	29.00
LW3-C739-B	sediment	2	200.00	96.70	195.00	934.00	583.00	80.30	41.10	124.00	952.00	309.00	809.00	26.70
LW3-C739-C	sediment	2	1870.00	312.00	630.00	1800.00	1970.00	232.00	104.00	356.00	2220.00	1420.00	2670.00	88.10
LW3-C739-CD	sediment	2	240.00	187.00	343.00	1290.00	1110.00	164.00	77.40	221.00	1530.00	632.00	1490.00	56.30
LW3-C739-D	sediment	2	367.00	218.00	422.00	1670.00	1450.00	189.00	79.20	308.00	2280.00	919.00	2230.00	81.40
LW3-C739-E	sediment	2	1180.00	477.00	1350.00	7290.00	5190.00	629.00	249.00	867.00	10800.00	2500.00	7040.00	248.00
LW3-C747-B	sediment	2	306.00	193.00	404.00	1600.00	1330.00	151.00	80.70	270.00	1910.00	875.00	2170.00	79.70
LW3-C747-C	sediment	2	1910.00	2250.00	4200.00	11500.00	14300.00	2220.00	991.00	3190.00	13800.00	7890.00	16100.00	570.00
LW3-C747-E	sediment	2	759.00	447.00	626.00	8360.00	2440.00	726.00	1010.00	688.00	7950.00	968.00	3530.00	288.00
LW3-C752-B	sediment	2	873.00	814.00	1470.00	7440.00	10300.00	548.00	242.00	928.00	17900.00	3410.00	14200.00	291.00
LW3-C752-C	sediment	2	1510.00	1020.00	2010.00	8160.00	10900.00	836.00	373.00	1330.00	16600.00	4280.00	14700.00	355.00
LW3-C752-D	sediment	2	628.00	405.00	1730.00	9940.00	6650.00	241.00	140.00	517.00	12400.00	1590.00	9660.00	231.00
LW3-C777-B	sediment	2	5.07	4.39	6.00	5.23	6.27	3.05	2.21	4.95	5.56	8.53	6.95	1.95
LW3-C779-B	sediment	2	8.79	5.29	143.00	5490.00	181.00	8.47	99.10	42.00	6680.00	9.77	208.00	3.36
LW3-CA01E-C00D	tissue	1	249.00	1850.00	2430.00	67.30	7910.00	699.00	75.60	797.00	3400.00	1320.00	3460.00	94.80
LW3-CA01E-C01	tissue	1	322.00	2380.00	3000.00	93.30	9970.00	830.00	96.30	1040.00	4210.00	1700.00	4510.00	118.00
LW3-CA01E-C02	tissue	1	268.00	1900.00	2490.00	73.40	8990.00	656.00	73.40	783.00	3350.00	1420.00	3770.00	105.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
LW3-CA02W-C00	tissue	1	212.00	1130.00	1260.00	48.10	4560.00	546.00	56.10	518.00	2260.00	630.00	2240.00	56.70
LW3-CA02W-C00D	tissue	1	207.00	1000.00	1290.00	43.80	4570.00	508.00	50.00	467.00	2090.00	583.00	2020.00	60.20
LW3-CA03W-C00	tissue	1	233.00	1080.00	1130.00	45.40	4330.00	692.00	55.00	499.00	2320.00	656.00	2520.00	72.40
LW3-CA04W-C00	tissue	1	149.00	707.00	775.00	37.30	2850.00	469.00	34.20	332.00	1550.00	526.00	1780.00	48.50
LW3-CA05E-C00	tissue	1	161.00	957.00	991.00	36.90	4020.00	939.00	47.20	415.00	2080.00	625.00	1910.00	52.90
LW3-CA05W-C00	tissue	1	109.00	700.00	859.00	32.30	3120.00	409.00	31.60	309.00	1690.00	537.00	1830.00	52.60
LW3-CA10W-C00	tissue	1	63.10	537.00	532.00	17.80	2670.00	315.00	23.30	201.00	2030.00	334.00	1650.00	31.50
LW3-CA10W-C00D	tissue	1	152.00	1080.00	1020.00	36.00	4940.00	679.00	54.10	391.00	4400.00	579.00	3380.00	60.40
LW3-CA11E-C00	tissue	1	83.00	3140.00	1470.00	1.21	11900.00	6790.00	175.00	382.00	13100.00	439.00	2210.00	65.70
LW3-CA11E-C00D	tissue	1	57.70	2180.00	956.00	1.21	8120.00	5220.00	126.00	260.00	8030.00	273.00	1070.00	36.10
LW3-CA12E-C00	tissue	1	98.70	950.00	650.00	1.21	4900.00	2790.00	45.00	223.00	1480.00	359.00	1320.00	49.70
LW3-CA12E-C00D	tissue	1	61.30	593.00	421.00	1.21	3160.00	1650.00	27.50	138.00	955.00	235.00	875.00	29.90
LW3-CA12W-C00	tissue	1	46.30	277.00	350.00	13.20	1250.00	93.00	13.30	128.00	847.00	231.00	938.00	21.40
LW3-CP0004-C10B	tissue	1	186.00	1780.00	1030.00	216.00	5600.00	633.00	89.70	667.00	6420.00	1780.00	8970.00	281.00
LW3-CP0004-C10F	tissue	1	128.00	1030.00	588.00	101.00	3210.00	329.00	47.50	340.00	3520.00	1270.00	6430.00	186.00
LW3-CP0004-C20B	tissue	1	198.00	2690.00	1630.00	263.00	7520.00	980.00	162.00	985.00	7620.00	2140.00	10600.00	337.00
LW3-CP0004-C20F	tissue	1	144.00	1470.00	855.00	136.00	3970.00	504.00	80.40	493.00	4070.00	1440.00	7290.00	214.00
LW3-CP0004-C30B	tissue	1	252.00	2600.00	1440.00	239.00	9100.00	1970.00	230.00	767.00	7990.00	2010.00	8490.00	315.00
LW3-CP0004-C30F	tissue	1	214.00	1630.00	840.00	135.00	4760.00	766.00	105.00	407.00	4110.00	1620.00	6390.00	217.00
LW3-CP0408-C10B	tissue	1	133.00	2730.00	1880.00	276.00	8150.00	1010.00	178.00	1070.00	8280.00	2420.00	10900.00	377.00
LW3-CP0408-C10F	tissue	1	77.90	1640.00	1060.00	130.00	4900.00	496.00	87.10	578.00	4820.00	1520.00	7060.00	240.00
LW3-CP0408-C20B	tissue	1	113.00	2030.00	1120.00	239.00	7960.00	969.00	106.00	695.00	10500.00	2010.00	11000.00	357.00
LW3-CP0408-C20F	tissue	1	82.70	1740.00	915.00	173.00	7040.00	907.00	103.00	559.00	8980.00	1580.00	9070.00	274.00
LW3-CP0408-C30B	tissue	1	50.15	83600.00	18000.00	15900.00	#######	#######	10900.00	10500.00	#######	2460.00	23400.00	3430.00
LW3-CP0408-C30BD	tissue	1	131.00	85400.00	18300.00	13100.00	#######	#######	10700.00	9710.00	#######	2650.00	23500.00	3120.00
LW3-CP0408-C30F	tissue	1	44.03	59100.00	14700.00	11700.00	#######	#######	10200.00	8140.00	#######	1390.00	14100.00	2220.00
LW3-CP0812-C11B	tissue	1	149.00	2470.00	1360.00	278.00	9800.00	1450.00	165.00	932.00	9640.00	1850.00	9870.00	322.00
LW3-CP0812-C11F	tissue	1	112.00	1700.00	965.00	135.00	6630.00	933.00	108.00	589.00	6270.00	1340.00	7000.00	231.00
LW3-CP0812-C12B	tissue	1	162.00	2570.00	1470.00	285.00	9980.00	1520.00	176.00	971.00	9750.00	1840.00	10200.00	338.00
LW3-CP0812-C12F	tissue	1	113.00	1470.00	819.00	140.00	5930.00	823.00	95.70	526.00	5670.00	1180.00	6700.00	209.00
LW3-CP0812-C20B	tissue	1	181.00	2760.00	1420.00	347.00	15000.00	2000.00	164.00	987.00	18600.00	2130.00	13300.00	385.00
LW3-CP0812-C20F	tissue	1	91.10	1330.00	602.00	118.00	6860.00	852.00	63.60	390.00	8140.00	1190.00	6440.00	211.00
LW3-CP0812-C20FD	tissue	1	95.40	1390.00	642.00	136.00	7010.00	862.00	64.80	412.00	8580.00	1120.00	7090.00	197.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
LW3-CP0812-C30B	tissue	1	104.00	1760.00	973.00	211.00	6480.00	1130.00	132.00	570.00	7260.00	1200.00	5760.00	185.00
LW3-CP0812-C30F	tissue	1	60.40	913.00	476.00	81.70	3370.00	520.00	56.90	264.00	3470.00	698.00	3910.00	111.00
LW3-CR01E-ALT-C00	tissue	1	38.10	5.35	4.44	0.97	40.60	2.22	0.92	2.75	39.30	6.37	265.00	21.80
LW3-CR01W-C00	tissue	1	22.70	3.72	3.63	0.50	32.20	1.78	0.28	2.72	30.30	6.61	173.00	12.40
LW3-CR05W-C00	tissue	1	18.60	4.33	2.70	1.83	24.50	2.68	0.39	1.79	42.70	3.77	347.00	20.10
LW3-CR06W-C00	tissue	1	21.40	6.11	4.14	0.63	111.00	5.80	0.55	2.30	27.00	4.24	129.00	14.40
LW3-CR08W-C00	tissue	1	147.00	86.90	53.90	8.38	230.00	26.80	7.13	41.20	200.00	84.90	815.00	55.40
LW3-CR10W-C00	tissue	1	27.10	6.01	4.09	0.81	54.70	4.65	0.69	2.40	39.40	4.22	345.00	26.60
LW3-CR10W-C00D	tissue	1	26.30	5.82	3.92	0.70	51.20	4.07	0.60	2.13	36.00	4.74	339.00	25.70
LW3-CR11E-C01	tissue	1	84.70	16.20	6.27	1.83	1580.00	43.80	2.08	2.86	293.00	5.01	1630.00	164.00
LW3-CR11E-C02	tissue	1	75.40	16.00	7.43	1.83	1620.00	45.80	2.22	3.29	299.00	5.01	1540.00	148.00
LW3-CR12E-C00	tissue	1	30.70	2.14	1.32	0.21	29.20	1.18	0.51	1.08	18.60	2.85	174.00	16.70
LW3-CR12W-C00	tissue	1	13.70	2.26	1.66	0.24	20.40	1.12	0.51	1.02	14.00	1.98	106.00	10.20
LW3-G600	sediment	2	433.00	222.00	442.00	1580.00	1370.00	180.00	118.00	221.00	1680.00	1090.00	1740.00	67.30
LW3-G601	sediment	2	59.50	22.60	47.20	151.00	144.00	15.90	7.97	25.70	184.00	96.70	203.00	6.72
LW3-G602	sediment	2	104.00	46.60	91.80	309.00	290.00	35.50	16.30	59.40	334.00	215.00	373.00	13.20
LW3-G603	sediment	2	107.00	41.50	77.60	214.00	237.00	28.50	13.60	45.00	271.00	161.00	312.00	10.40
LW3-G604	sediment	2	118.00	47.80	95.50	293.00	307.00	40.80	19.70	58.60	367.00	236.00	420.00	13.90
LW3-G605	sediment	2	98.10	40.50	85.30	251.00	266.00	33.50	16.20	47.90	297.00	184.00	335.00	11.20
LW3-G606	sediment	2	48.50	20.20	41.20	135.00	132.00	15.90	8.76	24.80	171.00	89.10	188.00	6.71
LW3-G607	sediment	2	102.00	40.40	83.80	243.00	259.00	32.80	16.00	50.70	303.00	172.00	345.00	11.70
LW3-G608	sediment	2	169.00	81.90	160.00	472.00	518.00	69.60	31.20	89.90	565.00	391.00	635.00	22.50
LW3-G609	sediment	2	418.00	301.00	581.00	1870.00	1900.00	232.00	113.00	388.00	2340.00	1140.00	2800.00	87.50
LW3-G618	sediment	2	132.00	44.10	86.40	284.00	310.00	36.40	17.60	56.50	436.00	161.00	390.00	11.40
LW3-G618D	sediment	2	123.00	40.40	83.10	258.00	260.00	34.10	16.90	54.00	307.00	148.00	313.00	10.30
LW3-G620	sediment	2	85.70	31.40	63.30	195.00	196.00	24.40	11.90	42.60	238.00	123.00	257.00	8.02
LW3-G624	sediment	2	57.60	24.00	45.90	152.00	143.00	16.20	9.04	27.80	192.00	92.40	205.00	6.38
LW3-G629	sediment	2	492.00	235.00	534.00	2090.00	1660.00	177.00	85.50	326.00	2240.00	931.00	2820.00	89.50
LW3-G631	sediment	2	53.60	20.80	44.50	164.00	147.00	16.60	9.33	28.80	208.00	92.30	218.00	6.63
LW3-G633	sediment	2	61.80	22.50	50.10	206.00	159.00	19.30	11.20	34.90	230.00	104.00	239.00	7.51
LW3-G642	sediment	2	6.93	2.25	5.57	19.70	17.30	1.54	1.47	1.83	22.20	10.70	23.70	1.45
LW3-G644	sediment	2	80.20	31.70	70.20	275.00	216.00	24.30	15.10	52.00	314.00	138.00	320.00	10.70
LW3-G646	sediment	2	8.14	2.25	6.44	23.80	22.40	1.54	1.47	1.83	30.60	14.00	30.50	0.70

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
LW3-G664	sediment	2	1520.00	955.00	1890.00	5260.00	5710.00	816.00	353.00	1340.00	6230.00	3010.00	7470.00	246.00
LW3-G666	sediment	2	73.00	30.70	56.00	181.00	188.00	19.10	9.58	34.50	243.00	123.00	285.00	8.36
LW3-G667	sediment	2	13.70	2.25	10.40	34.60	31.90	1.54	0.97	6.82	50.20	19.10	45.50	0.93
LW3-G668	sediment	2	49.90	24.30	46.00	142.00	143.00	15.90	7.93	27.10	179.00	98.20	210.00	6.99
LW3-G673	sediment	2	54.40	23.50	49.20	167.00	157.00	15.90	7.67	29.20	207.00	101.00	236.00	7.96
LW3-G676	sediment	2	179.00	79.70	177.00	893.00	539.00	62.20	67.90	105.00	836.00	243.00	760.00	22.70
LW3-G676D	sediment	2	175.00	75.90	171.00	823.00	511.00	56.50	60.50	99.90	796.00	220.00	676.00	22.00
LW3-G677	sediment	2	11.50	6.67	13.40	47.80	47.00	1.54	0.97	7.22	70.70	22.10	54.40	0.93
LW3-G681	sediment	2	56.90	25.80	50.10	246.00	160.00	16.00	8.18	27.30	322.00	110.00	249.00	7.50
LW3-G682	sediment	2	53.80	25.90	50.90	167.00	163.00	17.10	9.19	27.40	208.00	99.80	234.00	7.61
LW3-G686	sediment	2	41.10	15.30	31.30	115.00	110.00	10.10	5.67	16.30	184.00	63.10	169.00	1.45
LW3-G687	sediment	2	83.20	26.00	50.20	181.00	165.00	20.30	9.56	34.00	239.00	128.00	284.00	8.70
LW3-G692-1	sediment	2	172.00	78.80	163.00	501.00	510.00	64.90	30.50	111.00	610.00	348.00	740.00	25.90
LW3-G692-1D	sediment	2	188.00	87.70	172.00	512.00	539.00	64.80	29.20	121.00	666.00	364.00	796.00	26.50
LW3-G692-2	sediment	2	153.00	67.60	136.00	396.00	413.00	48.60	21.80	95.00	486.00	278.00	603.00	21.70
LW3-G692-3	sediment	2	149.00	71.70	134.00	393.00	425.00	50.30	22.60	89.10	489.00	283.00	633.00	21.50
LW3-G729	sediment	2	33.20	16.40	31.90	113.00	110.00	11.00	6.16	18.10	156.00	65.70	155.00	1.45
LW3-G732-1	sediment	2	32.80	1.64	30.60	101.00	100.00	11.70	5.87	18.90	137.00	64.50	150.00	0.70
LW3-G732-2	sediment	2	32.90	16.40	29.30	100.00	96.90	10.60	5.25	18.10	138.00	64.80	147.00	0.93
LW3-G738	sediment	2	7760.00	3380.00	5860.00	11900.00	13300.00	2650.00	1080.00	3970.00	12500.00	10300.00	14000.00	566.00
LW3-G739	sediment	2	356.00	158.00	303.00	1530.00	844.00	117.00	64.70	177.00	1540.00	444.00	1010.00	35.10
LW3-G747	sediment	2	51.00	35.00	61.50	241.00	229.00	7.90	14.60	32.30	311.00	98.60	256.00	3.38
LW3-SB010E-C00B	tissue	1	197.00	2700.00	1440.00	261.00	13800.00	954.00	185.00	948.00	21400.00	1970.00	20100.00	479.00
LW3-SB010E-C00F	tissue	1	16.90	291.00	154.00	35.30	1470.00	94.50	21.40	101.00	2160.00	211.00	2080.00	42.40
LW3-SB010E-C00FD	tissue	1	17.00	276.00	151.00	36.90	1370.00	87.60	19.90	91.10	2010.00	202.00	1960.00	39.60
LW3-SB010W-C00B	tissue	1	518.00	2950.00	1520.00	277.00	11700.00	1900.00	238.00	1160.00	10900.00	1260.00	10700.00	535.00
LW3-SB010W-C00F	tissue	1	61.10	300.00	150.00	28.30	1060.00	168.00	24.10	120.00	887.00	148.00	1040.00	51.70
LW3-SB011E-C00B	tissue	1	321.00	5190.00	1890.00	10.75	#######	12000.00	445.00	1380.00	40000.00	664.00	11000.00	534.00
LW3-SB011E-C00F	tissue	1	38.10	868.00	327.00	97.60	19700.00	2100.00	81.20	242.00	7300.00	108.00	1950.00	88.20
LW3-SB011W-C00B	tissue	1	142.00	1580.00	998.00	145.00	5840.00	270.00	39.60	531.00	5960.00	425.00	8000.00	524.00
LW3-SB011W-C00F	tissue	1	17.20	201.00	130.00	21.20	695.00	33.00	5.16	67.20	727.00	57.10	956.00	64.80
LW3-SB02E-C00B	tissue	1	1910.00	27800.00	17800.00	2740.00	84900.00	7100.00	1400.00	11700.00	#######	16800.00	#######	5030.00
LW3-SB02E-C00F	tissue	1	171.00	2750.00	1570.00	252.00	7710.00	545.00	114.00	1010.00	9170.00	2090.00	13600.00	486.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
LW3-SB03E-C00B	tissue	1	308.00	2940.00	1860.00	349.00	9720.00	1270.00	216.00	1300.00	10900.00	1650.00	11200.00	474.00
LW3-SB03E-C00F	tissue	1	38.80	331.00	187.00	32.70	943.00	115.00	20.70	127.00	1010.00	218.00	1240.00	50.90
LW3-SB03W-C00B	tissue	1	188.00	1280.00	824.00	165.00	5440.00	708.00	98.00	595.00	5500.00	742.00	5900.00	268.00
LW3-SB03W-C00F	tissue	1	21.70	150.00	88.90	16.50	530.00	64.20	9.67	58.60	512.00	105.00	677.00	30.70
LW3-SB04E-C01B	tissue	1	2110.00	9850.00	5230.00	1220.00	35200.00	3370.00	498.00	4610.00	45600.00	2710.00	42000.00	1930.00
LW3-SB04E-C01F	tissue	1	302.00	1360.00	673.00	150.00	4300.00	387.00	62.10	583.00	5240.00	403.00	5580.00	269.00
LW3-SB04E-C02B	tissue	1	2010.00	9620.00	5150.00	1230.00	34500.00	3360.00	503.00	4580.00	45700.00	2580.00	42500.00	1940.00
LW3-SB04E-C02F	tissue	1	305.00	1330.00	646.00	154.00	4090.00	378.00	60.00	563.00	5050.00	421.00	5510.00	255.00
LW3-SB04W-C00B	tissue	1	225.00	1690.00	1050.00	165.00	7110.00	925.00	124.00	717.00	7250.00	1010.00	7920.00	332.00
LW3-SB04W-C00F	tissue	1	23.90	171.00	101.00	20.50	616.00	76.30	11.40	68.00	543.00	119.00	783.00	32.30
LW3-SB05W-C00B	tissue	1	248.00	1680.00	986.00	175.00	6920.00	855.00	117.00	738.00	6930.00	945.00	7950.00	325.00
LW3-SB05W-C00F	tissue	1	25.30	189.00	104.00	19.50	694.00	85.60	11.80	78.80	656.00	111.00	831.00	35.00
LW3-SB06E-C00B	tissue	1	186.00	1330.00	751.00	140.00	10100.00	1530.00	112.00	511.00	6430.00	685.00	6420.00	283.00
LW3-SB06E-C00BD	tissue	1	199.00	1420.00	784.00	162.00	10700.00	1690.00	120.00	545.00	6860.00	713.00	6800.00	316.00
LW3-SB06E-C00F	tissue	1	20.80	157.00	83.90	14.50	986.00	153.00	11.40	56.70	611.00	88.50	697.00	31.60
LW3-SB06W-C00B	tissue	1	150.00	1170.00	712.00	124.00	5160.00	578.00	85.60	467.00	6220.00	680.00	8620.00	368.00
LW3-SB06W-C00F	tissue	1	12.80	109.00	60.40	11.10	413.00	48.60	7.44	42.40	462.00	64.80	702.00	32.20
LW3-SB07E-C00B	tissue	1	125.00	2170.00	979.00	282.00	44300.00	4630.00	193.00	623.00	9840.00	597.00	5900.00	461.00
LW3-SB07E-C00F	tissue	1	12.80	220.00	94.10	25.80	3620.00	390.00	19.70	54.40	800.00	71.40	582.00	43.00
LW3-SB07W-C00B	tissue	1	344.00	4640.00	2770.00	459.00	16800.00	2150.00	340.00	1770.00	16000.00	1680.00	15700.00	867.00
LW3-SB07W-C00F	tissue	1	30.30	508.00	282.00	44.30	1580.00	197.00	33.80	185.00	1450.00	194.00	1770.00	101.00
LW3-SB08E-C00B	tissue	1	123.00	875.00	409.00	72.40	4310.00	571.00	62.40	280.00	4430.00	383.00	4670.00	246.00
LW3-SB08E-C00F	tissue	1	16.80	125.00	56.50	10.80	560.00	70.50	8.59	41.00	557.00	53.60	579.00	27.20
LW3-SB08W-C00B	tissue	1	382.00	2320.00	1370.00	242.00	9180.00	1080.00	179.00	980.00	11300.00	1370.00	12000.00	495.00
LW3-SB08W-C00F	tissue	1	30.10	231.00	132.00	23.60	828.00	94.20	16.40	94.50	948.00	142.00	1100.00	44.70
LW3-SB09E-C00B	tissue	1	160.00	1100.00	595.00	106.00	4900.00	839.00	107.00	408.00	5470.00	555.00	5200.00	222.00
LW3-SB09E-C00F	tissue	1	17.10	126.00	64.40	12.60	525.00	87.10	10.60	43.80	551.00	71.90	553.00	22.50
LW3-SB09W-C00B	tissue	1	2720.00	13800.00	7740.00	1270.00	32800.00	4620.00	1080.00	6080.00	37300.00	10900.00	60800.00	2200.00
LW3-SB09W-C00F	tissue	1	220.00	1320.00	690.00	108.00	2740.00	374.00	85.00	528.00	2780.00	1050.00	5070.00	193.00
LW3-SP01E-C00	tissue	1	42.80	465.00	238.00	63.80	1660.00	118.00	3.79	200.00	1860.00	297.00	3010.00	134.00
LW3-SP01W-C00	tissue	1	66.60	386.00	205.00	50.40	1430.00	115.00	19.20	174.00	1550.00	281.00	2780.00	114.00
LW3-SP03E-C00	tissue	1	46.20	386.00	194.00	65.60	1910.00	135.00	16.10	201.00	1800.00	155.00	2520.00	125.00
LW3-SP04W-C00	tissue	1	37.30	400.00	184.00	57.80	2100.00	178.00	17.10	189.00	1790.00	175.00	3030.00	167.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
LW3-SP05E-C00	tissue	1	91.60	810.00	352.00	85.90	3670.00	416.00	34.20	346.00	2840.00	366.00	3580.00	144.00
LW3-SP06W-C00	tissue	1	46.50	597.00	277.00	74.00	2020.00	204.00	26.60	277.00	2240.00	208.00	2300.00	120.00
LW3-SP07E-C00	tissue	1	20.90	222.00	109.00	34.10	1270.00	124.00	10.30	102.00	1050.00	77.30	1340.00	71.20
LW3-SP07W-C00	tissue	1	44.00	589.00	308.00	88.20	2400.00	233.00	26.00	321.00	2900.00	293.00	3180.00	140.00
LW3-SP08E-C00	tissue	1	35.50	540.00	212.00	54.90	3980.00	513.00	24.30	156.00	2990.00	180.00	2550.00	107.00
LW3-SP08W-C00	tissue	1	227.00	2450.00	1390.00	317.00	7430.00	579.00	98.10	1180.00	12100.00	1520.00	14700.00	506.00
LW3-SP09W-C00	tissue	1	155.00	1440.00	749.00	199.00	5680.00	389.00	60.20	635.00	10500.00	811.00	9940.00	331.00
LW3-SP10E-C00	tissue	1	25.10	312.00	135.00	44.00	1970.00	157.00	10.20	141.00	1890.00	134.00	2530.00	114.00
LW3-SP10W-C00	tissue	1	49.60	455.00	215.00	63.80	2080.00	223.00	20.60	200.00	2250.00	241.00	2600.00	107.00
LW3-SP11E-C00	tissue	1	81.90	10300.00	1950.00	823.00	56500.00	13400.00	999.00	1610.00	70800.00	913.00	13600.00	489.00
LW3-SP12E-C00	tissue	1	21.30	173.00	89.30	28.50	957.00	13.97	1.96	91.20	1080.00	74.30	1460.00	78.10
LW3-SP12W-ALT-C01	tissue	1	11.90	109.00	50.30	13.90	519.00	8.64	1.80	42.80	699.00	56.20	1090.00	45.00
LW3-SP12W-ALT-C02	tissue	1	11.90	115.00	52.90	16.60	583.00	9.72	1.80	50.50	708.00	57.60	1100.00	50.60
LW3-STW2-CW10-WR142	stormwater	3	43.90	31.90	40.80	83.90	152.00	5.70	2.75	6.25	129.00	94.00	165.00	1.47
LW3-STW2-CW10-WR4	stormwater	3	11.28	10.90	12.99	66.60	112.00	8.89	7.58	9.74	122.00	17.06	111.00	4.62
LW3-STW2-CW30-WR4	stormwater	3	8.72	8.37	9.67	53.50	102.00	8.30	5.43	9.06	133.00	55.00	179.00	3.97
LW3-STW2-CW40-WR142	stormwater	3	46.40	4.63	34.70	72.90	112.00	4.28	2.75	4.71	114.00	81.00	146.00	1.89
LW3-STW-CW10-WR04	stormwater	3	8.72	8.37	9.67	10.47	35.50	8.30	3.94	5.64	47.20	10.15	39.80	3.97
LW3-STW-CW10-WR142	stormwater	3	8.72	8.37	9.67	6.20	26.70	8.30	5.43	9.06	31.00	26.80	40.70	2.59
LW3-STW-CW10-WR384	stormwater	3	1120.00	960.00	1820.00	3670.00	5300.00	1100.00	456.00	1250.00	5430.00	948.00	2450.00	103.00
LW3-STW-CW20-H30	stormwater	3	187.00	85.70	150.00	265.00	433.00	67.90	5.43	92.50	386.00	251.00	395.00	1.20
LW3-STW-CW20-WR384	stormwater	3	#######	59800.00	#######	#######	#######	61400.00	24700.00	71000.00	#######	#######	#######	8430.00
LW3-STW-CW20-WR4	stormwater	3	17.06	16.59	19.12	18.72	18.56	11.57	7.67	12.59	33.60	19.44	36.90	5.88
LW3-STW-CW30-WR384	stormwater	3	55200.00	37600.00	70900.00	#######	#######	37900.00	16200.00	43000.00	#######	71600.00	#######	4720.00
LW3-STW-CW30-WR4	stormwater	3	37.10	4.63	34.30	59.40	106.00	4.28	2.75	4.71	124.00	57.40	117.00	1.89
LW3-STW-CW40-WR384	stormwater	3	34100.00	18800.00	34400.00	67500.00	#######	17000.00	7610.00	23300.00	#######	41200.00	80700.00	2340.00
LW3-STW-GW10-WR142-D	stormwater	3	4.84	8.37	9.67	6.20	6.06	8.30	5.43	9.06	7.76	6.16	6.91	5.88
LW3-STW-GW10-WR142-T	stormwater	3	8.72	8.37	9.67	10.47	9.73	14.20	9.51	9.06	12.61	10.15	11.12	7.54
LW3-UG02A	sediment	2	18.10	4.74	17.10	65.90	60.60	6.51	3.32	10.90	79.00	4.72	85.20	2.63
LW3-UG02C	sediment	2	16.20	7.48	12.80	41.60	47.00	5.30	0.97	8.15	60.80	32.60	74.30	1.45
LW3-UG02E-1	sediment	2	21.90	9.34	18.60	59.70	65.20	6.99	1.47	10.70	85.10	41.50	97.80	2.09
LW3-UG02E-2	sediment	2	21.20	13.30	24.80	63.90	80.80	12.60	5.71	15.00	89.80	38.60	92.50	2.46
LW3-UG03A-1	sediment	2	16.70	10.00	16.30	51.40	61.80	6.48	1.47	10.40	72.30	34.90	80.00	1.45

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
LW3-UG03A-2	sediment	2	17.00	9.10	13.30	54.50	48.90	6.57	2.04	7.37	81.40	40.00	94.10	2.09
LW3-UG03A-3	sediment	2	15.60	10.30	17.10	47.40	58.60	7.46	2.04	7.21	81.90	34.60	80.30	2.09
LW3-UG03B	sediment	2	6.34	2.86	2.42	10.80	14.10	1.54	2.04	1.83	17.60	9.03	20.80	2.46
LW3-UG04B	sediment	2	13.90	7.62	14.60	38.90	44.60	6.76	1.47	9.46	50.80	20.10	46.30	1.45
LW3-UG06A	sediment	2	12.40	2.25	11.10	45.90	41.60	6.02	1.47	6.20	65.30	25.10	63.50	1.45
LW3-UG06B	sediment	2	15.20	6.40	13.80	41.10	46.90	5.21	1.47	7.50	61.80	30.00	69.70	1.45
LW3-UG11B	sediment	2	6.09	2.25	4.93	13.50	17.20	1.54	1.47	1.83	22.10	10.10	23.80	1.45
LW3-UG12A	sediment	2	22.10	9.14	17.30	57.70	60.70	7.47	1.47	11.10	77.30	48.00	105.00	1.45
LW3-UG12B	sediment	2	16.80	8.28	14.80	50.10	53.10	5.15	1.47	8.09	65.20	33.70	83.00	1.45
LW3-W3005-NB-C	surface water fro	3	1.82	4.36	1.83	0.33	9.83	3.09	0.68	1.52	10.30	1.65	7.12	0.17
LW3-W3005-NB-F	surface water fro	3	0.33	2.26	1.06	0.18	4.84	0.98	0.23	0.81	4.77	1.74	7.51	0.17
LW3-W3005-NS-C	surface water fro	3	2.44	5.53	2.34	0.44	11.00	3.49	0.86	1.98	12.10	1.87	8.61	0.22
LW3-W3005-NS-F	surface water fro	3	0.34	2.55	1.16	0.20	4.74	0.85	0.21	0.89	4.64	1.85	7.67	0.17
LW3-W3011-NB-C	surface water fro	3	0.21	2.67	1.08	0.18	6.62	2.17	0.40	0.76	7.39	1.15	5.28	0.14
LW3-W3011-NB-F	surface water fro	3	0.21	0.52	0.34	0.03	2.17	0.45	0.07	0.23	2.06	0.85	3.53	0.07
LW3-W3011-NS-C	surface water fro	3	0.81	2.82	1.21	0.19	6.86	2.13	0.40	0.77	7.84	1.28	5.88	0.14
LW3-W3011-NS-F	surface water fro	3	0.21	0.52	0.30	0.04	1.29	0.30	0.07	0.18	1.77	0.51	2.89	0.06
LW3-W3023-E-C	surface water fro	3	0.22	2.29	0.88	0.14	5.63	1.97	0.36	0.68	6.44	0.99	4.59	0.10
LW3-W3023-E-F	surface water fro	3	0.31	2.02	0.85	0.05	5.40	1.39	0.22	0.60	5.71	1.54	7.11	0.13
LW3-W3023-M-C	surface water fro	3	0.21	1.66	0.70	0.13	3.34	0.67	0.23	0.55	4.45	0.82	3.77	0.09
LW3-W3023-M-F	surface water fro	3	0.21	0.52	0.19	0.02	1.29	0.13	0.04	0.14	1.20	0.51	1.98	0.03
LW3-W3023-W-C	surface water fro	3	0.13	2.11	0.92	0.14	4.58	0.95	0.31	0.69	5.82	1.08	4.85	0.11
LW3-W3023-W-F	surface water fro	3	0.21	1.06	0.50	0.07	2.07	0.32	0.10	0.36	2.66	0.88	4.02	0.08
LW3-W3024-NB-C	surface water fro	3	0.21	2.17	0.97	0.16	4.30	0.82	0.30	0.70	6.43	1.01	4.40	0.09
LW3-W3024-NB-F	surface water fro	3	0.21	1.41	0.67	0.04	2.65	0.35	0.13	0.38	3.72	1.33	5.38	0.11
LW3-W3024-NS-C	surface water fro	3	0.21	2.73	1.23	0.07	5.49	1.05	0.36	0.79	7.91	1.31	5.66	0.14
LW3-W3024-NS-F	surface water fro	3	0.21	0.52	0.34	0.03	1.29	0.19	0.04	0.17	1.82	0.51	1.98	0.06
LW3-W3025-E-C	surface water fro	3	12.60	28.60	12.10	2.24	46.60	13.80	4.17	11.60	47.20	7.00	27.70	0.82
LW3-W3025-E-F	surface water fro	3	4.33	6.66	3.16	0.49	11.20	1.93	0.58	2.74	10.60	3.35	14.90	0.37
LW3-W3025-M-C	surface water fro	3	2.49	6.09	2.47	0.42	13.60	4.54	0.93	2.02	14.00	2.12	8.41	0.21
LW3-W3025-M-F	surface water fro	3	0.21	1.16	0.55	0.08	2.49	0.47	0.10	0.35	2.38	0.97	3.71	0.08
LW3-W3025-W-C	surface water fro	3	0.29	3.58	1.49	0.26	8.10	2.47	0.54	1.13	8.42	1.40	5.77	0.16
LW3-W3025-W-F	surface water fro	3	0.21	0.52	0.34	0.06	1.29	0.18	0.07	0.24	1.71	0.51	2.74	0.07

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
LW3-W3027-NB-C	surface water fro	3	0.29	3.29	1.39	0.23	7.16	2.24	0.52	1.12	8.35	1.20	5.26	0.08
LW3-W3027-NB-F	surface water fro	3	0.21	1.12	0.51	0.08	2.51	0.47	0.06	0.35	2.58	0.94	3.85	0.08
LW3-W3027-NS-C	surface water fro	3	1.47	3.77	1.62	0.28	8.38	2.55	0.60	1.30	9.45	1.54	6.68	0.15
LW3-W3027-NS-F	surface water fro	3	0.21	1.07	0.48	0.04	2.33	0.44	0.10	0.33	2.52	0.93	3.68	0.08
NCPS_0	Sediment	2	30.60	36.00	20.40	0.13	63.30	0.31	0.16	10.30	67.40	1.81	131.00	3.58
NCPS_1	Sediment	2	4.64	1.62	0.98	0.12	4.50	0.35	0.17	0.43	4.39	1.81	7.59	0.17
NCPS_2	Sediment	2	28.20	34.60	19.00	0.14	65.10	13.00	0.22	10.20	63.50	34.10	125.00	3.66
NCPS_3	Sediment	2	21.00	22.30	11.80	0.13	41.30	0.33	0.17	6.12	45.70	23.70	89.90	0.17
NCPS_4	Sediment	2	12.80	13.50	6.84	0.10	22.60	3.00	0.11	3.99	23.70	11.50	44.50	0.15
PSPS_1	Sediment	2	26.10	25.20	15.20	2.35	57.20	0.29	3.00	8.88	62.70	28.10	94.60	2.82
PSPS_2	Sediment	2	13.80	11.70	6.56	0.09	25.40	3.57	0.11	4.10	28.80	13.20	46.50	1.29
PSPS_3	Sediment	2	2.50	1.62	0.98	0.10	10.80	1.94	0.16	1.57	13.10	6.33	22.40	0.15
PSPS_8	Sediment	2	8.13	1.62	0.98	0.09	3.07	0.29	0.11	0.37	4.39	1.81	7.59	0.11
PSPS_9	Sediment	2	2.50	4.86	0.98	0.10	10.70	0.48	0.25	0.43	12.80	6.42	21.60	0.11
R_CAR_0	Sediment	2	5.25	3.92	2.26	0.09	8.40	0.29	0.47	1.20	9.40	3.78	14.30	0.11
R_CAR_1	Sediment	2	4.65	3.63	1.91	0.29	7.73	0.29	0.11	1.05	8.03	3.34	13.30	0.11
R_CAR_4	Sediment	2	10.80	10.10	5.83	0.10	21.40	0.29	0.11	3.38	25.60	9.23	31.60	0.11
R_CAR_5	Sediment	2	9.79	9.89	5.22	1.49	23.90	3.57	0.17	3.33	31.90	1.81	43.40	0.15
R_CAR_6_C	Sediment	2	2.50	1.62	1.63	0.09	6.49	1.12	0.41	0.37	7.60	1.81	12.50	0.42
R_DAB_0	Sediment	2	3.46	1.62	0.98	0.10	5.49	0.33	0.17	0.37	6.56	1.94	7.56	0.11
R_DAB_1	Sediment	2	19.80	16.80	9.44	0.12	35.40	8.00	2.44	4.90	36.90	14.70	51.50	0.15
R_DAB_2	Sediment	2	10.10	8.55	5.02	0.10	18.00	2.95	0.12	2.50	20.30	9.79	35.10	0.14
R_DAB_5	Sediment	2	15.80	15.70	8.26	0.10	31.50	5.21	0.12	5.69	32.60	17.20	58.50	1.59
R_DAB_7_C	Sediment	2	25.30	25.80	14.70	0.12	55.50	15.90	3.78	8.00	55.90	24.40	80.60	2.69
R_HOL_0	Sediment	2	4.46	3.72	2.50	0.10	8.06	1.54	0.11	1.33	10.00	3.78	15.70	0.14
R_HOL_1	Sediment	2	5.54	4.53	0.98	0.10	9.54	1.55	0.45	0.37	11.70	4.58	16.80	0.15
R_HOL_3	Sediment	2	4.69	2.74	1.52	0.09	5.33	0.87	0.06	0.90	6.19	2.71	10.40	0.11
R_HOL_4	Sediment	2	14.20	12.40	7.02	0.12	23.60	3.74	1.21	3.20	30.90	12.10	44.70	0.15
R_HOL_7	Sediment	2	16.70	15.10	10.30	0.86	31.00	0.33	1.42	4.18	35.90	15.70	58.00	1.94
R_SAM_0	Sediment	2	2.50	1.62	2.19	0.67	6.95	0.29	0.13	0.40	4.39	1.81	7.59	0.15
R_SAM_1	Sediment	2	2.50	1.62	0.98	0.06	9.45	0.31	0.16	0.37	9.75	7.79	25.10	0.14
R_SAM_3	Sediment	2	2.50	5.00	3.13	0.12	10.90	0.33	0.17	0.43	11.40	1.81	28.50	0.76
R_SAM_4	Sediment	2	11.60	4.17	1.89	0.10	3.07	0.31	0.16	0.40	4.39	6.54	20.40	0.14

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
R_SAM_5	Sediment	2	2.50	1.62	3.04	0.12	13.70	2.00	0.17	0.43	19.00	8.58	30.10	0.15
SCPS_1	Sediment	2	23.60	12.50	6.61	0.12	25.40	0.33	1.52	0.44	30.00	17.40	60.60	0.15
SCPS_10_C	Sediment	2	15.50	11.10	6.31	0.10	21.40	0.31	1.16	0.37	23.50	14.00	55.10	1.37
SCPS_2	Sediment	2	7.06	4.02	2.24	0.10	3.07	0.29	0.55	0.40	4.39	1.81	20.10	0.52
SCPS_3	Sediment	2	2.50	2.60	0.98	0.17	5.53	0.91	0.46	0.37	4.39	1.81	7.59	0.15
SCPS_5	Sediment	2	31.00	15.40	8.85	0.13	32.40	4.62	0.17	5.15	36.80	20.80	74.30	2.04
SJF_10_C	Sediment	2	2.50	1.62	0.98	0.06	3.07	0.29	0.37	0.37	4.39	5.12	7.59	0.35
SJF_3	Sediment	2	2.50	1.62	0.98	0.10	3.07	1.01	0.24	1.35	4.39	1.81	19.60	0.11
SJF_9_C	Sediment	2	2.50	5.44	0.98	0.10	11.40	1.48	0.10	2.04	12.60	8.72	31.30	0.11
SJI_0	Sediment	2	2.50	5.06	0.98	0.17	10.70	1.48	0.10	2.13	12.30	7.88	26.30	0.79
SJI_1	Sediment	2	2.50	1.62	0.98	0.09	3.07	1.49	0.51	1.86	9.03	1.81	6.07	0.11
SJI_20_C_GS	Sediment	2	1.86	10.30	5.41	0.10	21.10	3.64	0.11	0.40	22.90	14.10	42.70	1.07
SJI_3	Sediment	2	2.50	1.62	0.98	0.10	3.07	0.29	0.13	0.99	4.39	4.32	7.59	0.33
SJI_8_C	Sediment	2	2.50	1.62	0.98	0.09	3.07	1.00	0.10	1.12	4.39	1.81	7.59	0.34
SPSB_0	Sediment	2	2.50	10.60	0.98	0.12	21.00	0.33	0.17	3.27	22.00	12.30	44.00	0.15
SPSB_1	Sediment	2	15.70	8.95	5.91	0.12	19.50	4.23	0.19	0.43	20.10	9.29	32.50	0.17
SPSB_2	Sediment	2	3.17	1.62	6.04	0.12	23.10	0.31	1.43	0.43	23.20	11.70	42.00	0.17
SPSB_3	Sediment	2	2.50	1.62	0.98	0.09	3.07	0.33	0.17	0.37	4.39	3.26	9.03	0.11
SPSB_8_C	Sediment	2	2.50	1.62	0.98	0.09	3.07	0.29	0.10	0.37	4.39	1.81	7.59	0.11
SS_0	Sediment	2	2.50	8.65	4.95	0.10	19.20	0.29	0.11	3.08	22.50	9.57	36.50	0.18
SS_1	Sediment	2	2.50	1.62	0.98	0.09	3.07	0.41	0.06	0.36	4.39	1.81	7.59	0.11
SS_2	Sediment	2	2.50	5.75	0.98	0.09	12.50	2.13	0.10	1.81	13.30	6.04	24.50	0.11
SS_8_C	Sediment	2	2.50	9.58	6.18	0.66	20.20	3.86	1.43	3.13	22.90	11.30	40.10	1.23
SS_9_C	Sediment	2	21.70	14.50	0.98	0.10	34.90	5.17	1.53	0.37	46.50	15.60	65.50	0.15
UCS-A	Sediment	2	304.00	516.00	254.00	5.18	902.00	181.00	63.80	198.00	1060.00	490.00	1650.00	41.50
UCS-B	Sediment	2	279.00	337.00	172.00	7.74	644.00	114.00	32.32	121.00	826.00	330.00	1160.00	28.60
UCS-C	Sediment	2	230.00	342.00	177.00	10.55	632.00	114.00	32.32	123.00	827.00	322.00	1140.00	28.10
UMCS-205-Invert	Invertebrate Tiss	1	87.20	131.00	71.10	9.00	247.00	41.40	14.30	45.30	363.00	145.00	571.00	10.36
UMCS-205-Sed	Sediment	2	259.00	344.00	176.00	13.30	643.00	113.00	42.30	109.00	966.00	333.00	1180.00	25.40
UMCS-A	Sediment	2	201.00	460.00	296.00	14.07	1410.00	226.00	88.50	84.50	1570.00	269.00	1470.00	58.40
UMCS-B	Sediment	2	170.00	555.00	302.00	19.16	1610.00	286.00	130.00	83.00	2130.00	238.00	1410.00	46.40
UMCS-C	Sediment	2	147.00	298.00	158.00	28.63	665.00	129.00	62.70	63.40	984.00	177.00	761.00	23.70
US-FLO-Invert	Invertebrate Tiss	1	41.60	58.70	32.00	9.00	130.00	22.20	6.93	18.10	162.00	67.80	222.00	8.59

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
US-FLO-QA-Invert	Invertebrate Tiss	1	34.10	25.44	30.90	9.00	124.00	22.20	6.93	18.70	159.00	68.50	229.00	8.59
WGNM-Invert	Invertebrate Tiss	1	137.00	216.00	109.00	9.00	381.00	64.90	24.00	69.80	579.00	250.00	896.00	24.00
WGNM-Sed	Sediment	2	359.00	456.00	224.00	23.90	761.00	150.00	53.80	139.00	1270.00	411.00	1300.00	31.50
WS-IS-A	Sediment	2	482.00	2750.00	357.00	51.80	1220.00	258.00	85.40	243.00	1540.00	545.00	1990.00	48.70
WS-IS-B	Sediment	2	579.00	5530.00	674.00	10.48	3610.00	381.00	150.00	420.00	6420.00	1430.00	8630.00	120.00
WS-IS-C	Sediment	2	277.00	1900.00	224.00	11.34	841.00	167.00	64.80	152.00	1200.00	359.00	1340.00	29.70
LW3-STW-CW10-WR22	stormwater	3	3130.00	1920.00	3470.00	6850.00	10300.00	1680.00	723.00	1850.00	10300.00	6140.00	9470.00	297.00
LW3-STW-CW20-WR22	stormwater	3	3850.00	2270.00	3980.00	7920.00	11900.00	1980.00	853.00	2030.00	11300.00	8600.00	11600.00	379.00
LW3-STW-CW30-WR22	stormwater	3	2900.00	1550.00	2750.00	5990.00	8230.00	1380.00	598.00	1600.00	8460.00	5630.00	7370.00	248.00
LW3-STW-GW10-WR22-D	stormwater	3	13.90	13.44	15.52	10.47	29.70	14.20	9.51	15.40	12.61	14.95	11.12	12.24
LW3-STW-GW10-WR22-T	stormwater	3	1290.00	1030.00	1780.00	3880.00	5670.00	1290.00	537.00	967.00	5770.00	3220.00	4440.00	145.00
LW3-W3026-NB-C	surface water fro	3	8.02	14.60	6.33	1.33	26.90	7.69	2.34	6.30	27.80	5.05	22.00	0.46
LW3-W3026-NB-F	surface water fro	3	0.37	4.56	2.15	0.10	8.92	1.51	0.45	1.85	8.76	2.28	9.90	0.26
LW3-W3026-NS-C	surface water fro	3	8.55	16.50	7.23	1.36	29.40	8.17	2.49	6.75	30.00	5.56	23.60	0.12
LW3-W3026-NS-F	surface water fro	3	0.35	4.00	1.97	0.31	8.33	1.39	0.43	1.52	7.78	2.45	10.30	0.26
LW3-W3037-NB-C	surface water fro	3	0.99	2.58	1.11	0.23	6.39	1.58	0.41	0.87	7.74	1.18	5.42	0.08
LW3-W3037-NB-F	surface water fro	3	0.21	0.87	0.30	0.11	2.96	0.33	0.07	0.25	2.51	0.51	3.30	0.12
LW3-W3037-NS-C	surface water fro	3	1.03	2.68	1.19	0.07	6.40	1.57	0.37	0.90	7.34	1.15	5.57	0.08
LW3-W3037-NS-F	surface water fro	3	0.21	0.52	0.15	0.11	1.29	0.14	0.04	0.09	1.20	0.51	1.98	0.12
LW3-STW-CW20-WR161	stormwater	3	59.30	10.90	13.49	112.00	214.00	9.51	8.01	10.43	353.00	139.00	350.00	4.96
LW3-STW-CW30-WR161	stormwater	3	155.00	81.20	112.00	267.00	551.00	42.10	2.84	60.90	736.00	422.00	11.12	3.97
LW3-STW-CW40-WR161	stormwater	3	53.80	32.00	45.60	94.50	194.00	8.30	3.94	24.60	247.00	153.00	344.00	3.97
LW3-STW-GW10-WR161-D	stormwater	3	13.90	16.59	19.12	15.70	13.96	18.09	12.29	19.54	18.29	14.95	16.03	12.24
LW3-STW-GW10-WR161-T	stormwater	3	13.90	13.44	15.52	15.70	13.96	14.20	9.51	15.40	33.40	14.95	37.20	7.54
LW3-STW-GW20-WR161-D	stormwater	3	8.72	8.76	10.18	38.10	21.86	8.30	9.94	9.06	23.15	31.50	62.80	10.22
LW3-STW-GW20-WR161-T	stormwater	3	91.50	49.90	76.60	34.15	258.00	18.09	12.29	41.90	305.00	176.00	376.00	12.24
LW3-STW-CW20-WR123	stormwater	3	6370.00	3340.00	6070.00	12500.00	18200.00	3020.00	1360.00	3940.00	19100.00	7310.00	13700.00	420.00
LW3-STW-CW40-WR123	stormwater	3	3260.00	1820.00	3230.00	7010.00	10700.00	1580.00	698.00	1950.00	13100.00	4320.00	9490.00	240.00
LW3-STW-CW50-WR123	stormwater	3	615.00	289.00	500.00	981.00	1500.00	220.00	98.30	282.00	1610.00	692.00	1270.00	36.40
LW3-STW-GW10-WR123-D	stormwater	3	17.06	16.59	19.12	15.70	9.73	18.09	12.29	19.54	12.61	10.15	11.12	12.24
LW3-STW-GW10-WR123-T	stormwater	3	641.00	446.00	726.00	1650.00	2700.00	332.00	156.00	387.00	3440.00	1030.00	2230.00	51.10
LW3-STW-CW10-WR67-2	stormwater	3	13.90	13.44	15.52	57.40	61.90	11.57	9.51	12.59	89.30	31.80	59.50	5.27
LW3-STW-CW20-WR67	stormwater	3	9.58	9.46	10.18	10.47	34.30	8.30	5.82	9.06	34.80	12.38	11.12	3.97

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
LW3-STW-CW30-WR67	stormwater	3	38.70	8.76	10.18	59.60	97.60	8.30	5.64	9.06	111.00	68.10	134.00	3.97
LW3-STW-CW40-WR67	stormwater	3	13.90	13.44	15.52	15.70	32.80	14.20	9.51	15.40	18.29	16.38	16.03	10.22
LW3-STW-CW60-WR67	stormwater	3	13.90	13.44	9.67	10.47	9.73	14.20	6.61	9.06	12.61	10.15	11.12	10.22
LW3-STW-CW30-SJB	stormwater	3	2250.00	1190.00	2120.00	4230.00	6270.00	1030.00	444.00	1420.00	6080.00	2700.00	4970.00	170.00
LW3-STW-CW40-SJB	stormwater	3	121.00	67.30	108.00	224.00	330.00	50.60	8.00	67.90	328.00	125.00	215.00	5.88
LW3-STW-CW50-SJB	stormwater	3	1320.00	725.00	1330.00	2450.00	3630.00	648.00	282.00	896.00	3390.00	1780.00	2910.00	96.20
LW3-STW-GW10-SJB-D	stormwater	3	75.60	47.80	77.90	125.00	199.00	33.50	5.43	9.40	167.00	113.00	164.00	3.97
LW3-STW-GW10-SJB-T	stormwater	3	1230.00	649.00	1010.00	1650.00	2790.00	408.00	215.00	635.00	2210.00	1690.00	2500.00	76.30
WLCT4C07BsnM070324	stormwater	3	245.00	163.00	274.00	620.00	1040.00	116.00	53.50	123.00	1350.00	451.00	996.00	3.97
WLCT4C07BsnM070407	stormwater	3	94.70	215.00	204.00	807.00	2760.00	57.70	31.10	80.00	4610.00	1460.00	7710.00	61.50
WLCT4C07BsnM070503	stormwater	3	147.00	169.00	186.00	507.00	1440.00	72.80	48.50	83.40	2200.00	694.00	3140.00	3.97
WLCT4C07BsnQ070324	stormwater	3	1100.00	705.00	1260.00	2180.00	3550.00	570.00	235.00	714.00	3240.00	1490.00	2580.00	80.50
WLCT4C07BsnQ070407	stormwater	3	425.00	241.00	418.00	787.00	1290.00	188.00	89.00	256.00	1190.00	614.00	1120.00	34.60
WLCT4C07BsnR070324	stormwater	3	471.00	185.00	309.00	572.00	846.00	137.00	67.60	193.00	779.00	497.00	779.00	3.97
WLCT4C07BsnR070407	stormwater	3	821.00	488.00	872.00	1710.00	2600.00	373.00	167.00	511.00	2340.00	1430.00	2030.00	74.80
WLCT4C07BsnR070503	stormwater	3	24500.00	12300.00	20800.00	36700.00	59700.00	8720.00	3930.00	11700.00	55700.00	29600.00	48700.00	1360.00
WLCT4C07BsnL070324	stormwater	3	1060.00	526.00	868.00	1560.00	2640.00	349.00	158.00	534.00	2310.00	1970.00	2860.00	88.00
WLCT4C07BsnL070503	stormwater	3	1010.00	565.00	930.00	1650.00	2690.00	383.00	178.00	518.00	2650.00	1790.00	2840.00	78.10
WLCT4C07BsnL070520	stormwater	3	5000.00	1980.00	3550.00	6000.00	9270.00	1470.00	661.00	2120.00	7470.00	7940.00	10000.00	354.00
LW3-W3028-NB-C	surface water fro	3	3.82	8.00	3.28	0.82	16.40	4.64	0.22	3.27	15.50	2.64	11.40	0.30
LW3-W3028-NB-F	surface water fro	3	0.21	0.77	0.32	0.06	1.29	0.27	0.10	0.18	1.20	0.51	1.98	0.03
LW3-W3028-NS-C	surface water fro	3	9.33	16.10	6.40	1.34	27.60	7.73	2.51	6.17	29.40	5.00	20.90	0.51
LW3-W3028-NS-F	surface water fro	3	5.03	8.72	4.29	0.88	15.50	2.88	0.98	3.61	15.30	3.14	15.20	0.35
LW3-STW2-CW20-WR218	stormwater	3	152.00	80.10	125.00	254.00	479.00	55.40	27.40	68.10	499.00	335.00	664.00	3.97
LW3-STW-CW10-WR218	stormwater	3	190.00	140.00	191.00	520.00	1080.00	86.30	41.90	94.60	1370.00	537.00	1630.00	2.59
LW3-STW-CW20-WR218	stormwater	3	95.00	68.00	102.00	201.00	369.00	55.70	6.18	46.40	436.00	236.00	510.00	3.97
LW3-W3038-NB-C	surface water fro	3	0.21	1.01	0.69	0.07	4.39	1.13	0.29	0.63	6.19	0.72	3.50	0.06
LW3-W3038-NB-F	surface water fro	3	0.21	0.52	0.15	0.11	1.29	0.10	0.11	0.09	1.20	0.51	1.98	0.12
LW3-W3038-NS-C	surface water fro	3	0.21	1.97	0.49	0.06	4.72	1.27	0.34	0.63	6.54	0.80	3.62	0.11
LW3-W3038-NS-F	surface water fro	3	0.21	0.52	0.28	0.03	1.29	0.21	0.04	0.22	2.15	0.51	3.05	0.12
WLCT4C07BsnT070324	stormwater	3	1010.00	640.00	1090.00	2000.00	3210.00	552.00	242.00	708.00	2890.00	1290.00	2340.00	76.90
WLCT4C07BsnT070407	stormwater	3	552.00	283.00	502.00	962.00	1500.00	262.00	122.00	317.00	1340.00	614.00	1100.00	37.40
WLCT4C07BsnT070503	stormwater	3	3970.00	2440.00	4460.00	8700.00	12800.00	2110.00	924.00	2970.00	12600.00	4580.00	8560.00	277.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
LW3-W3032-NB-C	surface water fro	3	0.22	4.07	1.38	0.09	15.20	6.57	0.65	0.97	10.30	1.41	6.55	0.17
LW3-W3032-NB-F	surface water fro	3	0.21	1.60	0.53	0.15	9.50	3.14	0.22	0.30	3.55	0.87	3.64	0.07
LW3-W3032-NS-C	surface water fro	3	0.22	4.94	1.51	0.41	28.70	13.80	0.93	1.04	11.50	1.40	6.62	0.18
LW3-W3032-NS-F	surface water fro	3	0.21	1.88	0.52	0.15	14.20	4.81	0.27	0.28	3.75	0.76	3.25	0.10
LW3-STW-CW10-OF22	stormwater	3	79.30	48.20	81.80	163.00	267.00	44.10	35.60	45.60	309.00	114.00	222.00	0.87
LW3-STW-CW20-OF22	stormwater	3	282.00	136.00	243.00	456.00	740.00	105.00	48.90	138.00	711.00	401.00	713.00	3.97
LW3-STW-CW20-OF22D	stormwater	3	255.00	144.00	234.00	447.00	691.00	125.00	61.90	132.00	743.00	379.00	684.00	3.97
LW3-STW-CW30-OF22	stormwater	3	56.90	33.20	54.40	107.00	160.00	20.79	14.26	22.40	190.00	96.80	173.00	12.24
LW3-STW-GW10-OF22-D	stormwater	3	13.90	13.44	15.52	15.70	9.73	8.30	5.43	15.40	12.61	14.95	11.12	5.88
LW3-STW-GW10-OF22-T	stormwater	3	178.00	79.90	144.00	276.00	446.00	68.10	36.40	79.10	472.00	255.00	439.00	3.97
LW3-W3034-NB-C	surface water fro	3	1.03	2.78	1.20	0.21	5.98	1.48	0.40	1.03	7.56	1.35	5.42	0.13
LW3-W3034-NB-F	surface water fro	3	0.13	1.10	0.53	0.11	2.57	0.46	0.12	0.37	2.89	0.80	3.72	0.06
LW3-W3034-NS-C	surface water fro	3	0.23	2.93	1.25	0.21	6.04	1.50	0.42	1.01	7.66	1.25	5.20	0.07
LW3-W3034-NS-F	surface water fro	3	0.21	1.03	0.54	0.04	2.40	0.23	0.12	0.38	2.69	0.89	3.98	0.05
IE1567	Sediment	2	3.87	4.72	2.57	0.34	14.90	1.70	0.48	1.62	32.00	4.88	33.00	0.55
IE1568	Sediment	2	4.19	5.94	3.75	0.50	18.20	3.05	0.81	1.93	32.00	5.36	33.00	0.99
IE1569	Sediment	2	4.70	4.91	3.25	0.50	14.50	1.99	0.52	1.63	26.00	5.60	31.00	1.23
IE1570	Sediment	2	17.50	34.00	18.80	2.60	76.00	12.30	4.11	14.60	105.00	26.90	128.00	2.85
IE1571	Sediment	2	6.91	11.90	5.88	1.33	32.00	9.24	1.31	3.05	49.00	8.36	49.00	2.20
IE1572	Sediment	2	5.47	7.34	4.15	0.50	19.80	2.54	0.81	2.81	35.00	7.72	42.00	1.23
IE1573	Sediment	2	5.73	9.37	5.35	0.70	26.70	3.55	1.06	3.61	45.20	8.81	45.60	1.47
IE1574	Sediment	2	356.00	584.00	319.00	39.00	934.00	206.00	66.00	302.00	1100.00	66.00	652.00	24.00
IE1575	Sediment	2	371.00	721.00	446.00	53.00	1240.00	259.00	86.00	397.00	1350.00	79.00	703.00	27.00
IE1576	Sediment	2	53.00	71.00	43.00	4.83	234.00	22.00	7.50	31.00	458.00	49.00	402.00	7.81
IE1577	Sediment	2	78.00	170.00	95.00	11.00	308.00	54.00	19.00	83.00	415.00	64.00	353.00	8.84
IE1578	Sediment	2	218.00	370.00	238.00	27.30	670.00	118.00	39.70	212.00	712.00	41.40	384.00	14.70
IE1579	Sediment	2	2.08	1.19	2.35	0.70	4.65	1.08	0.81	1.63	6.97	4.51	3.76	0.75
IU4814	Sediment	2	68.30	134.00	75.00	10.30	283.00	42.50	15.20	56.70	401.00	90.30	495.00	11.30
IU4815	Sediment	2	212.00	387.00	204.00	27.30	704.00	128.00	46.10	178.00	852.00	124.00	879.00	22.70
IU4816	Sediment	2	297.00	468.00	273.00	33.90	831.00	158.00	51.30	241.00	917.00	91.60	726.00	22.00
IU4817	Sediment	2	237.00	401.00	222.00	28.40	713.00	137.00	45.20	205.00	763.00	102.00	700.00	17.60
IU4818	Sediment	2	40.20	80.00	44.50	4.70	230.00	6.37	0.88	30.40	398.00	70.80	428.00	1.90
IU4819	Sediment	2	68.60	93.00	53.50	0.99	219.00	30.90	2.29	46.30	321.00	53.30	352.00	1.90

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-037	PCB-040	PCB-042	PCB-043	PCB-044	PCB-045	PCB-046	PCB-048	PCB-052	PCB-056	PCB-061	PCB-063
IU4820	Sediment	2	83.60	134.00	84.40	8.60	306.00	9.15	14.10	62.40	366.00	108.00	517.00	1.61
IU4821	Sediment	2	70.70	185.00	89.60	1.25	400.00	61.40	21.50	68.30	555.00	129.00	664.00	3.31
IU4822	Sediment	2	115.00	203.00	103.00	1.54	362.00	68.60	2.69	92.20	457.00	107.00	593.00	16.60
IU4823	Sediment	2	238.00	417.00	230.00	29.70	808.00	150.00	50.30	150.00	978.00	221.00	1080.00	24.80
IU4824	Sediment	2	193.00	343.00	184.00	2.75	794.00	112.00	3.34	121.00	1410.00	216.00	1470.00	3.45
IU4825	Sediment	2	24.70	48.00	25.00	1.54	103.00	16.70	1.90	13.20	152.00	51.30	233.00	1.90
IU4826	Sediment	2	106.00	152.00	78.30	1.05	283.00	48.00	2.28	65.50	335.00	69.30	386.00	2.82
IU4827	Sediment	2	163.00	226.00	26.87	13.30	408.00	68.00	24.80	103.00	472.00	103.00	581.00	14.90
IU4828	Sediment	2	181.00	278.00	142.00	2.12	520.00	96.00	2.48	20.14	591.00	111.00	597.00	4.57
IU4829	Sediment	2	59.10	96.00	54.20	0.99	270.00	32.40	1.90	43.60	459.00	79.10	567.00	8.80
IU4830	Sediment	2	60.40	110.00	60.30	0.99	401.00	30.30	1.48	44.00	881.00	117.00	971.00	2.38
IU4831	Sediment	2	52.00	150.00	82.00	9.40	610.00	9.15	1.90	57.00	1430.00	136.00	1180.00	11.40
IU4832	Sediment	2	169.00	280.00	156.00	20.10	540.00	120.00	38.20	141.00	619.00	79.00	491.00	12.00
IU4833	Sediment	2	132.00	240.00	136.00	3.48	440.00	85.40	29.60	120.00	495.00	74.00	447.00	11.40
IU4834	Sediment	2	11.68	57.90	27.60	0.85	131.00	17.70	7.80	19.90	208.00	59.00	292.00	1.90
IU4835	Sediment	2	79.00	220.00	113.00	3.16	430.00	74.40	26.50	97.00	530.00	128.00	646.00	14.20

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
LW3-STW2-CW10-WR96	stormwater	3	390.00	0.67	61.90	141.00	256.00	155.00	0.07	106.00	431.00	265.00	34.40	774.00
LW3-STW-CW30-WR96	stormwater	3	653.00	4.27	118.00	216.00	341.00	240.00	1.09	126.00	613.00	473.00	58.30	999.00
LW3-STW-CW40-WR96	stormwater	3	255.00	2.68	47.60	77.60	151.00	97.90	0.99	56.00	279.00	191.00	4.59	421.00
LW3-STW-GW10-WR96-D	stormwater	3	113.00	4.15	26.50	11.38	70.30	52.10	2.57	26.30	144.00	117.00	6.53	224.00
LW3-STW-GW10-WR96-T	stormwater	3	245.00	4.15	44.50	84.50	149.00	99.20	1.03	62.30	248.00	202.00	6.79	418.00
LW3-W3033-2-NB-C	surface water fro	3	3.48	0.06	0.29	0.56	1.71	0.83	3.54	1.06	6.29	1.22	0.09	6.18
LW3-W3033-2-NB-F	surface water fro	3	2.92	0.07	0.49	0.71	1.34	1.02	3.82	0.95	6.36	2.31	0.23	7.12
LW3-W3033-2-NS-C	surface water fro	3	3.65	0.07	0.33	0.55	1.65	0.82	3.50	1.04	5.84	1.30	0.11	5.64
LW3-W3033-2-NS-F	surface water fro	3	2.40	0.07	0.37	0.55	1.03	0.81	3.18	0.78	5.11	1.97	0.18	5.65
LW3-W3033-NB-C	surface water fro	3	3.05	0.10	0.27	0.46	1.58	0.76	3.14	1.01	5.49	1.06	0.07	5.40
LW3-W3033-NB-F	surface water fro	3	3.09	0.05	0.45	0.69	1.30	1.00	3.74	0.91	5.99	2.16	0.21	6.81
LW3-W3033-NS-C	surface water fro	3	3.45	0.12	0.26	0.55	1.63	0.77	3.39	1.06	5.72	1.24	0.12	5.48
LW3-W3033-NS-F	surface water fro	3	2.77	0.08	0.43	0.65	1.21	1.00	3.64	0.88	5.94	2.15	0.22	6.55
060403-FIL-1	Surface Water	3	0.46	0.01	0.05	0.17	0.34	0.31	1.09	0.18	1.58	0.65	0.07	1.76
060403-XAD-1	Surface Water	3	0.51	0.04	0.04	0.09	0.33	0.17	0.79	0.16	1.18	0.28	0.03	1.29
060404-FIL-2	Surface Water	3	0.36	0.08	0.06	0.08	0.14	0.18	0.59	0.10	0.94	0.36	0.04	1.02
060404-XAD-2	Surface Water	3	0.45	0.04	0.04	0.07	0.19	0.12	0.53	0.10	0.80	0.19	0.03	0.89
070910-SPMD1A	Surface Water	3	2360.00	102.00	129.00	203.00	621.00	414.00	1430.00	362.00	2570.00	606.00	57.60	2150.00
070910-SPMD1B	Surface Water	3	1950.00	79.70	103.00	195.00	519.00	366.00	1220.00	290.00	2170.00	559.00	53.70	1930.00
070910-SPMD2A	Surface Water	3	2740.00	104.00	174.00	331.00	940.00	767.00	2410.00	553.00	4000.00	1310.00	121.00	4260.00
070910-SPMD2B	Surface Water	3	2680.00	104.00	157.00	312.00	1030.00	782.00	2460.00	607.00	4300.00	1260.00	120.00	4050.00
070910-SPMD3A	Surface Water	3	2800.00	116.00	185.00	225.00	769.00	628.00	1810.00	473.00	3440.00	948.00	97.50	3250.00
070910-SPMD3B	Surface Water	3	2370.00	95.70	166.00	202.00	673.00	562.00	1620.00	415.00	2990.00	846.00	85.10	2920.00
071022-SPMD1A	Surface Water	3	2800.00	131.00	140.00	204.00	632.00	401.00	1390.00	368.00	2650.00	515.00	57.50	2070.00
071022-SPMD1B	Surface Water	3	1940.00	90.70	111.00	169.00	500.00	333.00	1120.00	296.00	2110.00	467.00	44.10	1740.00
071022-SPMD2A	Surface Water	3	1970.00	66.90	102.00	337.00	808.00	642.00	2070.00	440.00	3060.00	1200.00	101.00	3410.00
071022-SPMD2B	Surface Water	3	2430.00	69.40	113.00	592.00	1370.00	1140.00	3770.00	735.00	5190.00	2450.00	191.00	6150.00
071022-SPMD3A	Surface Water	3	1790.00	79.50	128.00	159.00	496.00	359.00	1130.00	283.00	2110.00	542.00	52.40	1930.00
071022-SPMD3B	Surface Water	3	1770.00	76.90	112.00	147.00	441.00	317.00	1030.00	247.00	1850.00	484.00	46.20	1780.00
071102-SPMD1A	Surface Water	3	1640.00	73.30	94.30	143.00	383.00	251.00	892.00	215.00	1530.00	347.00	37.90	1410.00
071102-SPMD1B	Surface Water	3	1130.00	54.80	64.40	106.00	287.00	181.00	651.00	160.00	1150.00	243.00	25.50	998.00
071102-SPMD2A	Surface Water	3	1720.00	72.70	102.00	212.00	561.00	394.00	1380.00	316.00	2200.00	666.00	63.50	2230.00
071102-SPMD2B	Surface Water	3	1670.00	69.20	88.40	246.00	632.00	463.00	1530.00	338.00	2340.00	836.00	67.70	2450.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
071102-SPMD3A	Surface Water	3	1940.00	85.40	113.00	161.00	474.00	340.00	1120.00	269.00	1970.00	480.00	48.60	1860.00
071102-SPMD3B	Surface Water	3	2050.00	87.80	119.00	166.00	471.00	327.00	1140.00	259.00	1970.00	500.00	50.20	1820.00
08021252XAD	Surface Water	3	0.28	0.01	0.00	0.05	0.15	0.07	0.34	0.07	0.54	0.12	0.01	0.58
08021252XAD-FIL	Surface Water	3	0.23	0.01	0.00	0.06	0.09	0.10	0.36	0.06	0.54	0.22	0.02	0.64
08021354XAD	Surface Water	3	0.28	0.00	0.00	0.05	0.14	0.08	0.33	0.07	0.51	0.11	0.02	0.55
08021354XAD-FIL	Surface Water	3	0.32	0.01	0.05	0.07	0.20	0.17	0.69	0.25	1.78	0.33	0.04	1.04
08022156XAD	Surface Water	3	0.28	0.01	0.00	0.05	0.14	0.08	0.34	0.06	0.53	0.12	0.02	0.57
08022156XAD-FIL	Surface Water	3	0.43	0.01	0.05	0.11	0.17	0.18	0.61	0.09	0.86	0.42	0.05	1.09
08022453XAD	Surface Water	3	0.28	0.01	0.08	0.06	0.17	0.10	0.46	0.07	0.63	0.16	0.02	0.72
08022453XAD-FIL	Surface Water	3	0.31	0.01	0.06	0.08	0.19	0.18	0.72	0.20	1.54	0.34	0.04	1.08
08022555XAD	Surface Water	3	0.30	0.01	0.05	0.05	0.16	0.09	0.39	0.07	0.59	0.15	0.02	0.66
08022555XAD-FIL	Surface Water	3	0.28	0.01	0.00	0.08	0.12	0.14	0.48	0.08	0.73	0.34	0.04	0.84
08022757XAD	Surface Water	3	0.26	0.01	0.05	0.04	0.14	0.08	0.33	0.05	0.49	0.13	0.02	0.55
08022757XAD-FIL	Surface Water	3	0.25	0.01	0.00	0.06	0.11	0.11	0.41	0.06	0.61	0.26	0.03	0.72
08022959XAD	Surface Water	3	0.30	0.02	0.00	0.05	0.15	0.09	0.39	0.07	0.61	0.15	0.02	0.69
08022959XAD-FIL	Surface Water	3	0.26	0.01	0.00	0.06	0.11	0.12	0.44	0.07	0.68	0.30	0.04	0.77
08030460XAD	Surface Water	3	0.32	0.01	0.00	0.06	0.14	0.09	0.41	0.07	0.61	0.14	0.02	0.71
08030460XAD-FIL	Surface Water	3	0.28	0.01	0.06	0.07	0.12	0.14	0.51	0.07	0.78	0.33	0.04	0.87
08030661XAD	Surface Water	3	0.32	0.01	0.08	0.06	0.17	0.10	0.47	0.08	0.65	0.16	0.02	0.78
08030661XAD-FIL	Surface Water	3	0.36	0.01	0.07	0.08	0.14	0.16	0.62	0.08	0.86	0.40	0.04	1.08
08030758XAD	Surface Water	3	0.31	0.01	0.09	0.06	0.18	0.10	0.48	0.08	0.68	0.18	0.02	0.74
08030758XAD-FIL	Surface Water	3	0.28	0.01	0.05	0.07	0.12	0.13	0.48	0.07	0.72	0.28	0.03	0.79
ACOE-BAIT	Bait (used in tra	1	1.80	1.12	0.12	0.35	0.55	1.33	2.11	0.33	2.62	2.67	1.90	3.11
P01-CF	Crayfish	1	13.20	0.17	3.76	0.40	0.32	6.37	7.22	0.51	11.60	14.60	0.89	4.32
P04-CF	Crayfish	1	35.70	0.09	6.54	2.73	4.02	123.00	42.50	3.48	57.70	93.10	3.94	31.80
P04-Clam	Clam Tissue	1	1680.00	20.90	69.00	357.00	834.00	1880.00	17400.00	1010.00	15900.00	6200.00	521.00	12400.00
P04-Sed	Sediment	2	356.00	4.03	7.09	232.00	493.00	426.00	1580.00	292.00	2180.00	1080.00	95.40	2690.00
P05-CF	Crayfish	1	57.70	0.29	14.80	1.96	4.02	92.40	10.00	2.50	60.80	56.60	2.61	19.40
P05-Clam	Clam Tissue	1	516.00	11.60	41.00	57.40	123.00	330.00	2790.00	146.00	2310.00	1020.00	88.90	1920.00
P05-Sed	Sediment	2	4.20	0.10	0.21	1.98	3.89	3.98	13.00	2.39	16.60	9.54	0.72	23.90
P06-CF	Crayfish	1	96.70	0.46	20.70	1.45	2.46	347.00	39.80	2.15	169.00	86.30	5.94	24.70
P06-Clam	Clam Tissue	1	714.00	15.00	52.30	120.00	301.00	591.00	4080.00	303.00	4200.00	1730.00	136.00	3490.00
P06-Sed	Sediment	2	13.00	0.11	0.60	5.79	11.80	11.70	35.70	6.54	47.40	24.60	2.04	67.90

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
P07-CF	Crayfish	1	142.00	0.15	10.50	0.83	0.89	94.40	14.60	1.08	70.60	134.00	13.92	9.47
P07-Clam	Clam Tissue	1	387.00	8.22	35.90	43.20	110.00	291.00	2880.00	129.00	2200.00	924.00	77.40	1720.00
P07-Sed	Sediment	2	27.30	0.19	1.10	14.00	36.40	25.20	93.40	20.00	125.00	47.50	4.00	171.00
P08-CF	Crayfish	1	18.00	0.27	4.33	0.20	0.40	28.70	9.11	0.50	17.20	34.70	2.35	4.96
P08-Clam	Clam Tissue	1	337.00	8.43	34.80	31.90	81.80	242.00	1860.00	105.00	1790.00	741.00	62.70	1360.00
P08-Sed	Sediment	2	16.80	0.16	1.21	7.06	15.10	15.20	48.40	9.18	66.30	33.50	2.83	90.10
P09-Sed	Sediment	2	33.30	0.29	1.99	14.70	34.00	27.60	94.50	19.30	136.00	57.20	5.10	171.00
P100-CF	Crayfish	1	14.00	0.14	4.02	0.15	0.49	3.93	4.78	0.44	6.61	11.80	0.67	2.86
P10-Clam	Clam Tissue	1	244.00	6.66	26.90	24.60	57.30	157.00	1070.00	69.70	1100.00	455.00	37.40	928.00
P10-Sed	Sediment	2	20.50	0.27	1.98	6.50	15.00	14.00	43.70	9.36	63.00	31.10	2.53	84.30
P110-CF	Crayfish	1	7.41	3.59	2.26	11.53	0.56	2.58	3.47	0.40	5.26	6.24	0.40	3.99
P110-Clam	Clam Tissue	1	295.00	9.20	33.70	29.30	64.70	134.00	489.00	59.60	845.00	352.00	28.90	786.00
P110-Sed	Sediment	2	21.00	0.47	2.85	3.66	8.13	9.25	28.60	5.27	44.20	24.90	1.72	52.80
P110-SP	Sculpin	1	236.00	1.60	7.99	4.24	4.60	132.00	103.00	5.64	176.00	362.00	12.90	186.00
P111-Sed	Sediment	2	24.80	0.52	3.53	4.45	9.95	10.40	32.40	6.11	51.90	27.70	2.27	63.50
P11-Clam	Clam Tissue	1	280.00	8.23	33.60	19.30	52.30	145.00	615.00	61.10	992.00	407.00	32.80	852.00
P11-Sed	Sediment	2	17.10	0.48	2.31	4.67	10.40	9.40	31.90	5.51	47.10	21.10	2.05	59.20
P13-CF	Crayfish	1	7.05	0.27	2.11	0.21	0.23	4.58	1.73	0.05	5.43	4.89	0.44	2.42
P13-Clam	Clam Tissue	1	347.00	11.40	37.50	17.90	60.50	163.00	777.00	76.10	1160.00	437.00	37.10	956.00
P13-Sed	Sediment	2	11.60	0.24	1.63	1.61	3.22	4.69	15.00	2.28	24.00	12.40	1.07	27.40
P14-CF	Crayfish	1	3.86	0.40	1.74	0.20	0.32	3.10	0.51	0.12	4.32	3.67	29.86	2.52
P14-Clam	Clam Tissue	1	361.00	11.60	38.80	20.10	61.60	173.00	803.00	75.60	1190.00	464.00	41.60	1010.00
P14-Sed	Sediment	2	2.48	0.15	0.42	0.36	0.73	0.99	2.77	0.46	4.27	2.87	0.24	5.56
P15-CF	Crayfish	1	8.47	0.53	4.38	0.24	0.60	4.28	3.39	0.38	6.03	7.46	0.69	3.48
P15-Clam	Clam Tissue	1	258.00	7.55	33.30	19.10	51.20	142.00	614.00	59.40	923.00	397.00	32.40	812.00
P15-Sed	Sediment	2	15.70	0.37	2.40	2.94	5.94	7.79	23.50	4.21	36.90	18.80	1.41	43.60
P16-CF	Crayfish	1	19.00	0.43	5.14	0.26	0.40	6.45	4.91	0.10	9.84	13.20	1.15	3.06
P16-Clam	Clam Tissue	1	249.00	6.99	30.10	15.60	45.90	129.00	583.00	55.30	899.00	361.00	29.40	738.00
P16-Sed	Sediment	2	13.00	0.34	2.17	2.97	4.88	6.93	18.20	3.24	27.60	16.80	1.34	39.30
P17-CF	Crayfish	1	6.72	0.68	1.57	0.37	0.66	2.80	5.21	0.79	9.08	6.36	0.36	7.22
P17-Clam	Clam Tissue	1	269.00	8.06	30.70	18.70	52.60	136.00	599.00	64.20	968.00	365.00	29.90	786.00
P17-Sed	Sediment	2	10.60	0.23	1.51	1.84	3.12	4.90	12.10	2.23	18.70	12.00	0.95	26.80
P18-CF	Crayfish	1	10.80	0.53	4.12	0.22	0.23	5.87	2.83	0.34	7.35	7.37	0.58	3.33

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
P18-Clam	Clam Tissue	1	300.00	8.39	33.90	19.00	54.20	143.00	600.00	63.60	967.00	377.00	30.10	796.00
P18-Sed	Sediment	2	9.17	0.16	1.32	1.65	2.73	4.22	11.80	2.06	17.30	11.30	0.82	22.80
P19-CF	Crayfish	1	10.30	0.20	2.67	0.14	0.10	3.21	5.66	0.14	6.68	11.10	0.53	3.35
P20-CF	Crayfish	1	10.50	0.13	3.38	0.20	0.15	3.90	4.85	0.43	7.56	11.00	0.61	3.46
P21-CF	Crayfish	1	17.60	0.31	3.66	0.26	0.35	3.71	6.75	0.58	9.91	12.70	0.71	5.81
P21-Clam	Clam Tissue	1	253.00	7.32	32.00	16.00	48.80	134.00	573.00	57.90	927.00	371.00	30.80	784.00
P21-Sed	Sediment	2	8.20	0.16	1.47	1.62	2.59	4.38	11.80	1.90	18.40	12.50	0.97	24.80
P22-CF	Crayfish	1	2.43	0.25	1.30	0.09	0.07	1.31	0.16	0.03	2.15	1.97	64.05	0.14
P22-Clam	Clam Tissue	1	319.00	10.00	37.80	19.00	60.70	169.00	694.00	69.80	1110.00	438.00	41.00	978.00
P22-Sed	Sediment	2	7.28	0.14	0.99	1.14	2.55	3.42	9.22	1.59	15.20	8.92	0.60	18.70
P24-Clam	Clam Tissue	1	301.00	9.85	33.80	16.50	56.80	161.00	652.00	70.70	1070.00	399.00	36.10	892.00
P24-Sed	Sediment	2	6.99	0.13	0.98	1.01	2.43	3.01	9.26	1.53	16.20	8.01	0.73	17.10
P26-Clam	Clam Tissue	1	306.00	9.84	33.20	18.90	63.90	170.00	785.00	75.90	1240.00	350.00	36.90	986.00
P26-Sed	Sediment	2	4.81	0.10	0.70	1.15	2.12	2.72	8.05	1.35	12.00	7.17	0.60	15.10
P27-Clam	Clam Tissue	1	342.00	10.80	34.30	18.50	60.40	166.00	779.00	74.20	1200.00	370.00	42.70	981.00
P27-Sed	Sediment	2	10.00	0.20	1.39	1.53	3.94	5.27	21.80	2.51	31.30	13.20	1.07	33.90
P28-Clam	Clam Tissue	1	319.00	10.50	37.30	16.40	59.30	165.00	760.00	73.40	1160.00	434.00	39.60	954.00
P28-Sed	Sediment	2	6.87	0.13	1.11	1.23	2.48	3.55	9.40	1.48	14.80	9.06	0.72	19.40
P29-Clam	Clam Tissue	1	336.00	13.20	36.40	18.20	63.20	159.00	644.00	75.40	1090.00	406.00	36.60	936.00
P29-Sed	Sediment	2	9.65	0.26	1.40	1.43	2.89	3.77	11.20	1.97	18.40	10.90	0.79	22.10
P33-CF	Crayfish	1	7.92	0.31	2.39	0.14	0.49	2.87	2.99	0.48	5.33	7.62	0.33	3.44
P34-Clam	Clam Tissue	1	348.00	14.00	36.10	18.50	64.50	166.00	662.00	78.30	1130.00	424.00	37.50	954.00
P34-Sed	Sediment	2	18.00	0.37	2.01	5.71	13.20	10.60	39.10	6.79	58.90	27.50	2.36	68.20
P35-Clam	Clam Tissue	1	397.00	14.40	42.80	22.00	78.30	198.00	768.00	91.40	1320.00	484.00	44.20	1120.00
P35-Sed	Sediment	2	6.49	0.16	1.04	0.95	2.43	2.72	8.07	1.56	13.10	8.18	0.62	16.10
P36-Clam	Clam Tissue	1	420.00	13.00	44.30	24.50	79.10	202.00	773.00	94.70	1350.00	484.00	49.10	1120.00
P36-Sed	Sediment	2	7.22	0.17	0.97	1.01	2.07	2.58	7.70	1.36	13.10	8.03	0.48	15.60
P37-Clam	Clam Tissue	1	360.00	11.20	38.40	20.60	69.40	173.00	692.00	82.70	1170.00	419.00	37.60	982.00
P37-Sed	Sediment	2	6.39	0.16	1.02	0.96	1.87	2.60	6.85	1.30	11.80	6.53	0.59	14.30
P38/42-CF	Crayfish	1	11.90	0.15	2.88	0.18	0.42	3.47	3.23	0.35	6.46	8.98	0.53	3.13
P38-Clam	Clam Tissue	1	345.00	10.50	37.10	21.50	64.20	166.00	668.00	75.70	1140.00	416.00	38.70	972.00
P38-Sed	Sediment	2	7.06	0.16	1.13	1.14	2.51	3.83	13.30	1.80	20.70	9.85	0.79	25.00
P39-Clam	Clam Tissue	1	387.00	11.40	43.20	25.10	78.40	203.00	792.00	91.90	1350.00	484.00	44.50	1140.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
P39-Sed	Sediment	2	4.56	0.09	0.64	0.66	1.31	1.98	5.28	0.88	8.77	5.34	0.45	11.10
P40-Clam	Clam Tissue	1	366.00	11.50	46.30	21.70	70.90	175.00	702.00	83.80	1220.00	535.00	41.60	999.00
P40-Sed	Sediment	2	6.89	0.16	0.88	0.82	1.77	2.89	9.13	1.36	16.00	7.46	0.64	17.30
P41-Clam	Clam Tissue	1	368.00	11.30	46.80	20.90	73.10	174.00	707.00	85.70	1260.00	556.00	41.60	999.00
P41-Sed	Sediment	2	4.44	0.22	0.71	0.58	1.12	1.68	5.07	0.78	8.58	4.89	0.42	10.50
P42-Clam	Clam Tissue	1	332.00	9.74	41.40	18.80	64.40	158.00	645.00	75.10	1130.00	488.00	36.40	910.00
P42-Sed	Sediment	2	2.96	0.07	0.43	0.31	0.63	1.09	3.30	0.53	5.39	2.96	0.24	6.34
P46-Sed	Sediment	2	1.40	0.17	0.26	0.16	0.38	0.71	1.57	0.33	2.61	1.79	0.16	2.85
P47-Sed	Sediment	2	3.46	0.08	0.53	0.61	1.17	2.02	4.59	0.83	7.75	6.26	0.40	10.60
P48-Sed	Sediment	2	2.73	0.06	0.48	0.46	0.83	1.33	3.55	0.57	5.61	4.26	0.25	7.15
P49-Sed	Sediment	2	10.10	0.25	1.60	1.24	2.41	3.40	10.10	1.59	16.60	9.43	0.44	17.20
P50-Sed	Sediment	2	17.80	0.35	2.01	2.34	6.29	5.73	19.70	4.17	30.90	19.70	1.17	35.90
P51-Sed	Sediment	2	3.33	0.18	0.57	0.55	0.93	1.79	4.51	0.78	7.14	3.98	0.41	8.71
P65-Clam	Clam Tissue	1	362.00	11.60	42.00	20.50	66.60	186.00	744.00	83.90	1250.00	478.00	41.30	1050.00
P65-Sed	Sediment	2	6.88	0.14	1.04	1.20	2.41	3.07	9.00	1.47	14.40	8.49	0.68	18.80
P67-Sed	Sediment	2	1.41	0.35	0.29	0.27	0.37	0.41	1.17	0.22	1.59	1.30	0.09	2.32
P72-CF	Crayfish	1	5.78	0.37	2.62	0.25	0.42	3.64	2.03	0.32	4.97	3.57	0.33	2.71
P73-CF	Crayfish	1	8.94	0.43	3.29	0.17	0.27	3.53	2.21	0.33	4.86	6.03	0.40	2.03
P74-CF	Crayfish	1	13.60	0.10	2.99	0.18	0.37	3.68	3.49	0.40	6.91	12.70	0.41	3.33
P75-CF	Crayfish	1	12.90	0.49	2.57	0.07	0.03	3.51	6.42	28.71	9.00	10.60	150.19	5.47
P76-CF	Crayfish	1	3.81	0.56	1.87	0.19	0.37	2.47	1.63	0.26	3.68	3.01	0.27	2.11
P78-CF	Crayfish	1	5.43	0.62	2.09	0.19	0.37	2.44	1.61	0.26	3.55	3.34	0.22	2.04
P79-CF	Crayfish	1	9.40	0.15	3.49	0.15	0.47	4.25	3.53	0.40	7.01	7.99	0.67	3.44
P82-CF	Crayfish	1	27.90	0.20	4.66	0.21	0.60	7.65	10.20	0.66	17.10	24.80	1.67	4.76
P85-Clam	Clam Tissue	1	332.00	9.98	40.80	18.80	62.40	164.00	684.00	77.80	1140.00	478.00	35.80	877.00
P85-Sed	Sediment	2	8.39	0.22	1.27	1.57	3.03	4.67	14.20	2.08	20.40	10.30	0.96	25.20
P86-Clam	Clam Tissue	1	313.00	9.56	38.40	16.80	56.00	145.00	596.00	71.00	1030.00	440.00	32.90	809.00
P86-Sed	Sediment	2	4.77	0.11	0.73	0.85	1.77	2.41	7.33	1.23	11.00	5.82	0.49	13.60
P87-Clam	Clam Tissue	1	287.00	8.51	35.70	17.10	52.70	136.00	578.00	65.90	965.00	414.00	30.80	779.00
P87-Sed	Sediment	2	5.64	0.14	0.89	1.17	2.27	3.08	8.96	1.51	13.40	6.91	0.64	16.80
P88-Clam	Clam Tissue	1	347.00	10.60	39.80	20.90	68.20	189.00	792.00	81.20	1240.00	476.00	41.60	1050.00
P88-Sed	Sediment	2	3.11	0.06	0.41	0.57	1.09	1.39	4.48	0.75	7.17	4.02	0.28	8.56
P89-Clam	Clam Tissue	1	328.00	10.00	35.90	20.60	65.30	172.00	753.00	76.10	1130.00	444.00	39.20	955.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
P89-Sed	Sediment	2	2.51	0.06	0.34	0.39	0.81	1.12	1.72	0.52	5.08	3.06	0.20	6.03
P90-CF	Crayfish	1	14.40	0.70	1.87	0.37	0.43	2.14	3.29	0.53	5.30	15.50	0.26	3.40
P91-CF	Crayfish	1	16.50	0.20	3.80	0.17	0.40	4.15	6.91	0.70	9.27	14.30	0.95	3.36
P92-CF	Crayfish	1	3.39	0.47	1.90	0.30	0.55	2.28	1.70	0.38	3.57	2.25	469.45	1.88
P94-CF	Crayfish	1	5.75	0.43	2.74	0.14	0.38	2.21	1.52	0.29	3.67	4.00	0.21	1.90
P98-CF	Crayfish	1	5.65	0.77	2.28	0.14	0.21	2.34	1.69	0.24	3.28	4.33	0.27	1.93
SB-01	Smallmouth Bas	1	401.00	2.44	24.10	49.10	65.30	464.00	750.00	79.40	1490.00	966.00	64.30	1080.00
SB-02	Smallmouth Bas	1	10300.00	27.20	165.00	10100.00	14200.00	23400.00	78300.00	10500.00	#######	50400.00	3230.00	#######
SB-03	Smallmouth Bas	1	10300.00	23.50	205.00	680.00	196.00	18600.00	22600.00	608.00	35800.00	45500.00	3810.00	7140.00
SB-04	Smallmouth Bas	1	1030.00	8.32	44.80	78.10	125.00	1470.00	1480.00	144.00	3020.00	2980.00	118.00	2190.00
SB-05	Smallmouth Bas	1	483.00	3.64	31.50	95.20	154.00	549.00	934.00	126.00	1750.00	1230.00	60.30	1500.00
SB-06	Smallmouth Bas	1	1160.00	11.60	70.30	296.00	438.00	1650.00	3740.00	487.00	6610.00	3540.00	377.00	4920.00
SB-07	Smallmouth Bas	1	912.00	9.53	62.40	54.10	123.00	800.00	924.00	144.00	2110.00	1540.00	78.30	1660.00
SB-08	Smallmouth Bas	1	12700.00	20.30	214.00	5760.00	6710.00	30300.00	72700.00	7680.00	#######	66300.00	2410.00	#######
SB-09	Smallmouth Bas	1	735.00	5.00	36.70	37.20	72.60	985.00	1020.00	90.00	2350.00	2090.00	83.00	1680.00
SB-10	Smallmouth Bas	1	1700.00	12.90	77.20	151.00	306.00	2030.00	2520.00	433.00	5740.00	3910.00	136.00	4280.00
SB-11	Smallmouth Bas	1	#######	278.00	3530.00	#######	#######	#######	#######	#######	#######	#######	55600.00	#######
SB-12	Smallmouth Bas	1	2690.00	7.81	102.00	209.00	340.00	4910.00	5580.00	453.00	10700.00	11200.00	472.00	8470.00
SB-13	Smallmouth Bas	1	12700.00	27.30	186.00	1130.00	1690.00	26600.00	38900.00	2780.00	74900.00	57700.00	1720.00	60600.00
SB-14	Smallmouth Bas	1	335.00	3.32	21.70	12.10	33.20	350.00	326.00	38.50	880.00	717.00	38.70	593.00
SB-15	Smallmouth Bas	1	510.00	5.02	23.60	33.40	62.80	723.00	843.00	89.80	2150.00	1600.00	62.90	1370.00
SB-16	Smallmouth Bas	1	18500.00	988.00	334.00	2130.00	3630.00	11800.00	25200.00	4040.00	41600.00	30100.00	1330.00	36300.00
SB-17	Smallmouth Bas	1	#######	985.00	8950.00	#######	#######	#######	#######	#######	#######	#######	88700.00	#######
SB-18	Smallmouth Bas	1	39600.00	81.30	577.00	10300.00	7280.00	52200.00	81900.00	10600.00	#######	#######	6320.00	91800.00
SB-19	Smallmouth Bas	1	505.00	4.14	56.80	21.90	42.50	252.00	345.00	44.40	816.00	738.00	45.20	498.00
SF-01	Sculpin	1	201.00	1.28	10.80	2.29	6.44	198.00	117.00	9.41	302.00	383.00	14.50	197.00
SF-02	Sculpin	1	396.00	1.39	19.90	1.23	4.50	365.00	129.00	6.34	311.00	881.00	14.60	197.00
SF-04	Sculpin	1	16800.00	10.40	111.00	2230.00	1240.00	18800.00	33500.00	2730.00	58700.00	38200.00	2180.00	45700.00
SF-05	Sculpin	1	3060.00	2.07	40.00	361.00	588.00	8850.00	7090.00	566.00	12600.00	21400.00	182.00	12200.00
SF-06	Sculpin	1	1970.00	8.86	48.70	227.00	420.00	2650.00	5600.00	535.00	10000.00	5130.00	465.00	9350.00
SF-07	Sculpin	1	330.00	2.17	12.80	4.11	11.00	280.00	241.00	19.80	730.00	600.00	25.90	462.00
SF-08	Sculpin	1	458.00	2.52	29.80	3.48	9.27	347.00	227.00	17.20	661.00	752.00	33.60	430.00
SF-09	Sculpin	1	227.00	1.52	11.40	3.07	7.46	154.00	133.00	11.40	375.00	325.00	16.70	263.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
SF-10	Sculpin	1	318.00	2.71	14.30	6.08	18.20	316.00	342.00	30.90	920.00	652.00	43.30	649.00
SF-11	Sculpin	1	319.00	1.23	14.20	2.22	4.05	234.00	110.00	6.16	291.00	527.00	17.70	172.00
SF-12	Sculpin	1	633.00	4.86	29.20	16.80	56.40	608.00	733.00	90.20	2080.00	1210.00	63.80	1720.00
SF-13	Sculpin	1	188.00	0.61	4.31	2.64	6.50	157.00	119.00	7.34	342.00	303.00	13.00	191.00
SF-14	Sculpin	1	517.00	2.45	15.30	2.98	8.94	454.00	288.00	18.90	953.00	997.00	35.70	551.00
SF-15	Sculpin	1	266.00	0.48	4.64	0.63	1.27	158.00	58.40	2.27	161.00	549.00	8.36	97.20
SF-16	Sculpin	1	383.00	1.44	18.70	2.73	6.94	252.00	151.00	11.20	485.00	530.00	17.60	289.00
SF-17	Sculpin	1	982.00	3.52	15.40	11.60	21.60	708.00	447.00	33.30	1020.00	1570.00	37.50	756.00
SR-01	Sculpin	1	313.00	2.43	11.40	4.10	11.20	266.00	212.00	18.00	632.00	505.00	29.40	458.00
SR-02	Sculpin	1	387.00	2.81	12.90	6.24	16.70	324.00	263.00	23.30	758.00	685.00	25.90	498.00
SR-03	Sculpin	1	409.00	1.73	10.70	1.61	4.57	445.00	233.00	9.67	775.00	972.00	23.70	390.00
SR-04	Sculpin	1	310.00	3.48	13.80	9.57	22.40	239.00	274.00	29.00	758.00	455.00	32.90	568.00
SR-05	Sculpin	1	579.00	4.59	21.70	15.70	40.30	522.00	496.00	52.60	1270.00	1040.00	41.60	1030.00
SR-06	Sculpin	1	215.00	0.97	5.19	4.30	11.00	192.00	145.00	12.10	412.00	358.00	13.60	289.00
SR-07	Sculpin	1	409.00	2.48	9.81	5.96	11.30	285.00	269.00	16.70	748.00	591.00	22.90	460.00
SR-08	Sculpin	1	393.00	3.37	13.90	3.60	7.56	280.00	235.00	14.90	688.00	593.00	31.20	425.00
SR-09	Sculpin	1	380.00	3.13	13.20	5.26	12.80	269.00	256.00	23.70	746.00	531.00	28.30	544.00
SR-10	Sculpin	1	389.00	3.69	17.80	17.90	43.30	335.00	366.00	51.10	925.00	692.00	33.30	748.00
SR-11	Sculpin	1	536.00	3.16	13.80	4.65	12.40	456.00	322.00	21.80	926.00	937.00	36.50	585.00
SR-12	Sculpin	1	477.00	3.69	17.70	4.09	10.80	403.00	289.00	20.00	953.00	828.00	46.50	554.00
SR-13	Sculpin	1	481.00	4.39	21.30	11.80	22.40	368.00	411.00	33.80	1050.00	885.00	41.70	768.00
SR-14	Sculpin	1	432.00	4.19	19.40	10.40	27.00	300.00	403.00	45.10	1150.00	614.00	41.10	889.00
SR-15	Sculpin	1	342.00	1.52	16.00	2.35	5.05	290.00	148.00	7.63	397.00	694.00	18.90	216.00
SR-16	Sculpin	1	244.00	2.28	14.00	3.81	8.10	213.00	170.00	12.80	445.00	442.00	26.10	363.00
SR-17	Sculpin	1	524.00	4.26	25.90	2.79	8.84	450.00	279.00	22.40	1050.00	908.00	58.20	693.00
SR-18	Sculpin	1	381.00	2.86	13.20	10.20	18.70	308.00	300.00	25.00	823.00	717.00	30.90	566.00
SUCKER	Largescale Suck	1	2530.00	22.80	110.00	197.00	562.00	2170.00	4710.00	862.00	10600.00	4350.00	241.00	8230.00
LW3-W3035-NB-C	surface water fro	3	3.41	0.14	0.19	0.57	2.09	0.98	4.67	2.87	10.30	1.30	0.17	8.20
LW3-W3035-NB-F	surface water fro	3	3.14	0.09	0.48	0.93	2.29	1.68	7.28	4.36	17.90	2.93	0.30	14.00
LW3-W3035-NS-C	surface water fro	3	3.70	0.06	0.32	0.68	2.65	1.11	6.27	3.38	14.50	1.57	0.16	10.80
LW3-W3035-NS-F	surface water fro	3	2.13	0.08	0.39	0.77	1.79	1.29	5.70	2.54	12.10	2.50	0.30	10.70
SB-20	Smallmouth Bas	1	593.00	8.30	47.00	97.50	196.00	568.00	1150.00	187.00	2620.00	1150.00	92.90	2150.00
SB-21	Smallmouth Bas	1	602.00	6.77	35.80	54.40	108.00	486.00	771.00	126.00	1900.00	1070.00	75.20	1480.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
SB-22	Smallmouth Bas	1	626.00	9.76	43.50	68.90	161.00	539.00	1010.00	164.00	2500.00	1110.00	79.40	1940.00
SB-23	Smallmouth Bas	1	324.00	5.78	25.40	42.40	77.60	232.00	471.00	81.20	1010.00	498.00	38.40	904.00
SB-24	Smallmouth Bas	1	5480.00	63.10	195.00	323.00	621.00	2500.00	3760.00	886.00	8280.00	4060.00	214.00	7350.00
SB-25	Smallmouth Bas	1	700.00	19.50	38.10	112.00	147.00	502.00	1100.00	183.00	2160.00	1160.00	95.80	1760.00
SB-26	Smallmouth Bas	1	572.00	9.40	30.10	59.70	126.00	513.00	829.00	133.00	1950.00	1010.00	56.80	1500.00
SB-27	Smallmouth Bas	1	1590.00	29.10	75.40	55.20	122.00	1420.00	1310.00	174.00	3510.00	3500.00	132.00	2460.00
SB-28	Smallmouth Bas	1	534.00	9.61	36.20	57.00	120.00	393.00	758.00	117.00	1730.00	940.00	71.00	1400.00
SB-29	Smallmouth Bas	1	601.00	8.65	43.60	44.90	93.50	423.00	674.00	113.00	1670.00	1000.00	62.20	1230.00
SB-30	Smallmouth Bas	1	1040.00	18.40	70.10	131.00	279.00	752.00	1560.00	288.00	3490.00	1910.00	128.00	2960.00
SB-31	Smallmouth Bas	1	670.00	5.21	54.80	16.70	47.60	465.00	441.00	51.70	1180.00	1370.00	57.70	807.00
SB-32	Smallmouth Bas	1	679.00	9.34	49.30	68.40	144.00	533.00	939.00	138.00	2090.00	1310.00	90.00	1770.00
SB-33	Smallmouth Bas	1	3880.00	25.70	172.00	751.00	511.00	5890.00	10500.00	838.00	17900.00	23400.00	1540.00	10600.00
SB-34	Smallmouth Bas	1	642.00	10.60	53.70	86.30	149.00	554.00	1100.00	155.00	2320.00	1320.00	91.40	1960.00
SB-35	Smallmouth Bas	1	942.00	9.50	59.70	79.60	126.00	829.00	1170.00	137.00	2470.00	2000.00	90.90	2040.00
SB-36	Smallmouth Bas	1	907.00	15.60	70.10	125.00	240.00	902.00	1730.00	253.00	3810.00	2090.00	141.00	2910.00
SB-37	Smallmouth Bas	1	686.00	8.27	52.80	58.90	125.00	632.00	1050.00	131.00	2280.00	1440.00	81.90	1890.00
SB-38	Smallmouth Bas	1	638.00	10.70	49.70	93.50	177.00	654.00	1370.00	196.00	2800.00	1680.00	118.00	2320.00
LW3-STW-CW10-WR14	stormwater	3	69.10	0.87	20.30	34.30	89.40	44.90	0.35	27.00	231.00	113.00	1.78	312.00
LW3-STW-CW30-WR14	stormwater	3	29.10	2.68	10.60	5.14	7.79	5.69	0.54	4.48	33.08	13.47	3.51	42.48
LW3-STW-CW40-WR14	stormwater	3	142.00	16.31	48.80	75.20	158.00	88.00	8.96	52.40	420.00	250.00	42.20	617.00
LW3-STW-CW10-OF18	stormwater	3	6560.00	145.00	573.00	3620.00	13800.00	4400.00	115.00	3860.00	28600.00	7620.00	1260.00	31900.00
LW3-STW-CW10-OF18-2	stormwater	3	2520.00	73.10	246.00	846.00	2630.00	1120.00	57.50	954.00	5440.00	1290.00	220.00	6210.00
LW3-STW-CW10-OF19	stormwater	3	268.00	3.05	38.00	104.00	338.00	132.00	0.99	98.40	982.00	301.00	51.00	1040.00
LW3-STW-CW10-OF19D	stormwater	3	220.00	0.87	41.40	91.90	295.00	120.00	0.12	83.10	810.00	264.00	44.60	967.00
LW3-STW-CW20-OF18	stormwater	3	2380.00	68.00	248.00	801.00	2590.00	1040.00	50.60	971.00	4990.00	1190.00	210.00	5990.00
LW3-STW-CW30-OF18	stormwater	3	1440.00	50.10	180.00	471.00	1390.00	594.00	28.60	446.00	3220.00	987.00	163.00	3780.00
LW3-STW-CW30-OF19	stormwater	3	897.00	53.00	144.00	355.00	1150.00	442.00	0.19	314.00	2910.00	1080.00	179.00	3530.00
LW3-STW-CW40-OF19	stormwater	3	158.00	1.93	30.30	61.30	167.00	78.60	0.35	53.20	443.00	171.00	31.30	552.00
LW3-STW-CW40-OF19D	stormwater	3	160.00	9.59	28.00	63.50	185.00	71.90	4.16	12.40	486.00	181.00	27.20	610.00
LW3-STW-GW10-OF18-2-T	stormwater	3	199.00	8.02	27.60	65.90	194.00	81.00	2.57	72.10	376.00	121.00	6.53	469.00
LW3-STW-GW10-OF18-D	stormwater	3	6.44	6.21	3.02	5.14	7.79	5.69	1.76	4.13	35.50	10.20	3.51	43.80
LW3-STW-GW10-OF18-T	stormwater	3	283.00	4.15	36.90	81.90	240.00	97.90	1.03	89.80	463.00	146.00	6.79	558.00
WLCT4C07OF53070324	stormwater	3	1290.00	77.60	145.00	292.00	884.00	368.00	7.98	301.00	2070.00	748.00	123.00	2480.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
WLCT4C07OF53070407	stormwater	3	325.00	8.02	58.10	87.90	283.00	123.00	4.16	95.00	675.00	256.00	44.30	913.00
WLCT4C07OF53070503	stormwater	3	2670.00	166.00	346.00	615.00	1830.00	766.00	32.70	609.00	4260.00	1580.00	274.00	5210.00
LW3-STW2-CW10-OF49	stormwater	3	32.80	0.55	6.82	5.14	38.80	5.69	0.05	4.48	103.00	42.50	2.37	140.00
LW3-STW-CW10-OF49	stormwater	3	6.84	2.68	3.32	5.44	7.79	5.69	0.56	4.96	67.40	12.01	2.45	92.10
LW3-STW-CW20-OF49	stormwater	3	37.40	4.15	3.81	8.78	40.70	9.67	0.99	6.99	36.93	12.75	6.53	47.33
LW3-STW2-CW10-OF22B	stormwater	3	1450.00	66.50	130.00	612.00	1430.00	536.00	0.36	427.00	3460.00	1290.00	221.00	4080.00
LW3-STW2-CW20-OF22B	stormwater	3	753.00	44.40	86.60	175.00	538.00	212.00	0.46	195.00	1310.00	529.00	80.00	1490.00
LW3-STW2-CW20-OF22B-	stormwater	3	1060.00	54.70	118.00	264.00	701.00	284.00	0.09	255.00	1540.00	679.00	104.00	1840.00
LW3-STW-CW10-OF22B	stormwater	3	2100.00	121.00	272.00	571.00	1760.00	725.00	32.00	536.00	4710.00	1650.00	249.00	5280.00
LW3-STW-CW20-OF22B	stormwater	3	4300.00	255.00	508.00	1260.00	3250.00	1380.00	36.00	1040.00	9540.00	3220.00	563.00	9480.00
LW3-STW-GW10-OF22B-D	stormwater	3	6.44	1.93	4.09	5.14	12.73	5.69	0.99	4.13	13.23	6.03	3.51	21.38
LW3-STW-GW10-OF22B-T	stormwater	3	427.00	6.21	98.00	146.00	500.00	198.00	1.49	152.00	1200.00	428.00	70.40	1530.00
LW3-STW2-CW10-OF22C	stormwater	3	33.70	4.15	2.63	9.35	12.73	9.67	1.03	8.95	61.40	12.60	6.79	60.10
LW3-STW-CW10-OF22C	stormwater	3	10.65	4.15	2.22	8.78	12.73	9.67	0.99	6.99	29.50	15.40	6.53	21.38
LW3-STW-CW10-OF22C-2	stormwater	3	6.44	4.15	3.92	5.44	7.79	5.69	1.03	4.96	43.80	18.90	3.51	26.13
LW3-STW-CW20-OF22C	stormwater	3	10.65	1.93	1.92	8.78	12.73	9.67	0.25	6.99	13.23	4.19	2.37	21.38
LW3-STW-CW20-OF22C-2	stormwater	3	4.62	0.87	3.57	3.83	7.79	4.03	0.36	3.49	13.23	6.89	1.78	21.38
LW3-STW-CW20-WR107	stormwater	3	10.65	2.68	3.81	9.35	18.60	9.67	1.03	8.58	45.30	4.19	4.59	69.70
LW3-STW-CW30-WR107	stormwater	3	34.50	4.15	9.95	8.78	67.20	9.67	0.99	6.99	157.00	54.20	6.53	216.00
LW3-STW-CW40-WR107	stormwater	3	44.00	4.15	13.70	32.50	102.00	36.80	0.54	28.40	211.00	87.60	6.53	293.00
LW3-STW-GW10-WR107-D	stormwater	3	16.90	13.19	1.45	14.36	18.60	14.69	5.99	13.24	13.23	2.11	14.23	21.38
LW3-STW-GW10-WR107-T	stormwater	3	10.65	8.02	7.46	8.78	77.70	5.69	0.99	6.99	137.00	46.00	10.81	217.00
LW3-W3031-NB-C	surface water fro	3	2.84	0.05	0.28	0.56	1.65	0.77	3.32	1.02	5.37	1.11	0.14	5.32
LW3-W3031-NB-F	surface water fro	3	2.22	0.04	0.29	0.35	0.92	0.92	3.14	0.73	4.81	1.79	0.21	5.22
LW3-W3031-NS-C	surface water fro	3	3.05	0.05	0.33	0.69	1.97	0.89	3.86	1.19	6.14	1.15	0.15	6.23
LW3-W3031-NS-F	surface water fro	3	1.16	0.08	0.09	0.25	0.24	0.73	0.90	0.28	1.07	0.29	0.12	0.97
LW3-STW-CW10-WR147	stormwater	3	2080.00	103.00	474.00	1870.00	5810.00	2450.00	71.10	1630.00	14400.00	5670.00	1070.00	19900.00
LW3-STW-CW20-WR147	stormwater	3	6390.00	323.00	1480.00	5240.00	14700.00	6670.00	186.00	4170.00	38200.00	18000.00	3030.00	53600.00
LW3-STW-CW30-WR147	stormwater	3	1200.00	67.40	350.00	1100.00	3280.00	1560.00	1.49	921.00	8390.00	3780.00	625.00	12900.00
LW3-W3036-NB-C	surface water fro	3	2.66	0.05	0.18	0.40	1.77	0.71	3.46	0.95	5.32	1.04	0.07	5.59
LW3-W3036-NB-F	surface water fro	3	3.01	0.08	0.44	0.93	1.36	1.23	4.33	0.90	6.14	2.57	0.29	7.34
LW3-W3036-NS-C	surface water fro	3	3.55	0.06	0.35	0.65	1.83	0.92	3.77	1.06	6.02	1.45	0.16	6.31
LW3-W3036-NS-F	surface water fro	3	2.11	0.07	0.34	0.76	1.14	0.96	3.70	0.55	4.84	1.67	0.11	5.59

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
LW3-STW2-CW10-H30	stormwater	3	306.00	1.21	35.60	125.00	260.00	114.00	0.19	81.60	590.00	242.00	44.20	793.00
LW3-STW2-CW20-H30B	stormwater	3	1350.00	77.20	152.00	181.00	433.00	217.00	0.12	178.00	1040.00	413.00	63.50	1220.00
LW3-STW2-CW30-H30	stormwater	3	293.00	0.87	40.00	70.70	192.00	82.30	0.12	64.50	458.00	170.00	31.60	565.00
LW3-STW2-CW30-H30B	stormwater	3	1290.00	64.20	161.00	286.00	740.00	356.00	0.36	269.00	1820.00	711.00	123.00	2250.00
LW3-STW2-CW40-H30	stormwater	3	811.00	37.30	103.00	193.00	518.00	222.00	0.07	177.00	1240.00	467.00	81.40	1520.00
LW3-STW2-CW40-H30B	stormwater	3	521.00	28.60	64.10	130.00	368.00	137.00	0.19	115.00	857.00	308.00	53.80	991.00
LW3-STW2-CW50-H30B	stormwater	3	886.00	43.40	103.00	209.00	582.00	247.00	0.09	185.00	1390.00	544.00	86.00	1710.00
LW3-W3029-NB-C	surface water fro	3	3.11	0.13	0.25	0.29	1.52	0.71	3.05	1.06	5.52	1.17	0.14	5.02
LW3-W3029-NB-F	surface water fro	3	1.16	0.08	0.24	0.28	0.74	0.68	2.34	0.65	3.44	1.21	0.11	3.78
LW3-W3029-NS-C	surface water fro	3	3.38	0.12	0.21	0.55	1.60	0.74	3.12	1.15	5.79	1.12	0.08	5.24
LW3-W3029-NS-F	surface water fro	3	1.71	0.05	0.28	0.20	0.84	0.67	2.44	0.66	4.14	1.35	0.08	4.29
ST03a-Sed01	Sediment	2	59.40	1.30	8.72	11.70	23.50	15.40	66.00	6.09	115.00	46.10	4.23	123.00
ST04a-Sed01	Sediment	2	359.00	9.25	46.20	95.50	211.00	116.00	547.00	6.09	951.00	292.00	30.10	938.00
ST04a-Sed101	Sediment	2	315.00	8.13	42.10	79.30	181.00	108.00	456.00	6.09	799.00	250.00	25.50	801.00
ST04b-Sed01	Sediment	2	80.00	2.21	12.40	18.50	36.40	26.30	98.90	6.09	175.00	61.20	7.02	209.00
ST05a-Sed01	Sediment	2	203.00	4.85	31.30	39.90	77.30	56.10	224.00	6.09	378.00	152.00	14.60	434.00
ST05b-Sed01	Sediment	2	109.00	3.10	15.40	27.60	61.10	44.60	158.00	6.09	271.00	83.60	9.18	319.00
ST07a-Sed01	Sediment	2	33.60	0.67	5.59	5.38	10.00	7.79	27.50	6.09	50.00	19.90	1.69	63.10
ST08a-Sed01	Sediment	2	307.00	8.25	38.90	36.20	63.90	41.70	191.00	6.09	322.00	127.00	10.90	361.00
ST14a-Sed01	Sediment	2	121.00	3.08	17.40	25.10	51.00	32.90	134.00	6.09	230.00	85.50	7.91	239.00
ST15a-Sed01	Sediment	2	46.60	1.08	7.25	6.72	12.20	9.33	35.80	6.09	60.80	25.90	2.31	74.90
ST16a-Sed01	Sediment	2	3.09	0.21	0.58	0.68	1.52	0.94	3.85	6.09	6.84	2.35	0.25	7.88
ST17a-Sed01	Sediment	2	179.00	5.26	24.50	36.60	76.00	45.90	196.00	6.09	336.00	122.00	12.00	339.00
ST18a-Sed01	Sediment	2	99.40	1.95	12.60	20.90	44.70	26.00	111.00	6.09	226.00	60.70	5.72	227.00
ST21a-Sed01	Sediment	2	59.80	1.37	7.87	12.40	24.90	19.80	67.10	6.09	115.00	34.70	3.96	145.00
ST22a-Sed01	Sediment	2	12.70	0.26	2.08	1.69	2.91	2.94	9.46	6.09	15.40	8.49	0.66	19.80
LW3-W3030-NB-C	surface water fro	3	3.32	0.08	0.28	0.54	1.60	0.76	3.41	1.02	5.95	1.44	0.14	5.56
LW3-W3030-NB-F	surface water fro	3	1.66	0.08	0.31	0.40	1.07	0.97	3.65	0.96	5.26	1.80	0.20	5.71
LW3-W3030-NS-C	surface water fro	3	4.52	0.08	0.28	0.74	1.65	0.84	3.74	1.17	6.09	1.84	0.09	5.98
LW3-W3030-NS-F	surface water fro	3	5.37	0.14	1.72	1.22	1.54	1.63	5.63	1.22	7.41	3.86	0.37	8.33
LW3-STW-CW10-OF16	stormwater	3	1090.00	74.50	149.00	530.00	1520.00	602.00	0.19	429.00	4070.00	1900.00	293.00	5670.00
LW3-STW-CW20-OF16	stormwater	3	2330.00	185.00	313.00	779.00	2600.00	986.00	45.60	794.00	7100.00	2270.00	408.00	7820.00
LW3-STW-CW30-OF16	stormwater	3	978.00	75.50	111.00	302.00	1010.00	383.00	1.03	339.00	2620.00	952.00	154.00	2990.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
LW3-STW-CW10-OFM1	stormwater	3	35.10	0.87	4.62	3.63	52.90	4.03	0.25	3.17	451.00	51.10	2.37	141.00
LW3-STW-CW10-OFM2	stormwater	3	47.80	4.15	5.24	28.80	113.00	39.00	2.71	35.80	264.00	88.40	6.79	322.00
LW3-STW-CW20-OFM1	stormwater	3	328.00	1.21	39.70	48.50	167.00	65.60	0.12	57.80	1070.00	105.00	2.37	437.00
LW3-STW-CW20-OFM1D	stormwater	3	1230.00	4.15	78.00	3100.00	11700.00	3970.00	72.70	2120.00	35400.00	10200.00	1730.00	43500.00
LW3-STW-CW20-OFM2	stormwater	3	34.50	8.02	5.52	9.35	38.60	9.67	0.99	8.11	89.00	27.60	10.81	105.00
LW3-STW-CW30-OFM1	stormwater	3	96.20	4.15	28.50	54.60	159.00	65.50	0.35	54.00	237.07	148.00	6.53	453.00
LW3-STW-CW30-OFM1D	stormwater	3	103.00	1.93	30.80	64.30	184.00	75.60	0.35	66.10	237.07	175.00	29.60	523.00
LW3-STW-CW30-OFM2	stormwater	3	242.00	10.96	7.36	11.80	132.00	59.50	5.60	49.80	324.00	135.00	6.53	396.00
LW3-STW-CW40-OFM2	stormwater	3	103.00	8.02	22.20	9.76	105.00	45.70	3.38	34.40	239.00	104.00	6.53	284.00
LW3-STW-CW40-OFM2-2	stormwater	3	76.70	14.93	20.60	26.70	76.20	33.40	7.98	26.70	201.00	78.70	13.57	230.00
AI_1	Sediment	2	19.70	0.50	2.83	2.73	5.28	4.46	16.10	0.71	25.30	9.84	0.20	25.30
AI_11_C	Sediment	2	3.50	0.06	0.54	0.49	1.06	0.83	3.09	0.71	5.71	1.92	0.16	3.46
AI_13_C	Sediment	2	18.60	0.12	3.25	3.99	5.86	6.57	17.80	0.71	26.30	11.80	1.08	25.50
AI_20_C_GS	Sediment	2	30.80	0.12	4.36	4.01	7.52	7.42	23.60	4.21	36.90	15.20	1.44	35.70
AI_5_C	Sediment	2	19.50	0.71	2.83	3.32	6.98	5.98	18.40	3.40	27.70	11.90	0.96	27.30
CPS_0	Sediment	2	278.00	9.92	44.00	53.60	85.60	73.40	267.00	49.20	409.00	187.00	17.80	447.00
CPS_1	Sediment	2	80.00	2.98	12.70	17.00	33.30	26.60	88.30	22.30	141.00	59.10	5.91	148.00
CPS_3	Sediment	2	67.70	2.32	11.40	13.70	27.10	23.60	74.90	15.90	114.00	49.20	4.93	117.00
CPS_4	Sediment	2	50.70	1.55	8.30	8.32	14.50	14.20	44.60	9.15	66.90	33.60	2.99	70.10
CS-Control	Invertebrate Tiss	1	32.40	13.50	5.36	10.06	12.12	28.29	61.32	27.56	56.50	17.80	16.88	59.00
FLO-Sed	Sediment	2	77.60	9.69	22.43	25.44	22.40	20.90	66.10	20.30	110.00	45.80	22.23	124.00
FLO-Sed-Dupe	Sediment	2	72.30	9.69	11.70	10.70	19.40	17.70	54.80	17.20	89.90	41.60	22.23	107.00
HC_1	Sediment	2	44.10	1.58	7.10	6.76	12.40	11.60	36.70	8.03	56.40	25.30	2.47	57.30
HC_2	Sediment	2	52.20	0.14	0.59	10.80	27.50	24.00	63.00	19.30	139.00	29.00	0.32	112.00
HC_3	Sediment	2	65.20	0.13	10.50	10.80	20.90	17.10	56.70	11.70	89.70	40.80	3.33	87.40
HC_6	Sediment	2	126.00	5.84	20.00	18.90	35.70	30.30	90.20	21.20	146.00	68.70	5.28	145.00
LMCS-A	Sediment	2	619.00	15.50	66.80	206.00	613.00	350.00	1440.00	314.00	2170.00	782.00	77.30	2560.00
LMCS-B	Sediment	2	416.00	12.10	54.00	62.10	258.00	161.00	634.00	130.00	989.00	381.00	41.40	1170.00
LMCS-C	Sediment	2	944.00	15.00	74.90	283.00	1240.00	553.00	2450.00	534.00	3630.00	1210.00	122.00	4280.00
LMCS-Invert	Invertebrate Tiss	1	455.00	13.50	45.60	75.90	150.00	148.00	555.00	108.00	960.00	434.00	54.60	1110.00
LMCS-Invert-Time zero	Invertebrate Tiss	1	261.00	12.74	20.90	32.40	55.90	78.60	242.00	50.40	478.00	222.00	16.88	456.00
LMCS-Sed	Sediment	2	542.00	9.69	74.70	140.00	514.00	308.00	1240.00	232.00	1960.00	747.00	75.40	2220.00
LS-A	Sediment	2	712.00	24.90	89.00	191.00	523.00	259.00	1200.00	277.00	1870.00	540.00	59.80	1970.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
LS-B	Sediment	2	656.00	23.20	79.90	161.00	438.00	214.00	1010.00	235.00	1550.00	465.00	52.40	1660.00
LS-C	Sediment	2	626.00	24.70	119.00	197.00	483.00	246.00	1040.00	259.00	1550.00	671.00	64.70	1920.00
LW2-C015-B	sediment	2	40800.00	1260.00	3610.00	6060.00	15800.00	7400.00	674.00	7290.00	28900.00	10800.00	2150.00	35300.00
LW2-C019-C1	sediment	2	41900.00	1230.00	4050.00	5590.00	17300.00	7380.00	434.00	7980.00	29400.00	10400.00	2370.00	36200.00
LW2-C019-D1	sediment	2	12300.00	818.00	2750.00	1140.00	11900.00	1660.00	56.70	8130.00	13900.00	2030.00	1370.00	22800.00
LW2-C020-B	sediment	2	28300.00	795.00	2590.00	4100.00	12700.00	5680.00	276.00	5810.00	23100.00	7830.00	1710.00	28000.00
LW2-C022-B	sediment	2	617.00	14.20	62.00	97.10	356.00	144.00	0.78	166.00	841.00	224.00	69.40	955.00
LW2-C022-C	sediment	2	993.00	24.00	103.00	213.00	781.00	280.00	8.76	299.00	1880.00	464.00	150.00	2090.00
LW2-C034-B	sediment	2	607.00	22.10	76.60	94.70	358.00	134.00	0.78	163.00	618.00	156.00	38.60	932.00
LW2-C277-B	sediment	2	2850.00	71.10	251.00	468.00	2730.00	622.00	26.70	966.00	6210.00	866.00	512.00	6170.00
LW2-C277-D	sediment	2	1640.00	32.10	90.40	716.00	3760.00	1040.00	17.10	995.00	10600.00	1900.00	609.00	9090.00
LW2-C282-A	sediment	2	20.50	1.96	2.91	4.57	93.90	5.39	0.38	37.90	157.00	11.50	5.04	69.10
LW2-C290-B	sediment	2	181.00	1.96	14.00	31.50	194.00	44.50	0.78	66.90	493.00	60.90	30.50	443.00
LW2-C291-A	sediment	2	320.00	12.00	41.10	62.80	319.00	100.00	0.78	159.00	875.00	190.00	53.50	781.00
LW2-C291-B	sediment	2	584.00	15.30	66.30	125.00	598.00	170.00	12.00	264.00	1480.00	296.00	111.00	1520.00
LW2-C291-C	sediment	2	4360.00	97.00	388.00	721.00	5130.00	974.00	40.40	1240.00	18700.00	2200.00	895.00	15200.00
LW2-C293-C	sediment	2	3760.00	87.20	266.00	628.00	3630.00	857.00	18.10	829.00	10500.00	1490.00	550.00	8090.00
LW2-C303-B	sediment	2	2180.00	62.80	156.00	311.00	1580.00	409.00	2.88	547.00	3620.00	552.00	284.00	3840.00
LW2-C384-B	sediment	2	#######	1300.00	9930.00	#######	#######	#######	3530.00	#######	#######	#######	79000.00	#######
LW2-C384-BD	sediment	2	41000.00	639.00	2570.00	15900.00	77600.00	19400.00	403.00	20500.00	#######	42100.00	10400.00	#######
LW2-C384-C	sediment	2	1600.00	15.90	60.70	684.00	3080.00	964.00	15.00	923.00	7380.00	1790.00	411.00	8400.00
LW2-C393-B	sediment	2	3570.00	63.60	313.00	1830.00	9440.00	2360.00	41.00	3690.00	22100.00	4310.00	1320.00	22800.00
LW2-C425-B1	sediment	2	569.00	16.40	61.80	160.00	718.00	211.00	0.78	245.00	1750.00	380.00	120.00	1920.00
LW2-C425-C1	sediment	2	990.00	23.70	128.00	314.00	1330.00	436.00	10.00	472.00	3160.00	791.00	211.00	3580.00
LW2-C425-E1	sediment	2	1010.00	30.40	128.00	381.00	1550.00	488.00	13.70	448.00	3820.00	944.00	239.00	4060.00
LW2-C430-A	sediment	2	2480.00	60.00	245.00	1080.00	4640.00	1330.00	50.40	1470.00	11000.00	2940.00	684.00	12200.00
LW2-C430-B	sediment	2	2020.00	49.80	178.00	428.00	2040.00	577.00	0.78	778.00	4940.00	965.00	362.00	4960.00
LW2-C430-C	sediment	2	4230.00	92.10	302.00	666.00	4010.00	866.00	1.39	1400.00	9220.00	1360.00	605.00	8600.00
LW2-C430-E	sediment	2	6140.00	139.00	518.00	1720.00	7520.00	2130.00	1.39	2150.00	17800.00	4200.00	1200.00	18300.00
LW2-C524-A	sediment	2	248.00	13.90	21.40	152.00	792.00	212.00	9.93	276.00	1920.00	506.00	96.90	1880.00
LW2-G006	sediment	2	742.00	21.30	92.60	107.00	287.00	157.00	5.81	125.00	732.00	297.00	55.20	890.00
LW2-G008	sediment	2	321.00	10.60	40.80	59.70	190.00	89.30	0.78	80.90	496.00	169.00	37.30	576.00
LW2-G022	sediment	2	399.00	13.30	47.50	74.40	229.00	109.00	1.39	94.60	574.00	209.00	43.50	666.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
LW2-G030	sediment	2	730.00	19.10	83.30	139.00	386.00	191.00	7.92	158.00	917.00	342.00	69.90	1110.00
LW2-G260	sediment	2	23.40	1.96	2.91	10.30	43.70	12.50	0.38	19.50	94.00	25.20	2.94	132.00
LW2-G268	sediment	2	1000.00	27.60	154.00	378.00	1450.00	469.00	10.40	525.00	3060.00	786.00	193.00	4160.00
LW2-G282	sediment	2	2770.00	243.00	495.00	1500.00	27400.00	2330.00	185.00	11800.00	59600.00	5550.00	2150.00	28900.00
LW2-G282D	sediment	2	2570.00	170.00	151.00	840.00	24700.00	1170.00	154.00	10800.00	47400.00	2490.00	1350.00	17300.00
LW2-G295	sediment	2	328.00	11.40	34.50	67.60	1110.00	103.00	10.90	563.00	2320.00	206.00	97.90	1120.00
LW2-G295D	sediment	2	317.00	11.50	33.40	63.80	1190.00	104.00	11.90	644.00	2470.00	200.00	103.00	1160.00
LW2-G296	sediment	2	493.00	22.50	38.70	92.20	2000.00	150.00	17.40	878.00	4410.00	322.00	138.00	2010.00
LW2-G297	sediment	2	1110.00	36.70	112.00	206.00	819.00	286.00	7.27	324.00	2010.00	431.00	134.00	2110.00
LW2-G303	sediment	2	293.00	12.70	30.50	4.57	1350.00	88.90	12.90	569.00	2610.00	176.00	96.70	1120.00
LW2-G306	sediment	2	88.10	1.26	11.70	15.20	72.80	24.90	0.24	33.00	192.00	42.80	13.00	202.00
LW2-G313	sediment	2	4460.00	108.00	355.00	676.00	2960.00	844.00	18.10	1020.00	6810.00	1040.00	495.00	6790.00
LW2-G393	sediment	2	7320.00	213.00	653.00	5610.00	82500.00	7590.00	331.00	42000.00	#######	28100.00	6890.00	#######
LW2-G425	sediment	2	77.10	1.96	14.40	33.50	139.00	45.00	0.78	47.10	368.00	81.70	20.60	410.00
LW2-G481	sediment	2	201.00	6.90	21.70	57.80	267.00	85.60	0.78	119.00	700.00	156.00	43.00	759.00
LW2-G484	sediment	2	147.00	2.78	22.00	35.80	154.00	56.40	1.81	85.10	454.00	97.00	26.50	450.00
LW2-G487	sediment	2	85.80	1.96	13.50	43.80	175.00	52.30	0.78	125.00	479.00	97.60	23.30	511.00
LW2-G502	sediment	2	95.40	2.78	14.00	119.00	612.00	228.00	1.39	211.00	1910.00	223.00	54.90	2140.00
LW2-G505	sediment	2	945.00	28.90	94.50	142.00	339.00	159.00	8.64	147.00	687.00	283.00	46.80	919.00
LW2-G507	sediment	2	165.00	7.89	18.10	32.80	333.00	57.90	0.78	263.00	1190.00	105.00	32.60	902.00
LW2-GBT016	sediment	2	2470.00	244.00	68.80	479.00	24100.00	957.00	147.00	12100.00	#######	3700.00	1130.00	40800.00
LW2-T01 SC	tissue	1	1280.00	35.80	143.00	215.00	225.00	514.00	1290.00	225.00	2810.00	1230.00	128.00	2190.00
LW2-T01-NOAA SC	tissue	1	825.00	21.00	75.60	117.00	218.00	303.00	917.00	210.00	2930.00	550.00	109.00	1920.00
LW2-T01-REP1	tissue	1	1350.00	39.30	61.90	199.00	369.00	592.00	2300.00	469.00	7680.00	1310.00	122.00	4140.00
LW2-T01-REP2	tissue	1	2520.00	42.00	122.00	278.00	265.00	794.00	2070.00	343.00	3970.00	1610.00	131.00	3110.00
LW2-T01-REP3	tissue	1	1240.00	25.50	54.50	140.00	168.00	460.00	1280.00	220.00	2930.00	1060.00	89.80	2130.00
LW2-T02 SC	tissue	1	2060.00	44.40	211.00	240.00	319.00	545.00	1350.00	253.00	2240.00	1160.00	102.00	2090.00
LW2-T02-NOAA SC	tissue	1	1880.00	41.90	83.30	290.00	390.00	667.00	1700.00	435.00	2450.00	762.00	64.10	2140.00
LW2-T02-REP1	tissue	1	3460.00	49.60	118.00	349.00	412.00	859.00	2330.00	432.00	3920.00	1590.00	120.00	3450.00
LW2-T02-REP2	tissue	1	2760.00	43.20	112.00	312.00	375.00	750.00	2210.00	388.00	3820.00	1660.00	122.00	3440.00
LW2-T02-REP3	tissue	1	3820.00	66.30	127.00	310.00	405.00	883.00	2550.00	468.00	4380.00	1860.00	131.00	3750.00
LW2-T03 SC	tissue	1	1170.00	32.40	115.00	184.00	342.00	450.00	1280.00	600.00	4410.00	744.00	88.50	2620.00
LW2-T03-REP1	tissue	1	1240.00	30.10	74.30	300.00	400.00	831.00	2470.00	938.00	7570.00	1350.00	142.00	5290.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
LW2-T03-REP2	tissue	1	974.00	31.60	53.90	138.00	184.00	451.00	1410.00	721.00	4170.00	780.00	78.40	2170.00
LW2-T03-REP3	tissue	1	1870.00	50.00	96.90	365.00	474.00	1070.00	3340.00	1140.00	8060.00	1930.00	186.00	5110.00
LW2-T04 SC	tissue	1	251.00	4.00	17.40	33.50	45.80	113.00	251.00	46.40	483.00	224.00	19.60	440.00
LW2-T04-REP1	tissue	1	243.00	2.97	13.20	34.40	42.20	135.00	309.00	46.50	567.00	297.00	20.40	542.00
LW2-T04-REP2	tissue	1	444.00	5.36	20.40	70.40	90.10	230.00	559.00	95.10	1020.00	503.00	31.40	914.00
LW2-T04-REP3	tissue	1	341.00	4.42	18.10	47.30	57.00	180.00	403.00	61.80	733.00	384.00	27.60	662.00
LW2-W005 C	surface water fro	3	2.17	0.10	0.15	0.30	1.15	0.49	2.19	0.96	4.52	0.64	0.07	3.72
LW2-W005 F	surface water fro	3	1.43	0.04	0.19	0.26	0.58	0.40	1.48	0.51	2.70	0.84	0.08	2.73
LW2-W011 C	surface water fro	3	2.32	0.10	0.17	0.38	1.62	0.69	3.01	1.54	6.97	0.79	0.09	4.96
LW2-W011 F	surface water fro	3	1.62	0.06	0.22	0.31	0.80	0.57	2.09	0.86	4.58	1.09	0.10	3.75
LW2-W013-1 C	surface water fro	3	1.91	0.34	0.12	0.33	4.08	1.08	5.58	5.12	20.50	0.65	0.12	7.51
LW2-W013-1 F	surface water fro	3	2.23	0.74	0.18	0.56	6.74	2.59	13.00	11.90	52.00	1.46	0.29	16.00
LW2-W013-2 C	surface water fro	3	1.59	0.28	0.10	0.27	3.60	0.92	4.53	4.28	17.10	0.55	0.10	6.25
LW2-W013-2 F	surface water fro	3	1.76	0.49	0.17	0.50	5.09	1.86	9.53	8.07	38.20	1.49	0.22	12.80
LW2-W015 C	surface water fro	3	11.40	0.51	0.75	0.95	2.66	1.24	5.02	1.48	8.79	1.83	0.22	8.06
LW2-W015 F	surface water fro	3	47.20	2.24	4.34	5.05	9.64	6.47	21.60	5.95	27.30	12.00	1.00	30.70
LW2-W016 C	surface water fro	3	4.82	0.13	0.31	0.55	1.46	0.74	1.63	0.86	4.36	0.91	0.10	4.54
LW2-W016 F	surface water fro	3	7.42	0.14	0.82	1.07	1.93	1.59	5.05	1.21	8.74	3.00	0.27	8.48
LW2-W018 C	surface water fro	3	2.53	0.07	0.19	0.54	2.14	0.89	4.18	2.01	8.86	1.02	0.13	8.02
LW2-W018 F	surface water fro	3	2.62	0.06	0.32	0.73	2.07	1.21	5.33	2.13	11.10	2.30	0.25	10.70
LW2-W023 C	surface water fro	3	0.75	0.01	0.06	0.14	0.41	0.22	0.88	0.29	1.45	0.30	0.03	1.54
LW2-W023 F	surface water fro	3	1.49	0.03	0.22	0.46	1.14	0.72	4.05	0.71	15.80	1.92	0.20	9.61
LW2-W2005 C	surface water fro	3	3.72	0.18	0.21	0.43	1.69	0.78	3.09	1.45	6.54	0.93	0.11	5.10
LW2-W2005 F	surface water fro	3	2.01	0.08	0.25	0.47	1.03	0.82	2.82	0.90	5.33	1.48	0.16	5.10
LW2-W2011 C	surface water fro	3	3.62	0.20	0.20	0.44	1.65	0.83	3.43	1.53	7.30	1.08	0.14	5.70
LW2-W2011 F	surface water fro	3	2.55	0.15	0.31	0.69	1.53	1.26	4.39	1.54	8.82	2.62	0.32	7.97
LW2-W2013-1 C	surface water fro	3	4.06	1.12	0.18	0.57	11.80	2.41	12.80	14.80	58.20	0.99	0.19	17.20
LW2-W2013-1 F	surface water fro	3	5.31	2.87	0.31	1.77	29.00	8.52	44.30	41.20	214.00	3.71	1.16	59.60
LW2-W2013-2 C	surface water fro	3	2.57	0.37	0.16	0.39	3.76	1.01	4.96	4.39	18.10	0.78	0.12	7.33
LW2-W2013-2 F	surface water fro	3	1.82	0.43	0.19	0.45	3.89	1.38	6.77	4.60	25.70	1.45	0.27	9.65
LW2-W2015 C	surface water fro	3	6.53	0.20	0.44	0.80	2.47	1.26	4.36	1.49	7.99	1.62	0.17	7.35
LW2-W2015 F	surface water fro	3	6.83	0.17	0.77	1.29	2.37	1.88	6.16	1.61	10.60	3.62	0.38	10.60
LW2-W2016 C	surface water fro	3	6.15	0.21	0.34	0.65	2.06	0.95	3.53	1.36	6.25	1.15	0.14	6.01

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
LW2-W2016 F	surface water fro	3	5.89	0.16	0.65	1.08	1.89	1.56	4.67	1.32	7.33	2.88	0.28	8.51
LW2-W2018 C	surface water fro	3	6.45	0.30	0.38	1.26	5.86	2.15	11.90	8.99	36.80	2.24	0.35	23.70
LW2-W2018 F	surface water fro	3	5.15	0.24	0.71	2.32	6.44	3.94	17.40	9.89	48.10	6.33	0.83	36.50
LW2-W2023 C	surface water fro	3	1.89	0.07	0.13	0.26	0.88	0.42	1.65	0.53	2.70	0.58	0.06	2.84
LW2-W2023 F	surface water fro	3	1.13	0.04	0.15	0.25	0.49	0.42	1.42	0.44	2.30	0.88	0.09	2.59
LW2-W3005 C	surface water fro	3	4.80	0.22	0.32	0.75	2.76	1.16	4.88	2.09	9.36	1.36	0.16	8.09
LW2-W3005 F	surface water fro	3	2.88	0.13	0.43	0.64	1.38	1.03	3.89	1.27	6.96	2.24	0.23	6.77
LW2-W3011 C	surface water fro	3	4.56	0.18	0.33	0.83	2.77	1.24	5.25	2.17	9.60	1.49	0.11	8.78
LW2-W3011 F	surface water fro	3	2.70	0.09	0.37	0.74	1.28	1.00	3.58	1.25	6.75	2.17	0.12	6.67
LW2-W3013-1 C	surface water fro	3	6.14	0.92	0.33	0.97	12.00	2.85	15.20	13.50	53.70	1.68	0.28	21.30
LW2-W3013-1 F	surface water fro	3	7.74	1.88	0.56	2.10	22.20	7.13	39.80	33.30	148.00	4.68	0.90	50.40
LW2-W3013-2 C	surface water fro	3	5.75	0.02	0.30	1.05	14.50	3.53	19.20	17.50	70.60	1.76	0.35	26.40
LW2-W3015 C	surface water fro	3	9.43	0.32	0.67	1.31	3.57	1.77	6.75	2.32	10.30	2.07	0.25	11.00
LW2-W3015 F	surface water fro	3	8.98	0.34	1.04	1.80	3.99	2.52	9.16	3.26	15.80	4.37	0.41	14.50
LW2-W3016 C	surface water fro	3	22.70	0.57	1.38	2.50	5.77	3.16	10.90	3.34	14.50	3.72	0.39	16.20
LW2-W3016 F	surface water fro	3	32.20	0.76	3.07	4.90	8.36	6.52	19.90	5.61	25.30	10.80	0.88	28.00
LW2-W3018 C	surface water fro	3	6.21	0.25	0.51	1.65	7.28	2.46	11.30	5.16	23.00	2.68	0.39	23.40
LW2-W3018 F	surface water fro	3	2.11	0.08	0.35	1.09	3.25	1.69	6.86	2.64	13.20	2.93	0.34	14.40
LW2-W3023 C	surface water fro	3	3.50	0.12	0.26	0.66	2.59	1.14	4.72	1.84	8.14	1.27	0.15	7.34
LW2-W3023 F	surface water fro	3	1.58	0.05	0.24	0.38	0.76	0.65	2.36	0.84	4.17	1.51	0.15	4.40
LW3-C600-B	sediment	2	5370.00	113.00	487.00	811.00	2310.00	961.00	37.30	1000.00	4500.00	1460.00	370.00	5460.00
LW3-C600-C	sediment	2	14900.00	364.00	1290.00	1390.00	8380.00	1890.00	54.30	3930.00	12900.00	2420.00	1110.00	12700.00
LW3-C600-D	sediment	2	1240.00	31.70	111.00	128.00	575.00	167.00	6.00	281.00	952.00	216.00	87.00	1020.00
LW3-C601-B1	sediment	2	4870.00	116.00	376.00	643.00	2440.00	911.00	26.10	1020.00	5650.00	1190.00	429.00	6190.00
LW3-C601-B2	sediment	2	4450.00	105.00	352.00	526.00	2060.00	765.00	25.60	963.00	4520.00	965.00	344.00	5090.00
LW3-C602-B	sediment	2	987.00	21.50	105.00	173.00	513.00	213.00	8.25	208.00	1130.00	353.00	91.50	1290.00
LW3-C602-C	sediment	2	4000.00	86.70	368.00	582.00	2210.00	770.00	25.50	999.00	4310.00	1110.00	353.00	4880.00
LW3-C602-D	sediment	2	5850.00	135.00	471.00	874.00	3090.00	1050.00	25.70	1130.00	6730.00	1710.00	551.00	7110.00
LW3-C604-B	sediment	2	1170.00	25.40	102.00	183.00	550.00	236.00	11.20	241.00	1180.00	360.00	96.70	1340.00
LW3-C604-C	sediment	2	1930.00	43.90	176.00	317.00	1250.00	424.00	9.01	597.00	2730.00	653.00	211.00	3050.00
LW3-C604-D	sediment	2	5000.00	105.00	413.00	723.00	2750.00	880.00	29.80	1050.00	6140.00	1360.00	485.00	5760.00
LW3-C605-B	sediment	2	990.00	24.90	149.00	161.00	463.00	200.00	7.97	193.00	1060.00	370.00	82.50	1260.00
LW3-C605-C	sediment	2	609.00	16.00	64.10	111.00	429.00	150.00	1.12	170.00	971.00	243.00	78.20	1050.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
LW3-C605-D	sediment	2	5030.00	108.00	427.00	785.00	2750.00	923.00	36.80	988.00	6010.00	1530.00	493.00	6380.00
LW3-C606-B	sediment	2	209.00	6.04	21.70	36.10	157.00	53.90	0.44	86.80	417.00	94.40	27.50	415.00
LW3-C606-C	sediment	2	506.00	11.50	47.20	106.00	593.00	159.00	0.63	300.00	1460.00	264.00	101.00	1420.00
LW3-C608-B	sediment	2	2080.00	44.20	192.00	321.00	1360.00	405.00	10.80	550.00	3000.00	668.00	246.00	3160.00
LW3-C608-BD	sediment	2	2140.00	48.10	191.00	335.00	1450.00	456.00	9.33	582.00	3260.00	752.00	255.00	3500.00
LW3-C609-B	sediment	2	1500.00	37.80	140.00	248.00	1760.00	358.00	8.10	586.00	4350.00	545.00	306.00	3350.00
LW3-C609-C	sediment	2	300.00	7.61	18.40	101.00	911.00	164.00	0.27	222.00	2730.00	283.00	173.00	1990.00
LW3-C609-D	sediment	2	9.85	1.15	4.26	3.76	27.70	11.39	0.34	20.10	77.40	4.00	9.03	56.40
LW3-C664-B	sediment	2	7280.00	280.00	551.00	817.00	4650.00	1180.00	23.80	1560.00	11000.00	1370.00	746.00	10700.00
LW3-C664-C	sediment	2	322.00	14.90	24.10	18.70	158.00	31.80	0.63	54.90	337.00	24.70	22.50	335.00
LW3-C665-B	sediment	2	1740.00	35.60	138.00	256.00	1740.00	390.00	7.82	696.00	4090.00	580.00	325.00	3880.00
LW3-C665-C	sediment	2	2940.00	68.10	230.00	530.00	2910.00	752.00	35.90	930.00	7620.00	994.00	536.00	6930.00
LW3-C665-D	sediment	2	524.00	11.50	34.50	78.50	358.00	112.00	5.90	114.00	1000.00	169.00	59.50	896.00
LW3-C676-B	sediment	2	2750.00	57.20	211.00	328.00	2110.00	469.00	3.97	910.00	5130.00	579.00	380.00	4800.00
LW3-C678-B	sediment	2	2580.00	63.60	204.00	433.00	2130.00	601.00	10.80	748.00	4910.00	751.00	386.00	5140.00
LW3-C678-C	sediment	2	3280.00	90.70	269.00	506.00	3360.00	771.00	15.80	976.00	8990.00	1060.00	639.00	7390.00
LW3-C678-D	sediment	2	95.80	1.15	8.67	39.70	410.00	66.40	0.44	102.00	1480.00	124.00	75.80	1030.00
LW3-C679-B	sediment	2	752.00	20.10	106.00	156.00	643.00	227.00	6.00	268.00	1550.00	354.00	112.00	1750.00
LW3-C679-C	sediment	2	3040.00	146.00	267.00	605.00	2240.00	788.00	19.60	766.00	4910.00	1310.00	383.00	5140.00
LW3-C679-D	sediment	2	8270.00	331.00	639.00	1460.00	5070.00	1930.00	69.90	1740.00	11400.00	2670.00	824.00	12400.00
LW3-C686-B	sediment	2	520.00	12.40	50.80	121.00	629.00	171.00	6.67	271.00	1540.00	265.00	106.00	1560.00
LW3-C686-C	sediment	2	118.00	1.98	10.50	21.30	81.50	26.10	0.81	28.20	188.00	39.90	11.10	198.00
LW3-C688-B	sediment	2	270.00	8.02	29.70	58.60	230.00	85.10	0.63	83.80	574.00	154.00	45.80	639.00
LW3-C688-C	sediment	2	1900.00	59.70	167.00	362.00	1300.00	484.00	22.90	435.00	3140.00	821.00	217.00	3340.00
LW3-C688-D	sediment	2	7310.00	267.00	606.00	1160.00	3520.00	1410.00	88.40	1280.00	8360.00	2360.00	517.00	8670.00
LW3-C688-F	sediment	2	337.00	10.80	23.30	167.00	740.00	232.00	2.81	194.00	2170.00	457.00	126.00	1990.00
LW3-C690-B	sediment	2	393.00	11.50	44.00	77.30	269.00	101.00	1.12	103.00	640.00	184.00	49.20	744.00
LW3-C690-C	sediment	2	1110.00	31.40	115.00	218.00	868.00	296.00	10.70	329.00	2070.00	480.00	143.00	2290.00
LW3-C690-D	sediment	2	6790.00	256.00	558.00	1030.00	3690.00	1250.00	41.10	1200.00	7770.00	2070.00	487.00	8250.00
LW3-C690-E	sediment	2	15400.00	598.00	1390.00	2270.00	5840.00	2650.00	157.00	2320.00	13300.00	3510.00	885.00	14200.00
LW3-C702-B	sediment	2	3080.00	43.20	182.00	691.00	4200.00	1030.00	39.20	1600.00	10200.00	1590.00	676.00	10700.00
LW3-C702-C	sediment	2	5320.00	89.10	313.00	1060.00	6190.00	1460.00	25.70	2220.00	14700.00	2340.00	990.00	14900.00
LW3-C702-D	sediment	2	659.00	10.30	31.50	153.00	1050.00	232.00	1.12	429.00	2640.00	409.00	173.00	2550.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
LW3-C703-B	sediment	2	1010.00	14.20	44.40	266.00	2520.00	397.00	12.70	943.00	6480.00	699.00	391.00	4960.00
LW3-C703-C	sediment	2	233.00	5.59	11.80	58.60	1160.00	125.00	0.81	336.00	3450.00	190.00	204.00	1980.00
LW3-C708-B	sediment	2	#######	1750.00	6860.00	37100.00	#######	51300.00	1010.00	52500.00	#######	79700.00	31700.00	#######
LW3-C708-BD	sediment	2	#######	1840.00	7080.00	35900.00	#######	51500.00	842.00	52800.00	#######	75900.00	32500.00	#######
LW3-C708-C	sediment	2	#######	1950.00	6550.00	53400.00	#######	74100.00	1290.00	62700.00	#######	#######	31600.00	#######
LW3-C708-D	sediment	2	6660.00	58.50	234.00	669.00	5750.00	1180.00	12.80	1930.00	13700.00	1440.00	1050.00	15300.00
LW3-C712-B	sediment	2	216.00	5.00	12.40	104.00	525.00	157.00	5.09	156.00	1450.00	305.00	104.00	1450.00
LW3-C712-C	sediment	2	30.50	4.71	4.02	10.10	53.70	16.90	2.24	20.20	131.00	25.10	11.10	141.00
LW3-C721-B	sediment	2	687.00	23.00	68.30	120.00	447.00	174.00	1.81	170.00	1060.00	260.00	77.70	1280.00
LW3-C721-C	sediment	2	3290.00	92.40	280.00	9.49	1760.00	543.00	15.40	824.00	4210.00	711.00	314.00	4360.00
LW3-C721-D	sediment	2	3920.00	77.70	263.00	364.00	2140.00	550.00	10.50	894.00	5060.00	676.00	354.00	5100.00
LW3-C721-E	sediment	2	82.00	3.39	4.49	13.00	34.98	21.30	1.51	26.20	176.00	32.50	13.70	185.00
LW3-C724-B	sediment	2	6050.00	233.00	558.00	687.00	1860.00	900.00	47.60	783.00	4000.00	1230.00	274.00	4800.00
LW3-C738-B	sediment	2	4640.00	128.00	733.00	2980.00	13400.00	3980.00	62.10	7710.00	35900.00	7980.00	1860.00	37000.00
LW3-C738-C	sediment	2	2360.00	87.40	217.00	387.00	2660.00	573.00	8.17	736.00	7850.00	889.00	445.00	6280.00
LW3-C738-D	sediment	2	19.40	4.71	4.26	18.05	63.20	5.84	2.54	19.50	132.00	11.10	8.16	84.90
LW3-C738-F	sediment	2	582.00	13.30	35.60	280.00	1800.00	440.00	6.00	362.00	5730.00	791.00	300.00	4530.00
LW3-C739-B	sediment	2	644.00	23.00	73.20	121.00	925.00	195.00	1.12	381.00	2540.00	309.00	150.00	1960.00
LW3-C739-C	sediment	2	2180.00	75.20	241.00	265.00	1370.00	328.00	6.77	452.00	3380.00	639.00	210.00	2790.00
LW3-C739-CD	sediment	2	1250.00	33.30	110.00	193.00	1110.00	245.00	7.16	398.00	2740.00	457.00	175.00	2170.00
LW3-C739-D	sediment	2	1790.00	49.00	179.00	370.00	1640.00	447.00	11.60	486.00	3790.00	758.00	280.00	3480.00
LW3-C739-E	sediment	2	5110.00	164.00	412.00	1150.00	13500.00	1500.00	32.10	2820.00	28000.00	2830.00	1530.00	16600.00
LW3-C747-B	sediment	2	1810.00	48.60	140.00	311.00	1700.00	434.00	7.45	665.00	4150.00	775.00	323.00	3620.00
LW3-C747-C	sediment	2	12700.00	294.00	946.00	1620.00	5410.00	1960.00	84.80	2260.00	10600.00	2800.00	820.00	12000.00
LW3-C747-E	sediment	2	1790.00	65.00	257.00	144.00	1380.00	211.00	8.77	613.00	1820.00	320.00	159.00	1400.00
LW3-C752-B	sediment	2	6320.00	149.00	399.00	3500.00	14400.00	4160.00	82.20	4050.00	33900.00	8920.00	1860.00	36200.00
LW3-C752-C	sediment	2	8590.00	187.00	578.00	2830.00	11900.00	3580.00	153.00	3660.00	29500.00	7330.00	1700.00	30700.00
LW3-C752-D	sediment	2	7620.00	79.80	157.00	604.00	7410.00	928.00	63.90	2990.00	15400.00	1490.00	953.00	17500.00
LW3-C777-B	sediment	2	9.79	1.59	3.02	5.40	5.95	6.61	0.63	6.84	15.40	3.96	5.44	9.90
LW3-C779-B	sediment	2	121.00	9.44	4.26	7.67	1090.00	15.00	1.12	2010.00	3720.00	51.30	123.00	1890.00
LW3-CA01E-C00D	tissue	1	2810.00	83.30	196.00	242.00	645.00	793.00	3720.00	678.00	5170.00	1310.00	133.00	4300.00
LW3-CA01E-C01	tissue	1	3990.00	108.00	260.00	305.00	793.00	968.00	4560.00	821.00	6290.00	1700.00	160.00	5300.00
LW3-CA01E-C02	tissue	1	3160.00	90.60	232.00	262.00	648.00	802.00	3800.00	667.00	5400.00	1450.00	131.00	4540.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
LW3-CA02W-C00	tissue	1	1600.00	52.30	111.00	150.00	454.00	455.00	2320.00	494.00	3800.00	776.00	77.30	3130.00
LW3-CA02W-C00D	tissue	1	1420.00	55.30	104.00	136.00	413.00	434.00	2310.00	461.00	3560.00	799.00	76.70	2910.00
LW3-CA03W-C00	tissue	1	1660.00	66.30	120.00	202.00	578.00	586.00	2620.00	673.00	5020.00	938.00	97.00	3960.00
LW3-CA04W-C00	tissue	1	1180.00	46.30	88.90	159.00	400.00	420.00	1890.00	482.00	3590.00	723.00	75.40	2880.00
LW3-CA05E-C00	tissue	1	1370.00	58.70	98.20	164.00	490.00	449.00	2370.00	678.00	4820.00	808.00	81.90	3440.00
LW3-CA05W-C00	tissue	1	1180.00	44.40	84.00	166.00	423.00	424.00	2110.00	487.00	3840.00	769.00	79.30	3130.00
LW3-CA10W-C00	tissue	1	835.00	23.30	46.10	196.00	523.00	508.00	2670.00	524.00	4790.00	1070.00	105.00	4030.00
LW3-CA10W-C00D	tissue	1	1560.00	44.50	80.20	392.00	1090.00	997.00	4920.00	1010.00	8800.00	2210.00	216.00	7510.00
LW3-CA11E-C00	tissue	1	1340.00	135.00	68.30	214.00	1110.00	680.00	5860.00	4730.00	28600.00	1570.00	143.00	12400.00
LW3-CA11E-C00D	tissue	1	802.00	57.60	43.10	142.00	718.00	452.00	3730.00	3280.00	15700.00	883.00	86.70	6990.00
LW3-CA12E-C00	tissue	1	820.00	46.50	72.80	123.00	358.00	358.00	1980.00	747.00	6300.00	724.00	71.90	3110.00
LW3-CA12E-C00D	tissue	1	527.00	21.80	46.60	80.80	223.00	230.00	1290.00	449.00	3720.00	522.00	48.90	2000.00
LW3-CA12W-C00	tissue	1	565.00	17.30	40.90	114.00	272.00	276.00	1330.00	217.00	2150.00	600.00	55.10	1890.00
LW3-CP0004-C10B	tissue	1	5660.00	130.00	270.00	996.00	1730.00	2210.00	7680.00	1720.00	14900.00	4630.00	418.00	12200.00
LW3-CP0004-C10F	tissue	1	4130.00	86.70	218.00	632.00	1010.00	1480.00	4810.00	1040.00	9630.00	3170.00	345.00	8360.00
LW3-CP0004-C20B	tissue	1	6810.00	161.00	287.00	1230.00	2100.00	3140.00	9510.00	2290.00	18700.00	5260.00	504.00	14400.00
LW3-CP0004-C20F	tissue	1	4830.00	101.00	255.00	846.00	1340.00	2140.00	5710.00	1340.00	11400.00	3820.00	406.00	9680.00
LW3-CP0004-C30B	tissue	1	6050.00	148.00	290.00	929.00	1590.00	2330.00	7280.00	2060.00	16700.00	3550.00	337.00	11000.00
LW3-CP0004-C30F	tissue	1	4800.00	94.10	252.00	667.00	978.00	1670.00	4880.00	1170.00	10500.00	2550.00	257.00	7570.00
LW3-CP0408-C10B	tissue	1	7790.00	127.00	279.00	1300.00	2040.00	3290.00	9600.00	2180.00	18900.00	5280.00	471.00	13400.00
LW3-CP0408-C10F	tissue	1	5270.00	78.00	184.00	799.00	1170.00	2030.00	5720.00	1270.00	11000.00	3210.00	320.00	8650.00
LW3-CP0408-C20B	tissue	1	7160.00	127.00	214.00	1380.00	2280.00	2510.00	11700.00	2870.00	27100.00	5060.00	470.00	17900.00
LW3-CP0408-C20F	tissue	1	5410.00	93.90	169.00	1030.00	2010.00	2050.00	8320.00	2520.00	19100.00	3750.00	395.00	12800.00
LW3-CP0408-C30B	tissue	1	38000.00	38.80	101.51	4460.00	48800.00	29200.00	#######	#######	#######	27000.00	3120.00	#######
LW3-CP0408-C30BD	tissue	1	39200.00	2520.00	101.51	5090.00	55500.00	32000.00	#######	#######	#######	25400.00	3240.00	#######
LW3-CP0408-C30F	tissue	1	23900.00	31.63	64.64	2670.00	39800.00	19100.00	#######	90400.00	#######	16400.00	1360.00	#######
LW3-CP0812-C11B	tissue	1	6280.00	129.00	222.00	1280.00	2380.00	2990.00	11100.00	3980.00	27900.00	4750.00	460.00	17500.00
LW3-CP0812-C11F	tissue	1	4400.00	86.70	170.00	826.00	1560.00	1970.00	7190.00	2470.00	18300.00	2860.00	336.00	11300.00
LW3-CP0812-C12B	tissue	1	6310.00	136.00	228.00	1280.00	2340.00	2910.00	10800.00	3870.00	27800.00	4890.00	475.00	17700.00
LW3-CP0812-C12F	tissue	1	4070.00	79.60	159.00	741.00	1380.00	1740.00	6210.00	2190.00	16400.00	2930.00	310.00	10600.00
LW3-CP0812-C20B	tissue	1	7540.00	163.00	252.00	2140.00	3960.00	4230.00	19300.00	8510.00	70300.00	8850.00	777.00	33400.00
LW3-CP0812-C20F	tissue	1	4390.00	81.60	162.00	895.00	1730.00	1810.00	8260.00	3530.00	27300.00	4060.00	402.00	15100.00
LW3-CP0812-C20FD	tissue	1	4230.00	77.50	164.00	907.00	1810.00	1770.00	7910.00	3600.00	28000.00	4070.00	391.00	15500.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
LW3-CP0812-C30B	tissue	1	3990.00	80.40	148.00	951.00	1650.00	2460.00	8570.00	2260.00	19800.00	3610.00	371.00	12600.00
LW3-CP0812-C30F	tissue	1	2530.00	45.40	104.00	491.00	892.00	1230.00	4190.00	1180.00	11200.00	2010.00	240.00	6800.00
LW3-CR01E-ALT-C00	tissue	1	359.00	2.24	30.20	3.07	4.22	37.70	50.70	5.37	110.00	119.00	9.51	29.80
LW3-CR01W-C00	tissue	1	208.00	1.59	17.90	4.21	4.97	34.40	48.00	5.88	99.50	115.00	9.55	43.10
LW3-CR05W-C00	tissue	1	293.00	1.50	17.10	4.41	6.78	69.40	79.70	6.87	161.00	321.00	26.70	44.60
LW3-CR06W-C00	tissue	1	195.00	2.04	18.30	2.47	4.92	55.70	49.50	8.93	336.00	116.00	6.43	27.60
LW3-CR08W-C00	tissue	1	790.00	10.50	79.50	19.90	30.20	102.00	126.00	26.40	281.00	249.00	12.60	134.00
LW3-CR10W-C00	tissue	1	303.00	1.14	18.90	5.50	11.60	162.00	65.80	13.60	236.00	358.00	15.50	65.10
LW3-CR10W-C00D	tissue	1	282.00	1.23	19.20	5.37	11.10	153.00	63.50	13.30	228.00	332.00	15.20	62.00
LW3-CR11E-C01	tissue	1	2140.00	9.60	78.20	9.71	25.90	1080.00	743.00	110.00	3760.00	4270.00	274.00	195.00
LW3-CR11E-C02	tissue	1	2170.00	7.97	66.20	8.96	23.50	1010.00	691.00	103.00	3530.00	4200.00	261.00	182.00
LW3-CR12E-C00	tissue	1	211.00	1.29	27.40	4.80	6.74	41.10	43.80	4.62	128.00	151.00	8.65	48.80
LW3-CR12W-C00	tissue	1	143.00	0.77	13.10	1.61	2.84	27.40	26.30	2.57	67.00	85.40	5.28	18.90
LW3-G600	sediment	2	1740.00	39.50	212.00	252.00	694.00	380.00	22.10	345.00	1510.00	659.00	119.00	1850.00
LW3-G601	sediment	2	180.00	6.18	22.90	29.60	128.00	52.40	0.02	58.40	350.00	97.00	23.00	391.00
LW3-G602	sediment	2	358.00	10.70	42.30	62.20	193.00	97.50	0.03	92.70	515.00	185.00	35.20	599.00
LW3-G603	sediment	2	274.00	9.35	33.40	46.10	163.00	75.30	0.17	73.00	436.00	145.00	29.30	500.00
LW3-G604	sediment	2	370.00	10.90	50.90	71.40	214.00	100.00	0.06	85.60	545.00	215.00	39.30	618.00
LW3-G605	sediment	2	302.00	9.77	36.80	58.00	183.00	82.50	0.06	76.10	457.00	169.00	33.20	521.00
LW3-G606	sediment	2	153.00	1.25	20.50	30.20	110.00	42.90	0.02	50.10	291.00	93.20	20.50	315.00
LW3-G607	sediment	2	296.00	8.79	36.20	55.80	193.00	81.80	0.06	78.10	488.00	172.00	34.10	541.00
LW3-G608	sediment	2	617.00	16.90	73.00	124.00	338.00	162.00	8.21	139.00	806.00	323.00	60.60	933.00
LW3-G609	sediment	2	2260.00	63.80	181.00	366.00	1790.00	518.00	0.22	619.00	4800.00	788.00	320.00	4300.00
LW3-G618	sediment	2	271.00	10.10	32.70	99.10	364.00	121.00	0.46	123.00	902.00	282.00	56.90	953.00
LW3-G618D	sediment	2	247.00	10.10	30.50	52.90	206.00	72.90	0.01	84.80	520.00	165.00	35.30	538.00
LW3-G620	sediment	2	207.00	7.26	26.50	41.10	152.00	63.70	0.09	71.60	425.00	128.00	29.20	462.00
LW3-G624	sediment	2	167.00	5.93	21.20	31.60	131.00	51.60	0.17	60.40	355.00	99.90	23.50	380.00
LW3-G629	sediment	2	2390.00	52.40	204.00	403.00	2130.00	587.00	11.50	816.00	5210.00	962.00	414.00	5170.00
LW3-G631	sediment	2	183.00	5.94	22.00	33.30	134.00	50.20	0.31	60.50	359.00	98.00	25.80	385.00
LW3-G633	sediment	2	201.00	6.23	24.20	37.90	163.00	57.50	0.17	76.20	438.00	113.00	31.80	448.00
LW3-G642	sediment	2	19.00	1.25	3.00	3.09	21.30	6.10	0.06	9.67	60.90	12.60	2.52	49.80
LW3-G644	sediment	2	264.00	8.50	30.90	52.20	249.00	82.40	0.17	119.00	709.00	149.00	42.70	719.00
LW3-G646	sediment	2	22.40	0.60	3.00	5.35	21.80	6.43	0.02	10.20	56.60	15.10	2.52	57.40

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
LW3-G664	sediment	2	6020.00	170.00	490.00	753.00	3560.00	1040.00	25.20	1280.00	8850.00	1370.00	584.00	8390.00
LW3-G666	sediment	2	223.00	6.42	29.70	39.80	163.00	71.20	0.06	73.60	460.00	131.00	29.80	537.00
LW3-G667	sediment	2	43.80	0.80	3.00	10.40	46.60	17.00	0.06	21.00	117.00	26.00	8.11	126.00
LW3-G668	sediment	2	182.00	5.45	20.80	29.80	121.00	49.80	0.06	56.60	327.00	86.70	23.50	369.00
LW3-G673	sediment	2	197.00	5.95	22.80	34.70	141.00	58.00	0.17	65.30	385.00	104.00	26.50	442.00
LW3-G676	sediment	2	680.00	14.80	57.50	107.00	583.00	165.00	0.46	292.00	1450.00	265.00	102.00	1560.00
LW3-G676D	sediment	2	647.00	16.70	56.30	101.00	581.00	158.00	1.67	287.00	1500.00	249.00	101.00	1550.00
LW3-G677	sediment	2	42.20	0.80	3.00	8.96	40.30	13.50	0.06	16.50	102.00	21.10	6.00	121.00
LW3-G681	sediment	2	193.00	6.78	23.90	33.40	200.00	63.30	0.04	114.00	554.00	115.00	30.60	542.00
LW3-G682	sediment	2	191.00	6.39	21.40	32.20	142.00	56.00	0.17	68.80	388.00	101.00	24.40	439.00
LW3-G686	sediment	2	138.00	1.25	18.00	35.50	170.00	61.40	0.46	76.60	447.00	116.00	25.80	499.00
LW3-G687	sediment	2	240.00	6.89	29.00	44.90	187.00	77.20	0.17	81.70	518.00	144.00	32.80	571.00
LW3-G692-1	sediment	2	627.00	18.20	66.40	119.00	403.00	150.00	0.17	164.00	979.00	247.00	74.10	1060.00
LW3-G692-1D	sediment	2	668.00	20.90	70.50	123.00	432.00	167.00	0.06	173.00	1080.00	274.00	80.10	1200.00
LW3-G692-2	sediment	2	508.00	15.30	55.60	89.50	313.00	130.00	0.17	132.00	811.00	210.00	62.10	904.00
LW3-G692-3	sediment	2	523.00	16.70	66.30	94.90	345.00	132.00	1.09	138.00	832.00	222.00	66.60	933.00
LW3-G729	sediment	2	117.00	1.25	15.50	22.70	107.00	45.00	0.46	48.70	301.00	84.20	17.70	340.00
LW3-G732-1	sediment	2	115.00	0.60	15.40	21.50	87.10	41.70	0.11	39.90	256.00	77.10	16.80	293.00
LW3-G732-2	sediment	2	114.00	0.80	15.50	22.10	90.20	41.00	0.46	37.90	262.00	76.60	16.50	293.00
LW3-G738	sediment	2	12000.00	701.00	1250.00	846.00	4230.00	1090.00	104.00	1880.00	10600.00	1590.00	627.00	7140.00
LW3-G739	sediment	2	781.00	37.80	89.70	119.00	1340.00	218.00	0.78	647.00	4280.00	383.00	177.00	2660.00
LW3-G747	sediment	2	193.00	2.97	7.27	50.50	194.00	65.20	0.20	91.50	542.00	136.00	30.80	554.00
LW3-SB010E-C00B	tissue	1	9380.00	209.00	306.00	3130.00	7540.00	6620.00	24400.00	4410.00	40000.00	14900.00	1210.00	36900.00
LW3-SB010E-C00F	tissue	1	953.00	17.20	25.70	369.00	771.00	713.00	2490.00	435.00	3840.00	1550.00	121.00	3890.00
LW3-SB010E-C00FD	tissue	1	913.00	15.00	28.90	385.00	773.00	674.00	2540.00	417.00	3870.00	1620.00	122.00	4000.00
LW3-SB010W-C00B	tissue	1	9580.00	209.00	465.00	741.00	1670.00	3780.00	9490.00	2710.00	31200.00	7690.00	486.00	16200.00
LW3-SB010W-C00F	tissue	1	913.00	20.90	53.40	83.10	138.00	357.00	841.00	209.00	2580.00	767.00	52.60	1410.00
LW3-SB011E-C00B	tissue	1	9140.00	341.00	220.00	1090.00	4040.00	7560.00	30300.00	16200.00	#######	17100.00	1750.00	52900.00
LW3-SB011E-C00F	tissue	1	1560.00	128.00	36.10	163.00	631.00	1190.00	5120.00	2760.00	28200.00	2600.00	245.00	8890.00
LW3-SB011W-C00B	tissue	1	9900.00	50.50	181.00	551.00	817.00	4450.00	6940.00	1230.00	14900.00	8670.00	292.00	9530.00
LW3-SB011W-C00F	tissue	1	1200.00	6.10	22.80	72.40	100.00	565.00	863.00	143.00	1880.00	954.00	33.60	1250.00
LW3-SB02E-C00B	tissue	1	#######	994.00	4490.00	7630.00	10800.00	37800.00	67800.00	13100.00	#######	63700.00	3400.00	90700.00
LW3-SB02E-C00F	tissue	1	16700.00	96.40	463.00	817.00	1020.00	3850.00	6170.00	1080.00	9490.00	6720.00	340.00	9650.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
LW3-SB03E-C00B	tissue	1	9550.00	160.00	354.00	1060.00	1810.00	3970.00	9010.00	2020.00	16200.00	7280.00	508.00	14300.00
LW3-SB03E-C00F	tissue	1	1090.00	15.30	39.10	134.00	212.00	466.00	1040.00	218.00	1950.00	732.00	52.20	1710.00
LW3-SB03W-C00B	tissue	1	4810.00	87.40	228.00	494.00	976.00	2510.00	5050.00	1220.00	10400.00	4710.00	306.00	8390.00
LW3-SB03W-C00F	tissue	1	589.00	9.36	26.30	65.20	114.00	285.00	577.00	125.00	1160.00	448.00	30.60	1010.00
LW3-SB04E-C01B	tissue	1	33800.00	566.00	1310.00	4050.00	8090.00	17700.00	43200.00	7610.00	79000.00	37300.00	2590.00	71400.00
LW3-SB04E-C01F	tissue	1	4780.00	75.50	176.00	580.00	1050.00	2610.00	5980.00	972.00	11400.00	5060.00	330.00	10300.00
LW3-SB04E-C02B	tissue	1	33300.00	579.00	1250.00	3780.00	7700.00	17100.00	41500.00	7210.00	82400.00	39100.00	2610.00	70300.00
LW3-SB04E-C02F	tissue	1	4740.00	72.50	178.00	586.00	1060.00	2660.00	6070.00	961.00	11400.00	4920.00	326.00	10400.00
LW3-SB04W-C00B	tissue	1	6170.00	111.00	239.00	706.00	1380.00	3740.00	7550.00	1740.00	16300.00	6200.00	408.00	11600.00
LW3-SB04W-C00F	tissue	1	732.00	10.20	27.00	102.00	138.00	387.00	774.00	158.00	1500.00	703.00	39.10	1340.00
LW3-SB05W-C00B	tissue	1	6210.00	94.10	232.00	577.00	1130.00	3260.00	6130.00	1400.00	13500.00	6490.00	351.00	9630.00
LW3-SB05W-C00F	tissue	1	710.00	12.60	23.20	67.40	118.00	344.00	624.00	140.00	1290.00	677.00	36.30	1040.00
LW3-SB06E-C00B	tissue	1	4990.00	87.20	208.00	668.00	1360.00	3490.00	8920.00	1890.00	26600.00	7370.00	501.00	15700.00
LW3-SB06E-C00BD	tissue	1	5100.00	89.90	229.00	696.00	1430.00	3690.00	9440.00	2020.00	28400.00	7740.00	524.00	16500.00
LW3-SB06E-C00F	tissue	1	577.00	15.30	23.20	77.10	143.00	363.00	924.00	183.00	2520.00	747.00	49.30	1670.00
LW3-SB06W-C00B	tissue	1	7500.00	80.80	331.00	667.00	1200.00	3490.00	7080.00	1400.00	14900.00	9390.00	507.00	9930.00
LW3-SB06W-C00F	tissue	1	652.00	7.90	28.30	67.40	105.00	297.00	602.00	109.00	1160.00	789.00	45.10	900.00
LW3-SB07E-C00B	tissue	1	5820.00	118.00	197.00	653.00	2020.00	5270.00	12600.00	4450.00	53100.00	5560.00	438.00	15900.00
LW3-SB07E-C00F	tissue	1	669.00	38.50	19.90	60.70	183.00	450.00	1090.00	351.00	4120.00	660.00	45.80	1410.00
LW3-SB07W-C00B	tissue	1	18500.00	188.00	594.00	1470.00	2390.00	6030.00	14000.00	2980.00	28100.00	11400.00	643.00	18000.00
LW3-SB07W-C00F	tissue	1	2190.00	22.80	70.40	170.00	258.00	590.00	1360.00	291.00	2510.00	1200.00	63.10	1940.00
LW3-SB08E-C00B	tissue	1	4390.00	54.70	170.00	315.00	697.00	2280.00	4330.00	1050.00	11600.00	4300.00	275.00	6950.00
LW3-SB08E-C00F	tissue	1	554.00	8.31	21.20	46.90	88.10	286.00	538.00	129.00	1390.00	533.00	33.90	905.00
LW3-SB08W-C00B	tissue	1	9400.00	146.00	343.00	1430.00	2680.00	5410.00	14400.00	2970.00	29000.00	10800.00	805.00	21100.00
LW3-SB08W-C00F	tissue	1	863.00	16.20	28.60	136.00	238.00	456.00	1170.00	249.00	2290.00	943.00	66.10	1840.00
LW3-SB09E-C00B	tissue	1	3850.00	74.80	186.00	480.00	1120.00	2500.00	5730.00	1410.00	13800.00	4880.00	354.00	9410.00
LW3-SB09E-C00F	tissue	1	446.00	8.50	21.90	63.20	126.00	271.00	627.00	149.00	1450.00	543.00	41.50	1080.00
LW3-SB09W-C00B	tissue	1	44300.00	1100.00	2110.00	4080.00	6540.00	11500.00	30400.00	6400.00	53100.00	21100.00	1620.00	43500.00
LW3-SB09W-C00F	tissue	1	3770.00	99.30	202.00	385.00	524.00	971.00	2460.00	494.00	4090.00	1690.00	137.00	3560.00
LW3-SP01E-C00	tissue	1	2880.00	26.50	98.40	68.30	126.00	1360.00	1350.00	217.00	2970.00	2380.00	111.00	2310.00
LW3-SP01W-C00	tissue	1	2170.00	24.90	119.00	106.00	190.00	935.00	1510.00	241.00	3220.00	1920.00	150.00	2610.00
LW3-SP03E-C00	tissue	1	2360.00	20.80	73.30	48.90	88.60	1100.00	1110.00	153.00	2650.00	2260.00	86.00	1950.00
LW3-SP04W-C00	tissue	1	3010.00	22.80	67.60	57.60	127.00	1460.00	1270.00	195.00	2890.00	2770.00	92.00	2070.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
LW3-SP05E-C00	tissue	1	2540.00	47.10	158.00	122.00	275.00	1090.00	2010.00	400.00	5080.00	2270.00	156.00	3510.00
LW3-SP06W-C00	tissue	1	2300.00	36.70	93.00	86.80	161.00	1050.00	1470.00	258.00	3330.00	2190.00	97.60	2260.00
LW3-SP07E-C00	tissue	1	1280.00	5.62	38.30	33.80	78.70	829.00	868.00	167.00	2060.00	1510.00	51.10	1510.00
LW3-SP07W-C00	tissue	1	2620.00	35.50	121.00	90.50	243.00	1160.00	1910.00	403.00	5040.00	2370.00	134.00	3650.00
LW3-SP08E-C00	tissue	1	1820.00	7.69	93.70	136.00	315.00	1520.00	3200.00	817.00	9730.00	2930.00	183.00	5550.00
LW3-SP08W-C00	tissue	1	11300.00	160.00	408.00	513.00	883.00	5000.00	8190.00	1110.00	17500.00	9400.00	532.00	14200.00
LW3-SP09W-C00	tissue	1	7990.00	94.10	287.00	447.00	873.00	5440.00	9430.00	1110.00	22500.00	10100.00	679.00	17700.00
LW3-SP10E-C00	tissue	1	2010.00	19.80	67.00	56.60	145.00	1260.00	1610.00	263.00	4200.00	2730.00	123.00	2810.00
LW3-SP10W-C00	tissue	1	2030.00	25.90	98.90	78.00	208.00	989.00	1590.00	361.00	4380.00	2130.00	135.00	3290.00
LW3-SP11E-C00	tissue	1	10100.00	400.00	260.00	1240.00	9190.00	6270.00	44500.00	17100.00	#######	14000.00	1330.00	#######
LW3-SP12E-C00	tissue	1	1180.00	5.88	47.90	30.20	65.00	792.00	932.00	94.10	4250.00	2160.00	73.20	1750.00
LW3-SP12W-ALT-C01	tissue	1	833.00	7.89	37.20	23.30	45.80	600.00	595.00	64.80	1360.00	1220.00	70.00	1110.00
LW3-SP12W-ALT-C02	tissue	1	864.00	8.87	35.50	21.80	48.60	614.00	616.00	70.60	1430.00	1240.00	69.40	1110.00
LW3-STW2-CW10-WR142	stormwater	3	116.00	1.49	30.50	63.20	117.00	63.40	0.19	31.20	304.00	174.00	6.53	453.00
LW3-STW2-CW10-WR4	stormwater	3	18.02	4.49	19.70	43.50	101.00	46.80	1.19	11.20	279.00	162.00	8.40	436.00
LW3-STW2-CW30-WR4	stormwater	3	68.60	4.15	35.70	85.70	184.00	96.10	2.71	47.50	547.00	325.00	52.90	847.00
LW3-STW2-CW40-WR142	stormwater	3	99.40	1.93	28.20	40.00	92.50	44.00	0.19	32.10	248.00	130.00	3.51	357.00
LW3-STW-CW10-WR04	stormwater	3	10.65	4.15	2.37	8.78	51.90	9.67	0.99	6.99	123.00	47.60	6.53	175.00
LW3-STW-CW10-WR142	stormwater	3	27.90	2.68	12.50	8.78	7.79	9.67	0.64	7.64	75.10	39.60	6.53	109.00
LW3-STW-CW10-WR384	stormwater	3	1540.00	129.00	130.00	359.00	1320.00	461.00	0.19	478.00	2930.00	861.00	151.00	3220.00
LW3-STW-CW20-H30	stormwater	3	284.00	1.21	58.70	86.30	217.00	103.00	0.54	65.70	544.00	236.00	40.00	695.00
LW3-STW-CW20-WR384	stormwater	3	#######	9700.00	18700.00	63500.00	#######	68100.00	3660.00	59000.00	#######	#######	26300.00	#######
LW3-STW-CW20-WR4	stormwater	3	18.60	6.21	3.57	17.36	36.10	17.65	2.71	16.03	94.00	37.30	8.92	134.00
LW3-STW-CW30-WR384	stormwater	3	#######	5290.00	9760.00	28700.00	93800.00	28000.00	2140.00	27400.00	#######	79800.00	11100.00	#######
LW3-STW-CW30-WR4	stormwater	3	64.50	1.93	21.40	43.30	126.00	11.83	0.19	34.70	354.00	145.00	3.51	479.00
LW3-STW-CW40-WR384	stormwater	3	52300.00	2850.00	5650.00	14800.00	46600.00	17000.00	741.00	13800.00	#######	40000.00	6050.00	#######
LW3-STW-GW10-WR142-D	stormwater	3	6.44	6.21	3.08	5.14	7.79	5.69	2.57	4.13	8.60	4.19	8.92	13.79
LW3-STW-GW10-WR142-T	stormwater	3	10.65	8.02	12.10	8.78	12.73	9.67	2.57	6.99	49.50	25.50	6.53	64.90
LW3-UG02A	sediment	2	80.70	2.53	5.13	18.20	50.10	25.70	0.18	20.20	130.00	45.60	12.00	166.00
LW3-UG02C	sediment	2	58.60	1.25	9.23	11.80	40.30	23.10	0.26	15.50	107.00	42.50	9.46	142.00
LW3-UG02E-1	sediment	2	76.50	1.81	11.50	14.80	54.00	30.30	1.39	20.40	144.00	52.40	11.30	188.00
LW3-UG02E-2	sediment	2	74.20	2.13	10.40	12.90	48.80	24.90	1.39	20.60	127.00	46.40	9.92	163.00
LW3-UG03A-1	sediment	2	65.50	1.25	10.10	18.90	47.00	21.90	0.17	15.40	120.00	44.90	4.00	154.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
LW3-UG03A-2	sediment	2	79.10	1.81	8.79	17.00	46.20	18.70	0.46	17.00	116.00	44.60	10.00	142.00
LW3-UG03A-3	sediment	2	68.00	1.81	9.21	17.90	45.90	21.60	0.46	16.90	112.00	44.00	10.30	147.00
LW3-UG03B	sediment	2	17.90	2.13	3.00	3.09	5.57	6.96	0.62	5.48	36.70	13.20	2.52	46.40
LW3-UG04B	sediment	2	36.10	1.25	3.00	6.86	25.10	13.50	0.17	9.81	70.20	23.80	5.14	86.20
LW3-UG06A	sediment	2	52.40	1.25	7.52	7.21	32.80	17.60	0.46	12.10	80.70	34.90	9.58	107.00
LW3-UG06B	sediment	2	53.60	1.25	8.21	10.50	39.50	22.00	0.17	14.50	106.00	40.90	7.71	137.00
LW3-UG11B	sediment	2	16.50	1.25	3.00	3.09	15.60	7.80	0.17	5.37	41.40	17.50	2.52	57.20
LW3-UG12A	sediment	2	91.40	1.25	11.30	18.00	45.90	23.70	0.46	16.30	125.00	54.20	12.30	136.00
LW3-UG12B	sediment	2	64.00	1.25	8.76	11.30	40.90	24.00	0.17	16.10	120.00	43.70	9.52	153.00
LW3-W3005-NB-C	surface water fro	3	3.13	0.14	0.28	0.54	1.73	0.77	3.54	1.13	6.01	1.22	0.09	5.93
LW3-W3005-NB-F	surface water fro	3	3.96	0.15	0.56	0.82	1.55	1.19	4.65	1.12	7.57	3.46	0.31	8.50
LW3-W3005-NS-C	surface water fro	3	3.76	0.18	0.32	0.60	1.87	0.80	3.88	1.14	6.46	1.30	0.15	6.29
LW3-W3005-NS-F	surface water fro	3	4.07	0.16	0.61	0.82	1.51	1.19	4.69	1.04	7.09	3.39	0.31	8.28
LW3-W3011-NB-C	surface water fro	3	2.42	0.09	0.21	0.42	1.32	0.62	2.74	1.04	5.24	0.90	0.10	4.73
LW3-W3011-NB-F	surface water fro	3	2.01	0.06	0.32	0.28	0.81	0.64	2.45	0.68	4.22	1.69	0.16	4.34
LW3-W3011-NS-C	surface water fro	3	2.77	0.11	0.23	0.43	1.44	0.67	3.01	1.08	5.64	1.03	0.11	5.11
LW3-W3011-NS-F	surface water fro	3	1.16	0.04	0.23	0.34	0.51	0.54	2.06	0.55	3.39	1.46	0.15	3.66
LW3-W3023-E-C	surface water fro	3	1.92	0.09	0.15	0.33	1.00	0.41	2.14	0.64	4.15	0.91	0.08	3.72
LW3-W3023-E-F	surface water fro	3	3.19	0.12	0.71	1.16	2.24	1.56	7.38	1.60	14.10	4.66	0.45	13.70
LW3-W3023-M-C	surface water fro	3	1.72	0.06	0.12	0.25	0.75	0.37	1.55	0.38	2.46	0.64	0.07	2.61
LW3-W3023-M-F	surface water fro	3	1.16	0.07	0.17	0.20	0.35	0.34	1.21	0.22	1.69	0.78	0.06	2.05
LW3-W3023-W-C	surface water fro	3	2.12	0.05	0.16	0.37	1.08	0.50	2.22	0.54	3.39	0.98	0.10	3.79
LW3-W3023-W-F	surface water fro	3	1.87	0.07	0.39	0.64	1.11	0.93	3.57	0.62	4.91	2.49	0.21	6.28
LW3-W3024-NB-C	surface water fro	3	2.07	0.04	0.13	0.32	1.06	0.53	1.97	0.57	2.95	0.44	0.06	3.32
LW3-W3024-NB-F	surface water fro	3	3.13	0.04	0.48	0.76	1.31	1.28	3.99	0.83	5.23	2.59	0.27	6.96
LW3-W3024-NS-C	surface water fro	3	2.80	0.10	0.18	0.45	1.32	0.68	2.61	0.67	3.82	0.84	0.11	4.14
LW3-W3024-NS-F	surface water fro	3	1.16	0.02	0.22	0.37	0.70	0.56	1.85	0.39	2.28	0.88	0.09	3.09
LW3-W3025-E-C	surface water fro	3	11.70	0.76	0.99	1.77	5.18	2.29	10.30	3.03	15.50	3.50	0.40	16.20
LW3-W3025-E-F	surface water fro	3	7.57	0.35	0.93	1.38	2.49	2.03	7.97	1.65	10.80	5.29	0.48	12.60
LW3-W3025-M-C	surface water fro	3	4.03	0.16	0.24	0.64	2.04	0.90	4.00	1.50	7.24	1.20	0.14	6.73
LW3-W3025-M-F	surface water fro	3	2.07	0.07	0.28	0.46	0.83	0.69	2.53	0.66	3.92	1.45	0.09	4.38
LW3-W3025-W-C	surface water fro	3	2.76	0.11	0.15	0.45	1.36	0.68	2.84	0.94	4.91	0.85	0.10	4.63
LW3-W3025-W-F	surface water fro	3	1.19	0.03	0.25	0.33	0.57	0.50	1.66	0.42	2.71	1.21	0.06	2.94

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
LW3-W3027-NB-C	surface water fro	3	2.44	0.06	0.18	0.28	1.38	0.63	2.99	0.96	5.21	0.92	0.11	5.17
LW3-W3027-NB-F	surface water fro	3	2.14	0.06	0.33	0.52	0.96	0.80	3.02	0.74	5.14	1.81	0.17	5.57
LW3-W3027-NS-C	surface water fro	3	3.16	0.11	0.25	0.33	1.77	0.78	3.64	1.13	6.29	1.15	0.13	6.41
LW3-W3027-NS-F	surface water fro	3	1.98	0.08	0.32	0.51	0.94	0.77	2.95	0.72	4.80	1.75	0.16	5.32
NCPS_0	Sediment	2	83.40	2.87	15.60	13.90	24.80	20.80	72.10	15.30	114.00	53.10	4.50	116.00
NCPS_1	Sediment	2	4.56	0.13	0.36	1.05	2.66	1.39	3.09	1.23	8.08	1.92	0.26	3.46
NCPS_2	Sediment	2	79.90	0.13	15.00	19.90	38.50	30.90	99.40	24.60	153.00	66.30	6.13	162.00
NCPS_3	Sediment	2	54.40	1.96	9.32	9.73	16.80	16.90	50.90	10.00	78.50	33.00	0.26	78.50
NCPS_4	Sediment	2	27.30	1.01	4.93	5.51	9.53	7.50	29.00	5.93	42.20	18.20	1.65	42.50
PSPS_1	Sediment	2	66.10	0.12	12.20	17.30	24.80	27.40	83.90	15.30	138.00	52.70	5.46	142.00
PSPS_2	Sediment	2	29.70	0.10	4.31	7.02	13.10	11.70	37.50	6.48	58.50	18.50	2.42	61.80
PSPS_3	Sediment	2	13.30	0.11	0.51	2.29	4.67	3.71	14.10	2.69	21.70	7.80	0.20	21.20
PSPS_8	Sediment	2	4.56	0.10	0.42	0.35	2.42	1.97	3.09	1.46	10.30	3.60	0.36	9.75
PSPS_9	Sediment	2	13.60	0.10	0.42	2.31	1.06	3.99	14.30	2.47	20.30	7.51	0.68	20.60
R_CAR_0	Sediment	2	9.52	0.36	1.71	0.49	1.06	3.11	9.62	0.71	16.30	5.16	0.55	14.90
R_CAR_1	Sediment	2	8.30	0.10	1.23	0.49	2.73	2.46	7.40	2.04	13.30	1.92	0.16	12.10
R_CAR_4	Sediment	2	20.50	0.10	4.00	4.79	9.19	8.25	28.50	6.06	58.30	14.70	0.22	48.20
R_CAR_5	Sediment	2	25.40	0.12	3.55	0.53	12.60	9.40	30.60	7.36	48.90	17.10	1.83	47.30
R_CAR_6_C	Sediment	2	7.64	0.10	1.17	1.34	2.74	2.34	7.57	2.13	12.20	4.44	0.22	11.20
R_DAB_0	Sediment	2	4.56	0.06	0.56	0.53	1.06	0.88	5.19	0.71	8.57	2.17	0.20	6.77
R_DAB_1	Sediment	2	37.50	1.00	0.45	6.00	13.70	11.00	33.10	11.10	59.30	18.00	2.03	52.90
R_DAB_2	Sediment	2	23.60	0.10	3.60	3.37	1.06	6.11	17.90	4.75	29.00	11.70	0.24	26.00
R_DAB_5	Sediment	2	40.00	0.10	6.19	6.19	12.40	11.70	33.70	7.58	54.10	20.60	0.25	49.20
R_DAB_7_C	Sediment	2	59.40	0.10	10.60	10.10	23.80	18.80	54.00	17.20	102.00	36.30	3.24	88.40
R_HOL_0	Sediment	2	9.38	0.11	1.37	0.64	3.79	2.83	9.12	2.45	16.50	4.71	0.56	15.20
R_HOL_1	Sediment	2	10.30	0.11	1.51	2.12	4.38	0.88	11.20	2.74	20.90	4.58	0.83	18.40
R_HOL_3	Sediment	2	6.38	0.10	1.20	1.04	1.06	0.88	6.40	1.63	11.00	3.12	0.35	10.20
R_HOL_4	Sediment	2	28.10	0.12	3.64	5.92	12.90	9.75	33.70	8.77	56.80	16.30	2.14	56.50
R_HOL_7	Sediment	2	40.10	1.48	6.01	7.20	16.50	13.60	44.40	10.10	75.90	20.40	2.52	77.00
R_SAM_0	Sediment	2	12.30	0.12	0.51	0.53	2.98	0.88	9.65	0.71	24.20	1.92	0.26	16.30
R_SAM_1	Sediment	2	15.30	0.10	0.42	1.81	1.06	3.01	9.40	1.29	13.10	6.48	0.20	13.20
R_SAM_3	Sediment	2	18.30	0.11	0.42	0.53	2.52	3.28	11.00	0.71	13.50	7.32	0.23	14.00
R_SAM_4	Sediment	2	12.90	0.10	0.42	1.29	2.39	1.76	7.62	1.39	9.31	4.45	0.26	10.20

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
R_SAM_5	Sediment	2	18.30	0.12	3.01	0.70	6.54	5.62	23.70	0.74	33.90	9.65	1.60	33.00
SCPS_1	Sediment	2	40.90	1.26	0.51	0.70	1.06	0.94	35.80	7.77	58.20	28.30	0.27	57.10
SCPS_10_C	Sediment	2	36.60	1.27	6.57	6.45	10.80	10.50	35.40	7.11	52.50	28.20	2.81	55.30
SCPS_2	Sediment	2	13.10	0.10	0.42	2.17	1.06	3.07	3.09	2.55	18.60	8.66	0.85	18.50
SCPS_3	Sediment	2	4.56	0.11	0.42	0.53	1.06	2.27	7.63	1.91	13.10	5.05	0.16	11.00
SCPS_5	Sediment	2	50.80	1.39	8.65	8.52	14.70	14.80	47.80	9.09	73.50	34.70	0.30	69.80
SJF_10_C	Sediment	2	4.56	0.16	0.42	1.24	1.06	1.93	3.09	0.71	3.80	1.92	0.16	8.97
SJF_3	Sediment	2	12.50	0.38	1.96	1.40	2.37	0.88	3.09	0.71	10.50	5.12	0.16	10.70
SJF_9_C	Sediment	2	19.60	0.61	2.64	2.26	3.20	4.02	10.90	2.05	16.90	9.11	0.83	16.70
SJI_0	Sediment	2	16.20	0.16	2.30	1.53	2.58	0.88	9.49	1.58	13.20	6.66	0.22	13.70
SJI_1	Sediment	2	4.56	0.10	1.78	0.49	1.06	2.12	7.26	0.71	9.10	1.92	0.42	9.32
SJI_20_C_GS	Sediment	2	25.80	0.10	0.42	3.59	5.69	4.52	17.10	2.74	23.10	10.80	1.11	23.50
SJI_3	Sediment	2	4.56	0.10	1.37	0.49	2.53	0.88	7.67	0.71	11.20	1.92	0.63	11.20
SJI_8_C	Sediment	2	4.56	0.10	1.47	1.16	1.57	0.88	3.09	0.71	3.80	4.32	0.16	8.54
SPSB_0	Sediment	2	28.80	1.04	5.69	5.21	9.04	8.74	26.60	0.71	41.50	19.50	1.74	42.80
SPSB_1	Sediment	2	21.30	0.13	0.56	4.74	7.66	0.94	22.20	5.51	38.50	14.70	0.29	37.90
SPSB_2	Sediment	2	29.50	0.13	0.68	0.59	9.13	8.25	27.20	0.71	43.60	18.10	0.33	42.70
SPSB_3	Sediment	2	4.56	0.10	0.42	0.49	2.28	0.88	3.09	1.53	9.86	1.92	0.16	21.20
SPSB_8_C	Sediment	2	4.56	0.10	0.64	0.42	1.06	0.88	3.09	0.71	3.80	1.92	0.16	10.20
SS_0	Sediment	2	21.70	0.13	3.88	0.53	1.06	0.88	23.70	5.62	41.30	14.30	1.28	71.90
SS_1	Sediment	2	4.56	0.10	0.42	0.49	1.06	0.88	2.01	0.71	3.80	1.92	0.16	3.46
SS_2	Sediment	2	15.50	0.10	2.26	0.49	4.50	4.55	14.30	3.83	24.40	8.87	0.24	48.60
SS_8_C	Sediment	2	26.10	0.89	4.14	4.45	8.08	8.45	25.50	6.03	42.60	16.40	1.62	90.00
SS_9_C	Sediment	2	40.90	0.11	6.29	9.28	17.50	15.60	52.80	10.70	85.40	30.00	0.29	178.00
UCS-A	Sediment	2	1020.00	36.10	114.00	160.00	325.00	229.00	817.00	191.00	1180.00	475.00	54.70	1420.00
UCS-B	Sediment	2	730.00	26.00	96.70	144.00	324.00	201.00	789.00	192.00	1220.00	412.00	50.80	1450.00
UCS-C	Sediment	2	713.00	24.50	91.60	144.00	339.00	204.00	815.00	199.00	1250.00	410.00	51.70	1500.00
UMCS-205-Invert	Invertebrate Tiss	1	363.00	14.25	39.20	51.60	104.00	88.10	321.00	76.60	595.00	236.00	30.70	725.00
UMCS-205-Sed	Sediment	2	715.00	23.10	129.00	200.00	467.00	330.00	1060.00	267.00	1590.00	755.00	65.10	2060.00
UMCS-A	Sediment	2	1200.00	24.40	81.60	267.00	850.00	477.00	2200.00	606.00	191.00	861.00	105.00	324.00
UMCS-B	Sediment	2	821.00	19.30	73.60	313.00	864.00	497.00	2090.00	571.00	3180.00	903.00	89.90	3730.00
UMCS-C	Sediment	2	477.00	21.59	67.90	160.00	436.00	239.00	957.00	262.00	1610.00	398.00	45.90	1910.00
US-FLO-Invert	Invertebrate Tiss	1	158.00	13.50	14.10	22.50	34.90	50.90	148.00	50.40	282.00	117.00	16.88	297.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
US-FLO-QA-Invert	Invertebrate Tiss	1	167.00	13.50	12.70	23.80	35.40	56.60	153.00	54.60	303.00	121.00	16.88	320.00
WGNM-Invert	Invertebrate Tiss	1	589.00	17.30	59.90	83.80	194.00	139.00	631.00	120.00	1730.00	328.00	53.60	1580.00
WGNM-Sed	Sediment	2	894.00	27.20	156.00	230.00	725.00	360.00	1650.00	328.00	4710.00	770.00	96.70	4130.00
WS-IS-A	Sediment	2	1180.00	47.60	166.00	206.00	494.00	252.00	1270.00	304.00	2610.00	583.00	74.80	2310.00
WS-IS-B	Sediment	2	2890.00	72.10	287.00	2150.00	5120.00	2470.00	13100.00	1900.00	17600.00	6570.00	689.00	20500.00
WS-IS-C	Sediment	2	726.00	25.00	108.00	200.00	504.00	291.00	1200.00	258.00	2450.00	533.00	68.60	2200.00
LW3-STW-CW10-WR22	stormwater	3	8160.00	304.00	784.00	1690.00	4110.00	2100.00	133.00	1530.00	9120.00	3830.00	583.00	11600.00
LW3-STW-CW20-WR22	stormwater	3	10600.00	396.00	1240.00	2020.00	4810.00	2500.00	151.00	1680.00	10600.00	4590.00	724.00	13500.00
LW3-STW-CW30-WR22	stormwater	3	6660.00	251.00	854.00	1410.00	3520.00	1810.00	106.00	1250.00	7860.00	3360.00	551.00	9970.00
LW3-STW-GW10-WR22-D	stormwater	3	15.72	13.19	4.29	13.40	18.60	14.69	5.60	10.56	13.23	11.30	10.81	21.38
LW3-STW-GW10-WR22-T	stormwater	3	4220.00	135.00	468.00	851.00	1960.00	14.69	4.16	731.00	4050.00	1860.00	280.00	4990.00
LW3-W3026-NB-C	surface water fro	3	9.72	0.49	0.76	1.48	3.53	1.78	7.54	2.14	10.80	3.00	0.12	11.70
LW3-W3026-NB-F	surface water fro	3	5.43	0.08	0.70	1.03	2.36	2.00	7.12	1.52	9.49	4.20	0.44	11.40
LW3-W3026-NS-C	surface water fro	3	11.10	0.55	0.81	1.36	3.54	1.74	8.07	2.13	11.30	3.26	0.13	12.20
LW3-W3026-NS-F	surface water fro	3	5.36	0.21	0.67	1.11	2.40	2.21	7.08	1.67	9.07	3.94	0.43	10.70
LW3-W3037-NB-C	surface water fro	3	2.35	0.09	0.29	0.56	1.54	0.74	3.27	0.85	5.50	1.14	0.14	5.66
LW3-W3037-NB-F	surface water fro	3	1.16	0.08	0.29	0.62	0.99	0.87	3.31	0.67	4.79	1.99	0.12	5.53
LW3-W3037-NS-C	surface water fro	3	2.64	0.11	0.26	0.42	1.33	0.46	2.94	0.78	4.72	1.06	0.10	4.69
LW3-W3037-NS-F	surface water fro	3	1.16	0.08	0.12	0.15	0.43	0.29	1.17	0.28	1.31	0.45	0.06	1.23
LW3-STW-CW20-WR161	stormwater	3	153.00	4.72	118.00	142.00	785.00	175.00	1.22	130.00	4750.00	711.00	205.00	3530.00
LW3-STW-CW30-WR161	stormwater	3	451.00	1.93	238.00	373.00	1160.00	418.00	1.03	266.00	4420.00	1670.00	307.00	4810.00
LW3-STW-CW40-WR161	stormwater	3	160.00	4.15	118.00	141.00	474.00	152.00	0.99	107.00	2240.00	648.00	148.00	2250.00
LW3-STW-GW10-WR161-D	stormwater	3	15.72	13.19	2.22	13.40	18.60	14.69	6.87	10.56	18.34	3.05	15.47	29.83
LW3-STW-GW10-WR161-T	stormwater	3	15.72	8.02	9.56	13.40	32.80	14.69	4.16	10.56	94.10	48.60	10.81	127.00
LW3-STW-GW20-WR161-D	stormwater	3	39.80	8.02	9.60	9.35	12.73	9.67	4.42	8.58	31.13	12.01	6.79	35.32
LW3-STW-GW20-WR161-T	stormwater	3	219.00	13.19	64.10	109.00	253.00	124.00	5.60	83.40	769.00	395.00	55.90	978.00
LW3-STW-CW20-WR123	stormwater	3	9650.00	511.00	1160.00	2790.00	8470.00	3490.00	91.50	2610.00	20000.00	7930.00	1210.00	25100.00
LW3-STW-CW40-WR123	stormwater	3	5550.00	305.00	722.00	2210.00	7700.00	2680.00	79.10	2180.00	18000.00	6170.00	1060.00	22000.00
LW3-STW-CW50-WR123	stormwater	3	834.00	48.20	141.00	300.00	928.00	352.00	1.03	283.00	2240.00	871.00	140.00	2920.00
LW3-STW-GW10-WR123-D	stormwater	3	10.65	13.19	2.22	16.15	18.60	17.65	3.38	14.02	13.23	8.72	13.57	21.38
LW3-STW-GW10-WR123-T	stormwater	3	1290.00	67.60	197.00	597.00	2130.00	740.00	2.57	649.00	5110.00	1620.00	273.00	6220.00
LW3-STW-CW10-WR67-2	stormwater	3	36.20	5.55	4.42	13.40	56.80	14.69	2.03	11.65	123.00	46.40	13.57	153.00
LW3-STW-CW20-WR67	stormwater	3	12.08	4.27	3.32	9.76	12.73	10.10	1.06	9.31	53.10	22.60	7.24	67.50

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
LW3-STW-CW30-WR67	stormwater	3	77.90	4.15	5.85	33.60	23.85	44.70	1.03	28.20	235.00	108.00	6.79	295.00
LW3-STW-CW40-WR67	stormwater	3	15.72	10.96	3.32	14.36	18.60	14.69	4.42	13.24	18.34	6.89	10.81	23.82
LW3-STW-CW60-WR67	stormwater	3	10.65	10.96	4.57	8.78	12.73	9.67	1.76	6.99	28.00	14.20	13.57	36.60
LW3-STW-CW30-SJB	stormwater	3	3360.00	224.00	465.00	911.00	2820.00	1120.00	58.90	895.00	6620.00	2370.00	443.00	7590.00
LW3-STW-CW40-SJB	stormwater	3	153.00	6.21	5.24	36.00	112.00	45.10	1.84	44.00	295.00	96.60	6.79	339.00
LW3-STW-CW50-SJB	stormwater	3	2050.00	131.00	264.00	387.00	1030.00	442.00	4.16	366.00	2400.00	1000.00	159.00	2800.00
LW3-STW-GW10-SJB-D	stormwater	3	124.00	4.15	27.80	8.78	57.30	29.50	0.99	6.99	141.00	59.20	6.53	175.00
LW3-STW-GW10-SJB-T	stormwater	3	1780.00	108.00	342.00	367.00	842.00	379.00	0.35	281.00	1930.00	839.00	145.00	2430.00
WLCT4C07BsnM070324	stormwater	3	652.00	4.15	91.20	449.00	1490.00	625.00	0.99	444.00	3720.00	1120.00	183.00	5450.00
WLCT4C07BsnM070407	stormwater	3	1680.00	4.15	86.60	4110.00	15200.00	4730.00	97.20	2820.00	43300.00	13700.00	2110.00	53000.00
WLCT4C07BsnM070503	stormwater	3	861.00	1.93	98.30	1470.00	5060.00	1710.00	0.99	1020.00	15700.00	5000.00	848.00	19400.00
WLCT4C07BsnQ070324	stormwater	3	1780.00	103.00	228.00	495.00	1370.00	578.00	5.60	442.00	3220.00	1310.00	202.00	4070.00
WLCT4C07BsnQ070407	stormwater	3	727.00	47.90	98.00	186.00	522.00	231.00	0.35	176.00	1290.00	503.00	80.70	1690.00
WLCT4C07BsnR070324	stormwater	3	572.00	33.50	91.60	127.00	283.00	143.00	1.06	82.80	684.00	354.00	48.50	957.00
WLCT4C07BsnR070407	stormwater	3	1700.00	92.00	246.00	345.00	855.00	428.00	2.57	316.00	1890.00	986.00	134.00	2620.00
WLCT4C07BsnR070503	stormwater	3	33500.00	1820.00	7030.00	9110.00	22800.00	10200.00	356.00	7490.00	53700.00	29000.00	4130.00	75300.00
WLCT4C07BsnL070324	stormwater	3	2130.00	114.00	330.00	504.00	1410.00	613.00	26.90	446.00	3540.00	1370.00	230.00	4420.00
WLCT4C07BsnL070503	stormwater	3	2020.00	79.10	348.00	622.00	1460.00	683.00	38.80	487.00	3550.00	1520.00	270.00	4660.00
WLCT4C07BsnL070520	stormwater	3	8270.00	439.00	1150.00	1230.00	2580.00	1390.00	106.00	954.00	5650.00	2970.00	432.00	7590.00
LW3-W3028-NB-C	surface water fro	3	5.25	0.08	0.27	0.75	2.08	0.96	4.38	1.28	7.25	1.98	0.18	6.91
LW3-W3028-NB-F	surface water fro	3	1.16	0.03	0.12	0.20	0.42	0.29	1.19	0.27	1.52	0.72	0.06	1.97
LW3-W3028-NS-C	surface water fro	3	10.00	0.08	0.88	1.58	4.24	2.12	9.35	2.26	13.60	4.35	0.37	15.00
LW3-W3028-NS-F	surface water fro	3	6.93	0.30	1.00	2.45	4.38	3.36	12.90	2.34	15.80	6.50	0.66	20.10
LW3-STW2-CW20-WR218	stormwater	3	404.00	4.15	75.40	169.00	459.00	191.00	0.99	166.00	987.00	402.00	64.40	1500.00
LW3-STW-CW10-WR218	stormwater	3	646.00	2.68	127.00	467.00	1540.00	575.00	0.54	432.00	3240.00	1020.00	166.00	4290.00
LW3-STW-CW20-WR218	stormwater	3	285.00	4.27	51.60	154.00	469.00	174.00	1.06	147.00	979.00	330.00	51.70	1390.00
LW3-W3038-NB-C	surface water fro	3	1.58	0.04	0.20	0.47	1.05	0.41	2.04	0.60	3.53	0.70	0.07	3.32
LW3-W3038-NB-F	surface water fro	3	1.16	0.08	0.27	0.17	0.37	0.29	0.94	0.28	0.62	0.34	0.13	1.48
LW3-W3038-NS-C	surface water fro	3	1.16	0.03	0.12	0.47	1.18	0.52	2.52	0.76	4.02	0.78	0.09	4.17
LW3-W3038-NS-F	surface water fro	3	1.16	0.08	0.21	0.37	0.72	0.70	2.47	0.36	3.51	0.97	0.10	3.86
WLCT4C07BsnT070324	stormwater	3	1640.00	99.50	185.00	375.00	1060.00	436.00	0.99	362.00	2500.00	950.00	150.00	3060.00
WLCT4C07BsnT070407	stormwater	3	766.00	52.60	95.00	164.00	460.00	188.00	0.99	175.00	1010.00	412.00	64.60	1270.00
WLCT4C07BsnT070503	stormwater	3	5760.00	356.00	697.00	1390.00	4280.00	1680.00	148.00	1360.00	10100.00	3640.00	610.00	11900.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
LW3-W3032-NB-C	surface water fro	3	3.18	0.15	0.26	0.45	1.59	0.80	3.57	1.34	6.57	1.03	0.14	5.29
LW3-W3032-NB-F	surface water fro	3	2.20	0.12	0.29	0.52	1.33	0.94	3.88	1.60	7.74	1.76	0.11	6.11
LW3-W3032-NS-C	surface water fro	3	3.45	0.07	0.24	0.45	1.85	0.82	3.90	1.81	7.81	1.01	0.13	5.87
LW3-W3032-NS-F	surface water fro	3	2.09	0.15	0.26	0.47	1.40	0.91	4.08	1.93	8.92	1.63	0.11	5.90
LW3-STW-CW10-OF22	stormwater	3	146.00	0.87	6.27	62.30	210.00	74.00	0.12	70.60	498.00	157.00	28.80	598.00
LW3-STW-CW20-OF22	stormwater	3	492.00	4.15	91.60	179.00	468.00	204.00	1.76	150.00	1190.00	483.00	75.10	1530.00
LW3-STW-CW20-OF22D	stormwater	3	462.00	4.15	89.00	182.00	512.00	215.00	0.64	151.00	1260.00	511.00	83.20	1600.00
LW3-STW-CW30-OF22	stormwater	3	112.00	13.19	31.40	55.10	165.00	65.40	7.39	51.50	372.00	164.00	15.47	570.00
LW3-STW-GW10-OF22-D	stormwater	3	10.65	6.21	2.22	13.40	18.60	14.69	1.76	11.65	13.23	6.89	10.81	21.38
LW3-STW-GW10-OF22-T	stormwater	3	334.00	4.15	80.60	146.00	469.00	163.00	4.42	137.00	1120.00	451.00	68.30	1560.00
LW3-W3034-NB-C	surface water fro	3	2.46	0.05	0.15	0.71	1.46	0.71	3.00	0.85	4.70	1.00	0.11	4.92
LW3-W3034-NB-F	surface water fro	3	1.84	0.05	0.21	0.63	1.14	0.96	3.59	0.80	5.01	1.86	0.18	6.02
LW3-W3034-NS-C	surface water fro	3	2.37	0.06	0.27	0.52	1.49	0.72	3.07	0.91	4.99	1.02	0.11	5.12
LW3-W3034-NS-F	surface water fro	3	1.81	0.05	0.28	0.40	0.93	0.87	2.99	0.78	4.57	1.62	0.11	5.01
IE1567	Sediment	2	16.00	0.68	1.77	5.10	14.00	8.33	12.37	6.01	73.00	24.00	4.14	70.00
IE1568	Sediment	2	19.00	0.68	2.49	4.75	14.00	9.03	39.40	7.24	80.00	24.00	4.82	76.00
IE1569	Sediment	2	20.00	0.43	2.67	3.52	9.84	7.52	33.20	4.89	74.00	21.00	4.35	66.00
IE1570	Sediment	2	71.20	1.70	7.00	12.20	27.30	21.50	79.00	14.60	143.00	42.50	8.55	137.00
IE1571	Sediment	2	29.00	0.72	3.13	6.42	16.00	12.10	47.50	10.80	95.00	28.00	5.95	89.00
IE1572	Sediment	2	25.00	0.68	3.00	4.18	13.00	10.50	40.70	6.16	86.00	26.00	5.52	78.00
IE1573	Sediment	2	26.70	0.82	2.76	5.51	13.90	11.40	46.00	7.92	87.00	26.80	4.40	89.00
IE1574	Sediment	2	283.00	28.00	13.00	37.00	98.00	54.00	206.00	72.00	301.00	119.00	19.00	296.00
IE1575	Sediment	2	329.00	31.00	16.00	27.00	62.00	53.00	152.00	62.00	259.00	104.00	16.00	234.00
IE1576	Sediment	2	157.00	3.14	11.00	85.00	188.00	127.00	509.00	93.00	728.00	328.00	52.00	772.00
IE1577	Sediment	2	178.00	1.03	20.00	49.00	102.00	90.00	287.00	60.00	440.00	165.00	28.00	427.00
IE1578	Sediment	2	174.00	16.90	10.00	16.40	35.90	27.60	94.00	38.00	161.00	54.10	8.42	146.00
IE1579	Sediment	2	2.08	0.68	1.33	2.85	1.68	1.29	6.24	3.29	22.90	2.90	2.20	15.00
IU4814	Sediment	2	259.00	6.70	21.40	53.60	124.00	68.00	319.00	55.80	547.00	167.00	34.40	574.00
IU4815	Sediment	2	400.00	20.30	25.20	85.70	201.00	109.00	468.00	105.00	732.00	260.00	51.40	793.00
IU4816	Sediment	2	351.00	20.30	25.90	43.20	112.00	65.00	276.00	65.40	543.00	179.00	28.40	528.00
IU4817	Sediment	2	334.00	15.80	26.40	43.80	94.10	70.00	247.00	59.00	436.00	175.00	22.80	422.00
IU4818	Sediment	2	188.00	3.70	20.90	69.40	171.00	92.00	443.00	73.00	764.00	256.00	39.00	807.00
IU4819	Sediment	2	160.00	1.45	23.90	59.20	105.00	88.00	333.00	59.20	539.00	204.00	35.90	601.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-066	PCB-067	PCB-077	PCB-082	PCB-084	PCB-085	PCB-086	PCB-088	PCB-090	PCB-105	PCB-107	PCB-110
IU4820	Sediment	2	272.00	2.23	29.90	68.10	114.00	16.57	138.00	10.39	535.00	225.00	44.80	631.00
IU4821	Sediment	2	299.00	6.80	38.30	116.00	263.00	1350.00	259.00	116.00	935.00	394.00	60.40	22.06
IU4822	Sediment	2	273.00	2.41	10.90	65.30	133.00	84.00	135.00	77.80	560.00	227.00	36.20	643.00
IU4823	Sediment	2	563.00	17.20	79.80	110.00	247.00	164.00	537.00	131.00	819.00	311.00	42.40	901.00
IU4824	Sediment	2	674.00	13.90	53.20	190.00	687.00	411.00	1240.00	260.00	2090.00	803.00	115.00	1890.00
IU4825	Sediment	2	115.00	1.45	3.87	32.10	80.50	29.00	191.00	31.50	366.00	115.00	24.70	332.00
IU4826	Sediment	2	198.00	2.41	23.60	33.90	89.80	53.00	207.00	46.00	393.00	148.00	22.90	371.00
IU4827	Sediment	2	291.00	10.90	30.20	41.70	119.00	70.00	278.00	61.00	511.00	202.00	31.30	490.00
IU4828	Sediment	2	288.00	3.30	42.00	60.00	143.00	101.00	390.00	67.00	582.00	67.58	13.32	616.00
IU4829	Sediment	2	255.00	4.60	31.40	70.50	178.00	108.00	440.00	91.20	921.00	348.00	60.90	859.00
IU4830	Sediment	2	326.00	6.00	52.20	167.00	414.00	210.00	1110.00	178.00	1890.00	826.00	126.00	2120.00
IU4831	Sediment	2	383.00	8.20	59.00	306.00	780.00	348.00	2000.00	318.00	3100.00	889.00	150.00	3600.00
IU4832	Sediment	2	258.00	9.50	21.80	45.20	116.00	74.00	299.00	70.40	502.00	165.00	28.60	571.00
IU4833	Sediment	2	240.00	9.40	5.56	14.21	116.00	17.80	278.00	18.28	456.00	155.00	29.60	503.00
IU4834	Sediment	2	172.00	1.20	23.40	48.00	121.00	63.00	301.00	59.00	504.00	159.00	30.40	614.00
IU4835	Sediment	2	325.00	8.70	31.00	64.00	142.00	82.80	340.00	77.80	570.00	179.00	32.90	565.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
LW3-STW2-CW10-WR96	stormwater	3	14.40	3.50	17.10	65.20	1.80	2.10	94.50	1.05	1.64	38.00	33.00	1.58
LW3-STW-CW30-WR96	stormwater	3	31.30	3.50	4.23	95.80	7.52	39.40	152.00	5.38	7.55	51.80	44.50	35.30
LW3-STW-CW40-WR96	stormwater	3	10.20	3.50	9.43	48.30	4.64	2.76	74.30	2.97	4.33	3.34	27.50	4.12
LW3-STW-GW10-WR96-D	stormwater	3	5.10	3.50	2.58	34.70	6.60	7.25	43.60	4.40	6.20	7.96	7.29	5.88
LW3-STW-GW10-WR96-T	stormwater	3	13.10	3.50	10.30	53.30	6.60	7.71	71.50	4.92	6.20	8.82	8.71	6.33
LW3-W3033-2-NB-C	surface water fro	3	0.08	3.05	0.05	0.58	5.08	0.30	1.90	0.05	0.29	2.24	0.89	0.11
LW3-W3033-2-NB-F	surface water fro	3	0.15	5.45	0.11	1.79	12.40	0.63	3.69	0.21	0.28	4.50	1.46	0.37
LW3-W3033-2-NS-C	surface water fro	3	0.11	3.19	0.09	0.56	4.49	0.19	1.63	0.10	0.19	2.21	0.92	0.14
LW3-W3033-2-NS-F	surface water fro	3	0.06	4.52	0.10	1.47	9.96	0.52	3.01	0.07	0.42	3.35	1.16	0.31
LW3-W3033-NB-C	surface water fro	3	0.07	2.80	0.03	0.50	3.63	0.28	1.52	0.05	0.25	1.85	0.73	0.12
LW3-W3033-NB-F	surface water fro	3	0.11	5.31	0.05	1.56	10.30	0.60	3.28	0.20	0.46	3.67	1.29	0.37
LW3-W3033-NS-C	surface water fro	3	0.07	3.05	0.03	0.50	4.09	0.27	1.41	0.10	0.22	1.89	0.78	0.14
LW3-W3033-NS-F	surface water fro	3	0.13	5.24	0.11	1.67	11.00	0.63	3.40	0.09	0.50	3.76	1.28	0.35
060403-FIL-1	Surface Water	3	0.04	1.67	0.02	0.35	2.02	0.12	0.52	0.03	0.08	0.46	0.15	0.11
060403-XAD-1	Surface Water	3	0.02	0.85	0.04	0.08	0.65	0.04	0.18	0.00	0.03	0.20	0.07	0.03
060404-FIL-2	Surface Water	3	0.02	0.93	0.02	0.19	1.39	0.09	0.32	0.02	0.05	0.36	0.10	0.06
060404-XAD-2	Surface Water	3	0.11	0.57	0.03	0.06	0.53	0.03	0.15	0.00	0.03	0.19	0.06	0.01
070910-SPMD1A	Surface Water	3	36.70	1430.00	27.20	239.00	1810.00	125.00	654.00	33.60	146.00	1130.00	409.00	52.40
070910-SPMD1B	Surface Water	3	37.80	1320.00	26.50	215.00	1560.00	98.10	533.00	31.20	119.00	918.00	313.00	36.50
070910-SPMD2A	Surface Water	3	73.70	3060.00	57.20	470.00	3200.00	207.00	935.00	54.90	188.00	1390.00	461.00	101.00
070910-SPMD2B	Surface Water	3	87.20	3050.00	68.50	425.00	3100.00	199.00	958.00	54.40	193.00	1510.00	545.00	115.00
070910-SPMD3A	Surface Water	3	57.20	2140.00	56.80	365.00	2660.00	179.00	792.00	55.50	161.00	1440.00	454.00	60.60
070910-SPMD3B	Surface Water	3	46.40	1860.00	40.20	332.00	2360.00	160.00	708.00	48.10	145.00	1270.00	411.00	60.10
071022-SPMD1A	Surface Water	3	38.30	1270.00	39.60	175.00	1600.00	87.60	567.00	31.70	113.00	1150.00	417.00	45.30
071022-SPMD1B	Surface Water	3	29.90	1130.00	29.20	155.00	1330.00	77.50	477.00	22.30	91.10	885.00	331.00	35.00
071022-SPMD2A	Surface Water	3	80.90	3110.00	64.20	375.00	2550.00	149.00	759.00	34.10	139.00	899.00	332.00	135.00
071022-SPMD2B	Surface Water	3	184.00	6830.00	120.00	674.00	4600.00	271.00	1210.00	57.60	225.00	1200.00	451.00	316.00
071022-SPMD3A	Surface Water	3	33.40	1210.00	36.60	191.00	1440.00	94.90	473.00	29.50	91.20	866.00	291.00	37.10
071022-SPMD3B	Surface Water	3	29.30	1080.00	27.10	171.00	1320.00	83.20	447.00	26.40	83.10	807.00	264.00	30.50
071102-SPMD1A	Surface Water	3	22.90	818.00	20.30	135.00	1060.00	67.10	419.00	19.60	80.20	709.00	251.00	27.30
071102-SPMD1B	Surface Water	3	17.70	581.00	16.20	89.20	775.00	40.30	292.00	12.60	56.10	529.00	188.00	19.40
071102-SPMD2A	Surface Water	3	42.70	1630.00	35.90	219.00	1540.00	94.50	513.00	24.30	95.90	733.00	266.00	72.20
071102-SPMD2B	Surface Water	3	59.60	2220.00	41.00	249.00	1810.00	100.00	558.00	24.80	100.00	681.00	256.00	98.80

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
071102-SPMD3A	Surface Water	3	28.70	1090.00	27.10	165.00	1330.00	78.70	469.00	25.40	88.40	795.00	271.00	35.50
071102-SPMD3B	Surface Water	3	30.90	1140.00	28.90	173.00	1500.00	89.40	500.00	27.00	87.30	846.00	282.00	37.40
08021252XAD	Surface Water	3	0.11	0.36	0.01	0.04	0.29	0.02	0.09	0.00	0.02	0.12	0.04	0.01
08021252XAD-FIL	Surface Water	3	0.02	0.52	0.04	0.13	0.86	0.05	0.21	0.02	0.04	0.21	0.06	0.04
08021354XAD	Surface Water	3	0.11	0.33	0.02	0.04	0.25	0.02	0.08	0.00	0.02	0.11	0.03	0.01
08021354XAD-FIL	Surface Water	3	0.15	0.95	0.04	0.39	4.43	0.16	0.80	0.08	0.18	1.60	0.39	0.07
08022156XAD	Surface Water	3	0.04	0.36	0.01	0.03	0.26	0.02	0.09	0.00	0.02	0.12	0.03	0.01
08022156XAD-FIL	Surface Water	3	0.02	1.07	0.05	0.15	1.00	0.06	0.26	0.02	0.04	0.25	0.07	0.04
08022453XAD	Surface Water	3	0.04	0.50	0.01	0.05	0.38	0.02	0.12	0.00	0.02	0.12	0.04	0.02
08022453XAD-FIL	Surface Water	3	0.08	1.07	0.01	0.34	4.18	0.15	0.74	0.06	0.13	1.19	0.32	0.08
08022555XAD	Surface Water	3	0.11	0.45	0.02	0.04	0.32	0.02	0.10	0.00	0.02	0.13	0.04	0.01
08022555XAD-FIL	Surface Water	3	0.13	0.83	0.04	0.17	1.07	0.07	0.24	0.02	0.04	0.28	0.08	0.04
08022757XAD	Surface Water	3	0.04	0.38	0.04	0.04	0.29	0.02	0.08	0.00	0.02	0.10	0.00	0.01
08022757XAD-FIL	Surface Water	3	0.11	0.74	0.12	0.12	0.81	0.04	0.18	0.01	0.03	0.19	0.05	0.03
08022959XAD	Surface Water	3	0.11	0.49	0.02	0.04	0.35	0.02	0.09	0.00	0.02	0.11	0.03	0.02
08022959XAD-FIL	Surface Water	3	0.36	0.88	0.04	0.14	1.04	0.05	0.21	0.01	0.03	0.25	0.06	0.04
08030460XAD	Surface Water	3	0.25	0.55	0.01	0.05	0.38	0.02	0.09	0.00	0.02	0.13	0.04	0.01
08030460XAD-FIL	Surface Water	3	0.23	1.08	0.02	0.15	1.28	0.06	0.23	0.01	0.03	0.28	0.07	0.05
08030661XAD	Surface Water	3	0.25	0.55	0.04	0.05	0.39	0.02	0.11	0.00	0.02	0.13	0.04	0.02
08030661XAD-FIL	Surface Water	3	0.13	1.22	0.17	0.16	1.11	0.06	0.25	0.02	0.04	0.29	0.07	0.05
08030758XAD	Surface Water	3	0.25	0.59	0.12	0.04	0.38	0.02	0.11	0.00	0.02	0.13	0.04	0.01
08030758XAD-FIL	Surface Water	3	0.57	0.93	0.04	0.13	1.04	0.05	0.20	0.01	0.03	0.24	0.06	0.04
ACOE-BAIT	Bait (used in tra	1	0.25	11.00	0.17	1.49	13.30	0.24	0.99	0.17	0.15	1.12	0.29	0.47
P01-CF	Crayfish	1	6.61	206.00	4.75	3.34	136.00	6.23	1.64	3.90	0.60	7.02	0.68	11.90
P04-CF	Crayfish	1	351.00	3520.00	247.00	132.00	1490.00	13.10	8.32	11.30	2.94	13.20	3.94	698.00
P04-Clam	Clam Tissue	1	445.00	64700.00	1150.00	1220.00	30900.00	488.00	1420.00	80.00	253.00	1440.00	406.00	956.00
P04-Sed	Sediment	2	60.30	2650.00	36.30	445.00	2340.00	142.00	725.00	19.80	105.00	376.00	152.00	178.00
P05-CF	Crayfish	1	355.00	6340.00	206.00	59.70	1250.00	15.70	4.01	32.30	0.99	11.80	3.02	662.00
P05-Clam	Clam Tissue	1	77.40	10300.00	239.00	244.00	5880.00	125.00	272.00	24.90	51.00	362.00	71.90	163.00
P05-Sed	Sediment	2	0.63	29.40	0.61	3.22	20.90	1.10	4.47	0.18	0.73	3.02	1.15	1.23
P06-CF	Crayfish	1	804.00	14000.00	460.00	112.00	3840.00	31.00	3.69	39.50	1.71	8.25	1.79	1770.00
P06-Clam	Clam Tissue	1	126.00	15900.00	293.00	416.00	7400.00	176.00	497.00	35.10	96.00	579.00	143.00	237.00
P06-Sed	Sediment	2	1.60	68.70	1.11	8.59	52.80	2.98	13.00	0.42	1.91	7.66	3.12	3.50

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
P07-CF	Crayfish	1	121.00	4400.00	69.00	28.70	983.00	89.70	3.12	26.80	3.55	34.10	27.80	291.00
P07-Clam	Clam Tissue	1	65.50	12100.00	229.00	231.00	5610.00	112.00	265.00	23.50	50.10	343.00	67.20	164.00
P07-Sed	Sediment	2	2.80	131.00	1.90	14.70	85.90	5.14	25.20	0.87	3.84	18.30	7.76	5.16
P08-CF	Crayfish	1	48.40	847.00	30.20	11.40	260.00	11.20	1.25	5.97	0.91	5.84	1.05	83.30
P08-Clam	Clam Tissue	1	52.50	7970.00	152.00	200.00	4250.00	96.10	223.00	21.90	43.30	323.00	59.20	113.00
P08-Sed	Sediment	2	1.85	92.60	1.44	13.00	74.20	4.29	18.00	0.79	2.73	13.90	4.71	4.31
P09-Sed	Sediment	2	3.27	145.00	2.04	26.50	138.00	9.23	41.80	1.68	6.51	31.40	11.50	7.92
P100-CF	Crayfish	1	4.58	149.00	4.17	2.55	82.10	3.50	1.07	2.30	0.27	4.50	0.66	5.77
P10-Clam	Clam Tissue	1	28.10	4090.00	83.70	130.00	2590.00	65.30	157.00	14.90	28.90	223.00	41.60	65.60
P10-Sed	Sediment	2	1.71	79.40	1.19	14.60	82.50	5.29	21.20	1.07	3.33	19.90	6.15	3.75
P110-CF	Crayfish	1	2.35	87.00	2.56	1.48	44.50	1.77	1.42	0.92	0.69	3.04	0.64	4.13
P110-Clam	Clam Tissue	1	22.80	1590.00	28.00	141.00	1640.00	61.30	162.00	16.70	31.90	270.00	48.90	32.70
P110-Sed	Sediment	2	1.29	65.70	0.96	14.20	91.40	5.75	20.90	1.28	3.04	20.80	6.12	2.52
P110-SP	Sculpin	1	22.00	872.00	16.30	194.00	1130.00	18.20	10.70	16.80	2.28	94.70	9.96	33.10
P111-Sed	Sediment	2	1.37	69.50	0.97	17.30	97.50	6.51	25.30	1.54	3.76	23.50	7.28	3.22
P11-Clam	Clam Tissue	1	23.80	2260.00	46.20	128.00	2080.00	68.50	152.00	17.90	29.00	258.00	41.40	37.90
P11-Sed	Sediment	2	1.17	52.80	0.86	12.60	74.20	4.88	18.90	1.06	2.98	20.00	5.68	3.11
P13-CF	Crayfish	1	3.70	95.50	2.42	1.63	60.40	3.21	0.86	2.55	6.48	211.10	0.43	6.57
P13-Clam	Clam Tissue	1	26.00	2730.00	51.20	145.00	2550.00	78.60	170.00	19.90	32.00	318.00	53.80	43.60
P13-Sed	Sediment	2	0.66	38.40	0.66	6.15	41.10	2.17	7.21	0.52	1.00	9.28	2.32	1.09
P14-CF	Crayfish	1	5.69	112.00	5.81	1.61	54.70	0.99	0.82	1.60	11.11	1.54	0.33	9.31
P14-Clam	Clam Tissue	1	27.40	2870.00	59.50	157.00	2740.00	84.00	181.00	21.20	36.30	333.00	55.70	44.50
P14-Sed	Sediment	2	0.14	6.90	0.11	1.61	9.69	0.62	2.00	0.13	0.34	2.92	0.53	0.26
P15-CF	Crayfish	1	4.07	122.00	3.37	1.91	69.10	3.58	1.00	1.64	0.45	3.26	0.55	5.97
P15-Clam	Clam Tissue	1	23.10	2300.00	47.10	135.00	2070.00	69.40	147.00	17.70	29.20	256.00	41.30	37.50
P15-Sed	Sediment	2	0.97	51.60	0.80	9.53	62.50	3.78	12.00	0.96	1.95	18.90	4.58	1.65
P16-CF	Crayfish	1	6.61	248.00	6.82	2.59	122.00	7.22	0.95	3.42	18.45	7.56	1.05	10.90
P16-Clam	Clam Tissue	1	20.90	2170.00	42.00	114.00	1970.00	61.20	131.00	16.30	26.40	241.00	39.30	37.30
P16-Sed	Sediment	2	0.81	40.80	0.83	9.51	55.90	3.62	12.20	0.84	1.91	15.30	3.86	1.74
P17-CF	Crayfish	1	2.14	82.40	2.11	2.30	44.80	1.47	1.72	1.11	0.46	3.32	0.68	4.34
P17-Clam	Clam Tissue	1	20.20	2080.00	38.40	114.00	1800.00	57.60	129.00	14.80	26.40	246.00	44.20	28.80
P17-Sed	Sediment	2	0.67	27.40	0.46	6.89	39.50	2.56	8.41	0.61	1.25	9.93	2.19	1.22
P18-CF	Crayfish	1	6.10	173.00	5.06	2.21	99.80	4.35	0.87	2.83	0.43	3.24	0.56	10.10

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
P18-Clam	Clam Tissue	1	22.80	2130.00	41.30	122.00	1890.00	58.60	132.00	15.30	26.90	259.00	44.50	33.80
P18-Sed	Sediment	2	0.62	29.00	0.58	5.57	35.50	2.16	6.06	0.56	1.03	8.92	1.92	1.24
P19-CF	Crayfish	1	2.61	111.00	3.11	1.84	73.80	3.33	1.35	1.84	0.49	5.73	0.64	4.72
P20-CF	Crayfish	1	3.61	152.00	3.62	1.60	81.00	3.48	1.36	2.00	30.34	4.19	0.47	6.25
P21-CF	Crayfish	1	3.89	156.00	4.00	2.97	79.10	4.29	1.98	1.95	50.39	6.96	0.87	6.00
P21-Clam	Clam Tissue	1	21.60	2050.00	39.20	118.00	1890.00	57.40	127.00	14.70	24.80	243.00	39.30	30.60
P21-Sed	Sediment	2	0.67	29.90	0.57	7.54	43.30	2.90	10.10	0.74	1.51	11.80	2.83	1.49
P22-CF	Crayfish	1	2.62	52.60	1.93	0.89	23.20	0.61	0.03	0.57	86.36	0.25	0.05	4.35
P22-Clam	Clam Tissue	1	26.70	2420.00	48.40	158.00	2410.00	75.40	175.00	20.50	34.20	320.00	52.50	38.30
P22-Sed	Sediment	2	0.41	22.20	0.19	4.22	29.30	1.70	5.63	0.46	0.81	6.76	1.62	0.93
P24-Clam	Clam Tissue	1	22.80	2220.00	42.30	144.00	2270.00	72.70	161.00	20.20	32.40	314.00	53.90	36.70
P24-Sed	Sediment	2	0.49	22.40	0.20	4.07	31.60	1.71	5.80	0.37	0.76	7.47	1.96	0.85
P26-Clam	Clam Tissue	1	21.30	1910.00	39.00	174.00	2650.00	72.80	169.00	21.40	33.10	352.00	0.05	40.80
P26-Sed	Sediment	2	0.38	20.90	0.20	3.46	25.60	1.35	5.91	0.28	0.71	5.60	1.47	0.79
P27-Clam	Clam Tissue	1	24.20	2130.00	42.10	184.00	2700.00	79.60	172.00	22.20	31.10	325.00	0.05	45.50
P27-Sed	Sediment	2	0.80	64.20	1.22	5.93	65.70	2.39	8.28	0.49	1.18	11.20	2.59	1.41
P28-Clam	Clam Tissue	1	25.80	2660.00	54.00	140.00	2550.00	71.00	162.00	18.80	30.50	305.00	51.70	40.30
P28-Sed	Sediment	2	0.48	22.10	0.20	4.61	32.50	2.05	6.59	0.44	0.95	7.66	1.83	0.88
P29-Clam	Clam Tissue	1	23.60	2140.00	40.30	144.00	2150.00	71.40	160.00	20.00	32.90	316.00	54.10	33.90
P29-Sed	Sediment	2	0.60	28.30	0.20	5.17	36.70	2.12	7.24	0.51	1.10	8.30	2.11	0.96
P33-CF	Crayfish	1	3.20	95.30	2.71	1.84	51.00	1.80	1.18	1.33	0.28	2.61	0.40	5.15
P34-Clam	Clam Tissue	1	24.60	2200.00	38.40	147.00	2210.00	73.60	169.00	19.80	35.10	328.00	56.90	35.20
P34-Sed	Sediment	2	1.63	70.50	0.98	12.70	81.30	4.97	22.60	0.96	3.31	17.90	6.15	3.11
P35-Clam	Clam Tissue	1	29.90	2470.00	46.10	178.00	2590.00	92.30	207.00	25.40	40.00	405.00	70.30	44.10
P35-Sed	Sediment	2	0.38	19.90	0.15	4.08	25.90	1.63	5.81	0.46	0.81	6.04	1.73	0.77
P36-Clam	Clam Tissue	1	27.20	2420.00	43.90	159.00	2240.00	87.20	188.00	24.10	38.80	367.00	63.50	37.30
P36-Sed	Sediment	2	0.37	20.70	0.19	3.88	26.90	1.66	5.23	0.34	0.71	6.18	1.49	0.71
P37-Clam	Clam Tissue	1	24.00	2180.00	41.80	166.00	2170.00	77.90	177.00	20.90	35.70	332.00	58.60	35.60
P37-Sed	Sediment	2	0.35	15.70	0.37	3.49	23.60	1.42	5.15	0.39	0.72	6.69	1.52	0.68
P38/42-CF	Crayfish	1	2.92	107.00	2.45	1.58	58.00	3.30	1.08	1.69	0.49	4.01	0.45	4.02
P38-Clam	Clam Tissue	1	23.30	2140.00	36.80	144.00	2050.00	75.80	171.00	18.80	35.80	321.00	55.20	34.40
P38-Sed	Sediment	2	0.42	35.60	0.66	4.37	38.80	1.94	6.08	0.41	0.89	7.89	1.84	0.84
P39-Clam	Clam Tissue	1	28.70	2520.00	46.90	168.00	2370.00	88.10	202.00	22.30	41.90	376.00	64.40	46.80

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
P39-Sed	Sediment	2	0.34	13.10	0.24	2.89	19.40	1.14	3.73	0.31	0.50	4.23	1.05	0.54
P40-Clam	Clam Tissue	1	30.80	2770.00	53.20	165.00	2440.00	85.20	192.00	22.90	38.90	362.00	60.00	41.80
P40-Sed	Sediment	2	0.35	24.40	0.41	3.29	29.70	1.46	4.40	0.33	0.72	5.98	1.38	0.75
P41-Clam	Clam Tissue	1	33.00	2820.00	50.60	171.00	2470.00	87.70	193.00	23.60	39.10	355.00	59.70	40.20
P41-Sed	Sediment	2	0.28	13.90	0.27	2.72	18.00	1.06	3.06	0.23	0.39	4.03	0.92	0.45
P42-Clam	Clam Tissue	1	28.10	2530.00	43.80	154.00	2260.00	78.30	171.00	20.80	34.50	324.00	53.70	37.30
P42-Sed	Sediment	2	0.15	8.31	0.17	1.49	10.70	0.62	1.74	0.16	0.28	2.28	0.48	0.31
P46-Sed	Sediment	2	0.20	4.09	0.17	0.77	5.95	0.31	0.94	0.23	0.12	1.34	0.27	0.16
P47-Sed	Sediment	2	0.38	13.20	0.27	2.55	15.80	0.93	2.60	0.21	0.43	3.00	0.82	0.67
P48-Sed	Sediment	2	0.24	9.18	0.13	1.90	12.00	0.71	2.42	0.17	0.29	2.63	0.64	0.48
P49-Sed	Sediment	2	0.65	16.70	0.50	3.23	21.90	1.12	5.88	0.30	0.74	6.34	1.72	1.04
P50-Sed	Sediment	2	0.96	45.60	0.87	8.95	69.10	4.02	14.50	0.82	2.14	17.00	4.84	1.96
P51-Sed	Sediment	2	0.32	10.90	0.23	2.12	16.10	0.75	2.06	0.16	0.31	2.48	0.66	0.45
P65-Clam	Clam Tissue	1	29.10	2540.00	43.80	170.00	2610.00	85.70	182.00	23.60	36.30	353.00	58.90	42.50
P65-Sed	Sediment	2	0.43	20.90	0.33	4.96	27.00	1.57	5.46	0.41	0.91	6.77	1.52	0.81
P67-Sed	Sediment	2	0.06	2.71	0.06	0.62	3.67	0.19	0.70	0.47	0.09	0.81	0.20	0.10
P72-CF	Crayfish	1	3.69	95.80	2.47	1.46	59.50	2.94	0.92	1.99	0.23	2.80	0.44	5.78
P73-CF	Crayfish	1	3.51	111.00	3.07	1.46	62.70	3.43	0.96	1.85	0.44	3.23	0.40	5.84
P74-CF	Crayfish	1	3.90	138.00	3.76	2.70	61.40	2.66	1.08	1.21	0.31	2.78	0.43	5.10
P75-CF	Crayfish	1	3.64	157.00	3.72	2.94	78.40	3.00	1.88	1.92	0.67	5.26	0.68	7.00
P76-CF	Crayfish	1	2.52	63.60	1.96	1.19	37.80	1.58	0.66	0.88	0.18	1.67	0.34	3.80
P78-CF	Crayfish	1	2.36	69.70	2.05	0.84	38.90	2.07	0.76	1.14	0.18	2.13	0.44	4.02
P79-CF	Crayfish	1	3.56	122.00	3.26	2.66	74.50	4.19	0.97	2.11	0.44	4.33	0.60	6.47
P82-CF	Crayfish	1	8.15	323.00	7.36	3.35	167.00	8.80	2.19	3.55	0.58	8.38	0.70	14.50
P85-Clam	Clam Tissue	1	27.10	2640.00	50.00	150.00	2270.00	77.80	165.00	20.90	34.10	316.00	53.60	32.60
P85-Sed	Sediment	2	0.54	29.80	0.68	6.20	42.30	2.38	7.65	0.53	1.10	9.54	2.06	1.37
P86-Clam	Clam Tissue	1	24.90	2290.00	41.20	140.00	2060.00	71.30	156.00	17.30	31.10	282.00	50.00	32.60
P86-Sed	Sediment	2	0.33	14.10	0.31	3.91	22.60	1.46	4.89	0.36	0.66	5.80	1.49	0.64
P87-Clam	Clam Tissue	1	24.70	2270.00	40.90	127.00	1990.00	64.10	146.00	16.90	28.60	268.00	44.40	32.60
P87-Sed	Sediment	2	0.34	16.80	0.34	4.82	29.80	1.88	6.15	0.43	0.73	6.80	1.65	0.89
P88-Clam	Clam Tissue	1	28.70	2760.00	52.00	164.00	2650.00	80.90	191.00	21.60	35.30	347.00	60.30	47.80
P88-Sed	Sediment	2	0.27	12.70	0.11	1.75	13.80	0.65	2.33	0.15	0.33	2.94	0.74	0.50
P89-Clam	Clam Tissue	1	27.30	2670.00	54.40	151.00	2430.00	73.90	173.00	19.80	32.40	322.00	55.40	41.90

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
P89-Sed	Sediment	2	0.17	10.00	0.09	1.22	11.00	0.46	1.79	0.12	0.22	2.30	0.58	0.36
P90-CF	Crayfish	1	4.71	264.00	6.45	2.56	67.90	2.09	1.16	0.79	0.36	2.25	0.48	8.45
P91-CF	Crayfish	1	4.17	163.00	3.72	2.85	91.90	4.86	2.32	2.12	0.36	5.58	0.55	5.64
P92-CF	Crayfish	1	2.86	69.70	2.26	1.18	37.30	1.09	0.56	1.01	157.81	1.47	0.39	4.20
P94-CF	Crayfish	1	3.02	112.00	2.91	1.33	40.10	1.45	0.53	1.17	0.18	1.69	0.39	3.77
P98-CF	Crayfish	1	3.47	101.00	3.00	1.30	44.30	1.74	0.58	0.99	0.23	1.73	0.38	4.24
SB-01	Smallmouth Bas	1	92.60	3310.00	55.70	603.00	4320.00	172.00	228.00	83.50	48.60	492.00	87.00	283.00
SB-02	Smallmouth Bas	1	3200.00	#######	1600.00	30800.00	#######	9060.00	38700.00	1460.00	5130.00	19700.00	9020.00	11900.00
SB-03	Smallmouth Bas	1	4040.00	#######	2450.00	21000.00	#######	7720.00	3080.00	1450.00	3170.00	4910.00	247.00	15300.00
SB-04	Smallmouth Bas	1	281.00	8310.00	118.00	2300.00	14000.00	302.00	421.00	208.00	83.20	1220.00	172.00	1100.00
SB-05	Smallmouth Bas	1	106.00	3610.00	63.30	806.00	5220.00	232.00	399.00	96.50	75.30	703.00	118.00	317.00
SB-06	Smallmouth Bas	1	337.00	10800.00	217.00	2500.00	16200.00	1060.00	1910.00	281.00	458.00	2380.00	439.00	1220.00
SB-07	Smallmouth Bas	1	120.00	3750.00	69.50	1240.00	8070.00	268.00	352.00	162.00	76.70	1170.00	166.00	344.00
SB-08	Smallmouth Bas	1	4870.00	#######	1940.00	42000.00	#######	11200.00	23200.00	2110.00	3770.00	19900.00	5920.00	20000.00
SB-09	Smallmouth Bas	1	173.00	6430.00	81.00	1590.00	10400.00	271.00	240.00	175.00	58.60	1090.00	138.00	606.00
SB-10	Smallmouth Bas	1	332.00	10300.00	136.00	2740.00	20400.00	707.00	1180.00	353.00	198.00	2680.00	364.00	997.00
SB-11	Smallmouth Bas	1	65700.00	#######	35600.00	#######	#######	#######	#######	22300.00	63500.00	#######	89500.00	#######
SB-12	Smallmouth Bas	1	1680.00	52400.00	948.00	6640.00	42300.00	1190.00	777.00	519.00	235.00	2070.00	484.00	5410.00
SB-13	Smallmouth Bas	1	4470.00	#######	2070.00	33300.00	#######	5270.00	3870.00	1760.00	1120.00	13300.00	2960.00	19600.00
SB-14	Smallmouth Bas	1	59.40	2420.00	32.30	652.00	4410.00	121.00	100.00	92.00	26.20	539.00	60.10	199.00
SB-15	Smallmouth Bas	1	122.00	4970.00	57.40	1300.00	8540.00	237.00	216.00	140.00	56.70	910.00	117.00	481.00
SB-16	Smallmouth Bas	1	2330.00	92100.00	1200.00	13100.00	81400.00	3050.00	6160.00	862.00	1220.00	6210.00	1870.00	7880.00
SB-17	Smallmouth Bas	1	89800.00	#######	55300.00	#######	#######	#######	#######	27900.00	93900.00	#######	78000.00	#######
SB-18	Smallmouth Bas	1	11200.00	#######	6100.00	67600.00	#######	21000.00	37400.00	4180.00	8960.00	30200.00	8580.00	39500.00
SB-19	Smallmouth Bas	1	115.00	3820.00	75.00	399.00	4700.00	242.00	158.00	122.00	43.60	395.00	50.20	314.00
SF-01	Sculpin	1	44.80	1630.00	22.90	305.00	2040.00	32.60	16.00	37.70	5.45	164.00	16.10	130.00
SF-02	Sculpin	1	162.00	6700.00	61.00	597.00	4800.00	44.20	9.49	107.00	3.43	204.00	12.60	424.00
SF-04	Sculpin	1	3510.00	#######	1660.00	20800.00	#######	3040.00	4080.00	912.00	1330.00	6240.00	1280.00	12800.00
SF-05	Sculpin	1	2890.00	86900.00	920.00	17100.00	91300.00	774.00	1010.00	827.00	233.00	1740.00	493.00	14700.00
SF-06	Sculpin	1	356.00	19300.00	268.00	2510.00	15100.00	577.00	874.00	176.00	200.00	1710.00	453.00	979.00
SF-07	Sculpin	1	55.30	2430.00	32.60	392.00	3090.00	72.70	33.70	61.30	14.40	320.00	34.90	138.00
SF-08	Sculpin	1	73.40	3000.00	37.60	500.00	3700.00	65.20	31.40	70.40	11.60	307.00	32.90	180.00
SF-09	Sculpin	1	32.70	1360.00	21.40	207.00	1550.00	43.80	19.60	34.80	7.45	144.00	16.60	73.30

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
SF-10	Sculpin	1	47.80	2090.00	24.10	476.00	3270.00	78.90	60.40	56.50	20.40	356.00	45.30	140.00
SF-11	Sculpin	1	68.20	2880.00	39.40	347.00	2960.00	37.50	8.62	61.30	3.34	138.00	12.20	163.00
SF-12	Sculpin	1	63.80	3840.00	30.30	834.00	5390.00	183.00	237.00	117.00	59.80	1030.00	129.00	59.60
SF-13	Sculpin	1	21.20	870.00	12.80	190.00	1380.00	30.90	16.80	27.10	5.18	180.00	28.56	47.20
SF-14	Sculpin	1	81.80	3750.00	48.70	670.00	5510.00	98.30	32.10	100.00	14.30	488.00	42.90	180.00
SF-15	Sculpin	1	48.80	1860.00	19.60	401.00	3010.00	19.70	2.82	60.40	1.24	114.00	5.90	95.00
SF-16	Sculpin	1	239.00	7340.00	160.00	335.00	3230.00	65.40	18.50	73.60	6.60	211.00	20.70	602.00
SF-17	Sculpin	1	128.00	4800.00	56.60	877.00	5830.00	103.00	66.60	91.20	17.20	407.00	46.20	366.00
SR-01	Sculpin	1	32.00	1540.00	20.20	361.00	2440.00	54.10	40.00	45.10	11.10	310.00	32.90	76.50
SR-02	Sculpin	1	47.10	2180.00	25.80	450.00	3310.00	56.50	48.50	66.50	13.20	398.00	40.70	94.40
SR-03	Sculpin	1	82.10	3870.00	44.50	803.00	6350.00	76.20	13.80	123.00	7.32	531.00	29.80	179.00
SR-04	Sculpin	1	27.20	1270.00	21.40	319.00	2110.00	79.70	72.10	40.60	19.10	354.00	43.10	62.40
SR-05	Sculpin	1	71.60	3490.00	45.30	840.00	5890.00	124.00	122.00	97.10	29.30	623.00	73.60	172.00
SR-06	Sculpin	1	25.00	1050.00	15.30	271.00	1820.00	45.50	25.70	34.40	7.86	243.00	24.00	57.80
SR-07	Sculpin	1	39.20	1710.00	25.50	366.00	2740.00	81.10	32.40	53.80	12.40	378.00	36.20	64.60
SR-08	Sculpin	1	37.60	1790.00	21.60	367.00	2660.00	71.40	26.30	50.80	9.89	308.00	27.30	73.30
SR-09	Sculpin	1	34.70	1720.00	23.20	353.00	2550.00	72.10	42.40	48.80	13.30	359.00	36.20	64.10
SR-10	Sculpin	1	47.80	2190.00	29.80	465.00	3310.00	93.20	120.00	59.80	25.80	456.00	58.80	106.00
SR-11	Sculpin	1	68.30	3130.00	35.80	682.00	4910.00	95.10	37.80	96.10	12.30	556.00	44.20	150.00
SR-12	Sculpin	1	54.40	2800.00	33.30	550.00	4120.00	88.00	39.50	76.30	14.50	484.00	41.40	132.00
SR-13	Sculpin	1	60.50	2790.00	47.00	614.00	5200.00	101.00	68.60	62.40	24.70	386.00	44.50	168.00
SR-14	Sculpin	1	40.30	1920.00	32.00	391.00	2960.00	127.00	101.00	54.90	327.90	479.00	62.90	76.00
SR-15	Sculpin	1	64.40	3110.00	42.30	570.00	4940.00	48.80	18.00	78.80	5.99	219.00	15.60	163.00
SR-16	Sculpin	1	33.70	1610.00	21.90	344.00	2800.00	56.50	32.10	46.10	933.62	235.00	20.20	80.00
SR-17	Sculpin	1	57.80	2850.00	40.20	653.00	5620.00	102.00	47.50	79.40	17.90	460.00	47.60	146.00
SR-18	Sculpin	1	43.90	1930.00	31.30	519.00	4110.00	102.00	66.90	70.20	19.50	438.00	44.50	105.00
SUCKER	Largescale Suck	1	289.00	10300.00	179.00	2600.00	23400.00	1260.00	2720.00	431.00	442.00	4980.00	739.00	730.00
LW3-W3035-NB-C	surface water fro	3	0.08	4.07	0.07	0.73	6.95	0.36	2.80	0.08	0.47	4.82	1.79	0.18
LW3-W3035-NB-F	surface water fro	3	0.16	8.95	0.06	3.84	33.70	1.60	10.50	0.91	1.92	17.80	5.94	0.54
LW3-W3035-NS-C	surface water fro	3	0.09	5.05	0.04	0.87	10.00	0.46	3.78	0.22	0.64	6.28	2.55	0.19
LW3-W3035-NS-F	surface water fro	3	0.15	7.21	0.06	2.89	23.40	1.13	7.46	0.50	1.16	10.10	3.74	0.53
SB-20	Smallmouth Bas	1	77.00	3300.00	55.40	842.00	5820.00	332.00	646.00	118.00	141.00	1210.00	187.00	174.00
SB-21	Smallmouth Bas	1	72.30	3050.00	47.70	724.00	5250.00	276.00	381.00	108.00	79.60	993.00	134.00	147.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
SB-22	Smallmouth Bas	1	65.20	3010.00	43.50	747.00	5640.00	321.00	529.00	118.00	120.00	1200.00	181.00	125.00
SB-23	Smallmouth Bas	1	29.20	1330.00	24.80	350.00	2430.00	154.00	282.00	52.40	60.70	512.00	75.40	68.90
SB-24	Smallmouth Bas	1	300.00	10200.00	184.00	2030.00	14300.00	632.00	1170.00	323.00	260.00	3100.00	610.00	573.00
SB-25	Smallmouth Bas	1	85.60	3140.00	47.00	713.00	4680.00	282.00	550.00	97.80	137.00	913.00	147.00	178.00
SB-26	Smallmouth Bas	1	68.40	3110.00	53.10	704.00	5240.00	239.00	381.00	111.00	80.50	904.00	131.00	166.00
SB-27	Smallmouth Bas	1	272.00	11800.00	148.00	2400.00	15500.00	405.00	378.00	280.00	84.40	1690.00	178.00	720.00
SB-28	Smallmouth Bas	1	59.90	2580.00	43.00	545.00	4390.00	265.00	406.00	87.20	80.00	834.00	119.00	104.00
SB-29	Smallmouth Bas	1	80.20	3630.00	55.30	551.00	5020.00	246.00	324.00	105.00	65.90	814.00	116.00	151.00
SB-30	Smallmouth Bas	1	123.00	4850.00	81.10	1060.00	7510.00	459.00	922.00	163.00	176.00	1590.00	274.00	245.00
SB-31	Smallmouth Bas	1	145.00	6210.00	104.00	702.00	6520.00	225.00	167.00	134.00	36.70	648.00	74.20	275.00
SB-32	Smallmouth Bas	1	87.20	3740.00	60.60	720.00	5160.00	298.00	532.00	105.00	94.80	936.00	140.00	164.00
SB-33	Smallmouth Bas	1	2910.00	98600.00	1830.00	7850.00	66800.00	3900.00	3600.00	804.00	718.00	2980.00	558.00	8560.00
SB-34	Smallmouth Bas	1	82.60	3650.00	64.80	727.00	5450.00	292.00	476.00	92.10	87.30	914.00	133.00	171.00
SB-35	Smallmouth Bas	1	132.00	5970.00	84.00	1120.00	7870.00	296.00	394.00	145.00	80.10	1070.00	137.00	299.00
SB-36	Smallmouth Bas	1	137.00	5350.00	80.20	1250.00	9990.00	570.00	867.00	194.00	176.00	1870.00	254.00	271.00
SB-37	Smallmouth Bas	1	97.10	4780.00	76.10	849.00	6720.00	303.00	411.00	128.00	85.10	1110.00	151.00	203.00
SB-38	Smallmouth Bas	1	106.00	4460.00	69.10	912.00	6760.00	407.00	640.00	131.00	117.00	1270.00	197.00	218.00
LW3-STW-CW10-WR14	stormwater	3	2.15	3.50	1.33	59.20	1.80	26.40	100.00	1.05	1.64	38.80	35.80	1.58
LW3-STW-CW30-WR14	stormwater	3	1.55	3.50	1.55	5.13	3.54	4.03	7.21	4.40	3.29	4.70	4.20	3.14
LW3-STW-CW40-WR14	stormwater	3	13.90	3.50	10.40	128.00	48.00	53.00	200.00	13.05	39.40	60.20	66.20	45.20
LW3-STW-CW10-OF18	stormwater	3	467.00	3.50	297.00	4540.00	1640.00	1820.00	9240.00	869.00	1840.00	3460.00	3960.00	1580.00
LW3-STW-CW10-OF18-2	stormwater	3	74.10	3.50	86.30	790.00	267.00	343.00	1730.00	163.00	348.00	768.00	836.00	233.00
LW3-STW-CW10-OF19	stormwater	3	21.50	3.50	3.02	190.00	66.30	87.40	403.00	38.10	76.10	181.00	191.00	55.20
LW3-STW-CW10-OF19D	stormwater	3	18.70	3.50	11.80	178.00	55.80	74.90	351.00	32.50	71.80	152.00	158.00	49.50
LW3-STW-CW20-OF18	stormwater	3	72.30	3.50	85.90	677.00	230.00	298.00	1580.00	134.00	285.00	718.00	802.00	230.00
LW3-STW-CW30-OF18	stormwater	3	59.40	3.50	53.20	559.00	185.00	256.00	1200.00	111.00	208.00	588.00	628.00	171.00
LW3-STW-CW30-OF19	stormwater	3	65.90	3.50	43.30	535.00	190.00	224.00	1140.00	108.00	227.00	532.00	541.00	198.00
LW3-STW-CW40-OF19	stormwater	3	8.82	3.50	7.80	104.00	28.90	43.30	183.00	2.21	31.60	78.80	76.40	28.60
LW3-STW-CW40-OF19D	stormwater	3	12.90	3.50	7.85	106.00	36.50	46.30	194.00	7.80	31.60	94.70	18.69	28.10
LW3-STW-GW10-OF18-2-T	stormwater	3	6.63	3.50	7.09	55.20	6.60	7.25	109.00	7.80	6.20	52.90	56.70	5.88
LW3-STW-GW10-OF18-D	stormwater	3	1.55	3.50	1.18	5.13	3.54	4.03	7.21	4.40	3.29	4.70	4.20	5.88
LW3-STW-GW10-OF18-T	stormwater	3	8.13	3.50	9.41	72.90	6.60	32.20	152.00	4.77	6.20	64.40	69.90	5.88
WLCT4C07OF53070324	stormwater	3	48.50	3.50	32.50	385.00	123.00	177.00	631.00	53.70	126.00	247.00	258.00	113.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
WLCT4C07OF53070407	stormwater	3	16.40	3.50	3.19	156.00	49.40	65.20	258.00	27.10	46.20	111.00	115.00	48.60
WLCT4C07OF53070503	stormwater	3	102.00	3.50	5.85	740.00	249.00	313.00	1230.00	131.00	242.00	420.00	494.00	266.00
LW3-STW2-CW10-OF49	stormwater	3	1.55	3.50	2.46	8.38	2.39	4.25	38.40	0.83	2.20	4.70	4.20	3.14
LW3-STW-CW10-OF49	stormwater	3	1.55	3.50	0.93	5.51	2.39	2.90	7.21	1.53	2.20	3.64	3.40	2.18
LW3-STW-CW20-OF49	stormwater	3	2.64	3.50	1.49	8.38	6.60	7.25	40.60	4.40	6.20	7.96	7.29	5.88
LW3-STW2-CW10-OF22B	stormwater	3	78.60	3.50	48.70	610.00	171.00	215.00	1100.00	116.00	213.00	394.00	434.00	224.00
LW3-STW2-CW20-OF22B	stormwater	3	26.60	3.50	22.50	216.00	74.80	81.50	362.00	38.40	74.10	131.00	125.00	77.70
LW3-STW2-CW20-OF22B-	stormwater	3	41.40	3.50	27.60	259.00	83.60	96.70	433.00	42.90	84.50	139.00	149.00	73.20
LW3-STW-CW10-OF22B	stormwater	3	95.20	3.50	69.80	851.00	286.00	354.00	1830.00	159.00	308.00	800.00	893.00	268.00
LW3-STW-CW20-OF22B	stormwater	3	190.00	3.50	94.90	1630.00	495.00	407.00	3110.00	282.00	582.00	1170.00	1200.00	485.00
LW3-STW-GW10-OF22B-D	stormwater	3	1.55	3.50	1.18	5.13	3.54	4.03	11.77	2.21	3.29	4.70	4.20	3.14
LW3-STW-GW10-OF22B-T	stormwater	3	26.80	3.50	17.80	229.00	74.30	100.00	430.00	40.40	73.20	182.00	190.00	77.40
LW3-STW2-CW10-OF22C	stormwater	3	1.55	3.50	1.45	9.05	6.60	7.71	11.77	4.77	6.20	8.82	8.71	6.33
LW3-STW-CW10-OF22C	stormwater	3	2.45	3.50	2.14	8.38	6.60	7.25	11.77	4.40	6.20	7.96	7.29	5.88
LW3-STW-CW10-OF22C-2	stormwater	3	1.55	3.50	1.45	5.51	3.54	4.25	7.21	4.77	3.29	4.70	4.69	3.14
LW3-STW-CW20-OF22C	stormwater	3	1.23	3.50	1.64	8.38	4.64	5.19	11.77	2.97	4.33	7.96	7.29	4.12
LW3-STW-CW20-OF22C-2	stormwater	3	3.18	3.50	3.28	5.51	2.39	2.90	7.21	1.08	2.20	4.70	3.10	1.58
LW3-STW-CW20-WR107	stormwater	3	2.45	3.50	1.73	13.33	6.60	7.71	17.19	3.09	6.20	12.03	7.80	4.12
LW3-STW-CW30-WR107	stormwater	3	2.64	3.50	3.28	39.40	6.60	7.25	58.20	4.40	6.20	29.70	32.30	5.88
LW3-STW-CW40-WR107	stormwater	3	6.88	3.50	0.69	61.60	6.60	7.25	98.80	4.40	6.20	39.80	31.00	5.88
LW3-STW-GW10-WR107-D	stormwater	3	1.55	3.50	1.18	13.33	13.71	15.46	17.19	11.23	13.08	16.24	16.78	12.91
LW3-STW-GW10-WR107-T	stormwater	3	1.55	3.50	1.18	37.50	6.60	7.25	61.70	7.80	6.20	27.60	26.90	5.88
LW3-W3031-NB-C	surface water fro	3	0.05	2.82	0.05	0.56	3.88	0.18	1.51	0.10	0.33	1.10	0.66	0.13
LW3-W3031-NB-F	surface water fro	3	0.06	4.30	0.07	1.26	9.45	0.48	2.44	0.19	0.32	2.79	0.93	0.31
LW3-W3031-NS-C	surface water fro	3	0.05	3.11	0.04	0.68	2.89	0.21	1.13	0.07	0.21	2.45	0.37	0.13
LW3-W3031-NS-F	surface water fro	3	0.07	1.10	0.06	0.28	1.39	0.11	0.46	0.04	0.27	0.48	0.22	0.16
LW3-STW-CW10-WR147	stormwater	3	256.00	3.50	234.00	3660.00	1200.00	1410.00	5780.00	604.00	1040.00	2180.00	2180.00	1280.00
LW3-STW-CW20-WR147	stormwater	3	887.00	3.50	709.00	11400.00	3880.00	4640.00	17900.00	1860.00	3340.00	7490.00	7060.00	4080.00
LW3-STW-CW30-WR147	stormwater	3	176.00	3.50	149.00	2410.00	823.00	948.00	3620.00	372.00	628.00	1400.00	1260.00	811.00
LW3-W3036-NB-C	surface water fro	3	0.06	2.82	0.05	0.29	2.29	0.21	0.96	0.10	0.33	0.97	0.33	0.20
LW3-W3036-NB-F	surface water fro	3	0.17	6.94	0.06	1.78	12.40	0.57	3.02	0.09	0.57	3.37	1.13	0.53
LW3-W3036-NS-C	surface water fro	3	0.06	3.82	0.07	0.54	3.99	0.26	1.35	0.07	0.25	1.75	0.66	0.12
LW3-W3036-NS-F	surface water fro	3	0.06	4.24	0.04	1.12	9.00	0.49	2.32	0.18	0.22	2.42	0.78	0.17

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
LW3-STW2-CW10-H30	stormwater	3	2.72	3.50	14.90	119.00	36.40	47.70	215.00	1.53	37.40	83.10	75.40	47.90
LW3-STW2-CW20-H30B	stormwater	3	23.20	3.50	20.90	153.00	53.60	64.50	283.00	26.80	52.30	111.00	105.00	53.20
LW3-STW2-CW30-H30	stormwater	3	8.80	3.50	2.93	91.30	30.40	35.80	150.00	1.43	29.60	64.00	62.50	2.11
LW3-STW2-CW30-H30B	stormwater	3	42.50	3.50	33.40	319.00	101.00	118.00	532.00	51.80	91.60	208.00	198.00	106.00
LW3-STW2-CW40-H30	stormwater	3	30.00	3.50	23.10	231.00	71.40	81.40	409.00	35.20	65.90	155.00	150.00	70.90
LW3-STW2-CW40-H30B	stormwater	3	17.70	3.50	14.20	145.00	46.20	53.40	267.00	28.40	46.30	94.60	99.60	47.00
LW3-STW2-CW50-H30B	stormwater	3	30.90	3.50	23.00	249.00	76.60	95.60	460.00	40.80	82.60	177.00	175.00	78.60
LW3-W3029-NB-C	surface water fro	3	0.07	3.08	0.05	0.51	3.76	0.15	1.30	0.10	0.24	1.98	0.84	0.07
LW3-W3029-NB-F	surface water fro	3	0.08	3.00	0.05	0.99	6.70	0.37	2.00	0.15	0.30	2.25	0.47	0.19
LW3-W3029-NS-C	surface water fro	3	0.07	3.11	0.04	0.51	3.63	0.24	1.54	0.13	0.22	2.21	0.81	0.12
LW3-W3029-NS-F	surface water fro	3	0.09	3.35	0.08	1.15	6.40	0.43	2.28	0.07	0.22	2.55	0.80	0.27
ST03a-Sed01	Sediment	2	2.33	117.00	2.22	27.80	218.00	13.20	55.40	3.85	9.09	65.80	21.30	6.73
ST04a-Sed01	Sediment	2	15.50	801.00	14.50	199.00	1280.00	82.00	388.00	23.50	70.90	472.00	154.00	38.60
ST04a-Sed101	Sediment	2	13.30	678.00	12.20	182.00	1250.00	78.30	363.00	23.30	65.80	438.00	136.00	35.10
ST04b-Sed01	Sediment	2	3.02	158.00	3.22	38.70	278.00	17.70	74.20	4.95	10.80	89.50	28.30	9.37
ST05a-Sed01	Sediment	2	7.55	392.00	7.26	96.30	661.00	45.70	182.00	14.20	28.70	219.00	67.30	25.50
ST05b-Sed01	Sediment	2	4.12	234.00	5.01	61.10	496.00	31.60	126.00	10.20	19.80	158.00	54.50	14.60
ST07a-Sed01	Sediment	2	0.98	49.30	0.92	12.40	96.40	6.13	24.70	2.02	4.11	33.60	10.80	2.98
ST08a-Sed01	Sediment	2	6.64	304.00	6.20	45.30	379.00	23.40	101.00	7.13	15.70	134.00	39.50	12.40
ST14a-Sed01	Sediment	2	4.35	216.00	4.02	49.30	369.00	22.90	99.20	6.95	17.60	120.00	39.20	11.50
ST15a-Sed01	Sediment	2	1.32	65.10	1.46	13.20	110.00	5.98	25.30	1.95	3.90	33.80	10.30	3.44
ST16a-Sed01	Sediment	2	0.33	6.29	0.34	1.53	11.40	0.73	2.70	0.62	0.47	3.59	1.31	0.39
ST17a-Sed01	Sediment	2	6.22	308.00	5.63	71.00	537.00	34.30	146.00	10.10	23.10	169.00	53.40	15.60
ST18a-Sed01	Sediment	2	3.29	171.00	2.81	53.70	516.00	26.90	147.00	8.55	21.50	245.00	79.90	8.79
ST21a-Sed01	Sediment	2	1.84	99.70	2.43	30.40	223.00	14.90	53.80	4.35	8.09	61.50	22.00	7.54
ST22a-Sed01	Sediment	2	0.46	19.90	0.38	4.03	30.30	1.76	7.04	0.67	1.16	9.37	2.74	0.89
LW3-W3030-NB-C	surface water fro	3	0.10	3.50	0.05	0.78	5.98	0.30	1.97	0.12	0.22	2.74	1.01	0.12
LW3-W3030-NB-F	surface water fro	3	0.10	4.39	0.06	1.64	12.70	0.65	3.28	0.17	0.57	4.23	0.71	0.31
LW3-W3030-NS-C	surface water fro	3	0.12	4.12	0.05	0.78	5.33	0.30	1.90	0.16	0.19	2.71	1.05	0.11
LW3-W3030-NS-F	surface water fro	3	0.25	7.10	0.15	1.86	13.90	0.72	3.75	0.25	0.63	4.40	1.29	0.45
LW3-STW-CW10-OF16	stormwater	3	99.40	3.50	64.60	1420.00	469.00	584.00	2240.00	179.00	363.00	776.00	739.00	393.00
LW3-STW-CW20-OF16	stormwater	3	134.00	3.50	100.00	1410.00	515.00	684.00	2940.00	246.00	514.00	1300.00	1430.00	381.00
LW3-STW-CW30-OF16	stormwater	3	60.30	3.50	32.60	441.00	157.00	195.00	870.00	74.00	155.00	352.00	347.00	141.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
LW3-STW-CW10-OFM1	stormwater	3	1.65	3.50	0.88	29.60	2.39	2.90	54.30	1.43	2.20	3.34	2.93	2.11
LW3-STW-CW10-OFM2	stormwater	3	2.26	3.50	2.14	79.50	6.60	33.30	149.00	4.77	6.20	72.50	71.40	6.12
LW3-STW-CW20-OFM1	stormwater	3	2.64	3.50	10.90	49.70	2.39	2.76	106.00	1.43	2.20	61.40	55.50	2.11
LW3-STW-CW20-OFM1D	stormwater	3	617.00	3.50	332.00	3970.00	1550.00	1940.00	9520.00	929.00	1910.00	4190.00	4130.00	1630.00
LW3-STW-CW20-OFM2	stormwater	3	1.55	3.50	2.44	9.05	10.92	12.47	11.77	8.21	10.37	7.96	7.29	9.79
LW3-STW-CW30-OFM1	stormwater	3	12.50	3.50	8.55	85.70	28.60	37.60	154.00	4.40	29.10	75.30	73.30	27.30
LW3-STW-CW30-OFM1D	stormwater	3	3.18	3.50	2.67	96.10	34.20	39.90	177.00	2.21	28.90	80.30	77.20	29.30
LW3-STW-CW30-OFM2	stormwater	3	1.57	3.50	0.69	41.50	6.60	7.71	81.80	7.80	6.20	34.30	11.90	5.88
LW3-STW-CW40-OFM2	stormwater	3	3.69	3.50	1.81	60.20	9.01	9.72	99.80	6.26	8.53	42.10	40.20	8.06
LW3-STW-CW40-OFM2-2	stormwater	3	6.48	3.50	1.45	49.50	15.62	16.22	89.90	11.81	14.94	39.80	31.50	14.04
AI_1	Sediment	2	0.10	25.40	0.10	5.31	29.20	2.45	8.37	0.20	1.05	8.51	3.15	1.38
AI_11_C	Sediment	2	0.09	3.25	0.15	0.50	5.34	0.37	2.01	0.13	0.26	1.99	0.83	0.21
AI_13_C	Sediment	2	0.11	30.50	0.17	6.81	39.90	2.71	11.20	0.23	1.37	1.90	3.92	1.56
AI_20_C_GS	Sediment	2	0.09	37.70	0.15	7.20	44.40	3.51	11.50	0.20	1.57	12.20	4.03	1.98
AI_5_C	Sediment	2	0.52	28.80	0.41	6.09	35.00	0.36	1.05	0.20	1.08	11.00	3.68	0.21
CPS_0	Sediment	2	6.25	509.00	0.21	114.00	652.00	48.80	184.00	11.40	21.40	179.00	58.90	28.30
CPS_1	Sediment	2	2.32	159.00	1.80	37.80	209.00	15.90	57.50	4.65	7.06	60.70	20.20	7.51
CPS_3	Sediment	2	0.11	130.00	1.62	30.20	169.00	12.60	49.70	3.05	6.58	50.20	17.70	7.07
CPS_4	Sediment	2	0.11	88.80	0.17	19.80	114.00	8.34	29.00	2.03	3.23	31.10	10.50	6.38
CS-Control	Invertebrate Tiss	1	10.57	54.10	24.19	28.80	82.60	14.35	25.87	7.07	6.98	25.30	10.15	12.86
FLO-Sed	Sediment	2	9.86	104.00	9.48	31.40	207.00	15.20	153.97	12.99	43.26	66.80	88.69	35.13
FLO-Sed-Dupe	Sediment	2	9.86	98.40	9.48	26.70	186.00	13.70	45.00	12.99	43.26	56.40	88.69	35.13
HC_1	Sediment	2	0.11	61.90	0.16	12.40	68.90	5.13	17.90	0.20	2.38	20.40	0.60	3.14
HC_2	Sediment	2	0.13	92.10	0.18	18.20	122.00	8.87	28.40	2.65	4.64	41.50	0.84	0.28
HC_3	Sediment	2	1.86	98.90	0.19	17.20	105.00	7.95	7.26	2.60	3.99	31.60	11.00	4.50
HC_6	Sediment	2	2.30	165.00	1.70	31.20	179.00	13.40	47.40	4.18	6.70	56.50	19.40	0.25
LMCS-A	Sediment	2	40.20	2180.00	31.30	421.00	3000.00	207.00	1080.00	44.10	186.00	903.00	381.00	154.00
LMCS-B	Sediment	2	19.40	983.00	17.50	227.00	1720.00	113.00	568.00	28.70	97.20	579.00	221.00	70.20
LMCS-C	Sediment	2	68.40	3150.00	57.10	476.00	3320.00	236.00	1290.00	47.30	241.00	974.00	487.00	170.00
LMCS-Invert	Invertebrate Tiss	1	29.10	1320.00	26.80	275.00	2100.00	110.00	411.00	27.80	63.10	717.00	163.00	58.70
LMCS-Invert-Time zero	Invertebrate Tiss	1	8.58	677.00	23.68	92.60	705.00	45.30	128.00	18.30	6.98	179.00	43.30	12.86
LMCS-Sed	Sediment	2	41.50	1870.00	39.90	430.00	3180.00	219.00	1080.00	45.30	177.00	1010.00	388.00	131.00
LS-A	Sediment	2	32.40	1390.00	30.00	336.00	2430.00	165.00	829.00	39.50	147.00	896.00	367.00	104.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
LS-B	Sediment	2	28.30	1180.00	23.20	288.00	2150.00	144.00	754.00	36.90	125.00	843.00	332.00	108.00
LS-C	Sediment	2	41.30	1690.00	29.10	410.00	2910.00	176.00	811.00	44.40	146.00	863.00	303.00	109.00
LW2-C015-B	sediment	2	866.00	######	626.00	2350.00	808.00	765.00	4190.00	515.00	856.00	2120.00	2050.00	886.00
LW2-C019-C1	sediment	2	892.00	######	592.00	2510.00	865.00	940.00	4360.00	513.00	1000.00	2120.00	2180.00	997.00
LW2-C019-D1	sediment	2	184.00	######	141.00	889.00	206.00	432.00	1890.00	313.00	697.00	1390.00	1650.00	288.00
LW2-C020-B	sediment	2	588.00	######	466.00	2020.00	679.00	822.00	3950.00	500.00	805.00	2130.00	2050.00	764.00
LW2-C022-B	sediment	2	12.20	######	12.50	113.00	30.60	61.00	226.00	39.00	43.80	169.00	134.00	33.40
LW2-C022-C	sediment	2	26.60	######	21.70	297.00	79.90	101.00	594.00	70.60	104.00	324.00	293.00	87.30
LW2-C034-B	sediment	2	8.46	######	11.10	94.50	26.30	43.90	171.00	18.40	28.10	75.00	72.60	28.00
LW2-C277-B	sediment	2	44.80	######	43.60	777.00	175.00	463.00	1960.00	347.00	345.00	1310.00	1090.00	192.00
LW2-C277-D	sediment	2	110.00	######	79.30	1320.00	339.00	804.00	3630.00	635.00	618.00	2710.00	2170.00	307.00
LW2-C282-A	sediment	2	0.80	######	1.10	14.30	7.88	9.08	53.10	12.40	18.90	51.40	47.40	2.27
LW2-C290-B	sediment	2	3.80	######	3.74	58.30	14.80	40.90	174.00	25.60	30.30	128.00	118.00	14.20
LW2-C291-A	sediment	2	11.90	######	9.37	159.00	46.50	87.20	395.00	54.20	84.30	260.00	250.00	42.10
LW2-C291-B	sediment	2	16.50	######	14.90	226.00	51.90	125.00	512.00	72.50	92.90	314.00	286.00	55.00
LW2-C291-C	sediment	2	72.80	######	53.10	4500.00	1030.00	2230.00	14700.00	1220.00	2070.00	6930.00	6600.00	436.00
LW2-C293-C	sediment	2	83.70	######	56.20	1360.00	339.00	1040.00	4580.00	599.00	782.00	3250.00	2900.00	247.00
LW2-C303-B	sediment	2	29.00	######	28.40	355.00	83.60	237.00	954.00	120.00	183.00	595.00	543.00	82.40
LW2-C384-B	sediment	2	25700.00	######	16800.00	#######	72600.00	87900.00	#######	36100.00	73200.00	#######	#######	72100.00
LW2-C384-BD	sediment	2	2760.00	######	1510.00	24600.00	7940.00	12700.00	62400.00	6060.00	11900.00	36400.00	39300.00	6850.00
LW2-C384-C	sediment	2	115.00	######	75.20	948.00	315.00	418.00	1720.00	181.00	346.00	762.00	771.00	327.00
LW2-C393-B	sediment	2	268.00	######	205.00	2690.00	825.00	1140.00	5580.00	756.00	1130.00	3070.00	2880.00	882.00
LW2-C425-B1	sediment	2	20.30	######	16.10	286.00	77.80	167.00	622.00	94.20	108.00	389.00	332.00	73.90
LW2-C425-C1	sediment	2	48.60	######	40.60	459.00	132.00	244.00	1020.00	137.00	185.00	676.00	607.00	131.00
LW2-C425-E1	sediment	2	56.30	######	45.30	572.00	169.00	259.00	1260.00	157.00	230.00	717.00	651.00	166.00
LW2-C430-A	sediment	2	163.00	######	123.00	1860.00	540.00	679.00	3460.00	395.00	620.00	1620.00	1510.00	527.00
LW2-C430-B	sediment	2	52.50	######	47.60	649.00	163.00	343.00	1500.00	252.00	281.00	975.00	880.00	181.00
LW2-C430-C	sediment	2	75.00	######	62.20	987.00	245.00	556.00	2550.00	560.00	501.00	2150.00	1670.00	246.00
LW2-C430-E	sediment	2	247.00	######	173.00	2630.00	728.00	1050.00	5420.00	716.00	1010.00	3020.00	2920.00	645.00
LW2-C524-A	sediment	2	25.90	######	21.40	338.00	104.00	143.00	656.00	81.30	153.00	384.00	381.00	99.50
LW2-G006	sediment	2	16.10	######	17.30	113.00	31.90	41.00	198.00	23.40	36.80	98.50	93.70	34.10
LW2-G008	sediment	2	8.64	######	9.75	86.70	23.10	38.10	159.00	18.80	29.10	82.00	76.40	23.20
LW2-G022	sediment	2	12.00	######	11.50	102.00	28.40	42.00	180.00	21.70	32.30	92.00	85.10	32.40

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
LW2-G030	sediment	2	20.20	######	18.80	150.00	45.50	61.90	278.00	32.00	50.80	139.00	132.00	46.60
LW2-G260	sediment	2	1.43	######	1.88	21.30	5.64	10.90	43.40	5.01	7.99	24.30	22.00	5.75
LW2-G268	sediment	2	41.70	######	48.40	677.00	172.00	329.00	1520.00	171.00	275.00	863.00	813.00	196.00
LW2-G282	sediment	2	258.00	######	277.00	8510.00	3550.00	4180.00	26500.00	5000.00	8560.00	23000.00	21300.00	1840.00
LW2-G282D	sediment	2	94.40	######	119.00	5340.00	2590.00	2820.00	20100.00	4500.00	7690.00	17500.00	16100.00	1110.00
LW2-G295	sediment	2	8.34	######	12.40	294.00	130.00	168.00	942.00	224.00	338.00	1000.00	854.00	95.90
LW2-G295D	sediment	2	8.82	######	11.80	296.00	143.00	182.00	1010.00	251.00	381.00	1070.00	937.00	87.40
LW2-G296	sediment	2	14.80	######	17.40	544.00	253.00	321.00	1920.00	371.00	647.00	1900.00	1770.00	139.00
LW2-G297	sediment	2	11.30	######	22.60	347.00	96.10	190.00	743.00	101.00	135.00	490.00	433.00	101.00
LW2-G303	sediment	2	6.78	######	9.70	290.00	161.00	182.00	1080.00	246.00	422.00	1170.00	1020.00	95.40
LW2-G306	sediment	2	2.25	######	2.69	31.40	7.94	17.60	69.20	8.30	12.10	47.30	40.60	7.88
LW2-G313	sediment	2	61.90	######	59.00	810.00	204.00	431.00	2010.00	235.00	350.00	1210.00	1180.00	186.00
LW2-G393	sediment	2	546.00	######	577.00	69300.00	17700.00	35500.00	#######	19400.00	41900.00	#######	#######	6960.00
LW2-G425	sediment	2	4.68	######	5.05	79.70	22.80	37.70	183.00	19.90	33.10	121.00	103.00	20.10
LW2-G481	sediment	2	9.05	######	8.79	96.50	27.00	40.80	198.00	25.20	37.10	134.00	127.00	26.30
LW2-G484	sediment	2	6.64	######	5.98	78.60	21.30	34.50	180.00	23.30	35.50	126.00	133.00	18.00
LW2-G487	sediment	2	5.09	######	5.96	70.10	21.60	26.30	163.00	20.20	29.30	117.00	123.00	19.60
LW2-G502	sediment	2	7.22	######	18.70	377.00	113.00	175.00	855.00	75.70	162.00	514.00	492.00	109.00
LW2-G505	sediment	2	16.60	######	15.10	86.10	26.20	32.60	163.00	16.90	32.40	79.10	81.50	23.40
LW2-G507	sediment	2	4.29	######	4.57	147.00	42.30	98.50	629.00	65.40	117.00	512.00	640.00	27.40
LW2-GBT016	sediment	2	60.60	######	111.00	13600.00	4250.00	7360.00	58000.00	5300.00	12000.00	46500.00	51000.00	1750.00
LW2-T01 SC	tissue	1	80.30	3610.00	60.40	767.00	7860.00	411.00	811.00	193.00	129.00	1190.00	224.00	186.00
LW2-T01-NOAA SC	tissue	1	33.30	1630.00	37.50	351.00	4010.00	165.00	726.00	74.00	117.00	1290.00	278.00	90.40
LW2-T01-REP1	tissue	1	90.50	4440.00	75.40	1660.00	26900.00	847.00	4900.00	366.00	735.00	7550.00	1700.00	259.00
LW2-T01-REP2	tissue	1	119.00	4060.00	86.00	700.00	7380.00	312.00	935.00	125.00	162.00	1500.00	274.00	237.00
LW2-T01-REP3	tissue	1	72.90	3100.00	61.70	608.00	6920.00	287.00	804.00	129.00	140.00	1400.00	253.00	192.00
LW2-T02 SC	tissue	1	76.70	2520.00	64.70	391.00	3450.00	163.00	594.00	73.80	103.00	940.00	184.00	108.00
LW2-T02-NOAA SC	tissue	1	50.60	1730.00	41.50	337.00	2890.00	143.00	540.00	49.60	88.60	850.00	141.00	107.00
LW2-T02-REP1	tissue	1	110.00	3660.00	82.80	648.00	6890.00	313.00	979.00	128.00	160.00	1530.00	261.00	205.00
LW2-T02-REP2	tissue	1	114.00	3810.00	88.40	865.00	8150.00	398.00	1000.00	125.00	198.00	1600.00	267.00	230.00
LW2-T02-REP3	tissue	1	120.00	4490.00	83.30	864.00	8210.00	374.00	1170.00	140.00	196.00	1890.00	332.00	278.00
LW2-T03 SC	tissue	1	43.90	2220.00	43.90	1010.00	14600.00	514.00	2710.00	262.00	381.00	5000.00	960.00	171.00
LW2-T03-REP1	tissue	1	78.20	4460.00	78.40	1790.00	24000.00	857.00	3600.00	409.00	614.00	7360.00	1250.00	240.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
LW2-T03-REP2	tissue	1	49.60	2500.00	42.50	784.00	11900.00	462.00	1460.00	351.00	270.00	3970.00	568.00	168.00
LW2-T03-REP3	tissue	1	108.00	5880.00	102.00	1500.00	18200.00	741.00	2490.00	386.00	430.00	5030.00	878.00	357.00
LW2-T04 SC	tissue	1	14.70	631.00	12.90	105.00	856.00	49.30	110.00	15.80	16.30	151.00	33.30	35.30
LW2-T04-REP1	tissue	1	18.60	833.00	17.20	157.00	1230.00	65.00	144.00	20.50	23.70	203.00	34.40	43.00
LW2-T04-REP2	tissue	1	33.80	1430.00	27.80	260.00	2000.00	112.00	276.00	34.40	42.60	334.00	65.60	80.90
LW2-T04-REP3	tissue	1	25.60	1080.00	20.30	188.00	1490.00	81.50	179.00	25.20	29.80	234.00	40.10	62.00
LW2-W005 C	surface water fro	3	0.05	1.88	0.06	0.25	2.95	0.15	1.02	0.11	0.25	2.22	0.77	0.06
LW2-W005 F	surface water fro	3	0.05	2.03	0.04	0.61	5.53	0.29	1.70	0.14	0.30	2.64	0.81	0.13
LW2-W011 C	surface water fro	3	0.06	2.45	0.08	0.40	6.27	0.25	1.90	0.21	0.47	4.51	1.55	0.08
LW2-W011 F	surface water fro	3	0.06	2.86	0.05	0.89	11.70	0.50	3.06	0.31	0.64	6.00	1.65	0.20
LW2-W013-1 C	surface water fro	3	0.04	3.12	0.04	0.83	17.20	0.65	5.54	0.78	1.87	18.00	5.68	0.17
LW2-W013-1 F	surface water fro	3	0.08	10.20	0.12	7.84	195.00	6.25	40.00	6.21	12.40	113.00	28.10	2.13
LW2-W013-2 C	surface water fro	3	0.02	2.49	0.04	0.60	16.30	0.52	4.18	0.61	1.52	14.70	4.46	0.16
LW2-W013-2 F	surface water fro	3	0.07	8.23	0.11	5.96	126.00	4.65	30.60	4.30	9.24	85.70	21.10	1.28
LW2-W015 C	surface water fro	3	0.12	4.26	0.11	0.53	5.71	0.34	2.10	0.18	0.36	3.44	1.18	0.12
LW2-W015 F	surface water fro	3	0.77	23.20	0.60	4.17	28.10	1.76	9.86	0.46	1.42	9.95	3.63	1.22
LW2-W016 C	surface water fro	3	0.05	2.28	0.06	0.23	2.16	0.13	0.83	0.06	0.15	1.29	0.47	0.06
LW2-W016 F	surface water fro	3	0.17	6.63	0.14	1.59	13.80	0.74	4.28	0.24	0.64	5.32	1.81	0.37
LW2-W018 C	surface water fro	3	0.06	3.62	0.08	0.51	5.37	0.29	1.99	0.15	0.36	3.58	1.29	0.12
LW2-W018 F	surface water fro	3	0.11	7.37	0.10	2.12	19.90	1.06	6.46	0.47	0.99	9.01	2.89	0.49
LW2-W023 C	surface water fro	3	0.02	0.80	0.04	0.11	0.87	0.05	0.32	0.02	0.06	0.48	0.19	0.02
LW2-W023 F	surface water fro	3	0.11	6.25	0.09	2.86	46.60	1.52	13.80	0.52	1.79	22.80	6.95	0.35
LW2-W2005 C	surface water fro	3	0.07	2.58	0.07	0.32	4.17	0.24	1.48	0.15	0.37	3.25	1.12	0.11
LW2-W2005 F	surface water fro	3	0.08	3.75	0.08	1.11	11.20	0.56	3.17	0.30	0.64	4.94	1.47	0.27
LW2-W2011 C	surface water fro	3	0.08	3.07	0.08	0.34	4.28	0.25	1.41	0.15	0.35	3.36	1.06	0.12
LW2-W2011 F	surface water fro	3	0.16	6.94	0.13	2.07	19.30	1.00	5.34	0.47	1.08	8.11	2.60	0.56
LW2-W2013-1 C	surface water fro	3	0.08	6.10	0.10	1.48	38.20	1.41	12.40	1.68	4.69	45.00	14.10	0.48
LW2-W2013-1 F	surface water fro	3	0.23	38.20	0.10	29.80	662.00	22.00	160.00	20.70	49.00	428.00	106.00	6.87
LW2-W2013-2 C	surface water fro	3	0.04	2.94	0.09	0.80	15.30	0.62	4.86	0.62	1.58	14.70	4.55	0.20
LW2-W2013-2 F	surface water fro	3	0.08	7.41	0.07	5.06	105.00	3.77	25.80	3.64	7.75	63.20	15.80	1.31
LW2-W2015 C	surface water fro	3	0.12	3.76	0.11	0.51	4.91	0.30	1.71	0.15	0.36	2.79	1.02	0.18
LW2-W2015 F	surface water fro	3	0.21	8.02	0.20	1.91	16.50	1.00	5.15	0.38	0.94	6.51	2.11	0.54
LW2-W2016 C	surface water fro	3	0.08	3.03	0.10	0.34	3.41	0.22	1.26	0.11	0.25	2.10	0.76	0.09

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
LW2-W2016 F	surface water fro	3	0.18	6.41	0.16	1.41	11.20	0.68	3.40	0.27	0.57	4.13	1.43	0.40
LW2-W2018 C	surface water fro	3	0.13	9.52	0.13	1.41	20.10	1.00	7.65	0.71	1.52	16.80	5.77	0.35
LW2-W2018 F	surface water fro	3	0.31	23.80	0.31	8.05	95.30	4.60	31.20	2.33	4.98	44.00	15.10	1.77
LW2-W2023 C	surface water fro	3	0.05	1.53	0.07	0.19	1.61	0.11	0.58	0.04	0.10	0.85	0.33	0.05
LW2-W2023 F	surface water fro	3	0.05	2.09	0.06	0.55	4.15	0.26	1.23	0.11	0.21	1.55	0.53	0.13
LW2-W3005 C	surface water fro	3	0.08	3.76	0.09	0.58	6.28	0.38	2.36	0.22	0.50	4.42	1.69	0.15
LW2-W3005 F	surface water fro	3	0.11	5.60	0.08	1.55	12.30	0.68	3.15	0.29	0.56	4.63	1.37	0.33
LW2-W3011 C	surface water fro	3	0.10	4.06	0.11	0.65	6.66	0.38	2.58	0.21	0.52	4.70	1.80	0.15
LW2-W3011 F	surface water fro	3	0.11	5.42	0.06	1.51	12.30	0.65	3.17	0.29	0.53	4.51	1.46	0.32
LW2-W3013-1 C	surface water fro	3	0.05	8.18	0.15	2.74	50.60	1.98	15.80	1.79	5.14	45.40	14.90	0.72
LW2-W3013-1 F	surface water fro	3	0.22	29.60	0.42	19.60	415.00	14.60	91.60	12.00	27.00	246.00	70.70	0.13
LW2-W3013-2 C	surface water fro	3	0.11	10.10	0.17	3.66	72.70	2.78	22.30	2.74	7.40	67.00	21.10	0.97
LW2-W3015 C	surface water fro	3	0.12	4.99	0.13	0.83	7.91	0.26	3.23	0.23	0.60	4.96	1.92	0.21
LW2-W3015 F	surface water fro	3	0.29	9.93	0.27	2.32	20.10	1.18	6.18	0.53	0.93	9.37	3.28	0.62
LW2-W3016 C	surface water fro	3	0.25	7.81	0.24	0.85	7.43	0.48	2.80	0.20	0.53	4.32	1.57	0.22
LW2-W3016 F	surface water fro	3	0.69	20.70	0.61	3.39	26.80	1.52	7.25	0.55	1.17	9.35	3.52	1.08
LW2-W3018 C	surface water fro	3	0.13	8.70	0.22	1.58	14.80	0.86	5.95	0.40	1.10	9.42	3.69	0.36
LW2-W3018 F	surface water fro	3	0.14	8.43	0.15	3.19	27.70	1.60	8.22	0.58	1.30	10.60	3.66	0.21
LW2-W3023 C	surface water fro	3	0.05	3.32	0.08	0.49	4.13	0.23	1.58	0.05	0.33	2.69	1.25	0.08
LW2-W3023 F	surface water fro	3	0.08	3.65	0.05	1.00	7.18	0.39	1.86	0.20	0.29	2.59	0.89	0.21
LW3-C600-B	sediment	2	93.30	######	82.90	430.00	126.00	218.00	887.00	123.00	174.00	428.00	421.00	136.00
LW3-C600-C	sediment	2	171.00	######	145.00	851.00	222.00	456.00	1560.00	255.00	380.00	1110.00	1160.00	268.00
LW3-C600-D	sediment	2	15.90	######	13.80	70.20	18.70	37.50	126.00	18.40	27.10	76.50	77.50	19.90
LW3-C601-B1	sediment	2	80.10	######	63.40	604.00	164.00	336.00	1310.00	177.00	241.00	850.00	780.00	170.00
LW3-C601-B2	sediment	2	70.40	######	54.10	449.00	122.00	252.00	957.00	120.00	183.00	619.00	577.00	123.00
LW3-C602-B	sediment	2	20.00	######	17.80	147.00	37.60	77.20	291.00	47.00	56.90	159.00	149.00	37.10
LW3-C602-C	sediment	2	70.70	######	60.40	486.00	120.00	270.00	1030.00	134.00	195.00	608.00	573.00	138.00
LW3-C602-D	sediment	2	110.00	######	76.80	852.00	214.00	525.00	1820.00	239.00	319.00	902.00	887.00	199.00
LW3-C604-B	sediment	2	22.50	######	20.60	144.00	36.40	75.10	282.00	41.40	55.90	163.00	149.00	39.40
LW3-C604-C	sediment	2	36.70	######	33.20	344.00	90.10	185.00	722.00	97.20	136.00	389.00	375.00	103.00
LW3-C604-D	sediment	2	84.10	######	66.10	699.00	178.00	481.00	1680.00	1490.00	324.00	1860.00	854.00	194.00
LW3-C605-B	sediment	2	24.20	######	19.80	137.00	39.30	60.20	263.00	33.20	50.30	144.00	136.00	37.20
LW3-C605-C	sediment	2	11.90	######	12.10	146.00	35.90	84.50	291.00	40.40	53.80	151.00	139.00	35.20

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
LW3-C605-D	sediment	2	97.30	######	69.20	809.00	208.00	437.00	1750.00	216.00	309.00	820.00	804.00	242.00
LW3-C606-B	sediment	2	4.89	######	5.02	56.30	14.50	35.30	117.00	17.60	22.60	86.90	81.20	15.30
LW3-C606-C	sediment	2	16.10	######	12.90	177.00	46.90	105.00	424.00	72.40	72.00	332.00	295.00	45.50
LW3-C608-B	sediment	2	38.00	######	32.90	392.00	96.70	222.00	855.00	127.00	158.00	509.00	471.00	99.50
LW3-C608-BD	sediment	2	43.50	######	37.30	426.00	107.00	237.00	892.00	134.00	172.00	519.00	481.00	108.00
LW3-C609-B	sediment	2	31.30	######	24.20	438.00	102.00	335.00	1330.00	370.00	225.00	1210.00	881.00	108.00
LW3-C609-C	sediment	2	12.00	######	11.40	370.00	76.30	517.00	1140.00	261.00	187.00	881.00	736.00	63.30
LW3-C609-D	sediment	2	1.66	######	1.98	7.22	2.00	10.20	24.90	3.49	4.52	22.40	26.80	1.96
LW3-C664-B	sediment	2	111.00	######	71.30	1090.00	269.00	792.00	3280.00	473.00	587.00	2600.00	2160.00	272.00
LW3-C664-C	sediment	2	1.78	######	1.98	23.30	6.12	27.20	84.00	17.70	15.20	80.60	58.10	6.59
LW3-C665-B	sediment	2	32.90	######	28.90	500.00	111.00	360.00	1240.00	238.00	225.00	929.00	775.00	114.00
LW3-C665-C	sediment	2	51.90	######	52.90	867.00	210.00	624.00	2330.00	440.00	413.00	1760.00	1450.00	224.00
LW3-C665-D	sediment	2	10.20	######	7.97	118.00	30.20	70.60	334.00	47.40	57.70	219.00	210.00	32.30
LW3-C676-B	sediment	2	40.10	######	38.70	519.00	120.00	393.00	1350.00	283.00	244.00	1200.00	1000.00	115.00
LW3-C678-B	sediment	2	42.80	######	38.30	603.00	152.00	398.00	1460.00	208.00	257.00	917.00	785.00	163.00
LW3-C678-C	sediment	2	51.30	######	48.00	1030.00	243.00	960.00	3350.00	817.00	594.00	2940.00	2130.00	213.00
LW3-C678-D	sediment	2	5.16	######	4.25	209.00	47.90	175.00	723.00	81.10	117.00	452.00	465.00	34.50
LW3-C679-B	sediment	2	24.20	######	19.00	224.00	59.90	130.00	495.00	70.60	89.30	331.00	285.00	59.10
LW3-C679-C	sediment	2	77.30	######	62.70	632.00	160.00	401.00	1440.00	226.00	274.00	835.00	722.00	173.00
LW3-C679-D	sediment	2	180.00	######	122.00	1350.00	373.00	818.00	3170.00	394.00	605.00	1890.00	1660.00	374.00
LW3-C686-B	sediment	2	15.40	######	15.20	207.00	54.40	123.00	475.00	83.80	83.20	300.00	250.00	54.60
LW3-C686-C	sediment	2	1.92	######	1.26	26.90	7.39	12.30	55.10	7.09	10.90	34.20	31.70	7.68
LW3-C688-B	sediment	2	8.62	######	9.29	98.90	26.00	41.90	194.00	25.00	34.70	101.00	93.60	27.70
LW3-C688-C	sediment	2	52.90	######	42.40	425.00	130.00	205.00	926.00	109.00	173.00	508.00	471.00	127.00
LW3-C688-D	sediment	2	171.00	######	117.00	892.00	281.00	444.00	2230.00	221.00	424.00	1120.00	1200.00	249.00
LW3-C688-F	sediment	2	27.40	######	21.30	319.00	85.90	157.00	776.00	81.50	133.00	417.00	434.00	88.10
LW3-C690-B	sediment	2	9.35	######	10.50	117.00	29.60	56.70	236.00	28.10	41.00	121.00	112.00	32.90
LW3-C690-C	sediment	2	27.60	######	22.70	323.00	88.20	172.00	696.00	84.50	125.00	391.00	360.00	81.70
LW3-C690-D	sediment	2	136.00	######	92.00	944.00	279.00	507.00	2160.00	231.00	401.00	1130.00	1140.00	254.00
LW3-C690-E	sediment	2	294.00	######	183.00	1260.00	391.00	678.00	3290.00	329.00	562.00	1930.00	1860.00	352.00
LW3-C702-B	sediment	2	84.90	######	67.00	1250.00	329.00	661.00	2840.00	367.00	537.00	1720.00	1560.00	340.00
LW3-C702-C	sediment	2	124.00	######	104.00	1810.00	470.00	1040.00	4010.00	602.00	759.00	2340.00	2150.00	512.00
LW3-C702-D	sediment	2	25.20	######	20.30	337.00	85.00	201.00	743.00	120.00	139.00	487.00	473.00	89.80

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
LW3-C703-B	sediment	2	36.90	######	31.50	691.00	177.00	547.00	2140.00	505.00	364.00	1690.00	1470.00	173.00
LW3-C703-C	sediment	2	6.37	######	6.51	316.00	65.40	327.00	1360.00	457.00	230.00	1400.00	996.00	49.20
LW3-C708-B	sediment	2	5120.00	######	3290.00	54100.00	15300.00	28300.00	#######	11300.00	21600.00	55800.00	53600.00	15400.00
LW3-C708-BD	sediment	2	4820.00	######	3230.00	58600.00	16300.00	30400.00	#######	12700.00	23600.00	66900.00	63800.00	18400.00
LW3-C708-C	sediment	2	7160.00	######	5200.00	63800.00	18900.00	23800.00	#######	10600.00	21700.00	45700.00	47400.00	23300.00
LW3-C708-D	sediment	2	96.80	######	69.30	1100.00	268.00	608.00	2810.00	316.00	521.00	1590.00	1410.00	334.00
LW3-C712-B	sediment	2	13.50	######	8.79	222.00	51.50	145.00	509.00	75.10	89.60	330.00	301.00	55.10
LW3-C712-C	sediment	2	1.81	######	1.87	19.80	5.09	11.80	35.20	8.16	6.51	22.80	22.80	5.95
LW3-C721-B	sediment	2	16.10	######	14.50	154.00	43.50	83.90	304.00	36.00	51.40	169.00	159.00	46.90
LW3-C721-C	sediment	2	42.50	######	39.30	430.00	110.00	312.00	1100.00	168.00	179.00	860.00	821.00	108.00
LW3-C721-D	sediment	2	40.00	######	36.10	519.00	120.00	347.00	1360.00	185.00	219.00	990.00	915.00	117.00
LW3-C721-E	sediment	2	1.92	######	2.10	28.30	7.49	16.20	54.70	7.77	10.60	34.60	32.40	7.66
LW3-C724-B	sediment	2	82.70	######	67.90	399.00	115.00	191.00	802.00	86.50	143.00	443.00	449.00	119.00
LW3-C738-B	sediment	2	488.00	######	342.00	4520.00	1410.00	2210.00	9780.00	1310.00	1750.00	6290.00	6280.00	1500.00
LW3-C738-C	sediment	2	47.00	######	36.80	888.00	226.00	664.00	3060.00	376.00	481.00	2210.00	2100.00	207.00
LW3-C738-D	sediment	2	1.92	######	1.98	7.99	8.25	12.80	27.10	9.26	5.27	38.20	30.30	8.16
LW3-C738-F	sediment	2	33.80	######	29.90	715.00	179.00	562.00	2350.00	292.00	386.00	1570.00	1480.00	152.00
LW3-C739-B	sediment	2	19.30	######	16.00	259.00	65.60	213.00	918.00	195.00	154.00	868.00	676.00	58.10
LW3-C739-C	sediment	2	33.20	######	27.50	362.00	93.10	228.00	1060.00	223.00	187.00	883.00	712.00	83.40
LW3-C739-CD	sediment	2	23.00	######	15.80	294.00	73.80	210.00	975.00	194.00	168.00	773.00	632.00	60.00
LW3-C739-D	sediment	2	43.70	######	33.00	478.00	124.00	310.00	1260.00	232.00	228.00	839.00	673.00	118.00
LW3-C739-E	sediment	2	143.00	######	115.00	2220.00	565.00	2000.00	10300.00	3640.00	1810.00	11900.00	6770.00	437.00
LW3-C747-B	sediment	2	44.30	######	32.20	390.00	102.00	295.00	1180.00	323.00	226.00	1170.00	880.00	104.00
LW3-C747-C	sediment	2	192.00	######	138.00	916.00	260.00	518.00	2130.00	366.00	402.00	1330.00	1140.00	237.00
LW3-C747-E	sediment	2	25.60	######	19.10	95.40	28.40	63.40	246.00	79.90	68.40	291.00	243.00	36.10
LW3-C752-B	sediment	2	587.00	######	341.00	4630.00	1500.00	1850.00	8960.00	943.00	1730.00	3670.00	3810.00	1560.00
LW3-C752-C	sediment	2	405.00	######	223.00	3540.00	1110.00	1760.00	8230.00	1380.00	1510.00	5620.00	4450.00	1140.00
LW3-C752-D	sediment	2	70.30	######	48.90	809.00	218.00	451.00	2790.00	401.00	545.00	2020.00	1920.00	238.00
LW3-C777-B	sediment	2	1.66	######	1.98	6.18	2.78	6.18	6.43	3.49	4.52	5.59	6.21	2.73
LW3-C779-B	sediment	2	1.43	######	2.10	77.50	17.80	126.00	771.00	357.00	169.00	1210.00	1700.00	16.20
LW3-CA01E-C00D	tissue	1	80.40	5930.00	153.00	464.00	6160.00	241.00	930.00	87.20	195.00	1580.00	424.00	105.00
LW3-CA01E-C01	tissue	1	103.00	7370.00	214.00	651.00	7540.00	327.00	1220.00	115.00	251.00	1870.00	559.00	131.00
LW3-CA01E-C02	tissue	1	90.60	6750.00	172.00	522.00	6030.00	253.00	965.00	92.70	199.00	1610.00	408.00	104.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
LW3-CA02W-C00	tissue	1	46.60	3580.00	72.70	436.00	5510.00	229.00	857.00	89.50	176.00	1570.00	426.00	89.20
LW3-CA02W-C00D	tissue	1	47.70	3870.00	84.60	405.00	5120.00	211.00	804.00	89.50	175.00	1560.00	417.00	77.30
LW3-CA03W-C00	tissue	1	56.10	3990.00	78.40	560.00	6740.00	313.00	1300.00	143.00	279.00	2650.00	720.00	85.50
LW3-CA04W-C00	tissue	1	46.90	3170.00	60.70	443.00	5250.00	245.00	1010.00	116.00	210.00	1790.00	503.00	74.90
LW3-CA05E-C00	tissue	1	51.50	3820.00	69.60	519.00	7340.00	291.00	1310.00	148.00	263.00	2630.00	659.00	96.60
LW3-CA05W-C00	tissue	1	47.80	3580.00	64.20	459.00	5840.00	257.00	1070.00	123.00	220.00	1940.00	522.00	87.60
LW3-CA10W-C00	tissue	1	64.30	5320.00	82.00	557.00	6450.00	259.00	1150.00	101.00	229.00	1900.00	503.00	112.00
LW3-CA10W-C00D	tissue	1	124.00	8510.00	134.00	1040.00	11100.00	473.00	2030.00	158.00	403.00	3050.00	850.00	218.00
LW3-CA11E-C00	tissue	1	46.88	10300.00	103.00	2710.00	68400.00	1600.00	11800.00	1440.00	2140.00	31800.00	7870.00	245.00
LW3-CA11E-C00D	tissue	1	29.61	5330.00	62.30	1310.00	34500.00	843.00	6550.00	866.00	1240.00	17700.00	4340.00	113.00
LW3-CA12E-C00	tissue	1	47.30	3620.00	67.90	571.00	11900.00	316.00	2100.00	204.00	382.00	5100.00	1310.00	72.40
LW3-CA12E-C00D	tissue	1	31.80	2620.00	43.30	381.00	7710.00	219.00	1280.00	126.00	234.00	3040.00	705.00	49.70
LW3-CA12W-C00	tissue	1	34.80	2490.00	45.50	298.00	3080.00	149.00	586.00	51.60	113.00	818.00	209.00	65.10
LW3-CP0004-C10B	tissue	1	340.00	13200.00	266.00	3260.00	27700.00	1340.00	4620.00	533.00	908.00	7880.00	1690.00	926.00
LW3-CP0004-C10F	tissue	1	217.00	9030.00	195.00	2360.00	19400.00	1050.00	3350.00	379.00	631.00	4790.00	993.00	710.00
LW3-CP0004-C20B	tissue	1	395.00	14900.00	366.00	3710.00	33300.00	1670.00	5630.00	659.00	1080.00	9520.00	2170.00	1060.00
LW3-CP0004-C20F	tissue	1	264.00	10600.00	220.00	2680.00	22400.00	1230.00	3860.00	453.00	730.00	5440.00	1240.00	796.00
LW3-CP0004-C30B	tissue	1	287.00	11700.00	200.00	2930.00	32200.00	1460.00	5560.00	556.00	991.00	10400.00	2760.00	709.00
LW3-CP0004-C30F	tissue	1	187.00	8260.00	141.00	2310.00	22000.00	1010.00	3570.00	384.00	643.00	5760.00	1480.00	565.00
LW3-CP0408-C10B	tissue	1	426.00	16400.00	304.00	3220.00	31600.00	1680.00	4750.00	685.00	961.00	8850.00	1810.00	922.00
LW3-CP0408-C10F	tissue	1	241.00	10500.00	219.00	2390.00	23000.00	1200.00	3300.00	497.00	655.00	5640.00	1110.00	654.00
LW3-CP0408-C20B	tissue	1	360.00	16500.00	306.00	4790.00	52700.00	2230.00	8880.00	1070.00	1920.00	16800.00	3940.00	1230.00
LW3-CP0408-C20F	tissue	1	276.00	12400.00	200.00	3640.00	36900.00	1690.00	7870.00	910.00	1610.00	14200.00	3620.00	781.00
LW3-CP0408-C30B	tissue	1	594.00	#######	2360.00	86100.00	#######	61400.00	#######	44800.00	87500.00	#######	#######	22200.00
LW3-CP0408-C30BD	tissue	1	751.00	#######	2780.00	#######	#######	64900.00	#######	44200.00	93700.00	#######	#######	23200.00
LW3-CP0408-C30F	tissue	1	119.80	92100.00	1420.00	70300.00	#######	43500.00	#######	30400.00	66100.00	#######	#######	14600.00
LW3-CP0812-C11B	tissue	1	342.00	15600.00	281.00	4600.00	49400.00	2260.00	8270.00	1090.00	1600.00	16400.00	4050.00	1010.00
LW3-CP0812-C11F	tissue	1	214.00	10300.00	67.56	3640.00	37900.00	1680.00	6920.00	829.00	1170.00	12000.00	2900.00	725.00
LW3-CP0812-C12B	tissue	1	378.00	16000.00	267.00	5310.00	60100.00	2630.00	9910.00	1330.00	2000.00	20700.00	4630.00	1220.00
LW3-CP0812-C12F	tissue	1	213.00	9980.00	170.00	3080.00	35200.00	1420.00	6350.00	766.00	1160.00	11000.00	2610.00	683.00
LW3-CP0812-C20B	tissue	1	666.00	29700.00	473.00	13800.00	#######	7020.00	29300.00	3740.00	5800.00	62500.00	12800.00	3010.00
LW3-CP0812-C20F	tissue	1	307.00	14300.00	198.00	5840.00	75900.00	2710.00	12400.00	1460.00	2180.00	23600.00	5030.00	1210.00
LW3-CP0812-C20FD	tissue	1	313.00	14700.00	187.00	4930.00	73200.00	2780.00	12200.00	1500.00	2210.00	21700.00	4930.00	1160.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
LW3-CP0812-C30B	tissue	1	270.00	12200.00	240.00	5150.00	71600.00	2990.00	10700.00	1330.00	2240.00	21100.00	4980.00	1450.00
LW3-CP0812-C30F	tissue	1	161.00	7000.00	144.00	2100.00	28100.00	1200.00	4300.00	553.00	846.00	7530.00	1790.00	590.00
LW3-CR01E-ALT-C00	tissue	1	17.70	619.00	15.80	15.10	605.00	34.90	15.70	19.50	5.53	59.80	6.18	54.60
LW3-CR01W-C00	tissue	1	18.40	646.00	13.80	18.90	588.00	33.10	18.20	17.00	5.73	48.90	6.18	67.80
LW3-CR05W-C00	tissue	1	50.50	1790.00	35.10	18.80	893.00	63.50	25.00	22.40	6.99	50.70	10.00	152.00
LW3-CR06W-C00	tissue	1	19.80	812.00	16.20	7.79	3160.00	42.30	19.60	97.30	15.70	112.00	24.60	161.00
LW3-CR08W-C00	tissue	1	52.90	1510.00	34.80	25.40	2190.00	72.00	44.70	64.50	12.20	155.00	25.70	156.00
LW3-CR10W-C00	tissue	1	133.00	5230.00	76.20	44.70	4050.00	116.00	42.80	73.40	20.20	153.00	25.80	654.00
LW3-CR10W-C00D	tissue	1	127.00	5020.00	81.30	47.70	3850.00	111.00	40.10	69.80	19.40	145.00	25.20	623.00
LW3-CR11E-C01	tissue	1	503.00	23700.00	261.00	210.00	#######	2710.00	422.00	1910.00	483.00	5120.00	923.00	2380.00
LW3-CR11E-C02	tissue	1	473.00	24000.00	241.00	267.00	#######	2590.00	392.00	1810.00	441.00	4520.00	797.00	2170.00
LW3-CR12E-C00	tissue	1	26.80	1040.00	19.50	13.10	1690.00	48.60	25.10	36.30	6.64	87.50	12.70	98.50
LW3-CR12W-C00	tissue	1	14.60	586.00	11.80	6.54	614.00	24.60	6.78	14.30	2.52	28.80	5.50	52.90
LW3-G600	sediment	2	41.40	######	35.60	190.00	57.50	72.90	327.00	39.10	66.90	185.00	174.00	57.80
LW3-G601	sediment	2	5.13	######	5.04	60.50	14.90	28.50	128.00	18.10	22.90	83.80	75.90	17.20
LW3-G602	sediment	2	10.60	######	9.74	88.10	23.50	36.40	163.00	18.50	30.80	99.40	86.60	23.90
LW3-G603	sediment	2	8.16	######	6.83	75.70	22.30	32.10	145.00	17.60	26.80	87.70	80.40	19.70
LW3-G604	sediment	2	12.20	######	10.20	98.00	26.30	44.30	175.00	22.50	33.20	81.20	74.50	26.90
LW3-G605	sediment	2	9.27	######	9.36	85.00	24.30	40.30	150.00	17.80	30.50	71.60	68.70	22.20
LW3-G606	sediment	2	5.58	######	4.25	53.10	12.70	25.60	99.60	14.10	20.20	51.90	49.60	14.00
LW3-G607	sediment	2	10.30	######	8.05	88.70	24.90	41.30	163.00	19.20	30.40	77.60	77.10	22.20
LW3-G608	sediment	2	18.40	######	15.70	131.00	37.80	57.10	242.00	28.50	46.10	107.00	107.00	38.40
LW3-G609	sediment	2	53.70	######	40.50	597.00	146.00	406.00	1700.00	298.00	302.00	1250.00	1000.00	122.00
LW3-G618	sediment	2	17.10	######	12.10	178.00	55.30	78.80	326.00	37.70	65.10	127.00	131.00	49.50
LW3-G618D	sediment	2	8.65	######	7.77	97.00	27.80	48.00	191.00	25.20	38.80	97.10	93.00	25.80
LW3-G620	sediment	2	6.96	######	6.68	75.20	19.50	32.90	142.00	25.30	26.10	95.20	83.70	19.80
LW3-G624	sediment	2	5.61	######	5.12	63.90	15.80	27.60	127.00	16.50	24.50	87.10	81.20	16.70
LW3-G629	sediment	2	55.40	######	48.40	664.00	166.00	430.00	1610.00	271.00	279.00	1080.00	982.00	155.00
LW3-G631	sediment	2	5.45	######	4.99	66.70	16.00	31.10	134.00	17.50	25.10	79.00	78.50	15.40
LW3-G633	sediment	2	6.23	######	5.77	79.20	21.30	37.60	169.00	23.30	33.10	95.40	92.00	19.30
LW3-G642	sediment	2	0.74	######	1.29	9.20	2.50	7.38	24.60	2.32	5.27	19.80	15.80	2.91
LW3-G644	sediment	2	8.12	######	8.02	124.00	33.90	61.00	277.00	36.20	45.60	188.00	176.00	29.90
LW3-G646	sediment	2	0.74	######	1.29	9.37	2.50	5.00	23.30	1.61	2.14	13.20	12.50	2.91

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
LW3-G664	sediment	2	78.90	######	65.20	1010.00	251.00	633.00	2770.00	423.00	485.00	1990.00	1800.00	249.00
LW3-G666	sediment	2	6.64	######	6.71	81.30	22.70	46.90	163.00	20.60	28.10	103.00	94.80	20.70
LW3-G667	sediment	2	1.61	######	1.29	21.40	6.08	12.80	44.70	5.73	8.05	26.50	25.30	5.56
LW3-G668	sediment	2	4.03	######	4.96	52.90	13.60	37.00	113.00	16.50	19.80	77.30	67.00	16.30
LW3-G673	sediment	2	5.98	######	5.48	63.50	15.40	39.00	124.00	17.50	21.30	85.50	74.20	17.70
LW3-G676	sediment	2	17.40	######	14.20	209.00	53.10	124.00	440.00	69.80	75.70	316.00	299.00	53.60
LW3-G676D	sediment	2	15.50	######	12.80	214.00	52.40	115.00	508.00	71.00	76.00	350.00	330.00	56.40
LW3-G677	sediment	2	0.99	######	1.29	12.10	2.50	3.99	30.50	2.32	5.96	20.40	20.40	2.91
LW3-G681	sediment	2	6.73	######	6.14	70.70	18.80	43.60	168.00	30.40	32.60	150.00	137.00	19.70
LW3-G682	sediment	2	5.51	######	5.86	59.40	16.20	39.50	126.00	17.30	23.50	84.00	79.20	18.10
LW3-G686	sediment	2	7.72	######	6.26	83.90	25.40	44.30	174.00	21.50	29.30	113.00	105.00	25.50
LW3-G687	sediment	2	9.73	######	8.13	84.20	22.90	44.80	173.00	22.80	29.20	113.00	101.00	23.80
LW3-G692-1	sediment	2	13.90	######	14.00	155.00	39.10	76.80	308.00	39.30	54.30	171.00	162.00	40.30
LW3-G692-1D	sediment	2	15.20	######	15.60	167.00	44.70	99.30	343.00	40.70	58.60	175.00	172.00	45.30
LW3-G692-2	sediment	2	11.10	######	11.60	134.00	33.70	74.20	277.00	36.10	45.90	153.00	142.00	37.50
LW3-G692-3	sediment	2	11.90	######	13.70	134.00	34.10	78.50	271.00	34.20	50.10	147.00	142.00	37.40
LW3-G729	sediment	2	4.10	######	4.70	49.90	13.10	28.50	97.50	10.60	16.90	65.60	60.00	14.60
LW3-G732-1	sediment	2	4.90	######	4.46	45.70	11.20	25.70	87.20	10.30	14.60	54.80	49.70	12.90
LW3-G732-2	sediment	2	1.87	######	4.23	45.40	11.80	23.60	87.20	10.20	14.90	55.20	52.00	12.50
LW3-G738	sediment	2	122.00	######	87.70	722.00	199.00	746.00	3360.00	1070.00	613.00	4000.00	2850.00	182.00
LW3-G739	sediment	2	19.20	######	17.50	477.00	118.00	377.00	1960.00	313.00	325.00	1850.00	1630.00	80.30
LW3-G747	sediment	2	3.86	######	7.39	86.50	23.00	46.60	181.00	24.30	33.60	133.00	118.00	31.20
LW3-SB010E-C00B	tissue	1	1060.00	41800.00	580.00	7750.00	80000.00	3290.00	10500.00	1420.00	1990.00	13100.00	3740.00	3550.00
LW3-SB010E-C00F	tissue	1	99.40	4230.00	71.10	904.00	7380.00	323.00	1110.00	141.00	193.00	1300.00	362.00	360.00
LW3-SB010E-C00FD	tissue	1	108.00	4440.00	75.40	958.00	7660.00	346.00	1230.00	155.00	210.00	1350.00	366.00	340.00
LW3-SB010W-C00B	tissue	1	608.00	24200.00	411.00	5410.00	#######	3320.00	6460.00	2540.00	1480.00	31300.00	4630.00	2030.00
LW3-SB010W-C00F	tissue	1	76.30	2500.00	41.80	593.00	12000.00	390.00	657.00	299.00	151.00	2690.00	357.00	240.00
LW3-SB011E-C00B	tissue	1	793.00	75100.00	998.00	24900.00	#######	21700.00	70400.00	11900.00	18900.00	#######	33300.00	5760.00
LW3-SB011E-C00F	tissue	1	86.48	11400.00	126.00	5130.00	#######	3800.00	12800.00	2060.00	3260.00	32800.00	5810.00	1070.00
LW3-SB011W-C00B	tissue	1	804.00	24300.00	372.00	4960.00	59300.00	1960.00	2270.00	1070.00	816.00	10400.00	1590.00	1880.00
LW3-SB011W-C00F	tissue	1	91.30	2780.00	40.40	431.00	7630.00	245.00	246.00	141.00	110.00	1130.00	169.00	235.00
LW3-SB02E-C00B	tissue	1	4830.00	#######	3510.00	13200.00	94800.00	4200.00	10100.00	1360.00	2010.00	18600.00	3870.00	5160.00
LW3-SB02E-C00F	tissue	1	475.00	14600.00	345.00	1470.00	10300.00	495.00	1120.00	148.00	233.00	1800.00	383.00	606.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
LW3-SB03E-C00B	tissue	1	493.00	18200.00	338.00	4080.00	31600.00	1470.00	3930.00	652.00	729.00	7860.00	1440.00	1280.00
LW3-SB03E-C00F	tissue	1	51.30	1900.00	16.30	387.00	3150.00	158.00	402.00	61.90	69.70	705.00	136.00	127.00
LW3-SB03W-C00B	tissue	1	334.00	13100.00	220.00	3080.00	25100.00	1060.00	2520.00	606.00	456.00	6130.00	1130.00	1020.00
LW3-SB03W-C00F	tissue	1	37.00	1310.00	14.95	319.00	2420.00	113.00	254.00	54.00	47.50	540.00	99.30	103.00
LW3-SB04E-C01B	tissue	1	2870.00	#######	1810.00	23700.00	#######	6550.00	18700.00	2540.00	3350.00	32600.00	6630.00	9920.00
LW3-SB04E-C01F	tissue	1	369.00	14600.00	73.67	3550.00	24000.00	889.00	2270.00	292.00	397.00	3300.00	779.00	1420.00
LW3-SB04E-C02B	tissue	1	2840.00	#######	1780.00	24100.00	#######	6600.00	19200.00	2560.00	3490.00	31600.00	6430.00	10400.00
LW3-SB04E-C02F	tissue	1	392.00	14800.00	217.00	3380.00	24000.00	924.00	2520.00	309.00	457.00	3730.00	889.00	1370.00
LW3-SB04W-C00B	tissue	1	471.00	18800.00	344.00	4130.00	36700.00	1520.00	3830.00	866.00	701.00	9280.00	1720.00	1420.00
LW3-SB04W-C00F	tissue	1	51.80	2010.00	42.10	458.00	3710.00	150.00	384.00	83.20	76.20	832.00	145.00	147.00
LW3-SB05W-C00B	tissue	1	470.00	18900.00	311.00	3990.00	34500.00	1260.00	2670.00	729.00	515.00	7210.00	1330.00	1340.00
LW3-SB05W-C00F	tissue	1	46.00	1890.00	31.00	412.00	3220.00	122.00	267.00	74.10	51.50	648.00	131.00	136.00
LW3-SB06E-C00B	tissue	1	536.00	24300.00	367.00	7560.00	#######	3120.00	8530.00	1520.00	1650.00	24200.00	4110.00	1870.00
LW3-SB06E-C00BD	tissue	1	538.00	25500.00	338.00	7630.00	#######	3190.00	8300.00	1610.00	1700.00	25000.00	4150.00	2060.00
LW3-SB06E-C00F	tissue	1	53.80	2360.00	42.70	733.00	9320.00	294.00	828.00	154.00	158.00	2090.00	362.00	196.00
LW3-SB06W-C00B	tissue	1	848.00	30100.00	553.00	3270.00	33500.00	1580.00	2840.00	632.00	589.00	6290.00	1250.00	2140.00
LW3-SB06W-C00F	tissue	1	71.60	2540.00	46.40	283.00	2660.00	126.00	235.00	53.40	47.60	468.00	101.00	192.00
LW3-SB07E-C00B	tissue	1	117.97	29700.00	388.00	9040.00	#######	7170.00	14500.00	5590.00	4190.00	58400.00	8830.00	481.51
LW3-SB07E-C00F	tissue	1	43.01	2620.00	36.60	851.00	20700.00	629.00	1280.00	485.00	408.00	4530.00	740.00	337.00
LW3-SB07W-C00B	tissue	1	963.00	31100.00	634.00	5290.00	59400.00	2380.00	5470.00	1430.00	1030.00	12900.00	2360.00	2150.00
LW3-SB07W-C00F	tissue	1	107.00	3150.00	61.80	530.00	5300.00	225.00	539.00	149.00	105.00	1070.00	208.00	211.00
LW3-SB08E-C00B	tissue	1	367.00	14500.00	243.00	3030.00	37800.00	1320.00	2590.00	900.00	554.00	8760.00	1520.00	1420.00
LW3-SB08E-C00F	tissue	1	43.80	1800.00	32.00	409.00	4500.00	164.00	307.00	103.00	69.10	963.00	166.00	169.00
LW3-SB08W-C00B	tissue	1	805.00	30600.00	513.00	6190.00	62000.00	2670.00	6890.00	1350.00	1290.00	14200.00	2780.00	2540.00
LW3-SB08W-C00F	tissue	1	67.80	2620.00	37.00	578.00	4760.00	221.00	542.00	103.00	98.70	1090.00	220.00	211.00
LW3-SB09E-C00B	tissue	1	368.00	15900.00	256.00	3770.00	51500.00	1710.00	4110.00	976.00	794.00	11900.00	2030.00	1300.00
LW3-SB09E-C00F	tissue	1	45.10	1780.00	33.80	460.00	5440.00	186.00	467.00	103.00	89.70	1260.00	200.00	152.00
LW3-SB09W-C00B	tissue	1	1740.00	60000.00	962.00	10000.00	94500.00	4220.00	11900.00	1820.00	2160.00	21100.00	4200.00	4290.00
LW3-SB09W-C00F	tissue	1	143.00	4950.00	96.30	849.00	7220.00	338.00	912.00	138.00	182.00	1640.00	316.00	352.00
LW3-SP01E-C00	tissue	1	192.00	6800.00	136.00	1220.00	8900.00	218.00	285.00	192.00	66.90	1420.00	232.00	459.00
LW3-SP01W-C00	tissue	1	144.00	5530.00	110.00	1070.00	8010.00	287.00	451.00	171.00	106.00	1720.00	316.00	388.00
LW3-SP03E-C00	tissue	1	185.00	6310.00	85.60	1410.00	10400.00	252.00	265.00	219.00	69.40	1590.00	255.00	488.00
LW3-SP04W-C00	tissue	1	232.00	7720.00	117.00	1400.00	10100.00	201.00	285.00	238.00	67.10	1490.00	239.00	538.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
LW3-SP05E-C00	tissue	1	174.00	6280.00	115.00	1420.00	15600.00	444.00	991.00	359.00	236.00	3940.00	725.00	466.00
LW3-SP06W-C00	tissue	1	172.00	6140.00	110.00	1240.00	9840.00	241.00	406.00	237.00	97.30	1850.00	315.00	472.00
LW3-SP07E-C00	tissue	1	136.00	4860.00	70.20	1800.00	12800.00	210.00	269.00	293.00	66.40	1810.00	214.00	642.00
LW3-SP07W-C00	tissue	1	179.00	6490.00	113.00	1400.00	10900.00	390.00	634.00	290.00	165.00	2930.00	527.00	485.00
LW3-SP08E-C00	tissue	1	240.00	10200.00	137.00	3970.00	44300.00	787.00	1700.00	955.00	357.00	8250.00	1300.00	938.00
LW3-SP08W-C00	tissue	1	569.00	28100.00	400.00	4500.00	31800.00	869.00	1410.00	482.00	329.00	4760.00	834.00	1600.00
LW3-SP09W-C00	tissue	1	583.00	31800.00	470.00	5350.00	40600.00	1110.00	1940.00	616.00	425.00	5930.00	1000.00	2070.00
LW3-SP10E-C00	tissue	1	212.00	7850.00	121.00	1600.00	16500.00	352.00	526.00	355.00	145.00	3160.00	526.00	613.00
LW3-SP10W-C00	tissue	1	138.00	5650.00	117.00	1220.00	12400.00	405.00	744.00	299.00	161.00	3110.00	610.00	410.00
LW3-SP11E-C00	tissue	1	652.00	75800.00	679.00	44000.00	#######	19600.00	#######	10600.00	24000.00	#######	#######	4220.00
LW3-SP12E-C00	tissue	1	180.00	7120.00	83.10	2970.00	38800.00	343.00	509.00	542.00	122.00	8100.00	744.00	554.00
LW3-SP12W-ALT-C01	tissue	1	99.80	3900.00	71.20	813.00	6780.00	120.00	49.23	139.00	31.50	922.00	111.00	322.00
LW3-SP12W-ALT-C02	tissue	1	99.40	3810.00	66.60	800.00	6850.00	118.00	49.23	151.00	36.20	1070.00	110.00	322.00
LW3-STW2-CW10-WR142	stormwater	3	7.10	3.50	4.71	102.00	6.60	31.80	117.00	2.21	6.20	44.20	37.90	32.50
LW3-STW2-CW10-WR4	stormwater	3	7.57	3.50	7.49	108.00	8.74	9.65	134.00	6.70	8.78	45.40	11.90	7.87
LW3-STW2-CW30-WR4	stormwater	3	16.10	3.50	13.00	218.00	65.10	83.10	302.00	29.40	47.70	121.00	98.70	59.10
LW3-STW2-CW40-WR142	stormwater	3	7.12	3.50	5.80	74.40	3.54	4.25	97.00	2.29	3.29	35.80	27.10	3.14
LW3-STW-CW10-WR04	stormwater	3	2.26	3.50	2.76	42.40	6.60	7.25	81.20	4.40	6.20	33.40	33.70	5.88
LW3-STW-CW10-WR142	stormwater	3	1.55	3.50	1.18	5.13	6.60	7.71	31.80	4.40	6.20	7.96	7.29	5.88
LW3-STW-CW10-WR384	stormwater	3	54.10	3.50	38.40	423.00	155.00	176.00	775.00	73.20	144.00	298.00	316.00	150.00
LW3-STW-CW20-H30	stormwater	3	12.90	3.50	12.70	137.00	43.30	51.00	253.00	2.21	43.40	103.00	99.30	37.80
LW3-STW-CW20-WR384	stormwater	3	10300.00	3.50	5650.00	86600.00	26100.00	31100.00	#######	14600.00	29300.00	57000.00	61300.00	28600.00
LW3-STW-CW20-WR4	stormwater	3	1.55	3.50	1.73	28.90	13.71	15.46	58.50	6.57	13.08	27.70	14.76	8.06
LW3-STW-CW30-WR384	stormwater	3	5120.00	3.50	3140.00	40400.00	11700.00	12300.00	73000.00	6890.00	13900.00	21600.00	24400.00	13500.00
LW3-STW-CW30-WR4	stormwater	3	2.26	3.50	4.19	122.00	37.40	59.30	240.00	2.21	40.20	122.00	114.00	31.00
LW3-STW-CW40-WR384	stormwater	3	2470.00	3.50	1530.00	19800.00	5890.00	6630.00	34200.00	3230.00	6460.00	11500.00	12300.00	6290.00
LW3-STW-GW10-WR142-D	stormwater	3	1.55	3.50	1.45	5.13	9.01	7.25	7.21	6.26	8.53	7.96	4.20	8.06
LW3-STW-GW10-WR142-T	stormwater	3	1.55	3.50	2.06	8.38	6.60	7.25	11.77	7.80	6.20	7.96	7.29	5.88
LW3-UG02A	sediment	2	2.38	######	1.51	25.20	4.73	12.50	37.50	3.08	5.37	21.70	19.90	5.69
LW3-UG02C	sediment	2	2.54	######	2.80	22.70	5.55	13.80	31.40	1.61	4.98	16.80	13.50	6.21
LW3-UG02E-1	sediment	2	2.88	######	3.22	29.80	6.76	15.60	42.70	5.32	8.02	21.60	18.40	8.40
LW3-UG02E-2	sediment	2	2.74	######	3.38	26.30	6.49	15.70	39.00	3.10	7.23	19.00	15.40	6.97
LW3-UG03A-1	sediment	2	2.91	######	1.69	24.50	6.61	4.49	38.40	5.65	8.84	20.30	17.40	7.98

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
LW3-UG03A-2	sediment	2	2.26	######	2.71	25.30	5.59	9.07	34.30	2.32	7.36	15.50	4.48	7.12
LW3-UG03A-3	sediment	2	1.70	######	1.60	26.30	6.02	9.32	39.50	5.01	7.56	18.20	14.80	8.49
LW3-UG03B	sediment	2	0.74	######	1.30	7.33	2.50	3.12	10.90	3.10	2.14	5.77	2.27	2.91
LW3-UG04B	sediment	2	1.57	######	1.43	14.60	2.50	9.70	23.50	2.32	2.14	13.00	12.70	2.91
LW3-UG06A	sediment	2	2.29	######	1.94	20.00	2.50	3.99	25.80	2.53	2.50	4.51	11.00	5.85
LW3-UG06B	sediment	2	2.19	######	2.66	21.30	5.34	13.60	33.20	2.32	5.36	14.30	12.60	6.65
LW3-UG11B	sediment	2	0.88	######	1.02	10.40	2.50	4.90	14.80	2.32	2.14	7.49	6.14	2.91
LW3-UG12A	sediment	2	3.34	######	3.36	31.50	5.88	9.03	40.60	2.53	3.68	18.90	14.70	7.96
LW3-UG12B	sediment	2	2.11	######	3.10	26.30	5.97	15.10	36.20	2.32	5.89	19.30	14.60	7.14
LW3-W3005-NB-C	surface water fro	3	0.05	3.22	0.09	0.37	4.11	0.27	1.68	0.05	0.27	2.33	0.87	0.12
LW3-W3005-NB-F	surface water fro	3	0.17	8.46	0.14	2.39	16.10	0.92	5.00	0.31	0.73	4.50	1.48	0.52
LW3-W3005-NS-C	surface water fro	3	0.05	3.34	0.10	0.50	3.93	0.24	1.54	0.08	0.27	2.13	0.90	0.13
LW3-W3005-NS-F	surface water fro	3	0.18	8.11	0.15	2.34	14.40	0.79	4.54	0.25	0.66	3.67	1.24	0.53
LW3-W3011-NB-C	surface water fro	3	0.04	2.52	0.06	0.43	3.56	0.22	1.27	0.04	0.22	2.01	0.77	0.11
LW3-W3011-NB-F	surface water fro	3	0.05	4.37	0.08	1.38	9.07	0.56	2.79	0.21	0.41	2.73	0.90	0.29
LW3-W3011-NS-C	surface water fro	3	0.04	2.86	0.06	0.45	3.75	0.23	1.38	0.10	0.22	2.14	0.87	0.10
LW3-W3011-NS-F	surface water fro	3	0.08	3.65	0.08	1.08	7.26	0.41	2.29	0.17	0.33	2.08	0.72	0.24
LW3-W3023-E-C	surface water fro	3	0.04	2.25	0.08	0.43	4.08	0.20	1.55	0.04	0.24	1.26	0.74	0.10
LW3-W3023-E-F	surface water fro	3	0.07	11.70	0.20	4.39	32.10	1.36	9.70	0.42	1.35	12.00	4.11	0.80
LW3-W3023-M-C	surface water fro	3	0.04	1.64	0.06	0.16	1.66	0.14	0.60	0.04	0.10	0.60	0.22	0.07
LW3-W3023-M-F	surface water fro	3	0.04	1.95	0.05	0.57	3.11	0.20	0.91	0.04	0.11	0.86	0.30	0.12
LW3-W3023-W-C	surface water fro	3	0.04	2.33	0.05	0.34	2.34	0.16	0.87	0.05	0.16	0.76	0.31	0.08
LW3-W3023-W-F	surface water fro	3	0.13	5.73	0.10	1.61	8.94	0.56	2.78	0.12	0.40	2.12	0.74	0.44
LW3-W3024-NB-C	surface water fro	3	0.04	1.63	0.04	0.16	1.45	0.11	0.59	0.03	0.10	0.64	0.21	0.07
LW3-W3024-NB-F	surface water fro	3	0.14	5.79	0.06	1.35	7.83	0.49	2.35	0.11	0.37	1.88	0.67	0.38
LW3-W3024-NS-C	surface water fro	3	0.06	2.07	0.06	0.31	1.95	0.11	0.71	0.06	0.15	0.77	0.30	0.09
LW3-W3024-NS-F	surface water fro	3	0.05	1.93	0.05	0.45	2.53	0.18	0.82	0.03	0.13	0.48	0.25	0.13
LW3-W3025-E-C	surface water fro	3	0.07	8.59	0.06	1.12	8.03	0.47	3.16	0.16	0.51	3.20	1.40	0.38
LW3-W3025-E-F	surface water fro	3	0.32	12.20	0.21	2.92	17.20	1.01	5.22	0.25	0.81	4.30	1.62	0.84
LW3-W3025-M-C	surface water fro	3	0.07	3.25	0.05	0.48	4.16	0.25	1.60	0.12	0.30	2.36	0.87	0.13
LW3-W3025-M-F	surface water fro	3	0.10	3.50	0.04	1.11	7.01	0.40	2.15	0.16	0.36	2.50	0.87	0.24
LW3-W3025-W-C	surface water fro	3	0.03	2.34	0.05	0.36	2.97	0.20	1.11	0.09	0.21	1.53	0.56	0.10
LW3-W3025-W-F	surface water fro	3	0.04	2.89	0.05	0.79	4.82	0.29	1.42	0.05	0.23	1.61	0.55	0.18

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
LW3-W3027-NB-C	surface water fro	3	0.05	2.56	0.05	0.46	4.28	0.25	1.55	0.06	0.19	2.11	0.88	0.09
LW3-W3027-NB-F	surface water fro	3	0.11	4.52	0.05	1.54	10.50	0.56	3.15	0.20	0.47	3.73	1.28	0.33
LW3-W3027-NS-C	surface water fro	3	0.05	2.98	0.05	0.67	4.92	0.20	1.80	0.06	0.33	2.38	1.02	0.12
LW3-W3027-NS-F	surface water fro	3	0.06	4.19	0.07	1.41	9.27	0.51	2.71	0.17	0.44	3.08	1.09	0.29
NCPS_0	Sediment	2	1.99	132.00	0.18	29.70	160.00	11.60	44.50	3.72	0.49	44.30	14.80	8.65
NCPS_1	Sediment	2	0.11	7.85	0.17	1.45	9.30	0.64	2.87	0.20	0.26	3.40	1.07	0.66
NCPS_2	Sediment	2	2.52	174.00	1.83	41.00	242.00	16.90	73.80	4.93	8.94	79.00	27.70	10.20
NCPS_3	Sediment	2	0.11	87.50	0.17	18.80	111.00	8.61	30.20	0.25	3.77	31.80	0.60	0.28
NCPS_4	Sediment	2	0.09	46.80	0.15	10.50	61.30	0.36	17.50	1.28	2.33	16.80	6.08	0.21
PSPS_1	Sediment	2	0.06	128.00	2.25	33.50	196.00	14.50	60.80	4.03	6.39	60.70	20.00	8.26
PSPS_2	Sediment	2	0.06	48.10	0.16	13.00	74.50	5.83	24.50	0.20	2.96	23.70	8.25	0.22
PSPS_3	Sediment	2	0.10	20.20	0.15	4.05	27.70	0.71	8.43	0.24	0.45	10.30	0.60	0.28
PSPS_8	Sediment	2	0.09	9.46	0.15	2.12	14.80	0.36	4.68	0.20	0.61	5.73	1.94	0.53
PSPS_9	Sediment	2	0.11	17.30	0.17	4.55	28.70	0.48	8.28	0.20	0.33	10.40	3.22	0.25
R_CAR_0	Sediment	2	0.09	14.30	0.15	3.38	18.50	0.36	4.61	0.20	0.58	5.60	1.84	0.21
R_CAR_1	Sediment	2	0.09	11.90	0.15	2.68	16.30	0.90	4.48	0.20	0.21	5.08	1.88	0.21
R_CAR_4	Sediment	2	0.11	42.10	0.16	11.90	79.30	5.32	22.00	0.20	2.92	27.70	8.28	2.42
R_CAR_5	Sediment	2	0.98	44.30	0.90	8.99	61.10	4.56	17.20	0.21	2.32	20.80	7.27	0.25
R_CAR_6_C	Sediment	2	0.10	11.50	0.16	0.50	15.30	1.19	1.05	0.20	0.21	1.90	1.68	0.21
R_DAB_0	Sediment	2	0.10	5.38	0.15	1.12	8.47	0.36	2.54	0.20	0.26	3.24	1.17	0.21
R_DAB_1	Sediment	2	0.11	49.60	0.17	12.10	70.70	5.24	17.00	0.20	0.33	24.40	8.48	0.25
R_DAB_2	Sediment	2	0.11	27.30	0.17	6.17	35.90	2.80	9.96	0.20	1.39	12.70	0.64	2.09
R_DAB_5	Sediment	2	1.11	52.10	0.93	11.50	69.10	5.30	19.40	0.20	2.89	23.60	7.31	0.21
R_DAB_7_C	Sediment	2	1.33	85.90	1.36	22.20	133.00	9.46	33.50	2.93	6.08	49.90	17.50	6.56
R_HOL_0	Sediment	2	0.09	13.30	0.15	2.88	16.70	1.26	4.86	0.20	0.69	6.09	2.22	0.21
R_HOL_1	Sediment	2	0.09	14.10	0.15	3.31	19.00	1.47	5.24	0.20	0.60	6.91	2.31	0.21
R_HOL_3	Sediment	2	0.09	8.81	0.15	1.96	11.80	0.29	3.64	0.26	0.14	4.53	1.43	0.21
R_HOL_4	Sediment	2	0.11	43.10	0.17	9.79	59.10	4.99	19.40	0.20	2.40	19.60	7.89	3.06
R_HOL_7	Sediment	2	0.19	55.50	0.16	11.90	72.50	5.74	22.70	1.79	0.37	24.80	8.72	0.25
R_SAM_0	Sediment	2	0.11	11.30	0.17	2.27	22.30	0.48	1.16	0.11	1.58	16.00	7.66	0.25
R_SAM_1	Sediment	2	0.10	14.80	0.23	2.78	15.40	1.24	3.96	0.20	0.33	1.90	0.60	0.25
R_SAM_3	Sediment	2	0.11	16.00	0.17	0.61	17.40	1.12	4.36	0.20	0.26	1.90	1.50	0.70
R_SAM_4	Sediment	2	0.11	10.10	0.17	0.61	11.30	0.36	1.05	0.20	0.26	1.90	1.13	0.21

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
R_SAM_5	Sediment	2	0.11	28.70	0.17	0.84	44.10	2.53	15.70	0.25	0.45	13.10	0.74	0.28
SCPS_1	Sediment	2	0.16	73.60	0.17	15.50	101.00	6.49	28.30	1.65	0.37	30.70	9.27	0.25
SCPS_10_C	Sediment	2	1.11	70.50	1.03	14.30	81.40	5.86	22.20	1.30	2.79	21.00	7.13	3.30
SCPS_2	Sediment	2	0.10	22.50	0.54	4.80	27.30	1.90	7.79	0.20	0.29	7.10	2.62	0.21
SCPS_3	Sediment	2	0.10	13.20	0.15	0.50	15.70	0.36	4.53	0.20	0.21	4.75	0.60	0.21
SCPS_5	Sediment	2	0.13	91.00	0.18	17.00	101.00	7.02	30.10	0.23	3.80	28.30	10.60	3.96
SJF_10_C	Sediment	2	0.09	10.80	0.15	1.84	3.64	0.70	1.05	0.20	0.16	1.90	0.60	0.21
SJF_3	Sediment	2	0.40	11.10	0.15	2.00	14.00	0.87	3.49	0.20	0.21	4.39	0.60	0.21
SJF_9_C	Sediment	2	0.09	19.20	0.15	4.12	24.20	1.66	6.11	0.20	0.33	6.70	2.16	0.25
SJI_0	Sediment	2	0.11	14.90	0.16	2.79	17.90	1.26	4.33	0.20	0.33	5.19	0.64	0.25
SJI_1	Sediment	2	0.09	10.00	0.15	1.85	11.50	0.29	3.09	0.20	0.38	1.90	0.60	0.21
SJI_20_C_GS	Sediment	2	0.10	22.00	0.15	2.89	16.40	1.22	5.69	0.20	0.26	4.94	2.08	0.21
SJI_3	Sediment	2	0.09	12.40	0.15	2.15	12.80	0.41	3.91	0.20	0.31	1.90	0.60	0.62
SJI_8_C	Sediment	2	0.10	9.52	0.15	1.98	9.80	0.93	2.89	0.20	0.33	1.90	0.60	0.22
SPSB_0	Sediment	2	0.95	3.25	0.17	0.61	61.80	4.40	1.05	0.20	2.33	17.20	6.02	0.24
SPSB_1	Sediment	2	0.12	35.40	0.18	7.06	42.70	2.71	13.70	1.10	1.61	13.60	5.00	0.25
SPSB_2	Sediment	2	0.13	43.20	0.18	9.71	50.70	0.61	15.90	0.21	0.35	16.70	5.83	0.25
SPSB_3	Sediment	2	0.09	7.30	0.15	1.64	10.40	0.29	1.05	0.13	0.43	1.90	0.60	0.21
SPSB_8_C	Sediment	2	0.09	3.25	0.15	0.78	3.64	0.36	1.81	0.20	0.32	1.90	0.60	0.21
SS_0	Sediment	2	0.11	38.80	0.17	9.22	50.10	0.36	12.50	0.20	0.26	1.90	5.57	0.21
SS_1	Sediment	2	0.09	3.25	0.15	0.38	3.64	0.29	0.96	0.13	0.14	1.90	0.60	0.21
SS_2	Sediment	2	0.11	24.30	0.17	5.80	29.60	1.87	7.66	0.20	0.86	8.78	2.88	0.21
SS_8_C	Sediment	2	0.18	46.50	0.16	10.00	56.90	4.61	15.70	1.07	1.76	17.80	6.10	2.85
SS_9_C	Sediment	2	0.12	78.60	0.17	17.60	98.50	0.48	30.30	0.33	3.82	1.90	12.00	4.25
UCS-A	Sediment	2	31.90	1130.00	25.80	297.00	1910.00	134.00	594.00	18.48	98.50	624.00	208.00	85.40
UCS-B	Sediment	2	13.18	1080.00	13.69	297.00	1940.00	144.00	602.00	20.54	107.00	671.00	245.00	96.30
UCS-C	Sediment	2	13.18	1050.00	12.48	328.00	2010.00	149.00	661.00	38.10	117.00	756.00	257.00	90.70
UMCS-205-Invert	Invertebrate Tiss	1	12.72	681.00	24.65	121.00	1290.00	68.80	264.00	19.20	43.40	509.00	108.00	33.60
UMCS-205-Sed	Sediment	2	9.86	1660.00	9.48	384.00	2660.00	206.00	938.00	41.00	146.00	899.00	327.00	164.00
UMCS-A	Sediment	2	56.40	4020.00	47.40	851.00	77.30	376.00	1910.00	90.30	323.00	1680.00	732.00	288.00
UMCS-B	Sediment	2	54.80	2650.00	40.60	541.00	3360.00	221.00	1150.00	52.90	203.00	1140.00	503.00	172.00
UMCS-C	Sediment	2	23.60	1190.00	25.69	339.00	2190.00	158.00	720.00	37.60	126.00	839.00	320.00	82.00
US-FLO-Invert	Invertebrate Tiss	1	10.57	302.00	24.19	62.70	685.00	43.10	109.00	17.50	6.98	232.00	48.10	12.86

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
US-FLO-QA-Invert	Invertebrate Tiss	1	10.57	322.00	24.19	105.00	742.00	44.70	113.00	19.30	6.98	251.00	51.30	12.86
WGNM-Invert	Invertebrate Tiss	1	22.40	1290.00	26.10	299.00	4390.00	233.00	1030.00	79.10	161.00	2000.00	451.00	75.60
WGNM-Sed	Sediment	2	48.40	2670.00	31.50	1050.00	10700.00	685.00	3760.00	192.00	553.00	4730.00	1550.00	265.00
WS-IS-A	Sediment	2	34.10	1460.00	47.00	519.00	6070.00	389.00	1850.00	123.00	347.00	3210.00	1060.00	206.00
WS-IS-B	Sediment	2	413.00	14400.00	312.00	3860.00	24100.00	1710.00	7930.00	327.00	1280.00	7920.00	3280.00	1350.00
WS-IS-C	Sediment	2	30.90	1310.00	29.70	469.00	5260.00	357.00	1680.00	107.00	352.00	3020.00	1010.00	130.00
LW3-STW-CW10-WR22	stormwater	3	215.00	3.50	192.00	1440.00	480.00	572.00	2430.00	228.00	467.00	886.00	898.00	451.00
LW3-STW-CW20-WR22	stormwater	3	255.00	3.50	220.00	1620.00	558.00	675.00	2920.00	285.00	534.00	1070.00	1070.00	545.00
LW3-STW-CW30-WR22	stormwater	3	199.00	3.50	157.00	1240.00	428.00	503.00	2190.00	222.00	416.00	920.00	992.00	422.00
LW3-STW-GW10-WR22-D	stormwater	3	1.55	3.50	1.18	12.25	10.92	11.64	17.19	10.14	10.37	12.03	11.27	12.31
LW3-STW-GW10-WR22-T	stormwater	3	129.00	3.50	87.70	565.00	164.00	175.00	954.00	100.00	179.00	344.00	345.00	201.00
LW3-W3026-NB-C	surface water fro	3	0.18	7.70	0.06	1.15	8.02	0.25	2.82	0.06	0.46	3.27	1.33	0.35
LW3-W3026-NB-F	surface water fro	3	0.23	9.61	0.19	2.29	15.60	0.31	4.31	0.09	0.69	4.46	1.40	0.66
LW3-W3026-NS-C	surface water fro	3	0.23	8.21	0.07	1.06	7.20	0.42	2.70	0.13	0.47	3.02	1.19	0.28
LW3-W3026-NS-F	surface water fro	3	0.07	8.39	0.06	2.05	14.30	0.78	4.24	0.25	0.60	3.63	1.34	0.57
LW3-W3037-NB-C	surface water fro	3	0.06	3.05	0.05	0.63	4.52	0.41	1.27	0.10	0.20	2.25	0.84	0.20
LW3-W3037-NB-F	surface water fro	3	0.06	5.22	0.05	1.48	11.50	0.59	3.00	0.08	0.24	3.42	1.06	0.17
LW3-W3037-NS-C	surface water fro	3	0.05	2.49	0.08	0.41	2.91	0.16	1.34	0.06	0.23	1.74	0.69	0.12
LW3-W3037-NS-F	surface water fro	3	0.04	1.66	0.04	0.26	1.97	0.11	0.58	0.05	0.10	0.83	0.27	0.19
LW3-STW-CW20-WR161	stormwater	3	37.50	3.50	4.44	1920.00	520.00	1160.00	5530.00	450.00	754.00	2250.00	1880.00	211.00
LW3-STW-CW30-WR161	stormwater	3	80.00	3.50	51.20	1700.00	471.00	862.00	3740.00	283.00	558.00	1530.00	1210.00	294.00
LW3-STW-CW40-WR161	stormwater	3	23.20	3.50	18.00	1030.00	273.00	538.00	2570.00	185.00	321.00	932.00	746.00	124.00
LW3-STW-GW10-WR161-D	stormwater	3	1.55	3.50	1.80	12.25	15.62	14.37	17.19	11.81	14.94	14.43	11.27	14.04
LW3-STW-GW10-WR161-T	stormwater	3	1.55	3.50	1.18	12.25	10.92	11.64	40.20	7.80	10.37	12.03	11.27	9.79
LW3-STW-GW20-WR161-D	stormwater	3	3.18	3.50	4.90	9.05	6.60	7.71	11.77	4.77	6.20	8.82	8.71	6.12
LW3-STW-GW20-WR161-T	stormwater	3	24.50	3.50	2.85	216.00	80.20	108.00	398.00	37.20	73.60	156.00	137.00	63.60
LW3-STW-CW20-WR123	stormwater	3	459.00	3.50	304.00	4060.00	1370.00	1590.00	7490.00	691.00	1330.00	2650.00	2760.00	1450.00
LW3-STW-CW40-WR123	stormwater	3	359.00	3.50	226.00	3720.00	1190.00	1540.00	7040.00	613.00	1260.00	2440.00	2520.00	1100.00
LW3-STW-CW50-WR123	stormwater	3	41.20	3.50	35.20	493.00	156.00	208.00	923.00	76.90	152.00	322.00	324.00	145.00
LW3-STW-GW10-WR123-D	stormwater	3	1.55	3.50	0.69	12.25	13.71	15.46	11.77	10.14	13.08	14.43	13.65	12.31
LW3-STW-GW10-WR123-T	stormwater	3	86.80	3.50	64.80	1090.00	359.00	477.00	2030.00	182.00	362.00	776.00	793.00	319.00
LW3-STW-CW10-WR67-2	stormwater	3	1.55	3.50	1.45	26.70	13.71	12.47	45.30	4.40	13.08	12.03	11.27	9.79
LW3-STW-CW20-WR67	stormwater	3	1.55	3.50	2.61	9.97	7.28	7.71	11.77	5.23	6.86	9.19	8.71	6.75

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
LW3-STW-CW30-WR67	stormwater	3	2.64	3.50	2.93	51.00	6.60	7.71	111.00	4.77	6.20	39.40	46.50	6.12
LW3-STW-CW40-WR67	stormwater	3	1.75	3.50	1.45	13.33	10.92	12.47	17.19	11.23	10.37	12.03	12.95	9.79
LW3-STW-CW60-WR67	stormwater	3	1.55	3.50	1.18	8.38	13.71	14.37	11.77	10.14	13.08	7.96	7.29	12.31
LW3-STW-CW30-SJB	stormwater	3	160.00	3.50	94.80	1230.00	391.00	490.00	2090.00	211.00	396.00	773.00	818.00	381.00
LW3-STW-CW40-SJB	stormwater	3	2.45	3.50	3.83	38.60	6.60	7.71	20.26	4.77	6.20	8.82	8.71	6.12
LW3-STW-CW50-SJB	stormwater	3	63.00	3.50	41.00	419.00	130.00	146.00	692.00	70.80	134.00	256.00	251.00	127.00
LW3-STW-GW10-SJB-D	stormwater	3	1.55	3.50	4.63	30.40	6.60	7.25	45.90	4.40	6.20	7.96	7.29	5.88
LW3-STW-GW10-SJB-T	stormwater	3	49.20	3.50	31.80	345.00	114.00	131.00	591.00	54.50	114.00	201.00	185.00	115.00
WLCT4C07BsnM070324	stormwater	3	47.20	3.50	73.20	1180.00	321.00	500.00	2320.00	186.00	357.00	903.00	921.00	297.00
WLCT4C07BsnM070407	stormwater	3	820.00	3.50	394.00	6080.00	2260.00	3060.00	15000.00	1440.00	3220.00	5480.00	5950.00	2240.00
WLCT4C07BsnM070503	stormwater	3	311.00	3.50	180.00	2480.00	927.00	1200.00	5370.00	519.00	1040.00	1850.00	1840.00	924.00
WLCT4C07BsnQ070324	stormwater	3	72.60	3.50	50.60	702.00	243.00	299.00	1200.00	107.00	213.00	425.00	434.00	206.00
WLCT4C07BsnQ070407	stormwater	3	32.90	3.50	19.60	267.00	91.90	126.00	451.00	45.10	83.90	167.00	174.00	85.90
WLCT4C07BsnR070324	stormwater	3	20.30	3.50	17.80	177.00	61.30	65.30	225.00	5.23	39.30	80.80	72.20	52.60
WLCT4C07BsnR070407	stormwater	3	56.20	3.50	39.50	442.00	138.00	156.00	631.00	58.70	115.00	183.00	28.33	127.00
WLCT4C07BsnR070503	stormwater	3	1460.00	3.50	992.00	13900.00	4360.00	4550.00	19800.00	1760.00	3410.00	5820.00	5850.00	4050.00
WLCT4C07BsnL070324	stormwater	3	79.50	3.50	66.70	841.00	265.00	387.00	1740.00	141.00	277.00	648.00	685.00	225.00
WLCT4C07BsnL070503	stormwater	3	90.30	3.50	71.80	849.00	285.00	365.00	1550.00	146.00	269.00	622.00	580.00	241.00
WLCT4C07BsnL070520	stormwater	3	199.00	3.50	133.00	1030.00	325.00	388.00	1780.00	164.00	277.00	657.00	624.00	313.00
LW3-W3028-NB-C	surface water fro	3	0.06	4.86	0.05	0.49	6.11	0.35	2.33	0.07	0.36	2.91	1.14	0.26
LW3-W3028-NB-F	surface water fro	3	0.07	1.47	0.03	0.29	2.74	0.12	0.98	0.04	0.12	0.83	0.33	0.08
LW3-W3028-NS-C	surface water fro	3	0.25	10.70	0.16	1.83	11.50	0.30	3.99	0.08	0.68	3.96	1.70	0.18
LW3-W3028-NS-F	surface water fro	3	0.07	14.90	0.27	3.90	26.00	1.45	7.74	0.34	1.11	5.88	2.34	1.21
LW3-STW2-CW20-WR218	stormwater	3	20.10	3.50	18.40	194.00	64.20	83.40	387.00	35.70	70.60	167.00	153.00	60.80
LW3-STW-CW10-WR218	stormwater	3	60.80	3.50	50.10	445.00	158.00	208.00	1030.00	92.20	207.00	425.00	443.00	151.00
LW3-STW-CW20-WR218	stormwater	3	19.10	3.50	15.60	152.00	55.20	72.70	335.00	32.10	63.20	132.00	138.00	46.90
LW3-W3038-NB-C	surface water fro	3	0.05	1.79	0.06	0.29	1.90	0.12	0.77	0.04	0.10	1.08	0.39	0.08
LW3-W3038-NB-F	surface water fro	3	0.07	1.19	0.06	0.27	1.67	0.09	0.27	0.05	0.29	0.48	0.16	0.18
LW3-W3038-NS-C	surface water fro	3	0.04	2.07	0.03	0.46	2.29	0.19	1.30	0.10	0.33	1.30	0.32	0.13
LW3-W3038-NS-F	surface water fro	3	0.05	3.66	0.07	1.06	8.27	0.23	1.95	0.06	0.31	2.41	0.85	0.13
WLCT4C07BsnT070324	stormwater	3	61.60	3.50	36.70	475.00	167.00	202.00	792.00	69.80	142.00	304.00	333.00	157.00
WLCT4C07BsnT070407	stormwater	3	28.70	3.50	16.50	176.00	69.70	82.90	308.00	28.60	56.90	112.00	118.00	55.50
WLCT4C07BsnT070503	stormwater	3	232.00	3.50	149.00	1800.00	658.00	480.00	3360.00	315.00	625.00	1270.00	1300.00	577.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
LW3-W3032-NB-C	surface water fro	3	0.07	2.89	0.03	0.53	4.84	0.28	1.63	0.15	0.35	2.94	1.11	0.14
LW3-W3032-NB-F	surface water fro	3	0.09	4.60	0.08	2.07	17.60	0.79	4.78	0.44	0.99	8.13	2.46	0.40
LW3-W3032-NS-C	surface water fro	3	0.06	2.75	0.03	0.54	6.31	0.30	1.92	0.16	0.46	3.86	1.41	0.13
LW3-W3032-NS-F	surface water fro	3	0.11	4.44	0.07	2.32	21.20	0.83	5.57	0.52	1.22	9.96	3.12	0.45
LW3-STW-CW10-OF22	stormwater	3	10.00	3.50	7.98	108.00	36.40	50.20	222.00	1.43	39.50	92.50	94.70	32.60
LW3-STW-CW20-OF22	stormwater	3	29.10	3.50	19.10	281.00	93.40	103.00	537.00	48.00	99.00	227.00	215.00	90.30
LW3-STW-CW20-OF22D	stormwater	3	24.40	3.50	21.70	283.00	106.00	108.00	581.00	7.06	92.30	224.00	215.00	92.60
LW3-STW-CW30-OF22	stormwater	3	1.85	3.50	8.06	102.00	29.10	45.90	183.00	12.51	30.90	68.10	65.50	14.04
LW3-STW-GW10-OF22-D	stormwater	3	1.55	3.50	1.64	12.25	10.92	11.64	17.19	10.14	10.37	12.03	11.27	9.79
LW3-STW-GW10-OF22-T	stormwater	3	28.70	3.50	17.90	322.00	100.00	151.00	705.00	61.10	117.00	341.00	326.00	84.50
LW3-W3034-NB-C	surface water fro	3	0.04	2.58	0.04	0.29	3.02	0.24	1.23	0.04	0.21	1.54	0.62	0.12
LW3-W3034-NB-F	surface water fro	3	0.06	4.73	0.08	1.48	10.10	0.59	2.84	0.08	0.47	3.32	0.60	0.34
LW3-W3034-NS-C	surface water fro	3	0.04	2.61	0.04	0.19	2.48	0.32	1.18	0.10	0.33	1.17	0.61	0.20
LW3-W3034-NS-F	surface water fro	3	0.06	4.18	0.05	1.18	9.36	0.50	2.33	0.18	0.36	2.62	0.85	0.30
IE1567	Sediment	2	1.18	65.00	0.62	13.00	102.00	5.95	29.00	1.27	1.97	29.00	9.80	3.15
IE1568	Sediment	2	1.21	67.00	0.90	13.30	121.00	7.35	33.00	2.05	3.83	37.00	12.00	2.92
IE1569	Sediment	2	0.84	60.00	0.90	14.70	120.00	7.37	31.00	2.06	3.44	38.00	12.00	2.53
IE1570	Sediment	2	1.95	108.00	1.94	21.00	177.00	10.20	47.90	2.86	5.17	59.00	16.70	5.73
IE1571	Sediment	2	0.84	76.00	0.90	17.10	136.00	8.30	37.00	1.98	4.50	45.00	13.00	5.10
IE1572	Sediment	2	1.14	72.00	0.90	17.30	129.00	7.88	34.00	2.11	4.25	37.00	11.00	3.60
IE1573	Sediment	2	0.84	70.60	0.65	19.00	143.00	9.16	37.10	2.69	3.52	40.00	12.10	3.02
IE1574	Sediment	2	8.00	266.00	2.85	51.00	285.00	19.00	94.00	3.17	12.80	60.00	26.00	19.00
IE1575	Sediment	2	5.66	231.00	3.25	44.00	311.00	19.00	92.00	3.90	8.60	95.00	33.00	15.00
IE1576	Sediment	2	20.00	764.00	8.15	184.00	956.00	61.00	279.00	11.00	37.00	184.00	77.00	72.00
IE1577	Sediment	2	8.40	386.00	4.20	72.00	500.00	34.00	158.00	7.30	17.50	155.00	54.00	25.00
IE1578	Sediment	2	3.12	130.00	2.90	26.00	199.00	11.80	59.20	2.50	9.20	53.00	18.30	6.60
IE1579	Sediment	2	0.84	10.00	0.65	3.67	35.00	1.78	12.00	0.68	1.36	11.40	4.22	1.01
IU4814	Sediment	2	7.40	454.00	6.10	98.10	705.00	45.70	226.00	9.70	28.60	183.00	66.80	20.70
IU4815	Sediment	2	16.10	624.00	10.00	150.00	912.00	59.60	314.00	14.10	35.90	208.00	84.80	38.10
IU4816	Sediment	2	8.80	503.00	6.00	99.30	700.00	41.60	215.00	11.20	7.01	182.00	66.70	21.40
IU4817	Sediment	2	9.70	418.00	1.49	72.00	525.00	30.00	150.00	7.20	18.00	139.00	48.00	4.31
IU4818	Sediment	2	11.80	692.00	7.70	147.00	950.00	59.00	303.00	12.40	37.40	220.00	86.30	33.60
IU4819	Sediment	2	1.38	552.00	8.70	135.00	821.00	52.90	241.00	2.53	34.50	172.00	63.90	34.50

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-114	PCB-118	PCB-123	PCB-128	PCB-129	PCB-130	PCB-132	PCB-133	PCB-134	PCB-135	PCB-136	PCB-137
IU4820	Sediment	2	10.70	618.00	1.26	117.00	730.00	52.30	197.00	2.99	29.70	155.00	57.50	30.30
IU4821	Sediment	2	21.50	901.00	13.50	184.00	1130.00	62.60	366.00	12.80	48.60	278.00	37.88	11.10
IU4822	Sediment	2	16.00	570.00	1.78	122.00	767.00	50.50	219.00	8.60	36.30	184.00	24.27	36.70
IU4823	Sediment	2	17.30	689.00	12.10	157.00	871.00	59.10	307.00	11.70	39.00	264.00	93.10	38.40
IU4824	Sediment	2	35.30	1930.00	2.62	364.00	2510.00	172.00	976.00	4.66	128.00	540.00	267.00	180.00
IU4825	Sediment	2	6.70	329.00	1.38	80.80	521.00	32.30	192.00	4.33	27.30	151.00	55.00	19.50
IU4826	Sediment	2	2.21	365.00	1.99	86.00	543.00	32.10	188.00	4.33	25.00	119.00	53.10	7.66
IU4827	Sediment	2	2.49	513.00	2.19	105.00	651.00	38.60	217.00	4.33	35.00	147.00	59.90	21.30
IU4828	Sediment	2	1.62	572.00	10.00	126.00	731.00	48.00	245.00	4.33	34.00	189.00	73.00	8.11
IU4829	Sediment	2	4.08	981.00	3.04	194.00	1210.00	80.00	412.00	4.33	54.90	241.00	93.50	66.10
IU4830	Sediment	2	28.90	2110.00	23.20	436.00	2520.00	161.00	798.00	29.10	118.00	398.00	175.00	130.00
IU4831	Sediment	2	33.80	2200.00	15.60	510.00	2770.00	184.00	1020.00	33.20	140.00	870.00	366.00	131.00
IU4832	Sediment	2	1.53	410.00	1.49	83.70	550.00	38.00	174.00	3.15	26.00	210.00	79.00	3.52
IU4833	Sediment	2	1.53	390.00	1.49	83.90	530.00	30.40	162.00	2.53	22.90	203.00	69.00	15.40
IU4834	Sediment	2	1.53	413.00	1.49	96.10	610.00	37.70	216.00	12.00	9.24	270.00	96.00	21.20
IU4835	Sediment	2	1.93	416.00	1.38	79.60	570.00	11.58	188.00	2.53	7.01	175.00	75.00	7.05

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
LW3-STW2-CW10-WR96	stormwater	3	242.00	64.20	1.60	41.90	0.64	268.00	38.20	41.50	17.40	85.80	4.68	2.04
LW3-STW-CW30-WR96	stormwater	3	335.00	103.00	3.54	60.60	3.78	400.00	59.60	66.60	25.40	143.00	42.00	7.89
LW3-STW-CW40-WR96	stormwater	3	170.00	51.90	4.32	38.60	3.15	215.00	31.90	36.10	15.10	72.80	5.98	5.08
LW3-STW-GW10-WR96-D	stormwater	3	82.10	28.40	6.28	8.75	3.15	114.00	22.60	8.02	9.91	39.90	8.24	7.13
LW3-STW-GW10-WR96-T	stormwater	3	147.00	51.50	6.70	9.23	3.67	185.00	32.90	30.40	16.40	59.60	8.59	7.41
LW3-W3033-2-NB-C	surface water fro	3	0.07	0.96	0.16	0.83	5.44	4.66	0.32	0.42	0.14	0.76	0.31	0.10
LW3-W3033-2-NB-F	surface water fro	3	0.16	2.59	0.56	2.04	10.50	11.40	1.20	1.07	0.47	4.26	1.32	0.83
LW3-W3033-2-NS-C	surface water fro	3	0.10	0.91	0.30	0.81	4.53	4.35	0.36	0.39	0.16	0.63	0.29	0.10
LW3-W3033-2-NS-F	surface water fro	3	0.06	1.95	0.43	1.65	8.07	8.87	0.97	0.88	0.39	3.44	1.07	0.67
LW3-W3033-NB-C	surface water fro	3	0.06	0.72	0.20	0.71	4.20	3.48	0.27	0.35	0.11	0.48	0.19	0.11
LW3-W3033-NB-F	surface water fro	3	0.15	1.91	0.45	1.87	8.34	9.07	0.99	0.89	0.38	3.15	1.00	0.56
LW3-W3033-NS-C	surface water fro	3	0.06	0.71	0.23	0.74	4.09	3.72	0.28	0.33	0.10	0.49	0.17	0.10
LW3-W3033-NS-F	surface water fro	3	0.16	2.00	0.48	2.01	9.12	9.81	1.10	0.93	0.38	3.54	1.05	0.61
060403-FIL-1	Surface Water	3	0.04	0.22	0.05	0.30	1.19	1.79	0.23	0.18	0.09	0.25	0.09	0.05
060403-XAD-1	Surface Water	3	0.00	0.07	0.03	0.11	0.51	0.66	0.05	0.06	0.03	0.04	0.02	0.01
060404-FIL-2	Surface Water	3	0.02	0.16	0.04	0.25	0.91	1.46	0.13	0.11	0.07	0.21	0.08	0.04
060404-XAD-2	Surface Water	3	0.00	0.06	0.01	0.10	0.45	0.57	0.04	0.04	0.02	0.04	0.02	0.01
070910-SPMD1A	Surface Water	3	29.70	356.00	151.00	339.00	2170.00	1880.00	113.00	156.00	44.40	154.00	98.20	38.60
070910-SPMD1B	Surface Water	3	22.10	297.00	116.00	283.00	1740.00	1540.00	102.00	134.00	41.90	133.00	80.60	32.70
070910-SPMD2A	Surface Water	3	53.10	426.00	176.00	474.00	2900.00	2650.00	245.00	271.00	88.20	236.00	135.00	54.40
070910-SPMD2B	Surface Water	3	54.20	468.00	185.00	477.00	3030.00	2710.00	251.00	269.00	90.00	219.00	114.00	48.30
070910-SPMD3A	Surface Water	3	41.50	392.00	170.00	450.00	2790.00	2370.00	164.00	220.00	64.80	214.00	125.00	53.50
070910-SPMD3B	Surface Water	3	39.10	333.00	146.00	407.00	2410.00	2030.00	141.00	194.00	58.80	194.00	110.00	48.40
071022-SPMD1A	Surface Water	3	23.20	388.00	160.00	287.00	2160.00	1720.00	108.00	146.00	39.10	161.00	99.20	42.80
071022-SPMD1B	Surface Water	3	20.20	284.00	120.00	229.00	1680.00	1370.00	94.00	121.00	35.60	130.00	78.90	31.90
071022-SPMD2A	Surface Water	3	40.90	363.00	120.00	341.00	1980.00	2090.00	293.00	225.00	92.00	200.00	90.50	38.00
071022-SPMD2B	Surface Water	3	73.60	518.00	173.00	584.00	2850.00	3800.00	616.00	387.00	197.00	326.00	118.00	53.60
071022-SPMD3A	Surface Water	3	20.30	252.00	105.00	250.00	1650.00	1340.00	86.70	121.00	32.10	127.00	78.40	33.30
071022-SPMD3B	Surface Water	3	19.10	237.00	106.00	231.00	1530.00	1250.00	78.40	116.00	31.00	126.00	75.20	30.80
071102-SPMD1A	Surface Water	3	15.30	244.00	98.10	182.00	1390.00	1090.00	66.10	97.50	23.90	110.00	67.90	29.30
071102-SPMD1B	Surface Water	3	10.00	173.00	75.70	128.00	1010.00	792.00	46.50	71.00	17.50	83.40	49.40	21.90
071102-SPMD2A	Surface Water	3	27.60	271.00	97.30	230.00	1520.00	1350.00	141.00	150.00	47.90	137.00	77.10	32.40
071102-SPMD2B	Surface Water	3	28.50	268.00	97.80	247.00	1510.00	1560.00	196.00	159.00	63.30	174.00	80.80	37.10

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
071102-SPMD3A	Surface Water	3	20.60	252.00	101.00	225.00	1540.00	1270.00	77.00	117.00	30.50	126.00	79.80	33.50
071102-SPMD3B	Surface Water	3	23.00	299.00	114.00	260.00	1700.00	1440.00	99.70	136.00	37.40	155.00	90.00	41.00
08021252XAD	Surface Water	3	0.02	0.04	0.02	0.05	0.26	0.26	0.00	0.03	0.01	0.03	0.01	0.01
08021252XAD-FIL	Surface Water	3	0.01	0.13	0.03	0.12	0.54	0.69	0.09	0.07	0.03	0.16	0.06	0.03
08021354XAD	Surface Water	3	0.00	0.04	0.01	0.04	0.23	0.21	0.00	0.02	0.01	0.00	0.01	0.01
08021354XAD-FIL	Surface Water	3	0.03	1.00	0.19	0.69	2.94	4.99	0.36	0.35	0.15	2.08	0.54	0.34
08022156XAD	Surface Water	3	0.00	0.03	0.01	0.04	0.23	0.24	0.01	0.02	0.01	0.00	0.01	0.01
08022156XAD-FIL	Surface Water	3	0.02	0.12	0.04	0.14	0.65	0.88	0.10	0.08	0.04	0.14	0.05	0.03
08022453XAD	Surface Water	3	0.01	0.05	0.01	0.06	0.28	0.30	0.04	0.03	0.01	0.03	0.01	0.01
08022453XAD-FIL	Surface Water	3	0.03	0.80	0.14	0.56	2.75	4.13	0.32	0.28	0.14	1.51	0.40	0.25
08022555XAD	Surface Water	3	0.16	0.04	0.01	0.05	0.28	0.30	0.00	0.03	0.00	0.00	0.01	0.01
08022555XAD-FIL	Surface Water	3	0.02	0.13	0.03	0.16	0.67	1.04	0.11	0.08	0.05	0.15	0.05	0.03
08022757XAD	Surface Water	3	1.17	0.03	0.01	0.05	0.23	0.28	0.01	0.02	0.00	0.00	0.01	0.01
08022757XAD-FIL	Surface Water	3	0.01	0.09	0.02	0.13	0.51	0.83	0.09	0.06	0.04	0.10	0.04	0.02
08022959XAD	Surface Water	3	0.01	0.04	0.01	0.06	0.29	0.33	0.00	0.03	0.01	0.00	0.01	0.01
08022959XAD-FIL	Surface Water	3	0.01	0.09	0.03	0.16	0.64	1.19	0.10	0.07	0.06	0.13	0.05	0.03
08030460XAD	Surface Water	3	0.01	0.04	0.02	0.06	0.30	0.36	0.00	0.03	0.01	0.01	0.01	0.01
08030460XAD-FIL	Surface Water	3	0.02	0.12	0.03	0.18	0.78	1.52	0.12	0.08	0.07	0.12	0.05	0.03
08030661XAD	Surface Water	3	0.01	0.04	0.02	0.06	0.31	0.40	0.00	0.03	0.00	0.01	0.01	0.01
08030661XAD-FIL	Surface Water	3	0.02	0.12	0.03	0.17	0.73	1.26	0.10	0.08	0.06	0.14	0.05	0.03
08030758XAD	Surface Water	3	11.49	0.04	0.02	0.06	0.32	0.41	0.00	0.03	0.01	0.00	0.01	0.01
08030758XAD-FIL	Surface Water	3	0.01	0.10	0.03	0.16	0.63	1.18	0.09	0.07	0.06	0.11	0.04	0.02
ACOE-BAIT	Bait (used in tra	1	0.16	0.54	17.23	1.02	2.15	14.50	1.55	1.40	0.61	3.10	0.73	0.37
P01-CF	Crayfish	1	0.44	0.29	0.43	52.30	11.80	242.00	38.20	2.61	23.00	21.60	2.99	2.97
P04-CF	Crayfish	1	1.84	0.09	1.45	483.00	52.20	2060.00	2280.00	10.50	1180.00	137.00	5.30	5.77
P04-Clam	Clam Tissue	1	183.00	299.00	204.00	2310.00	10000.00	61300.00	3610.00	1480.00	3800.00	188.00	283.00	18.40
P04-Sed	Sediment	2	48.20	273.00	54.60	269.00	1190.00	1580.00	380.00	245.00	113.00	190.00	59.20	30.10
P05-CF	Crayfish	1	1.40	0.16	0.98	601.00	27.40	2870.00	1620.00	5.41	629.00	160.00	4.06	10.30
P05-Clam	Clam Tissue	1	29.60	104.00	39.90	591.00	1920.00	13300.00	614.00	259.00	956.00	58.50	91.80	7.22
P05-Sed	Sediment	2	0.28	1.64	0.42	2.43	9.13	20.40	3.50	1.76	1.52	1.80	0.58	0.21
P06-CF	Crayfish	1	1.34	0.21	0.96	1790.00	92.60	7730.00	3910.00	7.03	1530.00	326.00	3.04	11.50
P06-Clam	Clam Tissue	1	54.80	100.00	69.20	776.00	2760.00	18100.00	828.00	397.00	1180.00	78.40	119.00	8.92
P06-Sed	Sediment	2	0.91	4.71	1.11	6.07	23.80	41.70	7.65	4.38	2.55	4.30	1.16	0.53

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
P07-CF	Crayfish	1	13.90	0.40	0.85	323.00	57.30	2320.00	655.00	9.62	222.00	239.00	18.80	24.40
P07-Clam	Clam Tissue	1	31.90	61.60	36.10	584.00	1910.00	14400.00	584.00	264.00	944.00	49.40	88.20	6.23
P07-Sed	Sediment	2	1.68	7.76	2.38	12.40	49.00	72.60	12.00	7.81	4.52	5.53	1.88	0.85
P08-CF	Crayfish	1	0.88	0.71	0.46	101.00	14.50	570.00	211.00	3.49	97.10	29.30	1.86	3.38
P08-Clam	Clam Tissue	1	27.60	58.80	33.00	501.00	1640.00	10100.00	405.00	215.00	566.00	44.60	79.60	5.91
P08-Sed	Sediment	2	1.26	6.16	1.89	10.90	37.00	62.00	10.40	6.61	4.30	6.14	2.28	1.03
P09-Sed	Sediment	2	2.77	15.00	3.90	20.00	81.30	101.00	19.50	13.00	6.33	14.40	5.17	2.77
P100-CF	Crayfish	1	0.32	0.71	0.37	31.80	8.45	171.00	24.40	1.69	18.00	9.43	1.89	0.92
P10-Clam	Clam Tissue	1	16.50	43.30	21.70	327.00	1070.00	5270.00	228.00	126.00	302.00	32.90	55.60	4.70
P10-Sed	Sediment	2	1.42	7.60	2.10	12.50	46.60	68.00	10.60	6.91	3.91	10.60	4.06	2.17
P110-CF	Crayfish	1	4.61	16.35	0.29	15.00	6.32	136.00	13.30	1.04	11.20	8.66	0.96	0.68
P110-Clam	Clam Tissue	1	14.80	45.10	26.20	270.00	930.00	2540.00	96.90	103.00	92.50	38.70	52.70	6.10
P110-Sed	Sediment	2	1.31	7.80	1.98	9.23	54.90	87.60	8.50	6.63	4.02	13.80	5.36	2.43
P110-SP	Sculpin	1	15.60	49.70	4.25	114.00	38.40	1050.00	106.00	86.70	34.80	113.00	47.80	17.40
P111-Sed	Sediment	2	1.33	10.70	2.66	8.91	60.20	78.80	10.40	7.51	3.81	17.10	5.94	3.08
P11-Clam	Clam Tissue	1	15.50	35.90	23.40	331.00	1070.00	3560.00	136.00	115.00	146.00	38.90	62.40	5.65
P11-Sed	Sediment	2	1.23	7.88	2.20	11.90	44.60	64.40	8.74	6.31	3.49	10.40	4.13	2.27
P13-CF	Crayfish	1	0.24	0.78	0.19	30.90	4.72	122.00	13.80	0.90	8.53	9.04	0.96	1.75
P13-Clam	Clam Tissue	1	18.50	37.30	29.50	402.00	1270.00	5180.00	157.00	125.00	209.00	38.80	66.70	5.74
P13-Sed	Sediment	2	0.46	2.96	0.93	7.03	23.70	45.50	4.73	3.04	2.46	8.90	3.08	1.91
P14-CF	Crayfish	1	11.63	1.10	0.17	26.10	3.96	201.00	26.30	0.61	22.80	12.50	0.57	0.95
P14-Clam	Clam Tissue	1	19.80	38.50	30.30	434.00	1330.00	5530.00	171.00	134.00	213.00	43.30	72.50	6.00
P14-Sed	Sediment	2	0.13	0.92	0.34	2.00	6.20	9.18	1.13	0.77	0.46	2.71	0.97	0.56
P15-CF	Crayfish	1	0.19	1.64	0.24	27.00	6.55	151.00	16.90	1.44	12.10	11.30	1.05	1.85
P15-Clam	Clam Tissue	1	15.30	39.50	22.30	324.00	1040.00	3830.00	133.00	115.00	157.00	39.30	66.80	5.45
P15-Sed	Sediment	2	0.86	4.92	1.65	12.00	37.80	66.70	6.53	4.55	3.37	9.65	4.05	2.13
P16-CF	Crayfish	1	0.44	1.10	0.52	55.00	9.04	322.00	28.00	2.55	21.50	14.40	2.27	2.17
P16-Clam	Clam Tissue	1	14.50	33.20	21.60	311.00	993.00	3740.00	128.00	103.00	149.00	32.30	56.30	4.60
P16-Sed	Sediment	2	0.79	5.21	1.51	10.30	32.70	51.00	6.61	4.49	2.87	10.40	4.12	2.04
P17-CF	Crayfish	1	0.30	1.59	0.31	13.90	9.22	76.00	13.60	1.41	11.80	4.86	1.18	0.46
P17-Clam	Clam Tissue	1	13.60	33.00	21.00	270.00	941.00	2980.00	120.00	98.80	134.00	32.20	55.50	4.53
P17-Sed	Sediment	2	0.55	3.59	1.11	7.86	23.70	35.10	4.48	3.09	1.84	8.28	2.74	1.34
P18-CF	Crayfish	1	0.31	1.49	0.24	46.90	6.66	220.00	25.70	1.40	17.70	13.80	1.25	1.45

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
P18-Clam	Clam Tissue	1	14.50	37.50	23.50	290.00	1000.00	3160.00	124.00	104.00	131.00	34.70	55.10	5.02
P18-Sed	Sediment	2	0.44	2.71	0.83	7.06	18.70	38.30	3.81	2.58	1.90	4.95	2.05	1.02
P19-CF	Crayfish	1	0.26	0.36	0.34	24.80	9.47	158.00	13.90	2.07	12.00	6.75	1.50	0.84
P20-CF	Crayfish	1	26.60	0.53	0.40	32.50	8.93	192.00	19.20	1.37	14.10	8.53	1.25	0.83
P21-CF	Crayfish	1	0.42	2.19	0.45	27.90	11.00	181.00	19.10	2.35	14.40	9.35	2.69	1.18
P21-Clam	Clam Tissue	1	13.40	33.70	20.90	286.00	962.00	2950.00	121.00	103.00	125.00	34.30	57.20	4.75
P21-Sed	Sediment	2	0.65	4.09	1.25	7.12	25.30	38.80	4.70	3.41	1.90	6.51	2.61	1.25
P22-CF	Crayfish	1	60.86	0.74	0.08	9.49	1.72	77.40	14.30	0.22	9.80	6.33	0.34	0.31
P22-Clam	Clam Tissue	1	17.80	32.30	28.80	367.00	1230.00	4070.00	138.00	129.00	149.00	42.60	70.10	6.14
P22-Sed	Sediment	2	0.38	2.24	0.65	3.92	16.60	26.90	2.54	2.11	1.18	3.76	1.55	0.79
P24-Clam	Clam Tissue	1	17.50	31.00	27.90	343.00	1210.00	3660.00	126.00	120.00	127.00	36.40	65.80	5.30
P24-Sed	Sediment	2	0.32	2.71	0.73	3.89	18.30	31.80	2.58	2.23	1.30	4.89	1.90	1.01
P26-Clam	Clam Tissue	1	19.40	35.30	30.70	412.00	1370.00	4530.00	137.00	136.00	151.00	37.80	66.30	5.70
P26-Sed	Sediment	2	0.33	2.28	0.61	3.31	15.40	27.10	2.42	1.91	1.25	3.87	1.47	0.75
P27-Clam	Clam Tissue	1	19.30	39.20	29.60	432.00	1400.00	5010.00	149.00	140.00	167.00	41.00	70.80	6.08
P27-Sed	Sediment	2	0.55	3.28	1.03	8.46	34.90	100.00	5.17	3.67	3.84	5.51	2.39	1.04
P28-Clam	Clam Tissue	1	17.20	33.70	27.00	386.00	1280.00	4570.00	152.00	129.00	170.00	38.80	67.00	5.47
P28-Sed	Sediment	2	0.44	2.68	0.65	4.23	18.50	27.90	2.82	2.35	1.18	5.64	2.03	1.12
P29-Clam	Clam Tissue	1	17.20	28.90	27.60	335.00	1140.00	3450.00	125.00	117.00	130.00	36.50	65.20	5.27
P29-Sed	Sediment	2	0.45	2.75	0.82	4.60	21.30	32.80	3.19	2.47	1.46	5.72	2.16	1.13
P33-CF	Crayfish	1	0.26	1.33	0.26	23.50	5.76	115.00	14.70	1.16	9.44	7.41	1.06	0.75
P34-Clam	Clam Tissue	1	17.80	31.20	29.00	348.00	1200.00	3500.00	129.00	124.00	127.00	39.90	68.40	5.93
P34-Sed	Sediment	2	1.21	8.66	2.37	9.76	48.80	63.50	8.50	6.86	3.20	10.90	4.41	1.86
P35-Clam	Clam Tissue	1	21.90	37.20	36.40	421.00	1460.00	3970.00	148.00	149.00	139.00	45.60	78.90	6.78
P35-Sed	Sediment	2	0.38	2.14	0.59	3.44	15.50	22.90	2.42	1.99	0.52	4.58	1.84	0.86
P36-Clam	Clam Tissue	1	21.90	32.60	33.00	374.00	1290.00	3420.00	154.00	139.00	139.00	52.10	84.30	7.29
P36-Sed	Sediment	2	0.32	1.94	0.55	3.70	14.30	25.60	2.40	1.91	0.50	3.68	1.59	0.73
P37-Clam	Clam Tissue	1	18.80	30.40	30.10	342.00	1190.00	3340.00	138.00	125.00	146.00	43.20	71.20	6.24
P37-Sed	Sediment	2	0.30	1.72	0.58	3.90	14.10	20.10	2.25	1.69	0.92	3.58	1.60	0.84
P38/42-CF	Crayfish	1	0.36	2.90	0.37	22.70	5.57	113.00	12.70	1.52	8.88	7.25	1.59	1.06
P38-Clam	Clam Tissue	1	18.10	32.80	29.40	319.00	1190.00	3030.00	135.00	124.00	123.00	43.90	70.70	6.01
P38-Sed	Sediment	2	0.41	2.04	0.77	6.01	22.00	47.00	3.12	2.56	1.86	3.83	1.92	0.73
P39-Clam	Clam Tissue	1	20.10	40.70	34.60	389.00	1360.00	3800.00	166.00	147.00	154.00	54.30	83.90	6.98

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
P39-Sed	Sediment	2	0.27	1.56	0.44	3.13	10.70	16.50	1.80	1.54	0.76	2.79	1.21	0.57
P40-Clam	Clam Tissue	1	20.30	40.90	32.80	397.00	1360.00	3670.00	158.00	142.00	146.00	46.50	76.00	6.32
P40-Sed	Sediment	2	0.30	1.56	0.56	4.84	16.70	33.50	2.46	1.95	1.40	3.13	1.42	0.55
P41-Clam	Clam Tissue	1	20.40	44.80	33.60	395.00	1350.00	3630.00	161.00	144.00	146.00	47.90	78.50	6.59
P41-Sed	Sediment	2	0.22	1.26	0.40	3.15	10.10	18.90	1.65	1.26	0.87	2.55	1.06	0.45
P42-Clam	Clam Tissue	1	17.80	40.70	29.40	361.00	1240.00	3380.00	145.00	129.00	137.00	43.40	70.40	6.01
P42-Sed	Sediment	2	0.14	0.70	0.25	2.02	6.06	12.20	0.93	0.75	0.48	1.38	0.60	0.27
P46-Sed	Sediment	2	0.09	0.64	0.11	1.26	3.01	5.46	0.60	0.45	0.32	1.03	0.41	0.33
P47-Sed	Sediment	2	0.24	1.46	0.33	2.82	7.67	13.20	1.82	1.32	0.70	1.86	0.72	0.52
P48-Sed	Sediment	2	0.11	1.22	0.33	2.39	6.04	9.74	1.39	1.01	0.55	2.04	0.63	0.48
P49-Sed	Sediment	2	0.33	2.43	0.75	5.31	13.40	18.30	2.89	2.05	1.03	5.34	1.67	1.16
P50-Sed	Sediment	2	0.72	7.30	1.64	13.30	39.20	56.80	6.25	5.59	2.61	12.40	4.57	2.65
P51-Sed	Sediment	2	0.12	1.26	0.25	3.80	6.15	12.00	1.74	1.10	0.77	2.73	0.81	0.71
P65-Clam	Clam Tissue	1	19.80	34.90	32.20	412.00	1340.00	4140.00	156.00	141.00	154.00	44.50	73.60	6.35
P65-Sed	Sediment	2	0.34	2.45	0.72	4.70	15.00	23.40	3.08	2.22	1.37	5.17	2.41	1.01
P67-Sed	Sediment	2	0.05	0.39	0.08	0.53	1.83	2.94	0.40	0.29	0.17	0.97	0.36	0.18
P72-CF	Crayfish	1	0.16	1.00	0.14	27.90	4.56	115.00	17.30	0.86	10.60	12.60	0.88	1.30
P73-CF	Crayfish	1	0.26	0.97	0.20	25.20	4.97	142.00	16.90	0.96	10.60	13.20	1.33	1.17
P74-CF	Crayfish	1	0.34	2.46	0.26	21.60	6.85	174.00	18.80	1.88	13.60	7.82	1.32	0.54
P75-CF	Crayfish	1	0.35	1.24	0.34	29.40	10.10	199.00	22.20	2.25	16.70	7.37	2.00	0.41
P76-CF	Crayfish	1	0.11	1.55	0.13	16.50	3.54	83.20	12.30	0.41	8.46	6.92	0.56	0.55
P78-CF	Crayfish	1	0.21	1.90	0.14	17.20	3.72	90.60	13.00	0.54	8.16	6.83	1.02	0.63
P79-CF	Crayfish	1	0.28	2.29	0.28	31.90	6.69	155.00	18.80	1.58	11.20	14.50	1.50	1.42
P82-CF	Crayfish	1	0.65	2.72	0.99	66.00	15.90	472.00	39.10	3.55	30.10	22.00	2.96	2.50
P85-Clam	Clam Tissue	1	18.60	39.10	30.00	353.00	1230.00	4070.00	137.00	126.00	165.00	37.00	68.00	5.19
P85-Sed	Sediment	2	0.52	3.00	0.89	6.32	23.90	47.70	3.74	2.93	1.97	5.22	2.02	1.15
P86-Clam	Clam Tissue	1	17.10	38.30	26.50	302.00	1140.00	3060.00	123.00	117.00	123.00	37.30	64.40	5.14
P86-Sed	Sediment	2	0.27	1.89	0.50	3.86	13.70	20.90	2.04	1.72	0.92	3.53	1.53	0.82
P87-Clam	Clam Tissue	1	15.30	39.60	23.50	314.00	1080.00	3190.00	125.00	108.00	131.00	35.60	56.00	4.85
P87-Sed	Sediment	2	0.37	2.58	0.69	4.34	16.50	25.30	2.66	2.25	1.20	5.16	2.08	1.19
P88-Clam	Clam Tissue	1	20.00	40.60	32.10	401.00	1340.00	4590.00	168.00	139.00	185.00	45.40	71.20	6.37
P88-Sed	Sediment	2	0.07	1.07	0.28	2.17	7.88	15.10	1.35	0.93	0.35	1.91	0.72	0.35
P89-Clam	Clam Tissue	1	18.10	37.40	29.60	377.00	1220.00	4620.00	158.00	128.00	201.00	40.80	63.90	6.01

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
P89-Sed	Sediment	2	0.04	0.91	0.24	1.61	5.81	12.90	0.52	0.78	0.31	2.18	0.77	0.38
P90-CF	Crayfish	1	0.30	3.21	0.21	19.00	5.17	323.00	29.60	2.29	27.30	7.97	2.87	0.26
P91-CF	Crayfish	1	0.35	0.92	0.49	31.00	12.00	204.00	20.40	2.14	13.40	10.70	2.60	0.81
P92-CF	Crayfish	1	153.39	1.34	0.54	15.60	2.98	78.80	15.10	0.33	9.47	7.26	0.67	0.75
P94-CF	Crayfish	1	527.99	0.60	0.10	17.70	3.12	140.00	16.70	0.65	12.30	8.06	0.82	0.53
P98-CF	Crayfish	1	0.11	0.32	0.10	17.40	3.29	129.00	20.10	0.63	16.60	7.72	0.77	0.47
SB-01	Smallmouth Bas	1	68.70	250.00	52.30	883.00	725.00	4920.00	654.00	304.00	226.00	457.00	150.00	69.60
SB-02	Smallmouth Bas	1	3090.00	18800.00	3490.00	16000.00	59800.00	#######	26600.00	17400.00	6500.00	12100.00	3890.00	1560.00
SB-03	Smallmouth Bas	1	1660.00	5770.00	1920.00	19000.00	31700.00	#######	31400.00	12900.00	9650.00	9940.00	1810.00	1280.00
SB-04	Smallmouth Bas	1	271.00	723.00	96.60	1720.00	1220.00	16100.00	2220.00	1400.00	428.00	2280.00	685.00	299.00
SB-05	Smallmouth Bas	1	81.40	294.00	67.50	966.00	1160.00	5540.00	735.00	403.00	239.00	661.00	233.00	106.00
SB-06	Smallmouth Bas	1	284.00	1210.00	361.00	2950.00	6370.00	16800.00	2890.00	1520.00	961.00	2100.00	711.00	380.00
SB-07	Smallmouth Bas	1	130.00	365.00	77.50	1300.00	1180.00	8500.00	846.00	660.00	250.00	1140.00	493.00	171.00
SB-08	Smallmouth Bas	1	4370.00	24000.00	3460.00	25100.00	37500.00	#######	44600.00	24500.00	9350.00	18900.00	5310.00	2540.00
SB-09	Smallmouth Bas	1	185.00	462.00	75.20	1440.00	738.00	11200.00	1360.00	914.00	311.00	1310.00	520.00	191.00
SB-10	Smallmouth Bas	1	330.00	1330.00	244.00	3290.00	4390.00	23100.00	2390.00	1730.00	574.00	2570.00	1050.00	441.00
SB-11	Smallmouth Bas	1	41300.00	#######	53200.00	#######	#######	#######	#######	#######	#######	#######	60300.00	31600.00
SB-12	Smallmouth Bas	1	695.00	2050.00	251.00	7220.00	2150.00	48200.00	12800.00	3500.00	3650.00	4720.00	890.00	652.00
SB-13	Smallmouth Bas	1	3450.00	16700.00	1410.00	21800.00	11400.00	#######	38600.00	19700.00	7990.00	13700.00	3840.00	1760.00
SB-14	Smallmouth Bas	1	74.70	188.00	30.90	725.00	358.00	5570.00	541.00	366.00	161.00	727.00	301.00	106.00
SB-15	Smallmouth Bas	1	158.00	466.00	71.60	1180.00	756.00	8780.00	1200.00	737.00	270.00	994.00	380.00	134.00
SB-16	Smallmouth Bas	1	1480.00	7660.00	997.00	10300.00	12800.00	73000.00	16900.00	7890.00	4710.00	7860.00	1690.00	1000.00
SB-17	Smallmouth Bas	1	49200.00	#######	61000.00	#######	#######	#######	#######	#######	#######	#######	42900.00	22100.00
SB-18	Smallmouth Bas	1	7460.00	35300.00	6970.00	48400.00	86000.00	#######	83000.00	39300.00	21000.00	36200.00	8260.00	3960.00
SB-19	Smallmouth Bas	1	36.70	137.00	41.50	1430.00	709.00	7180.00	791.00	190.00	356.00	632.00	122.00	119.00
SF-01	Sculpin	1	34.30	63.50	7.37	304.00	57.50	2940.00	306.00	169.00	97.90	285.00	103.00	37.60
SF-02	Sculpin	1	70.60	74.50	5.71	845.00	49.80	13600.00	1220.00	380.00	322.00	1120.00	281.00	71.50
SF-04	Sculpin	1	2040.00	7460.00	1100.00	10500.00	8440.00	#######	21900.00	12800.00	5230.00	9460.00	2160.00	851.00
SF-05	Sculpin	1	1530.00	2330.00	195.00	7890.00	1360.00	#######	25400.00	11400.00	3520.00	12900.00	2240.00	830.00
SF-06	Sculpin	1	306.00	1220.00	191.00	1840.00	1480.00	14500.00	2020.00	1450.00	766.00	988.00	379.00	134.00
SF-07	Sculpin	1	46.30	115.00	16.80	525.00	109.00	4650.00	340.00	233.00	116.00	328.00	152.00	49.90
SF-08	Sculpin	1	56.80	130.00	14.20	570.00	105.00	5270.00	428.00	293.00	140.00	388.00	177.00	57.40
SF-09	Sculpin	1	22.30	53.50	8.62	310.00	65.20	2190.00	179.00	106.00	71.60	175.00	77.60	27.50

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
SF-10	Sculpin	1	56.30	161.00	22.30	420.00	158.00	3950.00	337.00	284.00	93.50	373.00	188.00	52.70
SF-11	Sculpin	1	40.10	65.40	5.07	538.00	40.90	6260.00	414.00	205.00	165.00	478.00	159.00	64.30
SF-12	Sculpin	1	62.60	123.00	31.20	935.00	808.00	5280.00	283.00	186.00	131.00	218.00	127.00	42.10
SF-13	Sculpin	1	22.30	66.60	8.04	216.00	53.40	1480.00	123.00	90.30	43.20	148.00	67.60	27.50
SF-14	Sculpin	1	78.30	148.00	21.10	840.00	128.00	7790.00	485.00	414.00	179.00	411.00	271.00	64.00
SF-15	Sculpin	1	22.90	47.90	2.30	547.00	17.80	4780.00	381.00	183.00	87.50	526.00	130.00	81.20
SF-16	Sculpin	1	31.30	81.50	10.40	977.00	82.60	8030.00	1550.00	150.00	671.00	392.00	112.00	44.50
SF-17	Sculpin	1	95.70	266.00	25.60	721.00	196.00	6930.00	759.00	552.00	193.00	641.00	227.00	102.00
SR-01	Sculpin	1	39.10	108.00	15.00	352.00	131.00	2900.00	183.00	195.00	70.80	212.00	110.00	39.40
SR-02	Sculpin	1	52.40	124.00	17.60	470.00	149.00	4190.00	239.00	268.00	91.20	245.00	153.00	43.80
SR-03	Sculpin	1	91.90	138.00	15.70	922.00	81.20	9000.00	464.00	504.00	175.00	528.00	361.00	80.50
SR-04	Sculpin	1	35.60	110.00	24.00	353.00	186.00	2290.00	148.00	173.00	60.60	186.00	100.00	34.80
SR-05	Sculpin	1	88.20	197.00	32.00	722.00	330.00	7430.00	438.00	482.00	149.00	560.00	304.00	78.80
SR-06	Sculpin	1	28.30	78.20	10.70	280.00	76.60	1950.00	140.00	148.00	51.90	188.00	91.30	33.80
SR-07	Sculpin	1	40.80	107.00	19.00	447.00	101.00	2930.00	187.00	206.00	77.00	188.00	113.00	35.20
SR-08	Sculpin	1	40.80	91.20	15.60	413.00	95.50	2960.00	192.00	219.00	73.90	196.00	121.00	36.50
SR-09	Sculpin	1	38.10	94.50	17.30	421.00	156.00	3130.00	178.00	191.00	81.10	181.00	112.00	33.80
SR-10	Sculpin	1	53.30	135.00	26.10	531.00	322.00	4000.00	270.00	265.00	101.00	281.00	150.00	49.70
SR-11	Sculpin	1	80.60	144.00	21.40	769.00	164.00	6740.00	374.00	415.00	142.00	425.00	263.00	65.10
SR-12	Sculpin	1	66.60	155.00	21.50	645.00	139.00	5350.00	322.00	338.00	136.00	340.00	190.00	58.70
SR-13	Sculpin	1	65.50	155.00	23.70	642.00	243.00	7400.00	402.00	383.00	170.00	297.00	177.00	46.00
SR-14	Sculpin	1	42.90	138.00	35.60	517.00	315.00	3230.00	203.00	215.00	96.80	205.00	120.00	41.60
SR-15	Sculpin	1	60.80	90.10	7.52	627.00	64.20	6360.00	402.00	356.00	146.00	398.00	221.00	56.00
SR-16	Sculpin	1	35.40	81.90	11.60	410.00	119.00	4080.00	193.00	194.00	91.00	186.00	108.00	31.30
SR-17	Sculpin	1	71.50	188.00	21.30	661.00	158.00	5380.00	350.00	395.00	139.00	342.00	194.00	60.00
SR-18	Sculpin	1	57.00	199.22	21.10	617.00	225.00	4970.00	257.00	314.00	99.20	252.00	150.00	48.70
SUCKER	Largescale Suck	1	324.00	1610.00	530.00	4360.00	13000.00	26400.00	1770.00	1760.00	565.00	2190.00	1120.00	478.00
LW3-W3035-NB-C	surface water fro	3	0.13	1.38	0.35	1.63	9.97	8.01	0.40	0.59	0.17	0.94	0.33	0.20
LW3-W3035-NB-F	surface water fro	3	0.58	6.71	1.62	7.11	35.40	35.90	2.58	2.77	1.01	12.40	3.95	2.03
LW3-W3035-NS-C	surface water fro	3	0.05	1.96	0.61	2.11	13.80	10.60	0.52	0.75	0.10	1.00	0.42	0.21
LW3-W3035-NS-F	surface water fro	3	0.36	4.74	1.07	4.19	22.10	23.50	1.95	1.96	0.78	8.08	2.59	1.39
SB-20	Smallmouth Bas	1	87.50	324.00	110.00	1020.00	2400.00	5530.00	468.00	439.00	193.00	438.00	238.00	84.60
SB-21	Smallmouth Bas	1	79.30	255.00	81.50	939.00	1450.00	5250.00	402.00	393.00	169.00	457.00	242.00	94.60

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
SB-22	Smallmouth Bas	1	89.50	275.00	109.00	978.00	1920.00	5040.00	378.00	435.00	157.00	406.00	249.00	79.80
SB-23	Smallmouth Bas	1	37.40	153.00	48.40	429.00	1060.00	2510.00	194.00	188.00	84.30	260.00	122.00	57.70
SB-24	Smallmouth Bas	1	253.00	1490.00	243.00	2540.00	3250.00	15500.00	1390.00	1220.00	536.00	1950.00	766.00	376.00
SB-25	Smallmouth Bas	1	73.60	337.00	99.90	767.00	1980.00	4230.00	490.00	396.00	181.00	398.00	208.00	83.60
SB-26	Smallmouth Bas	1	75.50	269.00	70.90	901.00	1400.00	5710.00	448.00	391.00	168.00	498.00	241.00	93.30
SB-27	Smallmouth Bas	1	258.00	660.00	98.10	2380.00	1340.00	18200.00	1890.00	1420.00	571.00	2180.00	966.00	305.00
SB-28	Smallmouth Bas	1	59.30	191.00	73.80	811.00	1470.00	4080.00	290.00	328.00	117.00	370.00	214.00	75.70
SB-29	Smallmouth Bas	1	62.50	225.00	65.30	1080.00	1250.00	5650.00	430.00	302.00	211.00	459.00	201.00	86.30
SB-30	Smallmouth Bas	1	123.00	432.00	153.00	1420.00	3160.00	7260.00	638.00	616.00	242.00	693.00	380.00	138.00
SB-31	Smallmouth Bas	1	70.50	182.00	40.20	1550.00	640.00	9040.00	882.00	402.00	380.00	831.00	305.00	114.00
SB-32	Smallmouth Bas	1	73.90	244.00	83.90	924.00	1720.00	5090.00	447.00	406.00	180.00	480.00	246.00	86.50
SB-33	Smallmouth Bas	1	771.00	3540.00	755.00	11400.00	13000.00	69500.00	20000.00	4520.00	6540.00	7510.00	1020.00	869.00
SB-34	Smallmouth Bas	1	68.10	288.00	84.10	899.00	1610.00	4850.00	420.00	412.00	175.00	491.00	245.00	98.00
SB-35	Smallmouth Bas	1	108.00	420.00	83.60	1320.00	1310.00	8170.00	786.00	606.00	286.00	866.00	389.00	159.00
SB-36	Smallmouth Bas	1	136.00	484.00	174.00	1790.00	3260.00	9180.00	714.00	798.00	242.00	887.00	548.00	193.00
SB-37	Smallmouth Bas	1	87.00	313.00	85.60	1210.00	1440.00	7410.00	557.00	490.00	276.00	636.00	345.00	115.00
SB-38	Smallmouth Bas	1	96.90	351.00	123.00	1230.00	2140.00	5650.00	544.00	557.00	198.00	522.00	311.00	101.00
LW3-STW-CW10-WR14	stormwater	3	242.00	66.60	1.60	42.90	1.45	281.00	36.30	39.30	5.29	66.80	2.51	2.04
LW3-STW-CW30-WR14	stormwater	3	30.35	5.65	3.26	5.20	2.02	98.10	13.90	4.74	5.38	8.01	4.68	3.92
LW3-STW-CW40-WR14	stormwater	3	435.00	137.00	17.22	83.40	13.96	561.00	83.30	93.90	35.10	157.00	43.50	29.90
LW3-STW-CW10-OF18	stormwater	3	20800.00	5180.00	1290.00	3230.00	630.00	21100.00	2580.00	3170.00	968.00	4040.00	1180.00	727.00
LW3-STW-CW10-OF18-2	stormwater	3	4950.00	1320.00	323.00	784.00	97.60	5410.00	410.00	645.00	206.00	1580.00	427.00	283.00
LW3-STW-CW10-OF19	stormwater	3	1260.00	331.00	81.90	213.00	3.32	1480.00	132.00	167.00	55.00	425.00	113.00	75.40
LW3-STW-CW10-OF19D	stormwater	3	1020.00	274.00	63.30	172.00	0.70	1240.00	115.00	141.00	48.00	381.00	111.00	66.10
LW3-STW-CW20-OF18	stormwater	3	4910.00	1150.00	329.00	639.00	104.00	4590.00	357.00	557.00	175.00	1370.00	377.00	250.00
LW3-STW-CW30-OF18	stormwater	3	3950.00	929.00	245.00	537.00	70.90	3860.00	324.00	441.00	152.00	1180.00	329.00	224.00
LW3-STW-CW30-OF19	stormwater	3	3440.00	837.00	215.00	484.00	75.00	3490.00	356.00	422.00	155.00	893.00	264.00	152.00
LW3-STW-CW40-OF19	stormwater	3	559.00	153.00	12.05	81.10	1.45	635.00	54.90	79.40	27.30	207.00	49.80	37.60
LW3-STW-CW40-OF19D	stormwater	3	574.00	148.00	34.80	88.30	8.82	644.00	68.30	82.40	5.47	190.00	63.70	38.10
LW3-STW-GW10-OF18-2-T	stormwater	3	333.00	81.00	6.28	49.80	6.06	336.00	31.30	41.20	15.40	107.00	29.60	7.13
LW3-STW-GW10-OF18-D	stormwater	3	34.50	5.65	6.28	5.20	3.15	33.30	2.71	4.74	2.45	8.01	4.68	7.13
LW3-STW-GW10-OF18-T	stormwater	3	415.00	109.00	6.70	69.80	3.57	447.00	40.30	56.90	5.29	138.00	36.50	7.41
WLCT4C07OF53070324	stormwater	3	1630.00	435.00	98.30	259.00	43.90	1770.00	236.00	276.00	95.90	445.00	126.00	87.50

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
WLCT4C07OF53070407	stormwater	3	744.00	185.00	44.60	118.00	3.15	751.00	87.00	113.00	43.80	266.00	77.00	56.00
WLCT4C07OF53070503	stormwater	3	2820.00	861.00	184.00	520.00	6.08	3580.00	463.00	579.00	180.00	880.00	239.00	154.00
LW3-STW2-CW10-OF49	stormwater	3	107.00	30.90	1.67	5.20	0.35	125.00	15.00	4.74	6.70	43.10	3.26	2.69
LW3-STW-CW10-OF49	stormwater	3	93.30	5.65	2.26	5.45	2.26	85.70	9.26	4.74	1.78	8.01	3.37	2.77
LW3-STW-CW20-OF49	stormwater	3	36.00	29.70	6.28	8.75	3.15	135.00	15.70	8.02	3.56	44.80	8.24	7.13
LW3-STW2-CW10-OF22B	stormwater	3	2170.00	826.00	156.00	423.00	51.70	3410.00	402.00	368.00	154.00	1030.00	271.00	153.00
LW3-STW2-CW20-OF22B	stormwater	3	815.00	259.00	50.10	167.00	1.88	1170.00	147.00	168.00	60.70	309.00	79.70	54.30
LW3-STW2-CW20-OF22B-	stormwater	3	915.00	288.00	62.90	182.00	0.49	1330.00	171.00	191.00	68.90	355.00	16.75	59.10
LW3-STW-CW10-OF22B	stormwater	3	5630.00	1520.00	351.00	784.00	101.00	6080.00	579.00	728.00	224.00	1890.00	505.00	367.00
LW3-STW-CW20-OF22B	stormwater	3	7660.00	2170.00	465.00	1330.00	151.00	9780.00	1020.00	1030.00	404.00	2550.00	749.00	483.00
LW3-STW-GW10-OF22B-D	stormwater	3	13.54	9.15	3.26	5.20	1.45	12.05	2.43	4.74	1.78	12.89	4.68	3.92
LW3-STW-GW10-OF22B-T	stormwater	3	1190.00	299.00	66.00	198.00	29.90	1290.00	120.00	168.00	58.80	330.00	90.00	68.00
LW3-STW2-CW10-OF22C	stormwater	3	17.63	9.15	6.70	9.23	3.57	43.40	6.32	8.39	3.37	12.89	8.59	7.41
LW3-STW-CW10-OF22C	stormwater	3	13.54	9.15	6.28	8.75	3.15	35.90	2.69	8.02	2.41	12.89	8.24	7.13
LW3-STW-CW10-OF22C-2	stormwater	3	52.10	5.65	6.70	5.20	3.44	41.70	2.69	4.74	1.78	12.89	4.68	3.92
LW3-STW-CW20-OF22C	stormwater	3	13.54	9.15	4.32	8.75	2.02	12.05	1.84	8.02	1.78	12.89	12.98	5.08
LW3-STW-CW20-OF22C-2	stormwater	3	15.67	5.65	1.67	5.20	0.67	12.05	2.43	3.36	1.78	8.01	3.26	2.69
LW3-STW-CW20-WR107	stormwater	3	74.30	13.29	4.58	13.17	2.12	50.70	9.53	8.02	5.71	18.64	8.24	7.13
LW3-STW-CW30-WR107	stormwater	3	223.00	37.00	6.28	8.75	3.15	156.00	23.40	8.02	2.90	15.13	8.24	7.13
LW3-STW-CW40-WR107	stormwater	3	236.00	58.00	6.28	39.70	3.15	249.00	30.30	36.10	5.29	73.40	8.24	7.13
LW3-STW-GW10-WR107-D	stormwater	3	17.63	13.29	14.90	13.97	11.72	12.05	1.46	12.13	1.09	18.64	16.69	15.14
LW3-STW-GW10-WR107-T	stormwater	3	165.00	38.60	6.28	27.20	6.06	149.00	19.20	28.20	9.27	42.10	8.24	7.13
LW3-W3031-NB-C	surface water fro	3	0.08	0.50	0.33	0.85	4.19	3.24	0.22	0.24	0.14	0.23	0.11	0.08
LW3-W3031-NB-F	surface water fro	3	0.07	1.59	0.35	0.86	7.25	8.23	0.36	0.72	0.08	0.66	0.77	0.43
LW3-W3031-NS-C	surface water fro	3	0.06	0.44	0.15	0.44	4.41	3.79	0.14	0.29	0.06	0.43	0.19	0.08
LW3-W3031-NS-F	surface water fro	3	0.08	0.24	0.06	0.60	1.39	1.69	0.29	0.13	0.06	0.52	0.07	0.08
LW3-STW-CW10-WR147	stormwater	3	15300.00	3980.00	900.00	2850.00	522.00	19600.00	2120.00	2430.00	1010.00	4760.00	1350.00	1380.00
LW3-STW-CW20-WR147	stormwater	3	50600.00	12700.00	2930.00	8820.00	1660.00	62400.00	7110.00	7920.00	3130.00	14700.00	4150.00	4240.00
LW3-STW-CW30-WR147	stormwater	3	9350.00	2430.00	515.00	1650.00	325.00	11200.00	1510.00	1650.00	628.00	2690.00	737.00	700.00
LW3-W3036-NB-C	surface water fro	3	0.08	0.34	0.26	0.83	2.40	3.31	0.22	0.13	0.10	0.40	0.15	0.11
LW3-W3036-NB-F	surface water fro	3	0.07	1.93	0.34	0.95	8.60	9.60	0.40	0.96	0.45	0.77	1.02	0.68
LW3-W3036-NS-C	surface water fro	3	0.03	0.43	0.20	0.57	4.18	3.48	0.28	0.33	0.08	0.41	0.16	0.10
LW3-W3036-NS-F	surface water fro	3	0.07	1.39	0.37	1.35	6.73	6.96	0.89	0.72	0.34	2.02	0.70	0.40

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
LW3-STW2-CW10-H30	stormwater	3	446.00	171.00	2.26	84.50	0.97	645.00	77.50	76.80	31.20	202.00	54.10	35.70
LW3-STW2-CW20-H30B	stormwater	3	715.00	197.00	45.80	120.00	0.94	868.00	100.00	120.00	38.90	263.00	71.40	48.80
LW3-STW2-CW30-H30	stormwater	3	382.00	109.00	2.15	69.10	0.90	457.00	52.80	69.50	23.90	136.00	9.49	2.69
LW3-STW2-CW30-H30B	stormwater	3	1310.00	360.00	81.50	224.00	33.10	1610.00	203.00	230.00	83.20	460.00	121.00	78.80
LW3-STW2-CW40-H30	stormwater	3	1000.00	272.00	59.00	170.00	26.50	1210.00	142.00	171.00	60.30	356.00	94.60	58.60
LW3-STW2-CW40-H30B	stormwater	3	600.00	185.00	40.10	121.00	1.61	813.00	93.40	111.00	38.60	234.00	64.80	39.60
LW3-STW2-CW50-H30B	stormwater	3	1210.00	342.00	82.30	202.00	27.10	1440.00	161.00	195.00	63.90	450.00	124.00	71.20
LW3-W3029-NB-C	surface water fro	3	0.04	0.65	0.12	0.82	4.36	4.17	0.20	0.36	0.11	0.41	0.13	0.12
LW3-W3029-NB-F	surface water fro	3	0.10	1.25	0.25	1.13	5.43	6.03	0.28	0.56	0.25	1.94	0.59	0.12
LW3-W3029-NS-C	surface water fro	3	0.05	0.73	0.25	0.75	4.43	4.17	0.26	0.31	0.11	0.41	0.21	0.08
LW3-W3029-NS-F	surface water fro	3	0.12	1.28	0.25	1.34	5.81	6.96	0.72	0.64	0.27	2.11	0.73	0.14
ST03a-Sed01	Sediment	2	2.71	32.10	7.30	35.50	144.00	201.00	20.70	16.40	7.62	61.10	14.50	9.69
ST04a-Sed01	Sediment	2	18.80	204.00	55.90	210.00	1020.00	1210.00	133.00	96.90	48.80	331.00	82.00	47.90
ST04a-Sed101	Sediment	2	18.10	204.00	52.00	213.00	989.00	1280.00	124.00	93.20	49.20	383.00	89.70	53.50
ST04b-Sed01	Sediment	2	3.63	46.90	10.40	44.60	199.00	282.00	26.90	21.70	11.60	84.10	19.30	13.30
ST05a-Sed01	Sediment	2	8.99	107.00	24.50	116.00	468.00	631.00	68.00	48.30	25.30	189.00	43.00	26.50
ST05b-Sed01	Sediment	2	6.44	76.60	19.40	86.70	350.00	470.00	39.90	37.30	16.80	133.00	35.50	23.30
ST07a-Sed01	Sediment	2	1.30	14.50	3.65	17.00	70.80	91.70	7.56	6.70	3.07	27.70	7.26	4.81
ST08a-Sed01	Sediment	2	4.25	65.80	15.10	65.10	277.00	354.00	36.10	29.60	13.30	87.30	24.60	15.80
ST14a-Sed01	Sediment	2	4.76	57.10	13.80	60.60	261.00	336.00	33.80	27.10	12.60	89.60	23.30	14.50
ST15a-Sed01	Sediment	2	1.22	17.50	3.66	17.80	71.00	103.00	9.81	8.25	3.87	32.50	8.39	5.54
ST16a-Sed01	Sediment	2	0.37	1.68	0.35	2.08	7.98	10.90	1.03	0.88	0.48	3.04	0.87	0.59
ST17a-Sed01	Sediment	2	6.69	86.30	20.20	89.30	370.00	500.00	52.80	41.30	19.00	141.00	30.40	19.40
ST18a-Sed01	Sediment	2	4.77	120.00	29.50	86.90	474.00	576.00	38.30	35.90	13.70	235.00	66.90	42.10
ST21a-Sed01	Sediment	2	3.00	27.70	6.78	37.40	146.00	205.00	17.30	12.80	7.50	60.00	16.40	11.20
ST22a-Sed01	Sediment	2	0.47	4.38	1.00	6.02	20.00	29.70	2.80	2.14	1.15	8.67	2.39	1.48
LW3-W3030-NB-C	surface water fro	3	0.08	1.11	0.18	0.98	6.00	5.79	0.42	0.53	0.17	0.87	0.20	0.12
LW3-W3030-NB-F	surface water fro	3	0.07	2.35	0.54	1.94	9.84	11.00	1.15	1.03	0.42	4.26	1.25	0.76
LW3-W3030-NS-C	surface water fro	3	0.09	1.01	0.34	1.00	5.82	5.46	0.24	0.51	0.17	0.86	0.34	0.19
LW3-W3030-NS-F	surface water fro	3	0.07	2.53	0.53	2.01	11.10	11.80	1.46	1.11	0.47	3.69	1.05	0.82
LW3-STW-CW10-OF16	stormwater	3	5210.00	1500.00	299.00	822.00	134.00	5800.00	1010.00	1020.00	362.00	1580.00	402.00	247.00
LW3-STW-CW20-OF16	stormwater	3	8920.00	2310.00	601.00	1250.00	170.00	9680.00	967.00	1210.00	415.00	2690.00	753.00	485.00
LW3-STW-CW30-OF16	stormwater	3	2350.00	687.00	126.00	358.00	57.70	2750.00	309.00	367.00	129.00	798.00	211.00	153.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
LW3-STW-CW10-OFM1	stormwater	3	155.00	41.40	2.26	32.70	0.90	167.00	20.10	3.36	9.48	48.80	3.26	2.69
LW3-STW-CW10-OFM2	stormwater	3	484.00	124.00	6.70	79.30	3.57	538.00	48.10	61.30	32.10	226.00	59.60	53.10
LW3-STW-CW20-OFM1	stormwater	3	383.00	93.80	2.15	66.00	0.90	428.00	31.10	46.00	14.60	70.20	3.26	2.69
LW3-STW-CW20-OFM1D	stormwater	3	26400.00	5350.00	1670.00	3560.00	837.00	24700.00	2140.00	3740.00	902.00	1270.00	579.00	245.00
LW3-STW-CW20-OFM2	stormwater	3	97.80	9.15	11.60	8.75	6.45	97.20	8.89	8.02	5.96	32.80	12.98	11.59
LW3-STW-CW30-OFM1	stormwater	3	482.00	117.00	26.40	82.60	3.15	524.00	63.70	67.10	24.90	164.00	47.40	7.89
LW3-STW-CW30-OFM1D	stormwater	3	514.00	132.00	29.10	86.20	1.45	538.00	63.80	73.80	27.70	169.00	45.90	27.60
LW3-STW-CW30-OFM2	stormwater	3	251.00	58.40	6.70	9.63	8.82	249.00	28.20	31.00	14.00	60.80	8.24	7.13
LW3-STW-CW40-OFM2	stormwater	3	266.00	84.20	8.76	51.90	4.70	340.00	34.40	44.10	19.00	114.00	37.70	9.63
LW3-STW-CW40-OFM2-2	stormwater	3	235.00	67.90	15.86	48.50	9.85	264.00	7.46	38.30	15.90	25.94	27.60	16.37
AI_1	Sediment	2	0.09	2.82	0.27	4.79	22.70	27.30	3.14	2.39	0.24	6.86	0.60	0.37
AI_11_C	Sediment	2	0.09	0.73	0.23	0.81	4.54	4.46	0.40	0.57	0.20	1.44	0.38	0.28
AI_13_C	Sediment	2	0.10	4.12	1.49	6.13	26.90	38.00	3.78	3.28	0.30	8.35	3.21	1.37
AI_20_C_GS	Sediment	2	0.69	4.80	1.70	6.86	31.80	41.20	4.42	3.60	1.57	9.64	3.35	1.88
AI_5_C	Sediment	2	0.09	3.49	1.36	5.32	24.30	34.00	3.46	2.81	1.36	7.14	0.38	1.36
CPS_0	Sediment	2	11.30	45.70	22.10	93.30	437.00	618.00	70.60	56.50	27.60	136.00	56.80	21.80
CPS_1	Sediment	2	3.71	17.50	6.75	33.10	152.00	204.00	21.40	17.50	9.64	42.30	17.60	8.18
CPS_3	Sediment	2	2.74	13.90	5.96	26.40	124.00	161.00	18.40	14.10	7.38	35.50	13.70	6.74
CPS_4	Sediment	2	0.11	11.10	4.23	16.90	76.00	108.00	11.80	9.17	5.40	22.50	8.67	3.21
CS-Control	Invertebrate Tiss	1	69.70	6.20	2.52	50.59	55.80	95.00	16.63	5.82	7.02	23.24	10.02	6.68
FLO-Sed	Sediment	2	16.13	85.45	37.40	38.20	159.00	194.00	22.60	40.07	16.04	97.49	46.21	23.09
FLO-Sed-Dupe	Sediment	2	16.13	30.60	37.40	32.70	136.00	175.00	18.00	13.20	8.58	61.10	46.21	13.20
HC_1	Sediment	2	0.10	5.27	2.54	11.30	47.50	65.70	7.22	5.38	2.76	13.00	5.05	2.64
HC_2	Sediment	2	0.11	1.01	3.40	23.60	94.40	136.00	11.20	8.43	4.62	19.50	6.72	6.15
HC_3	Sediment	2	1.90	11.90	3.29	16.20	72.90	96.40	13.00	9.15	4.62	18.60	6.63	3.60
HC_6	Sediment	2	2.96	15.10	6.51	31.90	129.00	170.00	18.40	13.80	7.92	30.90	13.20	6.61
LMCS-A	Sediment	2	59.60	501.00	135.00	392.00	2240.00	2280.00	368.00	269.00	130.00	446.00	154.00	84.30
LMCS-B	Sediment	2	28.80	308.00	81.80	243.00	1310.00	1430.00	187.00	142.00	70.40	343.00	123.00	73.60
LMCS-C	Sediment	2	70.50	554.00	153.00	412.00	2510.00	2430.00	392.00	303.00	133.00	427.00	153.00	80.30
LMCS-Invert	Invertebrate Tiss	1	69.70	249.00	58.60	303.00	1600.00	1710.00	214.00	152.00	90.70	265.00	95.80	63.80
LMCS-Invert-Time zero	Invertebrate Tiss	1	69.70	6.20	2.52	149.00	455.00	766.00	68.90	27.40	29.10	64.70	28.60	14.80
LMCS-Sed	Sediment	2	58.90	542.00	144.00	416.00	2410.00	2430.00	374.00	280.00	135.00	550.00	196.00	109.00
LS-A	Sediment	2	44.80	431.00	131.00	358.00	2010.00	1950.00	279.00	203.00	101.00	476.00	161.00	99.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
LS-B	Sediment	2	39.70	387.00	118.00	326.00	1840.00	1790.00	241.00	179.00	89.40	422.00	147.00	87.60
LS-C	Sediment	2	46.50	477.00	111.00	389.00	1830.00	2190.00	351.00	251.00	126.00	766.00	182.00	126.00
LW2-C015-B	sediment	2	11600.00	2240.00	634.00	2110.00	444.00	11100.00	1540.00	1570.00	557.00	2310.00	662.00	395.00
LW2-C019-C1	sediment	2	12300.00	2350.00	672.00	1990.00	558.00	11300.00	1650.00	1630.00	604.00	2320.00	633.00	381.00
LW2-C019-D1	sediment	2	7060.00	500.00	139.00	1340.00	674.00	5330.00	570.00	409.00	202.00	754.00	213.00	126.00
LW2-C020-B	sediment	2	11700.00	2240.00	641.00	2110.00	534.00	11100.00	1340.00	1450.00	509.00	2600.00	743.00	456.00
LW2-C022-B	sediment	2	842.00	141.00	33.60	214.00	37.30	916.00	67.80	79.50	30.20	248.00	66.20	43.60
LW2-C022-C	sediment	2	1830.00	344.00	85.80	396.00	52.70	2070.00	180.00	196.00	75.70	587.00	173.00	105.00
LW2-C034-B	sediment	2	438.00	78.10	23.40	75.40	16.90	419.00	37.50	53.90	22.30	86.10	24.40	13.80
LW2-C277-B	sediment	2	6410.00	941.00	225.00	2000.00	163.00	7380.00	475.00	465.00	197.00	1980.00	615.00	380.00
LW2-C277-D	sediment	2	13500.00	2560.00	698.00	3690.00	251.00	15400.00	946.00	1150.00	349.00	4190.00	1260.00	720.00
LW2-C282-A	sediment	2	230.00	60.00	15.10	55.70	30.10	307.00	15.70	18.40	6.51	127.00	37.20	23.70
LW2-C290-B	sediment	2	709.00	133.00	34.50	144.00	11.60	760.00	43.40	41.00	16.80	236.00	69.20	41.80
LW2-C291-A	sediment	2	1590.00	379.00	93.70	321.00	83.10	2070.00	136.00	166.00	57.60	808.00	213.00	135.00
LW2-C291-B	sediment	2	1690.00	321.00	74.90	421.00	70.20	2010.00	144.00	159.00	60.90	622.00	174.00	109.00
LW2-C291-C	sediment	2	48300.00	15500.00	3180.00	9290.00	266.00	69000.00	4640.00	5770.00	1900.00	33300.00	8890.00	5170.00
LW2-C293-C	sediment	2	19200.00	4220.00	1140.00	4230.00	151.00	22800.00	1260.00	1590.00	476.00	7950.00	2330.00	1430.00
LW2-C303-B	sediment	2	3400.00	505.00	154.00	767.00	81.40	3480.00	218.00	247.00	90.00	881.00	258.00	158.00
LW2-C384-B	sediment	2	#######	#######	52400.00	#######	33700.00	#######	#######	#######	49700.00	#######	38800.00	20200.00
LW2-C384-BD	sediment	2	#######	54000.00	15400.00	35000.00	3580.00	#######	20000.00	23400.00	6980.00	78500.00	23900.00	15300.00
LW2-C384-C	sediment	2	4490.00	878.00	251.00	736.00	160.00	4470.00	622.00	650.00	224.00	1010.00	238.00	133.00
LW2-C393-B	sediment	2	16000.00	2870.00	837.00	3490.00	834.00	16000.00	1610.00	1940.00	675.00	3380.00	1010.00	578.00
LW2-C425-B1	sediment	2	2120.00	429.00	103.00	554.00	54.00	2400.00	183.00	205.00	82.00	914.00	254.00	166.00
LW2-C425-C1	sediment	2	3630.00	703.00	189.00	760.00	95.40	3750.00	290.00	353.00	131.00	1070.00	307.00	202.00
LW2-C425-E1	sediment	2	4120.00	895.00	251.00	834.00	86.80	4370.00	357.00	443.00	155.00	1310.00	375.00	242.00
LW2-C430-A	sediment	2	8910.00	1970.00	438.00	2010.00	283.00	10500.00	1180.00	1170.00	460.00	2720.00	772.00	473.00
LW2-C430-B	sediment	2	5080.00	884.00	229.00	1380.00	186.00	5810.00	414.00	446.00	174.00	1530.00	444.00	279.00
LW2-C430-C	sediment	2	9310.00	1430.00	408.00	3290.00	402.00	10900.00	627.00	629.00	247.00	2940.00	874.00	561.00
LW2-C430-E	sediment	2	16900.00	3580.00	1000.00	3910.00	362.00	19900.00	1620.00	1800.00	651.00	5340.00	1690.00	1010.00
LW2-C524-A	sediment	2	2250.00	528.00	134.00	378.00	134.00	2600.00	232.00	279.00	90.40	768.00	219.00	130.00
LW2-G006	sediment	2	619.00	132.00	34.00	119.00	21.30	729.00	72.80	81.80	31.90	210.00	54.50	37.10
LW2-G008	sediment	2	517.00	106.00	26.60	104.00	17.80	587.00	55.90	63.30	23.00	176.00	48.40	30.40
LW2-G022	sediment	2	556.00	123.00	28.40	112.00	21.90	650.00	64.50	74.00	27.90	197.00	52.00	34.70

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
LW2-G030	sediment	2	821.00	184.00	46.70	165.00	29.00	961.00	97.50	111.00	41.20	286.00	77.00	49.60
LW2-G260	sediment	2	149.00	25.40	9.23	24.60	6.83	133.00	9.99	15.30	5.80	45.30	13.00	7.92
LW2-G268	sediment	2	5240.00	982.00	291.00	975.00	107.00	5350.00	311.00	484.00	176.00	1650.00	457.00	288.00
LW2-G282	sediment	2	#######	29100.00	6230.00	24700.00	10000.00	#######	8700.00	10900.00	3630.00	63400.00	19200.00	11900.00
LW2-G282D	sediment	2	74100.00	23300.00	4360.00	22900.00	8260.00	#######	6110.00	7560.00	2620.00	53900.00	17100.00	10500.00
LW2-G295	sediment	2	4750.00	1090.00	241.00	1040.00	584.00	5910.00	312.00	410.00	132.00	2590.00	694.00	442.00
LW2-G295D	sediment	2	5130.00	1210.00	293.00	1160.00	677.00	6550.00	339.00	449.00	143.00	2970.00	780.00	509.00
LW2-G296	sediment	2	9650.00	2370.00	580.00	1830.00	885.00	11900.00	630.00	871.00	262.00	5150.00	1370.00	863.00
LW2-G297	sediment	2	2670.00	534.00	134.00	554.00	78.60	2970.00	239.00	275.00	105.00	912.00	254.00	155.00
LW2-G303	sediment	2	5420.00	1300.00	293.00	1180.00	598.00	6790.00	342.00	471.00	149.00	2950.00	799.00	518.00
LW2-G306	sediment	2	273.00	48.70	13.00	51.70	9.86	280.00	20.10	24.40	9.25	85.10	24.60	14.90
LW2-G313	sediment	2	7170.00	1230.00	341.00	1520.00	131.00	7910.00	500.00	477.00	195.00	2330.00	692.00	441.00
LW2-G393	sediment	2	#######	#######	83900.00	#######	20100.00	#######	77700.00	#######	29800.00	#######	#######	69900.00
LW2-G425	sediment	2	754.00	152.00	45.20	122.00	18.30	719.00	51.60	72.50	28.00	287.00	78.20	55.70
LW2-G481	sediment	2	774.00	128.00	42.30	128.00	46.10	705.00	67.10	77.10	26.80	184.00	52.00	32.00
LW2-G484	sediment	2	818.00	168.00	51.60	124.00	32.20	853.00	59.70	75.20	26.90	313.00	88.60	55.90
LW2-G487	sediment	2	735.00	119.00	40.10	89.40	10.14	580.00	41.20	62.30	19.80	177.00	50.00	29.90
LW2-G502	sediment	2	3490.00	662.00	204.00	406.00	68.90	2930.00	161.00	324.00	97.20	969.00	280.00	162.00
LW2-G505	sediment	2	482.00	104.00	28.50	75.70	15.90	513.00	48.80	62.60	20.00	124.00	38.70	24.60
LW2-G507	sediment	2	3560.00	621.00	221.00	422.00	75.40	3380.00	165.00	233.00	69.10	1350.00	377.00	230.00
LW2-GBT016	sediment	2	#######	71100.00	20000.00	37500.00	8950.00	#######	16700.00	24600.00	6510.00	#######	37900.00	22300.00
LW2-T01 SC	tissue	1	51.80	1230.00	159.00	1680.00	3200.00	8470.00	715.00	661.00	329.00	2610.00	552.00	617.00
LW2-T01-NOAA SC	tissue	1	37.40	781.00	149.00	736.00	3120.00	4470.00	279.00	354.00	140.00	997.00	345.00	252.00
LW2-T01-REP1	tissue	1	95.20	6660.00	1060.00	4060.00	19700.00	31300.00	1690.00	2080.00	684.00	12500.00	3480.00	2130.00
LW2-T01-REP2	tissue	1	62.00	1250.00	205.00	1220.00	3710.00	8130.00	608.00	581.00	252.00	1920.00	464.00	386.00
LW2-T01-REP3	tissue	1	56.40	1170.00	191.00	1160.00	3340.00	8050.00	553.00	562.00	232.00	1950.00	467.00	391.00
LW2-T02 SC	tissue	1	21.18	598.00	107.00	669.00	2220.00	3820.00	306.00	312.00	134.00	820.00	227.00	191.00
LW2-T02-NOAA SC	tissue	1	43.10	466.00	90.80	563.00	1930.00	2760.00	199.00	233.00	76.20	598.00	159.00	125.00
LW2-T02-REP1	tissue	1	69.70	1230.00	191.00	1270.00	3870.00	7470.00	517.00	517.00	224.00	1940.00	451.00	387.00
LW2-T02-REP2	tissue	1	73.70	1370.00	204.00	1390.00	4210.00	8790.00	749.00	659.00	315.00	2200.00	508.00	394.00
LW2-T02-REP3	tissue	1	83.90	1380.00	236.00	1430.00	4720.00	8670.00	656.00	669.00	254.00	2020.00	498.00	390.00
LW2-T03 SC	tissue	1	80.70	3700.00	702.00	2970.00	12400.00	17700.00	504.00	1080.00	418.00	5340.00	1480.00	1060.00
LW2-T03-REP1	tissue	1	144.00	4510.00	763.00	4500.00	18100.00	27800.00	1030.00	1560.00	622.00	9220.00	2180.00	1660.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
LW2-T03-REP2	tissue	1	133.00	2250.00	351.00	3060.00	8870.00	15800.00	564.00	802.00	314.00	4490.00	1050.00	888.00
LW2-T03-REP3	tissue	1	176.00	3180.00	536.00	3670.00	13000.00	22000.00	1070.00	1270.00	526.00	5580.00	1320.00	1060.00
LW2-T04 SC	tissue	1	10.60	99.80	17.40	171.00	466.00	842.00	83.80	73.40	36.20	149.00	37.90	35.90
LW2-T04-REP1	tissue	1	13.20	138.00	24.10	209.00	588.00	1270.00	111.00	96.10	46.10	237.00	56.50	50.10
LW2-T04-REP2	tissue	1	24.30	251.00	47.90	350.00	985.00	2120.00	196.00	173.00	77.20	399.00	101.00	82.50
LW2-T04-REP3	tissue	1	18.70	167.00	31.10	252.00	656.00	1590.00	147.00	122.00	57.90	279.00	64.80	59.00
LW2-W005 C	surface water fro	3	0.04	0.67	0.18	0.67	3.80	3.19	0.14	0.25	0.06	0.28	0.13	0.07
LW2-W005 F	surface water fro	3	0.07	1.18	0.25	1.08	4.74	5.36	0.43	0.46	0.16	2.26	0.68	0.39
LW2-W011 C	surface water fro	3	0.09	1.31	0.36	1.22	7.17	6.07	0.26	0.45	0.12	0.84	0.33	0.17
LW2-W011 F	surface water fro	3	0.13	2.51	0.54	2.37	10.20	11.30	0.77	0.88	0.31	5.08	1.58	0.94
LW2-W013-1 C	surface water fro	3	0.22	4.64	1.27	4.07	24.50	20.70	0.70	1.33	0.33	3.15	1.17	0.66
LW2-W013-1 F	surface water fro	3	1.64	47.00	8.95	43.00	169.00	206.00	10.20	13.60	4.54	101.00	31.10	19.90
LW2-W013-2 C	surface water fro	3	0.17	3.60	1.03	3.21	20.20	15.90	0.48	1.03	0.25	1.82	0.74	0.40
LW2-W013-2 F	surface water fro	3	1.10	34.60	6.72	30.40	122.00	150.00	7.73	9.91	3.35	77.80	22.80	14.10
LW2-W015 C	surface water fro	3	0.11	1.34	0.36	1.32	6.47	6.02	0.34	0.52	0.14	0.81	0.35	0.19
LW2-W015 F	surface water fro	3	0.50	5.83	1.38	4.30	21.70	23.20	3.10	2.74	1.04	7.58	2.52	1.39
LW2-W016 C	surface water fro	3	0.04	0.45	0.14	0.45	2.68	2.12	0.12	0.19	0.05	0.21	0.09	0.05
LW2-W016 F	surface water fro	3	0.16	3.20	0.78	2.20	11.30	12.50	1.32	1.31	0.52	5.02	1.75	0.86
LW2-W018 C	surface water fro	3	0.09	1.03	0.33	1.18	6.79	5.75	0.28	0.45	0.12	0.67	0.27	0.13
LW2-W018 F	surface water fro	3	0.33	3.81	0.85	4.37	17.90	20.00	1.59	1.68	0.63	7.81	2.34	1.29
LW2-W023 C	surface water fro	3	0.02	0.15	0.05	0.17	0.93	0.80	0.06	0.08	0.01	0.11	0.02	0.02
LW2-W023 F	surface water fro	3	0.13	14.30	3.30	7.31	46.10	52.20	2.96	4.13	1.08	22.20	7.22	4.13
LW2-W2005 C	surface water fro	3	0.07	0.93	0.29	1.01	5.51	4.46	0.22	0.36	0.10	0.49	0.23	0.11
LW2-W2005 F	surface water fro	3	0.14	2.37	0.49	2.06	9.61	10.60	0.89	0.96	0.35	4.36	1.42	0.80
LW2-W2011 C	surface water fro	3	0.08	0.95	0.30	1.17	5.35	4.79	0.25	0.38	0.10	0.51	0.19	0.11
LW2-W2011 F	surface water fro	3	0.28	3.91	0.85	3.49	16.10	17.70	1.71	1.69	0.63	6.67	2.19	1.22
LW2-W2013-1 C	surface water fro	3	0.43	10.80	3.28	9.53	61.10	49.20	1.37	2.91	0.63	5.35	2.21	1.15
LW2-W2013-1 F	surface water fro	3	5.23	192.00	31.70	129.00	647.00	775.00	37.80	54.40	16.30	406.00	114.00	61.70
LW2-W2013-2 C	surface water fro	3	0.16	4.26	1.18	3.53	21.30	17.90	0.64	1.25	0.28	2.54	1.05	0.57
LW2-W2013-2 F	surface water fro	3	0.53	29.80	4.78	21.90	93.90	116.00	6.22	8.56	2.73	52.00	15.10	8.35
LW2-W2015 C	surface water fro	3	0.09	0.96	0.30	1.19	5.35	4.70	0.33	0.43	0.11	0.60	0.23	0.14
LW2-W2015 F	surface water fro	3	0.29	3.86	0.77	3.08	14.00	14.90	1.38	1.50	0.58	5.20	1.79	0.97
LW2-W2016 C	surface water fro	3	0.07	0.71	0.22	0.86	3.91	3.33	0.21	0.31	0.09	0.38	0.17	0.09

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
LW2-W2016 F	surface water fro	3	0.19	2.21	0.47	2.03	9.20	9.61	0.97	1.00	0.38	3.19	1.10	0.55
LW2-W2018 C	surface water fro	3	0.39	4.46	1.42	5.59	30.10	24.00	0.91	1.61	0.38	2.05	0.89	0.48
LW2-W2018 F	surface water fro	3	1.52	19.90	4.34	20.60	111.00	98.10	6.32	7.82	2.58	26.40	8.57	4.11
LW2-W2023 C	surface water fro	3	0.03	0.27	0.09	0.33	1.64	1.49	0.11	0.14	0.04	0.17	0.07	0.02
LW2-W2023 F	surface water fro	3	0.07	0.74	0.17	0.75	3.28	3.54	0.38	0.37	0.14	1.09	0.38	0.23
LW2-W3005 C	surface water fro	3	0.11	1.37	0.41	1.41	7.99	6.26	0.33	0.53	0.14	0.86	0.35	0.17
LW2-W3005 F	surface water fro	3	0.17	2.45	0.46	2.36	8.46	11.10	1.29	1.17	0.52	5.97	2.12	1.28
LW2-W3011 C	surface water fro	3	0.14	1.37	0.47	1.53	8.24	6.52	0.34	0.57	0.14	0.88	0.38	0.19
LW2-W3011 F	surface water fro	3	0.16	2.28	0.48	2.29	9.00	11.80	1.17	1.15	0.46	5.41	1.84	1.09
LW2-W3013-1 C	surface water fro	3	0.53	13.70	3.72	10.80	66.30	56.90	2.09	3.97	0.95	11.40	4.39	2.26
LW2-W3013-1 F	surface water fro	3	3.12	112.00	21.50	70.30	370.00	463.00	23.90	35.30	10.30	201.00	72.20	47.40
LW2-W3013-2 C	surface water fro	3	0.76	19.60	5.24	15.80	97.30	82.80	2.77	5.69	1.30	14.80	6.10	3.01
LW2-W3015 C	surface water fro	3	0.14	1.67	0.55	1.79	9.40	7.62	0.38	0.65	0.16	0.47	0.52	0.10
LW2-W3015 F	surface water fro	3	0.32	4.19	0.98	3.86	16.90	19.40	1.62	1.77	0.64	6.90	2.17	0.02
LW2-W3016 C	surface water fro	3	0.14	1.52	0.49	1.54	7.91	6.85	0.43	0.66	0.17	1.06	0.48	0.23
LW2-W3016 F	surface water fro	3	0.44	5.24	1.11	4.23	19.60	21.60	2.22	2.34	0.90	6.92	2.98	1.75
LW2-W3018 C	surface water fro	3	0.28	2.94	1.00	3.21	18.20	14.50	0.73	1.31	0.34	1.94	0.84	0.38
LW2-W3018 F	surface water fro	3	0.40	5.32	1.16	4.56	21.90	25.60	2.08	2.56	0.88	10.30	3.08	1.76
LW2-W3023 C	surface water fro	3	0.09	0.72	0.26	0.87	4.89	3.80	0.25	0.36	0.11	0.54	0.26	0.04
LW2-W3023 F	surface water fro	3	0.11	1.18	0.27	1.46	5.15	6.12	0.73	0.67	0.26	2.53	0.90	0.54
LW3-C600-B	sediment	2	2350.00	459.00	119.00	622.00	81.50	2790.00	267.00	277.00	107.00	714.00	211.00	132.00
LW3-C600-C	sediment	2	5670.00	766.00	215.00	1360.00	250.00	5680.00	522.00	458.00	198.00	1280.00	370.00	230.00
LW3-C600-D	sediment	2	385.00	49.60	13.90	75.90	21.70	354.00	39.70	33.00	15.50	62.40	16.80	10.40
LW3-C601-B1	sediment	2	4860.00	771.00	220.00	1040.00	116.00	4960.00	362.00	394.00	141.00	1220.00	374.00	231.00
LW3-C601-B2	sediment	2	3600.00	544.00	158.00	705.00	108.00	3640.00	269.00	277.00	108.00	889.00	272.00	165.00
LW3-C602-B	sediment	2	859.00	163.00	40.80	243.00	29.30	1060.00	84.00	94.30	36.70	280.00	80.40	51.50
LW3-C602-C	sediment	2	3490.00	582.00	137.00	752.00	104.00	3650.00	296.00	309.00	119.00	1000.00	277.00	180.00
LW3-C602-D	sediment	2	5080.00	1020.00	263.00	1390.00	123.00	6560.00	514.00	519.00	204.00	1710.00	510.00	321.00
LW3-C604-B	sediment	2	893.00	167.00	39.30	228.00	49.20	1100.00	88.40	95.00	38.90	387.00	103.00	70.70
LW3-C604-C	sediment	2	2300.00	403.00	102.00	520.00	117.00	2600.00	206.00	222.00	86.00	707.00	194.00	125.00
LW3-C604-D	sediment	2	5420.00	909.00	200.00	6390.00	144.00	8890.00	432.00	446.00	171.00	1800.00	562.00	489.00
LW3-C605-B	sediment	2	825.00	156.00	39.00	175.00	29.20	928.00	86.60	93.40	34.60	244.00	69.60	43.50
LW3-C605-C	sediment	2	831.00	164.00	40.00	237.00	27.80	1070.00	83.30	89.70	36.40	293.00	82.70	55.60

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
LW3-C605-D	sediment	2	4680.00	976.00	230.00	1240.00	120.00	5980.00	486.00	505.00	195.00	1540.00	459.00	289.00
LW3-C606-B	sediment	2	502.00	76.60	23.00	103.00	26.30	492.00	33.60	41.40	14.40	116.00	31.10	20.70
LW3-C606-C	sediment	2	1660.00	235.00	70.10	411.00	67.10	1660.00	110.00	129.00	45.30	399.00	123.00	74.90
LW3-C608-B	sediment	2	2690.00	492.00	113.00	716.00	93.90	3350.00	235.00	253.00	99.80	914.00	270.00	168.00
LW3-C608-BD	sediment	2	2810.00	504.00	125.00	731.00	93.60	3470.00	257.00	277.00	105.00	889.00	259.00	164.00
LW3-C609-B	sediment	2	5220.00	858.00	230.00	1960.00	113.00	6150.00	285.00	341.00	116.00	1520.00	471.00	274.00
LW3-C609-C	sediment	2	4830.00	914.00	246.00	2040.00	45.90	7300.00	377.00	353.00	142.00	4560.00	1150.00	808.00
LW3-C609-D	sediment	2	148.00	15.10	5.57	32.00	3.64	140.00	4.72	5.66	2.53	38.70	12.50	6.72
LW3-C664-B	sediment	2	13400.00	2120.00	607.00	3040.00	249.00	13400.00	765.00	888.00	316.00	3960.00	1120.00	713.00
LW3-C664-C	sediment	2	364.00	35.80	7.77	116.00	10.00	366.00	14.70	16.80	7.00	88.20	27.40	18.90
LW3-C665-B	sediment	2	4670.00	725.00	163.00	1430.00	142.00	5550.00	317.00	339.00	132.00	1410.00	433.00	271.00
LW3-C665-C	sediment	2	9030.00	1500.00	378.00	2560.00	212.00	9960.00	570.00	615.00	232.00	2550.00	731.00	456.00
LW3-C665-D	sediment	2	1320.00	253.00	72.30	283.00	16.60	1440.00	84.50	95.30	32.10	396.00	119.00	74.60
LW3-C676-B	sediment	2	6120.00	817.00	212.00	1730.00	144.00	6430.00	333.00	309.00	129.00	1640.00	505.00	317.00
LW3-C678-B	sediment	2	5030.00	760.00	199.00	1230.00	132.00	5280.00	362.00	382.00	151.00	1370.00	396.00	257.00
LW3-C678-C	sediment	2	13600.00	2290.00	581.00	4850.00	269.00	15400.00	754.00	899.00	301.00	4610.00	1280.00	889.00
LW3-C678-D	sediment	2	3090.00	603.00	181.00	581.00	25.80	3650.00	179.00	230.00	73.30	1130.00	332.00	183.00
LW3-C679-B	sediment	2	1860.00	306.00	83.40	395.00	60.30	1870.00	142.00	158.00	59.80	531.00	155.00	99.50
LW3-C679-C	sediment	2	4400.00	817.00	233.00	1160.00	121.00	4990.00	383.00	455.00	164.00	1380.00	415.00	260.00
LW3-C679-D	sediment	2	10500.00	2010.00	534.00	2210.00	222.00	11200.00	844.00	1050.00	342.00	3140.00	892.00	579.00
LW3-C686-B	sediment	2	1520.00	262.00	62.70	451.00	73.70	1770.00	123.00	136.00	53.10	433.00	128.00	81.90
LW3-C686-C	sediment	2	198.00	37.70	11.20	38.40	4.47	197.00	17.40	18.30	7.17	47.00	14.20	8.01
LW3-C688-B	sediment	2	579.00	123.00	32.70	137.00	17.70	718.00	60.10	70.30	26.10	193.00	55.10	37.10
LW3-C688-C	sediment	2	2880.00	579.00	154.00	600.00	72.50	3150.00	274.00	335.00	111.00	857.00	253.00	165.00
LW3-C688-D	sediment	2	6720.00	1620.00	435.00	1290.00	121.00	8120.00	639.00	799.00	239.00	2430.00	686.00	418.00
LW3-C688-F	sediment	2	2560.00	616.00	176.00	494.00	34.90	3280.00	233.00	293.00	88.20	962.00	283.00	175.00
LW3-C690-B	sediment	2	701.00	152.00	31.70	166.00	19.90	871.00	67.20	81.20	32.20	262.00	76.20	48.00
LW3-C690-C	sediment	2	2300.00	433.00	108.00	478.00	60.20	2510.00	197.00	223.00	85.00	708.00	203.00	128.00
LW3-C690-D	sediment	2	6800.00	1480.00	416.00	1260.00	126.00	7430.00	616.00	696.00	243.00	2160.00	651.00	404.00
LW3-C690-E	sediment	2	11800.00	2600.00	633.00	1930.00	167.00	12500.00	965.00	1110.00	356.00	3960.00	1120.00	680.00
LW3-C702-B	sediment	2	9540.00	1440.00	374.00	2120.00	274.00	9870.00	772.00	835.00	307.00	2310.00	674.00	409.00
LW3-C702-C	sediment	2	12700.00	2200.00	535.00	3280.00	310.00	14400.00	1120.00	1160.00	453.00	3650.00	1070.00	666.00
LW3-C702-D	sediment	2	2780.00	411.00	120.00	711.00	75.40	3040.00	210.00	215.00	81.60	704.00	221.00	120.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
LW3-C703-B	sediment	2	8110.00	1370.00	338.00	2920.00	203.00	10100.00	495.00	523.00	193.00	2590.00	777.00	460.00
LW3-C703-C	sediment	2	6160.00	914.00	253.00	2470.00	97.90	7100.00	264.00	300.00	104.00	1790.00	540.00	314.00
LW3-C708-B	sediment	2	#######	53900.00	14400.00	59900.00	8940.00	#######	34100.00	37000.00	13100.00	66100.00	19000.00	11000.00
LW3-C708-BD	sediment	2	#######	70100.00	19300.00	70400.00	9910.00	#######	39200.00	44300.00	15900.00	94300.00	28200.00	15900.00
LW3-C708-C	sediment	2	#######	52700.00	14200.00	43200.00	9900.00	#######	38600.00	41300.00	13900.00	44600.00	12600.00	6820.00
LW3-C708-D	sediment	2	8580.00	1010.00	291.00	1890.00	272.00	8720.00	688.00	647.00	260.00	1590.00	460.00	264.00
LW3-C712-B	sediment	2	1970.00	333.00	101.00	461.00	29.10	2290.00	146.00	160.00	56.40	622.00	184.00	117.00
LW3-C712-C	sediment	2	142.00	22.80	7.84	43.10	8.45	186.00	11.30	11.60	4.64	46.30	14.30	16.80
LW3-C721-B	sediment	2	1040.00	185.00	53.70	199.00	31.00	1050.00	90.20	107.00	39.70	284.00	77.40	50.90
LW3-C721-C	sediment	2	4800.00	662.00	172.00	1120.00	108.00	4720.00	279.00	295.00	113.00	1310.00	374.00	238.00
LW3-C721-D	sediment	2	5520.00	825.00	229.00	1210.00	103.00	5720.00	337.00	351.00	135.00	1620.00	468.00	294.00
LW3-C721-E	sediment	2	223.00	36.10	8.54	49.60	7.34	247.00	17.70	14.90	7.64	72.80	20.90	17.80
LW3-C724-B	sediment	2	2740.00	546.00	151.00	449.00	68.20	2750.00	253.00	289.00	101.00	762.00	218.00	136.00
LW3-C738-B	sediment	2	35600.00	6360.00	1750.00	7040.00	2700.00	36300.00	3150.00	3660.00	1180.00	9800.00	2630.00	1650.00
LW3-C738-C	sediment	2	12800.00	2400.00	665.00	2580.00	177.00	13800.00	713.00	901.00	283.00	4390.00	1250.00	777.00
LW3-C738-D	sediment	2	149.00	13.90	8.16	52.50	5.16	144.00	5.43	6.31	2.27	28.50	9.80	6.60
LW3-C738-F	sediment	2	9390.00	1940.00	575.00	1950.00	76.40	10600.00	583.00	812.00	231.00	3510.00	1040.00	617.00
LW3-C739-B	sediment	2	4190.00	657.00	166.00	1140.00	125.00	4220.00	190.00	257.00	87.60	1220.00	338.00	226.00
LW3-C739-C	sediment	2	3960.00	673.00	152.00	1380.00	82.70	4820.00	252.00	299.00	101.00	1190.00	345.00	223.00
LW3-C739-CD	sediment	2	3530.00	621.00	146.00	1220.00	79.20	4240.00	197.00	255.00	83.60	1100.00	311.00	212.00
LW3-C739-D	sediment	2	3990.00	795.00	182.00	1300.00	80.00	5070.00	288.00	363.00	126.00	1340.00	403.00	255.00
LW3-C739-E	sediment	2	38500.00	5680.00	1440.00	19500.00	768.00	46000.00	1600.00	2100.00	633.00	9880.00	2910.00	2010.00
LW3-C747-B	sediment	2	4940.00	679.00	192.00	1740.00	172.00	5050.00	247.00	308.00	102.00	1050.00	343.00	211.00
LW3-C747-C	sediment	2	6570.00	1220.00	335.00	1830.00	211.00	7130.00	541.00	604.00	213.00	1620.00	498.00	305.00
LW3-C747-E	sediment	2	1120.00	129.00	32.90	337.00	87.40	963.00	68.20	66.30	25.80	234.00	64.40	46.00
LW3-C752-B	sediment	2	21000.00	4940.00	1210.00	4070.00	638.00	24400.00	2870.00	3190.00	1070.00	5420.00	1520.00	900.00
LW3-C752-C	sediment	2	27100.00	4860.00	1250.00	6810.00	734.00	26700.00	2340.00	2690.00	865.00	6360.00	1770.00	1150.00
LW3-C752-D	sediment	2	10700.00	1330.00	368.00	2360.00	286.00	10000.00	524.00	564.00	187.00	2240.00	633.00	409.00
LW3-C777-B	sediment	2	30.10	10.47	4.71	7.71	17.70	32.00	1.50	5.06	0.83	27.70	6.23	5.03
LW3-C779-B	sediment	2	5730.00	341.00	85.70	2130.00	305.00	5580.00	98.30	136.00	37.90	937.00	277.00	161.00
LW3-CA01E-C00D	tissue	1	73.50	148.00	169.00	1000.00	4440.00	11900.00	325.00	412.00	399.00	130.00	259.00	19.60
LW3-CA01E-C01	tissue	1	96.00	192.00	207.00	1310.00	5450.00	14500.00	400.00	535.00	483.00	174.00	316.00	25.10
LW3-CA01E-C02	tissue	1	74.20	145.00	175.00	1030.00	4490.00	12900.00	371.00	418.00	471.00	180.00	283.00	22.70

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
LW3-CA02W-C00	tissue	1	64.10	160.00	158.00	1010.00	4070.00	10400.00	268.00	371.00	313.00	138.00	247.00	18.80
LW3-CA02W-C00D	tissue	1	62.50	127.00	146.00	958.00	3950.00	11600.00	255.00	333.00	352.00	133.00	263.00	19.50
LW3-CA03W-C00	tissue	1	95.70	202.00	271.00	1420.00	5970.00	12400.00	333.00	490.00	352.00	221.00	380.00	30.60
LW3-CA04W-C00	tissue	1	70.80	174.00	179.00	1020.00	4250.00	9240.00	268.00	392.00	293.00	242.00	328.00	32.40
LW3-CA05E-C00	tissue	1	83.20	274.00	263.00	1520.00	6300.00	15000.00	357.00	510.00	390.00	302.00	452.00	39.60
LW3-CA05W-C00	tissue	1	74.90	186.00	183.00	1140.00	4740.00	12000.00	306.00	422.00	353.00	256.00	335.00	34.50
LW3-CA10W-C00	tissue	1	75.30	175.00	206.00	1120.00	4780.00	12000.00	400.00	494.00	376.00	208.00	313.00	26.10
LW3-CA10W-C00D	tissue	1	140.00	309.00	328.00	1720.00	7880.00	17100.00	703.00	909.00	566.00	324.00	508.00	41.50
LW3-CA11E-C00	tissue	1	340.00	1770.00	3150.00	13500.00	65100.00	#######	2920.00	5170.00	2660.00	6150.00	8040.00	544.00
LW3-CA11E-C00D	tissue	1	277.00	996.00	1780.00	7700.00	34800.00	83000.00	1410.00	2540.00	1520.00	2130.00	3480.00	222.00
LW3-CA12E-C00	tissue	1	64.50	794.00	549.00	1920.00	11800.00	20300.00	547.00	858.00	499.00	1430.00	1110.00	201.00
LW3-CA12E-C00D	tissue	1	40.40	308.00	316.00	1260.00	7110.00	14800.00	339.00	549.00	360.00	475.00	594.00	56.20
LW3-CA12W-C00	tissue	1	40.00	96.10	80.40	565.00	2070.00	5000.00	203.00	248.00	167.00	108.00	138.00	14.90
LW3-CP0004-C10B	tissue	1	314.00	3540.00	983.00	4990.00	16300.00	28500.00	2210.00	2170.00	1020.00	5910.00	1690.00	1190.00
LW3-CP0004-C10F	tissue	1	230.00	2570.00	565.00	3600.00	11400.00	21500.00	1470.00	1580.00	677.00	3420.00	1120.00	745.00
LW3-CP0004-C20B	tissue	1	444.00	4540.00	1150.00	6060.00	18700.00	33300.00	2630.00	2710.00	1260.00	7110.00	2370.00	1600.00
LW3-CP0004-C20F	tissue	1	296.00	3010.00	672.00	4030.00	12400.00	24400.00	1840.00	1850.00	823.00	4750.00	1570.00	1070.00
LW3-CP0004-C30B	tissue	1	299.00	5610.00	1340.00	5460.00	20600.00	36900.00	2310.00	2470.00	1080.00	10200.00	3060.00	2180.00
LW3-CP0004-C30F	tissue	1	199.00	3600.00	745.00	3910.00	13300.00	24600.00	1470.00	1650.00	682.00	5790.00	1820.00	1210.00
LW3-CP0408-C10B	tissue	1	429.00	3830.00	1030.00	6370.00	17200.00	36100.00	2450.00	2380.00	1230.00	7840.00	2410.00	1780.00
LW3-CP0408-C10F	tissue	1	280.00	2600.00	664.00	4560.00	12300.00	25900.00	1550.00	1660.00	803.00	5170.00	1740.00	1170.00
LW3-CP0408-C20B	tissue	1	435.00	8870.00	2120.00	9460.00	35700.00	57100.00	3720.00	4280.00	1650.00	16800.00	6210.00	3780.00
LW3-CP0408-C20F	tissue	1	382.00	6850.00	1780.00	7550.00	30700.00	41500.00	2690.00	3070.00	1200.00	11600.00	3700.00	2220.00
LW3-CP0408-C30B	tissue	1	12400.00	#######	99800.00	#######	#######	#######	#######	#######	61300.00	#######	#######	#######
LW3-CP0408-C30BD	tissue	1	12000.00	#######	#######	#######	#######	#######	#######	#######	69700.00	#######	#######	#######
LW3-CP0408-C30F	tissue	1	8590.00	#######	73000.00	#######	#######	#######	92800.00	#######	41800.00	#######	#######	#######
LW3-CP0812-C11B	tissue	1	468.00	8800.00	1910.00	9640.00	32300.00	53900.00	3640.00	4050.00	1670.00	20300.00	6410.00	4170.00
LW3-CP0812-C11F	tissue	1	338.00	6340.00	1520.00	7790.00	26500.00	44300.00	2570.00	2810.00	1130.00	12800.00	3640.00	2410.00
LW3-CP0812-C12B	tissue	1	592.00	10600.00	2540.00	12200.00	41600.00	64600.00	3730.00	4880.00	1670.00	19000.00	6770.00	4300.00
LW3-CP0812-C12F	tissue	1	318.00	5970.00	1350.00	6890.00	24600.00	41400.00	2290.00	2640.00	1020.00	11800.00	3690.00	2360.00
LW3-CP0812-C20B	tissue	1	1170.00	35700.00	7890.00	35600.00	#######	#######	8540.00	14700.00	3730.00	55200.00	14000.00	9230.00
LW3-CP0812-C20F	tissue	1	374.00	13800.00	2910.00	14400.00	56300.00	95300.00	4440.00	5770.00	2040.00	21700.00	7500.00	4700.00
LW3-CP0812-C20FD	tissue	1	402.00	13900.00	2910.00	14300.00	57000.00	93000.00	4550.00	5810.00	2160.00	22600.00	8080.00	5130.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
LW3-CP0812-C30B	tissue	1	689.00	12100.00	2940.00	12700.00	42400.00	79700.00	3130.00	5670.00	1290.00	12100.00	4360.00	2290.00
LW3-CP0812-C30F	tissue	1	249.00	4820.00	1030.00	5440.00	16200.00	33200.00	1880.00	2340.00	888.00	9240.00	3080.00	1970.00
LW3-CR01E-ALT-C00	tissue	1	3.62	22.00	7.42	244.00	102.00	991.00	112.00	19.20	53.20	150.00	22.00	26.80
LW3-CR01W-C00	tissue	1	4.14	23.60	7.66	255.00	101.00	1090.00	145.00	19.60	66.20	135.00	21.60	23.10
LW3-CR05W-C00	tissue	1	9.20	24.80	10.40	303.00	115.00	1500.00	317.00	27.00	125.00	149.00	19.20	20.20
LW3-CR06W-C00	tissue	1	9.23	37.80	10.10	1250.00	259.00	8570.00	525.00	61.50	290.00	2970.00	248.00	133.00
LW3-CR08W-C00	tissue	1	7.47	54.60	16.50	903.00	260.00	4380.00	489.00	51.40	186.00	920.00	85.80	124.00
LW3-CR10W-C00	tissue	1	18.20	50.60	17.90	1750.00	278.00	8700.00	1790.00	34.00	839.00	1100.00	92.40	97.40
LW3-CR10W-C00D	tissue	1	17.10	43.00	17.10	1580.00	270.00	7950.00	1720.00	33.60	794.00	1080.00	89.90	92.50
LW3-CR11E-C01	tissue	1	128.00	1460.00	693.00	33800.00	6890.00	#######	15400.00	1750.00	6710.00	55400.00	5380.00	8320.00
LW3-CR11E-C02	tissue	1	121.00	1330.00	588.00	34700.00	6760.00	#######	14700.00	1710.00	5870.00	53900.00	5420.00	8580.00
LW3-CR12E-C00	tissue	1	4.09	36.60	12.50	647.00	137.00	3590.00	315.00	28.70	153.00	571.00	51.90	75.30
LW3-CR12W-C00	tissue	1	2.79	12.80	3.69	232.00	54.80	1240.00	134.00	16.60	72.30	186.00	20.50	23.40
LW3-G600	sediment	2	1110.00	205.00	59.60	189.00	43.10	1090.00	123.00	132.00	48.80	307.00	81.70	51.40
LW3-G601	sediment	2	510.00	90.20	26.20	104.00	20.00	528.00	38.90	48.00	17.20	162.00	44.00	29.80
LW3-G602	sediment	2	611.00	119.00	30.20	105.00	28.40	643.00	56.10	66.70	24.90	190.00	54.70	36.00
LW3-G603	sediment	2	548.00	101.00	29.80	95.90	21.40	562.00	49.40	56.50	21.40	164.00	44.80	29.40
LW3-G604	sediment	2	498.00	124.00	26.20	112.00	18.70	674.00	62.90	66.90	26.40	190.00	51.70	34.20
LW3-G605	sediment	2	439.00	109.00	23.50	102.00	17.20	609.00	52.40	60.90	22.20	180.00	49.20	32.60
LW3-G606	sediment	2	294.00	71.70	16.30	67.80	11.30	405.00	32.00	37.50	14.60	110.00	31.00	21.30
LW3-G607	sediment	2	473.00	118.00	26.30	110.00	18.60	650.00	55.20	64.10	23.90	189.00	51.60	33.90
LW3-G608	sediment	2	654.00	171.00	38.10	149.00	22.20	886.00	83.30	94.40	34.40	277.00	75.40	49.60
LW3-G609	sediment	2	6590.00	1280.00	301.00	1850.00	120.00	7730.00	449.00	528.00	175.00	2390.00	644.00	416.00
LW3-G618	sediment	2	731.00	214.00	42.70	180.00	33.80	1080.00	128.00	130.00	49.30	318.00	80.40	51.00
LW3-G618D	sediment	2	556.00	139.00	30.80	134.00	27.20	772.00	67.50	73.80	28.50	241.00	66.80	41.80
LW3-G620	sediment	2	557.00	106.00	27.30	131.00	23.50	614.00	49.60	58.20	20.60	197.00	55.00	34.50
LW3-G624	sediment	2	523.00	94.50	25.60	94.20	23.50	548.00	40.40	49.50	18.40	170.00	48.20	30.30
LW3-G629	sediment	2	5990.00	955.00	265.00	1600.00	144.00	6820.00	423.00	462.00	175.00	1830.00	583.00	355.00
LW3-G631	sediment	2	480.00	101.00	22.90	96.90	21.90	574.00	43.10	53.90	19.80	190.00	52.70	33.20
LW3-G633	sediment	2	552.00	129.00	30.00	125.00	27.20	717.00	51.30	63.80	23.10	227.00	64.50	40.00
LW3-G642	sediment	2	106.00	19.50	2.40	30.70	3.90	143.00	8.06	8.82	3.49	45.40	10.50	7.35
LW3-G644	sediment	2	1210.00	231.00	63.20	219.00	44.00	1270.00	86.00	110.00	38.90	457.00	124.00	78.20
LW3-G646	sediment	2	76.70	16.50	2.40	16.90	2.76	88.10	6.87	8.69	2.75	29.10	7.08	2.18

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
LW3-G664	sediment	2	11600.00	1930.00	511.00	2430.00	179.00	12100.00	671.00	741.00	267.00	3610.00	1070.00	668.00
LW3-G666	sediment	2	633.00	115.00	32.30	116.00	24.40	632.00	49.50	61.90	22.70	179.00	48.70	33.00
LW3-G667	sediment	2	160.00	30.70	7.82	31.60	7.21	179.00	12.70	15.30	5.50	51.70	14.00	9.47
LW3-G668	sediment	2	465.00	78.20	20.10	94.20	15.70	470.00	33.00	40.10	14.50	136.00	36.30	26.00
LW3-G673	sediment	2	506.00	84.40	23.60	105.00	19.60	515.00	38.60	46.60	17.40	146.00	36.90	26.00
LW3-G676	sediment	2	1840.00	263.00	74.60	396.00	76.30	1810.00	129.00	135.00	54.00	480.00	138.00	88.90
LW3-G676D	sediment	2	2030.00	336.00	86.40	432.00	72.30	2110.00	140.00	155.00	59.90	603.00	177.00	110.00
LW3-G677	sediment	2	119.00	20.10	6.28	21.00	2.76	111.00	6.90	10.40	3.94	30.30	7.48	6.30
LW3-G681	sediment	2	741.00	106.00	30.90	170.00	28.80	701.00	45.10	53.30	20.90	172.00	44.80	32.60
LW3-G682	sediment	2	527.00	90.70	26.00	98.20	19.20	532.00	38.80	48.20	16.90	147.00	38.80	25.20
LW3-G686	sediment	2	674.00	119.00	34.60	113.00	29.30	651.00	54.70	66.30	22.80	197.00	51.30	33.60
LW3-G687	sediment	2	697.00	119.00	33.40	128.00	24.00	676.00	54.30	66.80	23.40	194.00	51.50	35.00
LW3-G692-1	sediment	2	958.00	205.00	47.60	231.00	33.70	1210.00	95.60	106.00	41.40	368.00	102.00	67.50
LW3-G692-1D	sediment	2	1050.00	219.00	55.00	247.00	38.30	1330.00	103.00	123.00	45.30	384.00	99.80	70.70
LW3-G692-2	sediment	2	857.00	188.00	41.30	201.00	27.50	1080.00	85.10	93.70	36.50	314.00	88.20	59.00
LW3-G692-3	sediment	2	887.00	189.00	42.90	210.00	35.60	1090.00	85.00	96.90	38.30	317.00	89.00	59.20
LW3-G729	sediment	2	412.00	75.00	19.60	66.80	15.70	405.00	31.90	39.40	14.50	112.00	30.30	21.50
LW3-G732-1	sediment	2	353.00	67.50	17.50	65.00	10.90	361.00	28.60	36.00	13.40	107.00	26.80	19.40
LW3-G732-2	sediment	2	351.00	65.10	17.60	61.20	11.30	358.00	27.90	34.90	13.20	103.00	25.80	19.10
LW3-G738	sediment	2	17100.00	2570.00	692.00	6340.00	1450.00	20000.00	723.00	966.00	289.00	6890.00	1770.00	1240.00
LW3-G739	sediment	2	10700.00	1840.00	490.00	2120.00	302.00	10400.00	396.00	610.00	188.00	3620.00	933.00	644.00
LW3-G747	sediment	2	679.00	183.00	32.20	47.95	27.40	798.00	55.90	75.00	25.30	248.00	62.90	14.45
LW3-SB010E-C00B	tissue	1	931.00	7470.00	1690.00	14900.00	26800.00	92200.00	8630.00	6150.00	3240.00	19200.00	4020.00	3800.00
LW3-SB010E-C00F	tissue	1	99.70	807.00	170.00	1410.00	2570.00	8190.00	810.00	614.00	282.00	1860.00	435.00	341.00
LW3-SB010E-C00FD	tissue	1	99.50	852.00	174.00	1480.00	2660.00	8510.00	835.00	623.00	285.00	1990.00	466.00	363.00
LW3-SB010W-C00B	tissue	1	759.00	13200.00	2320.00	31000.00	34600.00	#######	7510.00	6590.00	3440.00	34700.00	7800.00	6580.00
LW3-SB010W-C00F	tissue	1	76.80	1450.00	221.00	3400.00	3290.00	17100.00	799.00	721.00	393.00	4560.00	1020.00	902.00
LW3-SB011E-C00B	tissue	1	1710.00	#######	34300.00	#######	#######	#######	62900.00	58400.00	25700.00	#######	89200.00	72200.00
LW3-SB011E-C00F	tissue	1	279.00	24200.00	5320.00	23000.00	80800.00	#######	9620.00	9990.00	3920.00	59600.00	14100.00	12800.00
LW3-SB011W-C00B	tissue	1	399.00	7250.00	1570.00	11600.00	13000.00	#######	6260.00	4110.00	2270.00	25400.00	4220.00	4550.00
LW3-SB011W-C00F	tissue	1	47.30	947.00	174.00	1480.00	1640.00	10200.00	801.00	528.00	283.00	3300.00	590.00	646.00
LW3-SB02E-C00B	tissue	1	1640.00	13100.00	2530.00	13400.00	24400.00	80900.00	11200.00	8170.00	3430.00	14100.00	4540.00	2810.00
LW3-SB02E-C00F	tissue	1	168.00	1540.00	235.00	1480.00	2680.00	8800.00	1240.00	953.00	377.00	1480.00	458.00	301.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
LW3-SB03E-C00B	tissue	1	459.00	4440.00	846.00	5760.00	12600.00	34000.00	2860.00	2630.00	1020.00	6490.00	1890.00	1140.00
LW3-SB03E-C00F	tissue	1	44.30	424.00	84.10	573.00	1210.00	3230.00	305.00	266.00	109.00	899.00	229.00	152.00
LW3-SB03W-C00B	tissue	1	383.00	3170.00	600.00	5140.00	8270.00	29400.00	2300.00	2040.00	850.00	5610.00	1740.00	1050.00
LW3-SB03W-C00F	tissue	1	32.90	303.00	55.60	474.00	790.00	2720.00	251.00	210.00	88.30	619.00	195.00	112.00
LW3-SB04E-C01B	tissue	1	2840.00	21800.00	3900.00	24600.00	41300.00	#######	21500.00	15600.00	6280.00	29400.00	9120.00	5190.00
LW3-SB04E-C01F	tissue	1	326.00	2850.00	429.00	3050.00	4330.00	22300.00	2950.00	2330.00	873.00	4660.00	1460.00	815.00
LW3-SB04E-C02B	tissue	1	2980.00	21500.00	3690.00	25900.00	40800.00	#######	21000.00	15700.00	6620.00	31500.00	8950.00	5220.00
LW3-SB04E-C02F	tissue	1	351.00	2940.00	486.00	3380.00	5110.00	23900.00	2930.00	2150.00	860.00	3930.00	1180.00	690.00
LW3-SB04W-C00B	tissue	1	549.00	4410.00	873.00	7180.00	13900.00	42300.00	3150.00	2920.00	1170.00	7910.00	2440.00	1530.00
LW3-SB04W-C00F	tissue	1	48.60	463.00	76.20	721.00	1250.00	4160.00	357.00	308.00	127.00	934.00	297.00	179.00
LW3-SB05W-C00B	tissue	1	432.00	3840.00	702.00	6290.00	10500.00	40700.00	3070.00	2750.00	1100.00	7630.00	2250.00	1400.00
LW3-SB05W-C00F	tissue	1	42.50	344.00	64.60	624.00	968.00	3810.00	312.00	273.00	106.00	768.00	237.00	138.00
LW3-SB06E-C00B	tissue	1	620.00	14700.00	2910.00	15700.00	33700.00	#######	7510.00	7350.00	3060.00	33400.00	8660.00	5450.00
LW3-SB06E-C00BD	tissue	1	659.00	15400.00	2950.00	16800.00	34600.00	#######	7590.00	7580.00	3260.00	32700.00	8490.00	5340.00
LW3-SB06E-C00F	tissue	1	65.50	1350.00	243.00	1580.00	3020.00	11000.00	682.00	723.00	279.00	3100.00	842.00	504.00
LW3-SB06W-C00B	tissue	1	387.00	3640.00	778.00	6050.00	10400.00	37600.00	4420.00	2510.00	1580.00	7250.00	1910.00	1310.00
LW3-SB06W-C00F	tissue	1	31.80	284.00	59.00	543.00	798.00	2910.00	369.00	210.00	125.00	604.00	165.00	104.00
LW3-SB07E-C00B	tissue	1	1010.00	31200.00	7270.00	54000.00	87000.00	#######	20200.00	15300.00	8680.00	#######	24100.00	21800.00
LW3-SB07E-C00F	tissue	1	91.90	2580.00	582.00	4630.00	7290.00	28800.00	1680.00	1320.00	681.00	8880.00	1960.00	1570.00
LW3-SB07W-C00B	tissue	1	662.00	7370.00	1520.00	12900.00	20900.00	70300.00	5000.00	4530.00	1900.00	15100.00	4020.00	2950.00
LW3-SB07W-C00F	tissue	1	59.50	633.00	123.00	1380.00	1850.00	6070.00	470.00	424.00	175.00	1440.00	405.00	270.00
LW3-SB08E-C00B	tissue	1	421.00	4670.00	849.00	8530.00	9650.00	48500.00	3720.00	2670.00	1480.00	11900.00	2820.00	2100.00
LW3-SB08E-C00F	tissue	1	49.00	546.00	92.70	955.00	1130.00	5440.00	403.00	325.00	164.00	1280.00	362.00	226.00
LW3-SB08W-C00B	tissue	1	820.00	7910.00	1570.00	13000.00	24200.00	69800.00	5950.00	4860.00	2270.00	15200.00	3810.00	3160.00
LW3-SB08W-C00F	tissue	1	67.50	623.00	118.00	994.00	1820.00	5090.00	469.00	386.00	169.00	1090.00	325.00	209.00
LW3-SB09E-C00B	tissue	1	416.00	6590.00	1210.00	10900.00	17100.00	65000.00	4100.00	3590.00	1820.00	16100.00	3860.00	3210.00
LW3-SB09E-C00F	tissue	1	44.80	706.00	123.00	1120.00	1830.00	6510.00	451.00	378.00	196.00	1720.00	460.00	347.00
LW3-SB09W-C00B	tissue	1	1300.00	11400.00	2390.00	18800.00	37600.00	#######	9390.00	7260.00	3670.00	21400.00	5310.00	3940.00
LW3-SB09W-C00F	tissue	1	98.70	944.00	175.00	1370.00	2920.00	7190.00	756.00	582.00	284.00	1580.00	440.00	294.00
LW3-SP01E-C00	tissue	1	158.00	941.00	106.00	1410.00	717.00	11600.00	857.00	875.00	290.00	1860.00	593.00	320.00
LW3-SP01W-C00	tissue	1	115.00	920.00	147.00	1380.00	1240.00	8870.00	825.00	721.00	298.00	1540.00	475.00	296.00
LW3-SP03E-C00	tissue	1	162.00	1070.00	119.00	1640.00	671.00	12100.00	1020.00	1070.00	319.00	2270.00	750.00	411.00
LW3-SP04W-C00	tissue	1	192.00	969.00	94.60	1600.00	764.00	13200.00	1190.00	1030.00	349.00	2570.00	826.00	422.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
LW3-SP05E-C00	tissue	1	192.00	2120.00	329.00	2830.00	2900.00	18900.00	1410.00	1250.00	511.00	4990.00	1450.00	860.00
LW3-SP06W-C00	tissue	1	174.00	1070.00	142.00	1550.00	1050.00	11600.00	1040.00	924.00	307.00	2510.00	743.00	374.00
LW3-SP07E-C00	tissue	1	220.00	1140.00	96.30	2030.00	833.00	16800.00	1230.00	1240.00	370.00	4360.00	1220.00	642.00
LW3-SP07W-C00	tissue	1	194.00	1540.00	232.00	2140.00	1730.00	11900.00	1020.00	967.00	358.00	2250.00	733.00	412.00
LW3-SP08E-C00	tissue	1	535.00	4800.00	592.00	7440.00	4660.00	62100.00	3490.00	3720.00	1030.00	16800.00	4360.00	2320.00
LW3-SP08W-C00	tissue	1	570.00	3410.00	392.00	4160.00	2860.00	28500.00	3130.00	2880.00	975.00	4270.00	1310.00	723.00
LW3-SP09W-C00	tissue	1	703.00	4410.00	507.00	5620.00	3840.00	38300.00	3930.00	3340.00	1340.00	4760.00	1540.00	935.00
LW3-SP10E-C00	tissue	1	220.00	2030.00	255.00	2700.00	1460.00	21300.00	1620.00	1520.00	498.00	5280.00	1580.00	6820.00
LW3-SP10W-C00	tissue	1	171.00	1740.00	242.00	2430.00	2150.00	15100.00	1100.00	1060.00	404.00	4100.00	1210.00	776.00
LW3-SP11E-C00	tissue	1	2230.00	#######	47500.00	#######	#######	#######	56700.00	78000.00	20500.00	#######	#######	79200.00
LW3-SP12E-C00	tissue	1	182.00	5560.00	346.00	5650.00	1700.00	59200.00	2640.00	3290.00	642.00	12400.00	3520.00	2300.00
LW3-SP12W-ALT-C01	tissue	1	84.00	612.00	15.19	1130.00	194.07	7530.00	749.00	535.00	238.00	1990.00	505.00	359.00
LW3-SP12W-ALT-C02	tissue	1	94.50	596.00	54.40	1180.00	409.00	8030.00	765.00	576.00	245.00	1760.00	499.00	332.00
LW3-STW2-CW10-WR142	stormwater	3	261.00	95.70	4.58	61.90	0.94	395.00	51.00	56.00	25.10	105.00	8.24	7.13
LW3-STW2-CW10-WR4	stormwater	3	358.00	111.00	8.03	67.80	4.34	608.00	62.90	68.30	31.40	220.00	58.70	68.30
LW3-STW2-CW30-WR4	stormwater	3	961.00	255.00	58.70	163.00	3.32	1360.00	148.00	156.00	68.10	502.00	137.00	159.00
LW3-STW2-CW40-WR142	stormwater	3	220.00	62.60	3.44	51.10	1.52	278.00	42.60	45.00	21.60	75.80	4.68	3.92
LW3-STW-CW10-WR04	stormwater	3	244.00	72.90	6.28	43.60	3.15	280.00	28.60	32.00	12.20	121.00	35.50	30.40
LW3-STW-CW10-WR142	stormwater	3	66.70	5.65	6.70	5.20	3.15	88.50	12.60	8.02	7.09	8.01	8.24	7.13
LW3-STW-CW10-WR384	stormwater	3	1930.00	481.00	119.00	301.00	60.30	2130.00	265.00	327.00	103.00	411.00	114.00	82.90
LW3-STW-CW20-H30	stormwater	3	688.00	200.00	41.10	109.00	3.32	822.00	86.40	99.80	41.80	265.00	67.60	57.60
LW3-STW-CW20-WR384	stormwater	3	#######	95400.00	19900.00	60000.00	9030.00	#######	54100.00	55100.00	20000.00	95800.00	27600.00	17300.00
LW3-STW-CW20-WR4	stormwater	3	186.00	55.20	9.40	35.90	4.99	230.00	21.10	14.54	10.10	95.00	15.90	14.43
LW3-STW-CW30-WR384	stormwater	3	#######	41400.00	7820.00	26500.00	2910.00	#######	24200.00	23600.00	9260.00	44100.00	12100.00	7270.00
LW3-STW-CW30-WR4	stormwater	3	899.00	218.00	50.60	136.00	1.45	918.00	76.10	109.00	43.70	356.00	108.00	90.50
LW3-STW-CW40-WR384	stormwater	3	71200.00	20400.00	4240.00	13000.00	1990.00	88700.00	12000.00	12200.00	4310.00	19800.00	5800.00	3550.00
LW3-STW-GW10-WR142-D	stormwater	3	8.89	5.65	8.76	5.20	6.06	8.08	1.46	4.74	1.49	8.01	10.93	9.63
LW3-STW-GW10-WR142-T	stormwater	3	48.10	9.15	6.28	8.75	6.06	52.00	14.40	8.02	5.29	12.89	8.24	7.13
LW3-UG02A	sediment	2	119.00	28.10	7.21	24.10	4.12	168.00	14.90	17.20	7.49	47.00	11.20	9.37
LW3-UG02C	sediment	2	107.00	21.90	5.67	21.70	2.76	128.00	12.80	14.20	6.35	34.80	8.16	6.14
LW3-UG02E-1	sediment	2	144.00	27.60	6.91	27.30	3.90	168.00	16.70	19.20	8.77	43.10	10.20	7.66
LW3-UG02E-2	sediment	2	129.00	25.00	5.95	25.50	5.13	155.00	15.00	17.50	7.70	38.10	9.96	7.27
LW3-UG03A-1	sediment	2	105.00	32.80	6.29	24.90	3.90	166.00	15.30	16.60	6.57	42.80	11.90	8.38

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
LW3-UG03A-2	sediment	2	91.00	29.40	5.71	23.10	3.90	155.00	15.20	15.30	6.84	44.20	11.10	8.42
LW3-UG03A-3	sediment	2	93.50	29.40	2.40	26.40	5.13	169.00	15.20	15.30	7.32	42.50	11.70	7.49
LW3-UG03B	sediment	2	34.60	7.41	2.40	7.38	5.13	42.50	4.41	5.25	2.05	11.20	1.99	2.18
LW3-UG04B	sediment	2	85.40	16.80	2.40	17.40	3.90	102.00	8.10	10.20	4.22	25.30	5.90	2.18
LW3-UG06A	sediment	2	68.60	21.00	2.40	18.40	3.90	120.00	11.40	11.50	5.08	30.90	3.15	2.18
LW3-UG06B	sediment	2	103.00	21.60	2.40	20.50	3.90	128.00	13.20	15.10	5.78	32.70	8.26	6.77
LW3-UG11B	sediment	2	51.40	11.70	2.40	9.84	3.90	64.20	5.71	7.55	3.16	17.90	1.99	2.18
LW3-UG12A	sediment	2	108.00	35.20	6.07	28.40	3.90	205.00	19.00	17.20	9.20	53.80	12.40	10.10
LW3-UG12B	sediment	2	125.00	26.60	6.18	24.50	3.90	162.00	14.60	18.00	6.82	42.70	11.00	7.30
LW3-W3005-NB-C	surface water fro	3	0.05	0.85	0.15	0.71	5.08	4.09	0.15	0.34	0.05	0.50	0.20	0.11
LW3-W3005-NB-F	surface water fro	3	0.22	3.08	0.56	2.54	12.40	14.60	1.61	1.44	0.61	4.12	1.23	0.75
LW3-W3005-NS-C	surface water fro	3	0.06	0.77	0.23	0.69	4.42	3.67	0.28	0.35	0.10	0.46	0.19	0.10
LW3-W3005-NS-F	surface water fro	3	0.20	2.54	0.47	2.17	10.60	12.60	1.49	1.30	0.14	3.38	0.98	0.59
LW3-W3011-NB-C	surface water fro	3	0.04	0.63	0.22	0.74	4.18	3.56	0.23	0.30	0.10	0.50	0.19	0.10
LW3-W3011-NB-F	surface water fro	3	0.14	1.61	0.15	1.67	7.56	8.64	0.89	0.80	0.33	3.34	0.95	0.63
LW3-W3011-NS-C	surface water fro	3	0.07	0.68	0.22	0.77	4.29	3.70	0.25	0.31	0.10	0.46	0.18	0.05
LW3-W3011-NS-F	surface water fro	3	0.05	1.28	0.23	1.26	5.72	6.66	0.70	0.64	0.27	1.75	0.54	0.33
LW3-W3023-E-C	surface water fro	3	0.03	0.94	0.16	0.58	4.75	3.68	0.24	0.26	0.09	0.57	0.19	0.11
LW3-W3023-E-F	surface water fro	3	0.26	7.51	1.68	4.30	27.10	30.10	3.00	2.86	1.11	11.70	3.50	2.05
LW3-W3023-M-C	surface water fro	3	0.03	0.28	0.07	0.31	1.62	1.44	0.12	0.13	0.05	0.17	0.06	0.02
LW3-W3023-M-F	surface water fro	3	0.03	0.51	0.09	0.54	2.17	2.61	0.38	0.28	0.13	0.81	0.24	0.15
LW3-W3023-W-C	surface water fro	3	0.04	0.40	0.11	0.41	2.25	1.92	0.10	0.22	0.05	0.17	0.06	0.05
LW3-W3023-W-F	surface water fro	3	0.13	1.47	0.31	1.17	5.75	6.67	1.12	0.86	0.38	2.00	0.62	0.38
LW3-W3024-NB-C	surface water fro	3	0.03	0.25	0.08	0.27	1.52	1.25	0.07	0.14	0.04	0.17	0.06	0.04
LW3-W3024-NB-F	surface water fro	3	0.14	1.21	0.27	1.05	4.90	5.72	0.91	0.71	0.35	1.60	0.52	0.32
LW3-W3024-NS-C	surface water fro	3	0.04	0.27	0.11	0.35	1.82	1.62	0.14	0.18	0.07	0.17	0.11	0.06
LW3-W3024-NS-F	surface water fro	3	0.03	0.38	0.08	0.31	1.73	1.75	0.27	0.22	0.10	0.57	0.18	0.11
LW3-W3025-E-C	surface water fro	3	0.14	1.45	0.43	1.29	7.98	6.89	0.27	0.76	0.10	0.74	0.31	0.16
LW3-W3025-E-F	surface water fro	3	0.29	2.93	0.59	2.37	11.20	13.10	2.31	1.69	0.73	3.91	1.14	0.69
LW3-W3025-M-C	surface water fro	3	0.07	0.81	0.23	0.88	5.11	4.32	0.20	0.36	0.09	0.23	0.20	0.11
LW3-W3025-M-F	surface water fro	3	0.05	1.26	0.29	1.33	5.50	6.24	0.76	0.58	0.24	2.08	0.67	0.39
LW3-W3025-W-C	surface water fro	3	0.06	0.56	0.17	0.62	3.41	2.92	0.12	0.27	0.05	0.17	0.15	0.08
LW3-W3025-W-F	surface water fro	3	0.07	0.83	0.11	0.90	3.62	4.33	0.48	0.42	0.18	1.41	0.43	0.25

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
LW3-W3027-NB-C	surface water fro	3	0.08	0.90	0.30	0.49	5.15	4.13	0.22	0.33	0.07	0.64	0.24	0.08
LW3-W3027-NB-F	surface water fro	3	0.13	2.06	0.46	1.79	8.40	9.49	1.03	0.90	0.38	3.64	1.11	0.67
LW3-W3027-NS-C	surface water fro	3	0.05	1.09	0.28	0.90	5.63	4.72	0.23	0.49	0.09	0.74	0.27	0.14
LW3-W3027-NS-F	surface water fro	3	0.06	1.83	0.19	1.53	7.30	8.36	0.89	0.83	0.34	3.00	0.93	0.56
NCPS_0	Sediment	2	0.12	12.60	6.37	25.20	112.00	154.00	16.40	13.80	6.96	30.50	13.20	5.15
NCPS_1	Sediment	2	0.09	0.92	0.45	1.40	7.22	8.84	0.95	0.43	0.25	1.51	0.67	0.38
NCPS_2	Sediment	2	4.63	16.80	10.00	39.50	184.00	235.00	24.50	21.40	10.30	47.20	19.30	8.09
NCPS_3	Sediment	2	2.00	8.70	0.38	19.10	79.70	105.00	10.80	9.46	4.33	20.20	8.88	3.75
NCPS_4	Sediment	2	0.09	6.96	2.26	9.33	41.90	56.00	6.85	5.46	2.57	12.00	4.54	0.26
PSPS_1	Sediment	2	4.02	17.40	7.75	32.00	148.00	199.00	18.00	16.70	7.25	32.60	14.50	0.29
PSPS_2	Sediment	2	1.25	8.47	3.17	11.70	55.50	71.00	6.98	6.62	3.04	14.70	6.44	0.24
PSPS_3	Sediment	2	0.11	1.01	1.48	4.39	17.70	26.60	2.67	2.53	0.98	1.44	0.35	0.26
PSPS_8	Sediment	2	0.09	0.73	0.73	2.32	9.42	15.70	0.47	0.57	0.65	1.44	0.35	0.14
PSPS_9	Sediment	2	0.10	0.77	1.10	4.55	17.30	28.20	2.74	2.67	1.17	5.56	0.38	0.36
R_CAR_0	Sediment	2	0.09	1.95	0.77	0.57	13.20	18.20	1.73	0.57	0.20	3.73	1.22	0.22
R_CAR_1	Sediment	2	0.09	1.80	0.64	2.50	10.90	15.00	1.60	1.35	0.62	2.75	1.29	0.73
R_CAR_4	Sediment	2	0.09	9.68	3.00	14.80	63.20	88.40	6.76	6.80	2.98	21.90	8.08	4.29
R_CAR_5	Sediment	2	0.05	5.37	2.42	9.86	43.30	61.10	6.13	5.83	0.41	13.50	4.54	2.30
R_CAR_6_C	Sediment	2	0.09	0.73	0.62	2.69	10.20	15.30	1.38	1.21	0.74	2.59	0.55	0.34
R_DAB_0	Sediment	2	0.09	0.73	0.29	1.58	6.36	8.72	0.62	0.81	0.20	1.76	0.67	0.22
R_DAB_1	Sediment	2	0.09	0.73	2.51	12.70	48.10	70.30	5.69	5.27	2.55	11.40	4.04	2.43
R_DAB_2	Sediment	2	0.09	2.75	0.39	6.09	26.20	36.00	0.53	2.93	0.25	5.41	0.38	0.29
R_DAB_5	Sediment	2	0.09	5.14	2.57	11.20	48.20	67.60	5.70	5.14	3.15	12.10	5.11	0.32
R_DAB_7_C	Sediment	2	0.10	8.46	0.35	26.90	101.00	143.00	10.10	9.71	4.40	19.20	7.85	4.30
R_HOL_0	Sediment	2	0.09	0.73	0.23	2.73	14.20	17.90	1.32	1.52	0.20	1.44	1.25	0.24
R_HOL_1	Sediment	2	0.09	0.73	0.31	3.46	17.00	19.50	0.40	1.65	0.20	4.02	0.35	0.19
R_HOL_3	Sediment	2	0.09	1.31	0.43	1.79	9.57	11.80	1.22	0.57	0.55	2.23	0.87	0.19
R_HOL_4	Sediment	2	0.10	0.77	0.36	9.14	46.00	56.60	5.57	4.91	2.27	9.77	0.65	2.40
R_HOL_7	Sediment	2	0.10	7.21	2.65	12.00	67.10	68.00	6.51	5.61	2.75	14.90	4.95	0.32
R_SAM_0	Sediment	2	0.10	5.24	2.59	0.57	31.60	27.70	0.53	0.57	0.32	4.77	0.38	0.28
R_SAM_1	Sediment	2	0.09	0.73	0.89	0.57	7.97	13.90	2.08	2.73	0.77	1.44	0.35	0.84
R_SAM_3	Sediment	2	0.09	2.70	0.29	2.45	9.01	15.60	0.53	1.70	1.00	4.33	1.46	0.31
R_SAM_4	Sediment	2	0.09	1.87	0.29	1.43	2.79	10.70	1.50	0.71	0.77	1.44	0.38	0.29

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
R_SAM_5	Sediment	2	0.11	7.72	2.15	0.92	34.00	42.80	5.26	4.08	0.38	12.80	4.44	0.37
SCPS_1	Sediment	2	0.11	0.84	4.72	14.40	63.60	97.20	13.10	0.60	0.50	35.90	9.78	5.69
SCPS_10_C	Sediment	2	0.10	0.77	2.66	11.80	52.50	76.60	10.30	6.97	3.97	17.60	8.35	3.03
SCPS_2	Sediment	2	0.09	2.87	0.89	4.07	15.60	26.70	3.44	2.62	1.54	6.93	2.56	1.18
SCPS_3	Sediment	2	0.09	1.71	0.27	2.41	9.26	16.70	1.86	1.29	0.84	2.85	0.35	1.42
SCPS_5	Sediment	2	0.11	8.96	0.60	15.10	62.10	94.50	12.20	8.51	0.50	18.50	8.39	0.38
SJF_10_C	Sediment	2	0.09	0.73	0.23	1.76	2.79	3.57	0.53	0.57	0.37	1.44	0.35	0.52
SJF_3	Sediment	2	0.09	0.73	0.23	0.44	4.88	12.90	1.69	1.21	0.61	1.44	1.00	0.65
SJF_9_C	Sediment	2	0.10	0.73	0.23	3.51	13.30	21.80	2.82	2.16	0.99	5.95	1.71	0.97
SJI_0	Sediment	2	0.10	0.73	0.39	2.61	7.69	15.40	1.93	1.52	0.81	1.44	1.01	0.57
SJI_1	Sediment	2	0.09	0.73	0.29	1.73	6.35	10.30	1.21	1.04	0.20	1.44	0.35	0.14
SJI_20_C_GS	Sediment	2	0.09	2.67	0.35	2.08	11.10	14.50	0.47	1.41	0.24	3.18	1.09	0.26
SJI_3	Sediment	2	0.09	1.98	0.23	1.69	5.36	10.30	0.40	1.38	0.20	2.54	0.88	0.19
SJI_8_C	Sediment	2	0.09	1.29	0.41	1.47	2.79	9.00	1.30	0.57	0.41	1.44	0.85	0.19
SPSB_0	Sediment	2	0.09	6.44	0.29	9.20	23.40	3.57	7.26	5.82	0.30	16.90	0.55	2.49
SPSB_1	Sediment	2	0.10	0.77	0.32	7.20	27.80	41.90	3.87	3.90	1.50	7.28	3.01	0.32
SPSB_2	Sediment	2	0.21	4.08	2.00	8.30	33.50	50.50	0.56	0.60	2.54	8.81	4.33	0.32
SPSB_3	Sediment	2	0.09	0.73	0.23	1.58	2.79	10.90	1.08	0.57	0.42	1.44	0.81	0.47
SPSB_8_C	Sediment	2	0.09	0.73	0.23	0.44	2.79	3.57	0.52	0.57	0.20	1.44	0.35	0.30
SS_0	Sediment	2	0.77	4.86	0.29	9.02	35.10	51.50	0.66	3.71	0.41	9.80	3.54	0.37
SS_1	Sediment	2	0.09	0.73	0.23	0.38	2.79	3.57	0.40	0.57	0.20	1.44	0.35	0.14
SS_2	Sediment	2	0.09	2.61	0.94	5.16	20.50	31.00	2.93	2.38	1.48	5.98	2.52	0.28
SS_8_C	Sediment	2	1.00	6.00	0.23	10.40	40.50	58.50	5.74	4.85	2.60	10.70	0.35	0.26
SS_9_C	Sediment	2	0.10	15.20	4.44	14.70	70.50	94.70	11.20	9.86	0.38	21.20	0.62	4.18
UCS-A	Sediment	2	40.60	321.00	44.51	309.00	1450.00	1580.00	203.00	159.00	83.10	400.00	124.14	105.00
UCS-B	Sediment	2	40.60	327.00	44.51	308.00	1510.00	1610.00	197.00	158.00	85.40	394.00	124.14	116.00
UCS-C	Sediment	2	40.60	356.00	96.10	345.00	1620.00	1670.00	220.00	169.00	91.50	410.00	124.14	113.00
UMCS-205-Invert	Invertebrate Tiss	1	69.70	146.00	37.60	201.00	1110.00	1030.00	113.00	93.40	56.20	151.00	53.80	36.80
UMCS-205-Sed	Sediment	2	52.00	471.00	37.40	372.00	2100.00	2160.00	324.00	219.00	125.00	448.00	152.00	95.90
UMCS-A	Sediment	2	111.00	750.00	210.00	793.00	3890.00	62.30	646.00	445.00	227.00	588.00	209.00	112.00
UMCS-B	Sediment	2	68.40	514.00	162.00	440.00	2400.00	2420.00	398.00	300.00	141.00	369.00	113.75	27.85
UMCS-C	Sediment	2	19.70	360.00	120.00	330.00	1670.00	1760.00	218.00	168.00	85.20	66.32	46.21	23.09
US-FLO-Invert	Invertebrate Tiss	1	69.70	42.60	14.80	150.00	525.00	721.00	53.40	32.50	25.10	110.00	39.40	31.70

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
US-FLO-QA-Invert	Invertebrate Tiss	1	69.70	40.80	15.60	166.00	567.00	797.00	56.10	34.10	28.10	114.00	45.10	35.00
WGNM-Invert	Invertebrate Tiss	1	38.70	618.00	188.00	830.00	4120.00	4120.00	324.00	336.00	192.00	584.00	216.00	131.00
WGNM-Sed	Sediment	2	108.00	2500.00	276.00	1900.00	9870.00	10100.00	1010.00	976.00	528.00	2820.00	1010.00	561.00
WS-IS-A	Sediment	2	38.07	1100.00	401.00	1310.00	6030.00	6270.00	434.00	470.00	224.00	2210.00	655.00	441.00
WS-IS-B	Sediment	2	431.00	4080.00	1150.00	3450.00	17200.00	16700.00	3190.00	2290.00	986.00	3880.00	1370.00	707.00
WS-IS-C	Sediment	2	38.07	1040.00	347.00	1180.00	5510.00	5470.00	378.00	409.00	213.00	1930.00	652.00	398.00
LW3-STW-CW10-WR22	stormwater	3	5680.00	1420.00	337.00	918.00	181.00	6170.00	863.00	964.00	327.00	1300.00	343.00	220.00
LW3-STW-CW20-WR22	stormwater	3	6580.00	1880.00	405.00	1160.00	192.00	7580.00	968.00	1230.00	385.00	1780.00	476.00	335.00
LW3-STW-CW30-WR22	stormwater	3	6340.00	1450.00	423.00	891.00	180.00	6110.00	718.00	885.00	304.00	1430.00	390.00	257.00
LW3-STW-GW10-WR22-D	stormwater	3	13.54	13.29	13.76	13.17	8.23	12.05	4.16	12.13	1.78	18.64	12.98	14.43
LW3-STW-GW10-WR22-T	stormwater	3	2090.00	609.00	122.00	417.00	42.50	2670.00	328.00	363.00	125.00	670.00	186.00	122.00
LW3-W3026-NB-C	surface water fro	3	0.15	1.43	0.42	1.26	8.02	7.45	0.64	0.74	0.24	0.88	0.36	0.21
LW3-W3026-NB-F	surface water fro	3	0.08	2.63	0.59	2.16	11.20	11.80	1.91	1.31	0.63	3.95	1.31	0.15
LW3-W3026-NS-C	surface water fro	3	0.14	1.37	0.40	1.16	7.35	6.20	0.67	0.68	0.10	0.83	0.33	0.16
LW3-W3026-NS-F	surface water fro	3	0.23	2.33	0.55	1.84	10.10	10.30	1.67	1.21	0.55	3.37	1.05	0.76
LW3-W3037-NB-C	surface water fro	3	0.08	0.69	0.10	0.76	5.18	3.74	0.16	0.35	0.17	0.66	0.22	0.13
LW3-W3037-NB-F	surface water fro	3	0.09	2.05	0.21	0.94	8.58	9.88	0.39	0.97	0.13	0.77	0.92	0.15
LW3-W3037-NS-C	surface water fro	3	0.03	0.74	0.22	0.55	3.56	3.07	0.26	0.33	0.07	0.29	0.11	0.05
LW3-W3037-NS-F	surface water fro	3	0.08	0.42	0.14	0.71	2.12	2.17	0.31	0.20	0.06	0.53	0.11	0.16
LW3-STW-CW20-WR161	stormwater	3	18700.00	7320.00	1250.00	3800.00	107.00	31900.00	2250.00	2980.00	1140.00	16200.00	4000.00	2680.00
LW3-STW-CW30-WR161	stormwater	3	11200.00	3980.00	699.00	2180.00	117.00	17000.00	1560.00	1820.00	763.00	8250.00	2130.00	1430.00
LW3-STW-CW40-WR161	stormwater	3	7200.00	2900.00	454.00	1510.00	58.70	12100.00	1030.00	1280.00	532.00	6110.00	1580.00	1000.00
LW3-STW-GW10-WR161-D	stormwater	3	18.63	13.29	15.86	13.17	11.10	16.29	1.46	12.13	1.09	18.64	17.85	16.37
LW3-STW-GW10-WR161-T	stormwater	3	127.00	30.70	10.77	13.17	6.06	140.00	13.20	12.13	5.74	35.90	12.98	11.59
LW3-STW-GW20-WR161-D	stormwater	3	48.70	9.15	6.70	9.23	7.04	70.70	3.86	8.02	3.72	12.89	8.59	7.41
LW3-STW-GW20-WR161-T	stormwater	3	1070.00	360.00	72.60	197.00	9.85	1440.00	161.00	188.00	83.80	556.00	141.00	89.70
LW3-STW-CW20-WR123	stormwater	3	17500.00	4680.00	1020.00	2880.00	480.00	19900.00	2490.00	3010.00	989.00	4860.00	1310.00	851.00
LW3-STW-CW40-WR123	stormwater	3	15900.00	4400.00	925.00	2690.00	415.00	18600.00	2300.00	2640.00	933.00	5180.00	1350.00	846.00
LW3-STW-CW50-WR123	stormwater	3	2190.00	669.00	120.00	382.00	46.60	2730.00	313.00	386.00	133.00	838.00	215.00	140.00
LW3-STW-GW10-WR123-D	stormwater	3	13.54	13.29	14.90	13.17	8.23	12.05	1.46	14.54	1.52	18.64	15.90	14.43
LW3-STW-GW10-WR123-T	stormwater	3	5020.00	1360.00	271.00	850.00	124.00	5660.00	622.00	801.00	263.00	1490.00	403.00	248.00
LW3-STW-CW10-WR67-2	stormwater	3	126.00	30.20	9.40	13.17	5.50	126.00	16.80	12.13	6.95	33.50	15.90	14.43
LW3-STW-CW20-WR67	stormwater	3	62.10	10.76	6.92	9.23	3.67	69.60	7.61	8.39	1.52	12.89	8.89	7.41

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
LW3-STW-CW30-WR67	stormwater	3	82.87	69.30	6.70	45.70	3.57	306.00	36.20	45.40	14.70	97.20	8.59	7.41
LW3-STW-CW40-WR67	stormwater	3	28.47	13.29	14.90	13.17	9.26	103.00	1.84	12.13	2.90	47.60	12.98	11.59
LW3-STW-CW60-WR67	stormwater	3	27.80	9.15	13.76	8.75	8.23	35.10	4.74	8.02	1.52	12.89	15.90	14.43
LW3-STW-CW30-SJB	stormwater	3	4970.00	1390.00	20.68	924.00	143.00	5930.00	699.00	857.00	314.00	1410.00	378.00	279.00
LW3-STW-CW40-SJB	stormwater	3	185.00	54.00	6.70	30.10	5.41	204.00	7.15	35.20	3.72	18.23	8.59	7.41
LW3-STW-CW50-SJB	stormwater	3	1580.00	443.00	88.40	286.00	46.80	1940.00	259.00	253.00	97.90	468.00	125.00	86.50
LW3-STW-GW10-SJB-D	stormwater	3	101.00	29.10	6.28	8.75	3.15	39.91	14.30	8.02	3.56	12.89	8.24	7.13
LW3-STW-GW10-SJB-T	stormwater	3	1200.00	358.00	58.80	245.00	32.50	1520.00	193.00	223.00	85.00	334.00	88.90	12.49
WLCT4C07BsnM070324	stormwater	3	6430.00	1550.00	375.00	1010.00	120.00	6830.00	539.00	882.00	296.00	2810.00	742.00	446.00
WLCT4C07BsnM070407	stormwater	3	34100.00	8000.00	2030.00	5410.00	1050.00	36200.00	3060.00	5320.00	1250.00	3190.00	1360.00	569.00
WLCT4C07BsnM070503	stormwater	3	11900.00	3410.00	768.00	2190.00	316.00	15000.00	1270.00	2240.00	576.00	2070.00	710.00	376.00
WLCT4C07BsnQ070324	stormwater	3	3010.00	810.00	196.00	487.00	71.30	3450.00	433.00	498.00	171.00	951.00	253.00	173.00
WLCT4C07BsnQ070407	stormwater	3	1150.00	307.00	68.30	207.00	36.30	1390.00	164.00	204.00	76.00	341.00	90.90	57.10
WLCT4C07BsnR070324	stormwater	3	503.00	145.00	6.92	93.20	3.67	607.00	104.00	113.00	41.90	161.00	43.70	7.41
WLCT4C07BsnR070407	stormwater	3	1210.00	349.00	58.70	245.00	45.60	1500.00	250.00	263.00	94.60	397.00	99.00	71.10
WLCT4C07BsnR070503	stormwater	3	37800.00	11900.00	2280.00	7440.00	1230.00	48400.00	8820.00	8880.00	3270.00	13100.00	3200.00	2300.00
WLCT4C07BsnL070324	stormwater	3	4730.00	1400.00	314.00	781.00	79.30	5910.00	524.00	698.00	244.00	1990.00	524.00	345.00
WLCT4C07BsnL070503	stormwater	3	4190.00	1240.00	243.00	708.00	6.24	5080.00	515.00	682.00	252.00	1670.00	437.00	314.00
WLCT4C07BsnL070520	stormwater	3	4400.00	1240.00	242.00	792.00	92.40	5280.00	654.00	705.00	272.00	1670.00	439.00	295.00
LW3-W3028-NB-C	surface water fro	3	0.05	1.20	0.35	0.96	6.07	6.04	0.48	0.61	0.10	0.92	0.46	0.20
LW3-W3028-NB-F	surface water fro	3	0.04	0.57	0.12	0.36	2.39	2.24	0.36	0.30	0.12	0.93	0.15	0.21
LW3-W3028-NS-C	surface water fro	3	0.20	2.15	0.59	1.58	9.47	9.16	1.29	1.15	0.43	1.92	0.60	0.39
LW3-W3028-NS-F	surface water fro	3	0.38	4.39	0.97	3.05	18.10	17.50	2.99	2.51	0.16	5.06	1.51	0.18
LW3-STW2-CW20-WR218	stormwater	3	1060.00	213.00	57.10	154.00	27.20	891.00	93.70	140.00	46.60	356.00	97.20	63.90
LW3-STW-CW10-WR218	stormwater	3	2530.00	546.00	137.00	374.00	70.00	2250.00	189.00	312.00	92.50	651.00	184.00	125.00
LW3-STW-CW20-WR218	stormwater	3	824.00	190.00	43.00	122.00	3.78	770.00	63.60	111.00	32.70	242.00	65.40	48.70
LW3-W3038-NB-C	surface water fro	3	0.08	0.31	0.09	0.42	2.16	2.09	0.10	0.20	0.04	0.17	0.07	0.08
LW3-W3038-NB-F	surface water fro	3	0.08	0.19	0.06	0.59	0.97	1.60	0.29	0.10	0.05	0.52	0.16	0.04
LW3-W3038-NS-C	surface water fro	3	0.07	0.46	0.25	0.35	2.09	2.65	0.22	0.25	0.17	0.17	0.08	0.08
LW3-W3038-NS-F	surface water fro	3	0.05	1.46	0.18	0.81	6.08	6.75	0.37	0.64	0.15	0.64	0.73	0.12
WLCT4C07BsnT070324	stormwater	3	2060.00	539.00	129.00	316.00	56.40	2200.00	306.00	356.00	115.00	564.00	149.00	108.00
WLCT4C07BsnT070407	stormwater	3	709.00	190.00	37.80	119.00	3.15	814.00	108.00	129.00	46.20	200.00	52.70	36.40
WLCT4C07BsnT070503	stormwater	3	7970.00	2420.00	499.00	1420.00	350.00	10100.00	1230.00	1440.00	471.00	2860.00	828.00	549.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
LW3-W3032-NB-C	surface water fro	3	0.05	1.02	0.34	0.89	5.50	5.39	0.31	0.45	0.13	0.80	0.32	0.19
LW3-W3032-NB-F	surface water fro	3	0.20	3.77	0.79	3.27	15.90	18.20	1.45	1.44	0.55	8.06	2.36	1.37
LW3-W3032-NS-C	surface water fro	3	0.08	1.34	0.19	1.14	7.46	6.54	0.32	0.50	0.14	0.94	0.37	0.20
LW3-W3032-NS-F	surface water fro	3	0.23	4.80	0.97	3.84	19.60	22.40	1.63	1.70	0.66	9.99	2.95	1.77
LW3-STW-CW10-OF22	stormwater	3	639.00	155.00	36.90	85.90	0.64	628.00	62.70	79.00	26.50	208.00	57.10	8.12
LW3-STW-CW20-OF22	stormwater	3	1510.00	409.00	12.08	244.00	28.40	1720.00	178.00	206.00	75.60	539.00	154.00	114.00
LW3-STW-CW20-OF22D	stormwater	3	1500.00	414.00	96.00	258.00	34.30	1700.00	175.00	216.00	77.00	519.00	148.00	108.00
LW3-STW-CW30-OF22	stormwater	3	463.00	135.00	17.22	76.80	10.60	544.00	58.40	73.10	26.80	178.00	48.10	33.50
LW3-STW-GW10-OF22-D	stormwater	3	27.00	13.29	10.77	13.17	4.70	38.30	5.44	12.13	1.78	18.64	12.98	11.59
LW3-STW-GW10-OF22-T	stormwater	3	2340.00	652.00	150.00	343.00	32.70	2620.00	210.00	278.00	89.60	1050.00	278.00	204.00
LW3-W3034-NB-C	surface water fro	3	0.08	0.53	0.11	0.58	3.42	2.83	0.21	0.27	0.09	0.17	0.08	0.11
LW3-W3034-NB-F	surface water fro	3	0.07	1.61	0.20	0.90	7.37	8.49	0.36	0.84	0.34	0.67	0.25	0.14
LW3-W3034-NS-C	surface water fro	3	0.08	0.63	0.12	0.68	3.94	3.00	0.20	0.17	0.17	0.17	0.07	0.03
LW3-W3034-NS-F	surface water fro	3	0.13	1.47	0.40	0.85	6.84	7.44	0.36	0.67	0.31	0.64	0.76	0.45
IE1567	Sediment	2	1.16	16.00	4.14	15.00	61.00	83.00	10.40	9.21	3.64	17.00	4.97	2.69
IE1568	Sediment	2	1.25	17.00	4.28	19.00	76.00	105.00	11.10	9.56	4.46	23.00	6.69	4.07
IE1569	Sediment	2	1.23	17.00	2.78	20.00	77.00	108.00	10.50	9.13	4.35	24.00	7.68	4.55
IE1570	Sediment	2	2.05	27.10	7.57	29.10	122.00	156.00	14.90	13.60	5.93	34.10	10.30	6.12
IE1571	Sediment	2	1.70	19.00	4.80	22.00	89.00	116.00	12.80	10.00	2.68	28.00	7.86	3.99
IE1572	Sediment	2	1.65	19.00	4.92	21.00	82.00	113.00	12.10	10.00	4.89	24.00	7.67	4.55
IE1573	Sediment	2	1.26	18.90	2.20	24.00	96.00	126.00	10.60	10.50	4.48	23.70	8.50	4.69
IE1574	Sediment	2	5.69	42.00	11.00	33.00	162.00	189.00	42.00	32.00	12.00	34.00	10.10	5.73
IE1575	Sediment	2	4.10	47.00	14.00	43.00	199.00	263.00	34.00	28.00	12.00	44.00	14.90	8.30
IE1576	Sediment	2	18.00	123.00	26.00	105.00	488.00	629.00	129.00	95.00	35.00	93.00	29.00	13.00
IE1577	Sediment	2	7.90	70.00	15.00	73.00	343.00	431.00	51.00	48.00	17.00	66.00	23.00	15.00
IE1578	Sediment	2	2.10	32.00	7.94	26.90	138.00	161.00	18.00	18.90	6.71	26.20	8.44	5.76
IE1579	Sediment	2	0.64	8.05	2.01	5.13	28.00	32.00	4.70	3.89	1.30	6.43	2.42	1.46
IU4814	Sediment	2	8.50	129.00	16.50	98.20	442.00	566.00	74.10	67.70	27.20	111.00	39.20	23.70
IU4815	Sediment	2	13.80	156.00	28.40	113.00	537.00	679.00	108.00	92.70	34.60	129.00	43.00	21.40
IU4816	Sediment	2	8.50	115.00	25.60	97.20	449.00	558.00	80.00	61.90	28.10	125.00	37.80	22.80
IU4817	Sediment	2	5.70	89.40	20.00	70.90	323.00	416.00	61.00	49.30	21.50	83.30	27.00	16.50
IU4818	Sediment	2	12.00	141.00	32.70	117.00	599.00	680.00	105.00	83.50	35.10	141.00	38.20	22.50
IU4819	Sediment	2	10.20	124.00	5.42	97.30	470.00	585.00	86.20	82.90	33.90	52.02	13.10	20.70

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-139	PCB-141	PCB-144	PCB-146	PCB-147	PCB-153	PCB-156	PCB-158	PCB-167	PCB-170	PCB-171	PCB-172
IU4820	Sediment	2	10.50	98.10	20.60	87.80	416.00	517.00	85.60	66.30	30.30	121.00	36.30	3.95
IU4821	Sediment	2	3.61	168.00	35.20	127.00	698.00	753.00	130.00	110.00	39.30	159.00	48.90	26.30
IU4822	Sediment	2	9.40	42.25	3.86	88.10	534.00	563.00	90.90	75.20	31.90	153.00	36.80	6.23
IU4823	Sediment	2	3.13	146.00	32.90	113.00	693.00	684.00	93.00	80.90	34.10	144.00	46.90	24.80
IU4824	Sediment	2	3.94	356.00	4.64	56.93	1810.00	1750.00	308.00	263.00	66.10	272.00	82.90	9.52
IU4825	Sediment	2	3.78	102.00	24.20	71.80	433.00	440.00	17.90	47.00	19.30	146.00	35.90	8.90
IU4826	Sediment	2	3.94	102.00	4.90	69.40	403.00	439.00	64.00	51.50	21.50	103.00	12.03	17.10
IU4827	Sediment	2	3.94	112.00	3.33	78.40	546.00	509.00	72.00	59.10	29.30	109.00	33.00	8.07
IU4828	Sediment	2	3.78	132.00	4.12	111.00	531.00	579.00	104.00	63.00	39.00	39.67	13.10	4.86
IU4829	Sediment	2	3.94	181.00	7.16	163.00	817.00	1020.00	154.00	111.00	53.70	183.00	49.90	26.80
IU4830	Sediment	2	2.60	302.00	55.10	267.00	1520.00	1680.00	303.00	250.00	100.00	283.00	69.50	33.30
IU4831	Sediment	2	5.96	391.00	90.00	316.00	1750.00	1840.00	320.00	267.00	101.00	267.00	87.90	40.80
IU4832	Sediment	2	2.98	87.00	1.64	73.00	370.00	440.00	63.50	48.00	19.60	88.00	28.70	18.80
IU4833	Sediment	2	1.97	75.00	2.20	72.00	355.00	411.00	59.90	50.00	4.59	88.00	28.50	5.30
IU4834	Sediment	2	9.80	98.00	2.78	88.00	460.00	500.00	73.10	57.00	28.00	107.00	35.60	25.40
IU4835	Sediment	2	8.70	91.00	2.20	77.00	438.00	469.00	64.70	48.50	7.78	90.00	33.00	8.35

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
LW3-STW2-CW10-WR96	stormwater	3	105.00	0.79	1.69	47.10	4.31	30.00	212.00	52.10	4.98	2.31	83.90	30.20
LW3-STW-CW30-WR96	stormwater	3	158.00	4.25	6.72	19.44	8.65	43.30	358.00	71.50	8.54	38.10	138.00	60.30
LW3-STW-CW40-WR96	stormwater	3	75.10	3.79	4.31	37.80	5.47	4.41	181.00	37.30	1.13	5.45	67.50	4.90
LW3-STW-GW10-WR96-D	stormwater	3	33.10	7.39	5.07	10.50	5.78	10.47	32.87	10.65	1.13	6.31	36.70	6.78
LW3-STW-GW10-WR96-T	stormwater	3	60.30	4.04	6.54	11.08	8.11	10.99	139.00	30.70	1.13	7.49	59.80	7.44
LW3-W3033-2-NB-C	surface water fro	3	1.09	0.02	0.10	0.64	0.27	0.55	1.95	0.76	0.01	0.16	0.23	0.08
LW3-W3033-2-NB-F	surface water fro	3	4.57	0.19	0.59	2.70	0.97	2.07	10.10	3.24	0.15	0.84	2.53	0.98
LW3-W3033-2-NS-C	surface water fro	3	0.96	0.03	0.12	0.56	0.25	0.47	1.72	0.33	0.05	0.15	0.23	0.14
LW3-W3033-2-NS-F	surface water fro	3	3.67	0.16	0.46	2.07	0.76	1.58	8.22	2.63	0.12	0.77	2.22	0.87
LW3-W3033-NB-C	surface water fro	3	0.73	0.03	0.09	0.41	0.21	0.38	1.19	0.31	0.01	0.10	0.23	0.06
LW3-W3033-NB-F	surface water fro	3	3.42	0.15	0.43	2.03	0.74	1.50	7.30	2.36	0.12	0.71	1.78	0.81
LW3-W3033-NS-C	surface water fro	3	0.77	0.04	0.11	0.45	0.10	0.37	0.93	0.32	0.01	0.13	0.22	0.11
LW3-W3033-NS-F	surface water fro	3	3.62	0.16	0.45	2.14	0.82	1.59	8.07	2.62	0.14	0.77	2.05	0.87
060403-FIL-1	Surface Water	3	0.23	0.01	0.03	0.16	0.07	0.12	0.55	0.20	0.19	0.07	0.11	0.05
060403-XAD-1	Surface Water	3	0.06	0.00	0.00	0.04	0.02	0.03	0.11	0.05	0.31	0.01	0.00	0.00
060404-FIL-2	Surface Water	3	0.20	0.01	0.04	0.18	0.07	0.13	0.52	0.19	0.47	0.06	0.11	0.05
060404-XAD-2	Surface Water	3	0.06	0.00	0.00	0.04	0.02	0.04	0.12	0.05	0.31	0.01	0.00	0.01
070910-SPMD1A	Surface Water	3	331.00	21.90	93.80	225.00	125.00	312.00	461.00	295.00	6.30	45.10	41.40	27.10
070910-SPMD1B	Surface Water	3	274.00	17.70	76.20	197.00	105.00	256.00	393.00	234.00	3.97	38.30	35.50	23.60
070910-SPMD2A	Surface Water	3	374.00	23.90	103.00	304.00	144.00	330.00	591.00	351.00	8.66	66.90	65.60	41.50
070910-SPMD2B	Surface Water	3	351.00	22.00	101.00	269.00	155.00	351.00	554.00	321.00	7.27	57.20	52.90	33.80
070910-SPMD3A	Surface Water	3	390.00	25.80	111.00	312.00	164.00	379.00	574.00	349.00	7.18	65.80	60.60	38.40
070910-SPMD3B	Surface Water	3	333.00	22.20	93.30	275.00	141.00	314.00	498.00	305.00	6.45	57.20	57.00	35.10
071022-SPMD1A	Surface Water	3	340.00	22.70	101.00	225.00	127.00	344.00	486.00	331.00	5.86	43.30	45.20	30.50
071022-SPMD1B	Surface Water	3	272.00	17.40	73.80	176.00	99.50	255.00	372.00	246.00	4.76	33.00	37.70	23.10
071022-SPMD2A	Surface Water	3	299.00	17.40	71.60	200.00	98.20	237.00	477.00	262.00	7.63	46.40	47.30	26.80
071022-SPMD2B	Surface Water	3	365.00	23.20	79.90	264.00	122.00	260.00	804.00	332.00	11.70	67.60	89.90	35.30
071022-SPMD3A	Surface Water	3	258.00	17.30	78.00	193.00	103.00	251.00	369.00	243.00	4.13	39.60	40.10	22.50
071022-SPMD3B	Surface Water	3	251.00	16.40	73.90	181.00	98.60	238.00	355.00	233.00	3.52	36.30	35.10	20.30
071102-SPMD1A	Surface Water	3	244.00	15.60	69.50	153.00	85.00	233.00	337.00	221.00	3.39	29.30	33.50	20.10
071102-SPMD1B	Surface Water	3	182.00	11.00	49.00	115.00	62.70	163.00	244.00	158.00	2.60	20.60	22.90	14.50
071102-SPMD2A	Surface Water	3	252.00	15.20	64.50	162.00	81.20	205.00	364.00	216.00	5.16	32.10	33.90	19.70
071102-SPMD2B	Surface Water	3	263.00	16.80	59.20	176.00	85.10	203.00	468.00	238.00	5.51	41.10	51.40	28.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
071102-SPMD3A	Surface Water	3	279.00	16.10	70.40	185.00	99.60	241.00	379.00	239.00	3.27	35.60	33.40	22.80
071102-SPMD3B	Surface Water	3	325.00	20.90	77.00	209.00	104.00	272.00	468.00	291.00	5.21	39.20	48.10	27.50
08021252XAD	Surface Water	3	0.01	0.00	0.01	0.03	0.02	0.02	0.04	0.04	0.14	0.01	0.01	0.01
08021252XAD-FIL	Surface Water	3	0.17	0.01	0.02	0.12	0.04	0.07	0.36	0.13	0.31	0.04	0.08	0.03
08021354XAD	Surface Water	3	0.00	0.00	0.01	0.02	0.01	0.02	0.00	0.00	0.31	0.01	0.00	0.01
08021354XAD-FIL	Surface Water	3	1.18	0.07	0.18	1.19	0.34	0.50	4.82	1.27	0.09	0.41	0.88	0.30
08022156XAD	Surface Water	3	0.00	0.00	0.01	0.03	0.01	0.02	0.00	0.00	0.31	0.00	0.00	0.01
08022156XAD-FIL	Surface Water	3	0.14	0.01	0.02	0.12	0.04	0.07	0.34	0.12	0.31	0.04	0.07	0.03
08022453XAD	Surface Water	3	0.01	0.00	0.01	0.03	0.02	0.02	0.02	0.01	0.19	0.01	0.00	0.01
08022453XAD-FIL	Surface Water	3	0.88	0.05	0.13	0.84	0.25	0.39	3.51	0.91	0.06	0.29	0.66	0.24
08022555XAD	Surface Water	3	0.05	0.00	0.01	0.03	0.02	0.02	0.13	0.04	0.47	0.01	0.03	0.02
08022555XAD-FIL	Surface Water	3	0.15	0.01	0.02	0.13	0.05	0.07	0.37	0.13	0.19	0.04	0.06	0.03
08022757XAD	Surface Water	3	0.04	0.00	0.01	0.03	0.01	0.02	0.11	0.03	0.31	0.01	0.04	0.01
08022757XAD-FIL	Surface Water	3	0.11	0.01	0.02	0.08	0.04	0.06	0.27	0.09	0.19	0.04	0.04	0.02
08022959XAD	Surface Water	3	0.03	0.00	0.01	0.02	0.01	0.02	0.09	0.03	0.19	0.01	0.02	0.01
08022959XAD-FIL	Surface Water	3	0.13	0.01	0.02	0.10	0.04	0.07	0.37	0.13	0.47	0.05	0.05	0.03
08030460XAD	Surface Water	3	0.03	0.00	0.00	0.02	0.01	0.02	0.07	0.03	0.47	0.01	0.01	0.00
08030460XAD-FIL	Surface Water	3	0.13	0.01	0.02	0.11	0.04	0.08	0.39	0.14	0.31	0.05	0.05	0.02
08030661XAD	Surface Water	3	0.03	0.00	0.00	0.02	0.01	0.02	0.08	0.03	0.31	0.01	0.02	0.01
08030661XAD-FIL	Surface Water	3	0.15	0.01	0.02	0.11	0.04	0.07	0.39	0.12	0.47	0.05	0.07	0.03
08030758XAD	Surface Water	3	0.04	0.00	0.01	0.02	0.01	0.02	0.11	0.03	0.31	0.01	0.03	0.01
08030758XAD-FIL	Surface Water	3	0.11	0.01	0.02	0.09	0.03	0.07	0.32	0.12	0.57	0.04	0.05	0.02
ACOE-BAIT	Bait (used in trap	1	0.52	8.82	3.06	0.72	88.42	0.28	8.13	2.36	3.92	0.67	1.69	0.57
P01-CF	Crayfish	1	2.39	0.92	0.53	22.10	7.12	1.62	143.00	16.80	2.69	14.10	11.00	7.44
P04-CF	Crayfish	1	8.43	1.56	1.08	34.20	9.28	2.86	1710.00	28.40	68.30	130.00	39.50	19.10
P04-Clam	Clam Tissue	1	129.00	28.90	86.40	485.00	179.00	245.00	2720.00	865.00	10.10	435.00	19.50	54.00
P04-Sed	Sediment	2	127.00	5.87	18.10	81.60	22.10	38.90	316.00	102.00	9.01	34.60	40.40	17.30
P05-CF	Crayfish	1	6.02	2.38	0.44	25.90	13.60	2.26	245.03	40.50	41.40	49.40	36.30	14.70
P05-Clam	Clam Tissue	1	46.60	10.60	31.30	217.00	90.90	116.00	929.00	288.00	2.77	142.00	10.00	25.30
P05-Sed	Sediment	2	1.01	0.13	0.14	0.81	0.33	0.49	3.50	1.04	0.13	0.45	0.43	0.23
P06-CF	Crayfish	1	3.65	3.30	0.35	36.40	10.20	1.89	2450.00	42.50	82.10	40.30	37.80	12.60
P06-Clam	Clam Tissue	1	61.20	13.70	41.30	266.00	118.00	149.00	1050.00	343.00	4.03	162.00	11.80	30.90
P06-Sed	Sediment	2	2.79	0.13	0.35	2.15	0.71	1.18	8.17	2.54	0.24	0.98	1.85	0.67

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
P07-CF	Crayfish	1	16.20	5.92	1.39	58.50	21.10	2.80	495.00	81.30	16.00	51.90	47.10	15.90
P07-Clam	Clam Tissue	1	41.60	9.62	31.00	196.00	88.20	116.00	874.00	265.00	2.22	130.00	8.22	24.70
P07-Sed	Sediment	2	4.02	0.26	0.63	3.74	1.24	2.04	11.20	3.96	0.33	1.45	2.08	1.21
P08-CF	Crayfish	1	2.45	1.01	0.30	17.40	6.02	1.62	194.00	13.60	5.48	13.80	9.33	4.55
P08-Clam	Clam Tissue	1	39.70	9.47	29.80	188.00	88.00	115.00	692.00	243.00	2.12	114.00	8.38	24.50
P08-Sed	Sediment	2	4.53	0.28	0.76	4.69	1.68	2.65	12.70	4.58	0.35	1.66	2.94	1.71
P09-Sed	Sediment	2	12.20	0.61	1.82	9.64	3.52	5.88	29.10	10.20	0.79	3.47	6.83	3.36
P100-CF	Crayfish	1	1.17	0.44	0.46	10.30	4.95	0.88	79.30	9.06	1.65	10.70	4.53	3.87
P10-Clam	Clam Tissue	1	31.60	6.50	21.70	136.00	62.90	84.20	491.00	171.00	1.52	78.70	6.54	18.00
P10-Sed	Sediment	2	9.72	0.45	1.39	8.49	3.40	5.29	23.70	8.38	0.62	2.87	6.09	3.03
P110-CF	Crayfish	1	1.55	0.29	0.29	4.80	2.42	1.07	57.30	5.11	0.66	4.73	3.76	2.48
P110-Clam	Clam Tissue	1	39.60	7.22	22.00	139.00	65.30	87.20	295.00	153.00	1.57	52.60	8.03	17.80
P110-Sed	Sediment	2	13.90	0.71	1.99	11.90	5.05	8.08	32.20	11.50	0.62	4.02	9.07	4.07
P110-SP	Sculpin	1	8.12	2.37	0.69	19.30	41.60	11.50	264.00	89.00	3.83	44.00	35.70	23.60
P111-Sed	Sediment	2	18.80	0.70	2.20	13.80	5.66	9.39	37.60	13.10	0.87	4.11	12.00	4.76
P11-Clam	Clam Tissue	1	36.10	7.84	25.60	164.00	80.60	105.00	476.00	194.00	1.71	79.80	8.52	22.20
P11-Sed	Sediment	2	9.65	0.52	1.56	8.98	3.56	5.73	24.30	9.08	0.59	2.98	5.38	2.99
P13-CF	Crayfish	1	1.34	0.57	0.13	8.44	3.88	0.60	832.97	6.59	1.17	4.84	6.30	2.18
P13-Clam	Clam Tissue	1	39.10	8.71	27.80	177.00	87.20	114.00	657.00	225.00	1.66	95.50	8.78	24.70
P13-Sed	Sediment	2	7.10	0.21	1.15	6.09	3.02	4.50	21.30	6.82	0.62	2.52	6.45	2.59
P14-CF	Crayfish	1	1.09	0.34	0.16	4.28	1.81	0.55	111.00	3.75	1.62	2.85	7.03	3.96
P14-Clam	Clam Tissue	1	40.70	9.35	29.40	189.00	93.00	119.00	696.00	242.00	2.03	102.00	9.54	26.70
P14-Sed	Sediment	2	2.29	0.31	0.39	1.82	0.77	1.36	5.52	2.03	0.20	0.60	1.63	1.04
P15-CF	Crayfish	1	2.33	0.60	0.29	10.60	3.77	1.06	73.90	8.26	1.26	7.76	6.69	3.12
P15-Clam	Clam Tissue	1	37.90	8.34	25.80	170.00	82.30	105.00	509.00	201.00	1.56	84.10	7.72	22.60
P15-Sed	Sediment	2	9.67	0.54	1.60	9.85	4.36	6.75	27.70	9.97	0.53	3.53	4.82	2.05
P16-CF	Crayfish	1	2.37	0.93	0.47	19.10	7.59	2.48	2831.67	14.80	1.55	11.90	6.53	3.95
P16-Clam	Clam Tissue	1	31.10	7.20	23.30	148.00	72.40	95.70	489.00	183.00	1.56	76.50	6.83	19.90
P16-Sed	Sediment	2	9.52	0.52	1.47	9.45	3.57	6.18	26.10	8.75	0.45	2.68	4.86	3.38
P17-CF	Crayfish	1	0.86	0.20	0.35	3.60	1.92	1.17	47.30	4.09	0.93	2.82	2.14	1.67
P17-Clam	Clam Tissue	1	30.80	6.90	21.20	146.00	70.30	88.20	420.00	170.00	1.67	68.50	7.11	19.50
P17-Sed	Sediment	2	6.72	0.29	1.09	6.50	2.61	4.18	20.90	6.13	0.43	1.91	4.77	2.56
P18-CF	Crayfish	1	1.36	0.62	0.16	11.60	4.27	0.91	104.00	8.75	1.58	7.41	8.18	4.16

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
P18-Clam	Clam Tissue	1	32.90	7.01	21.10	141.00	70.00	86.20	424.00	175.00	1.60	71.60	7.23	18.50
P18-Sed	Sediment	2	4.68	0.27	0.80	4.72	2.28	3.40	14.00	4.78	0.22	1.73	2.40	1.10
P19-CF	Crayfish	1	1.18	0.48	0.38	9.27	4.25	1.53	54.20	7.93	0.92	5.92	3.41	2.43
P20-CF	Crayfish	1	1.01	0.42	0.34	11.50	3.43	0.77	66.80	8.16	1.09	6.14	4.08	3.11
P21-CF	Crayfish	1	2.02	0.65	0.65	12.50	5.11	2.41	73.80	11.90	1.23	7.38	4.48	3.38
P21-Clam	Clam Tissue	1	32.10	7.22	22.20	151.00	72.90	88.30	433.00	184.00	1.66	77.50	7.74	19.30
P21-Sed	Sediment	2	6.26	0.34	1.11	6.26	2.52	4.92	16.70	5.39	0.33	2.06	3.67	1.57
P22-CF	Crayfish	1	0.40	0.14	0.09	2.34	0.89	0.25	63.00	2.89	1.24	2.39	2.79	2.34
P22-Clam	Clam Tissue	1	42.40	8.78	27.50	184.00	87.80	115.00	512.00	214.00	1.83	90.10	8.77	26.30
P22-Sed	Sediment	2	3.70	0.21	0.58	3.89	1.63	2.54	10.10	3.57	0.23	1.31	2.87	1.25
P24-Clam	Clam Tissue	1	36.90	8.31	27.40	171.00	83.90	112.00	440.00	195.00	1.75	79.10	7.58	23.90
P24-Sed	Sediment	2	5.63	0.27	0.78	4.43	1.92	3.41	14.10	4.84	0.26	1.60	3.34	1.41
P26-Clam	Clam Tissue	1	37.00	8.29	28.30	165.00	83.40	113.00	465.00	202.00	1.44	80.30	9.21	25.30
P26-Sed	Sediment	2	4.18	0.18	0.56	3.24	1.28	2.44	11.00	3.81	0.26	1.27	2.42	0.99
P27-Clam	Clam Tissue	1	38.50	9.04	28.80	179.00	86.80	0.07	529.00	216.00	1.51	90.90	9.49	26.30
P27-Sed	Sediment	2	5.36	0.33	0.97	5.22	2.16	3.65	22.10	7.36	0.35	3.12	3.24	1.50
P28-Clam	Clam Tissue	1	40.00	8.63	27.20	174.00	83.90	111.00	584.00	220.00	1.85	98.60	8.56	26.20
P28-Sed	Sediment	2	5.39	0.22	0.73	4.88	2.04	3.22	14.00	4.56	0.42	1.74	3.60	1.57
P29-Clam	Clam Tissue	1	37.60	8.38	27.80	172.00	85.50	112.00	422.00	191.00	1.68	78.00	7.56	24.00
P29-Sed	Sediment	2	5.45	0.28	0.84	5.30	2.10	3.49	14.00	4.98	0.36	1.90	3.20	1.45
P33-CF	Crayfish	1	0.94	0.25	0.23	5.32	2.18	0.68	52.30	5.09	0.96	3.57	3.76	2.33
P34-Clam	Clam Tissue	1	41.20	8.54	28.40	174.00	86.90	116.00	431.00	198.00	1.98	78.50	8.38	25.10
P34-Sed	Sediment	2	10.60	0.52	1.54	8.81	3.48	5.98	24.50	9.01	0.57	3.01	5.11	2.30
P35-Clam	Clam Tissue	1	47.70	10.40	34.00	205.00	101.00	140.00	474.00	231.00	2.23	89.20	9.99	29.80
P35-Sed	Sediment	2	4.36	0.23	0.65	3.94	1.66	2.82	11.00	3.87	0.25	1.48	3.05	1.33
P36-Clam	Clam Tissue	1	46.20	10.40	33.60	220.00	110.00	136.00	494.00	228.00	2.40	93.80	10.20	29.60
P36-Sed	Sediment	2	3.72	0.20	0.61	3.66	1.33	2.46	9.20	3.40	0.24	1.21	2.32	1.17
P37-Clam	Clam Tissue	1	40.10	8.84	28.80	188.00	90.50	116.00	489.00	202.00	2.09	84.80	9.10	26.40
P37-Sed	Sediment	2	3.89	0.17	0.65	3.94	1.42	2.34	9.03	3.36	0.20	1.23	2.44	1.20
P38/42-CF	Crayfish	1	1.53	0.37	0.27	10.00	4.64	0.92	47.60	7.37	0.77	4.95	3.38	2.28
P38-Clam	Clam Tissue	1	38.10	8.54	28.00	181.00	87.90	113.00	414.00	197.00	1.95	80.30	8.85	24.40
P38-Sed	Sediment	2	3.62	0.21	0.72	4.73	1.93	3.12	11.30	4.70	0.19	1.69	2.33	1.24
P39-Clam	Clam Tissue	1	46.90	10.30	33.00	216.00	107.00	134.00	547.00	243.00	2.34	102.00	10.90	29.60

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
P39-Sed	Sediment	2	2.60	0.17	0.41	2.78	1.09	1.82	7.12	2.58	0.16	0.97	1.90	0.90
P40-Clam	Clam Tissue	1	42.60	9.73	31.70	198.00	97.40	129.00	476.00	220.00	2.41	88.70	10.30	28.80
P40-Sed	Sediment	2	2.94	0.19	0.53	3.38	1.37	2.17	9.27	3.61	0.18	1.29	1.82	1.06
P41-Clam	Clam Tissue	1	43.30	10.10	32.00	206.00	99.90	131.00	476.00	223.00	2.37	89.60	10.60	30.20
P41-Sed	Sediment	2	2.38	0.12	0.46	2.46	0.92	1.59	6.75	2.48	0.13	0.97	1.40	0.71
P42-Clam	Clam Tissue	1	40.10	8.98	29.50	188.00	90.40	119.00	458.00	209.00	2.17	84.70	10.40	27.10
P42-Sed	Sediment	2	1.31	0.08	0.25	1.53	0.57	0.93	3.99	1.50	0.07	0.55	0.78	0.49
P46-Sed	Sediment	2	1.12	0.06	0.09	0.83	0.45	0.52	2.87	0.95	0.10	0.30	0.93	0.33
P47-Sed	Sediment	2	1.82	0.09	0.31	1.86	0.67	1.13	4.66	1.67	0.12	0.57	1.11	0.56
P48-Sed	Sediment	2	1.69	0.13	0.25	1.69	0.60	1.02	4.94	1.53	0.10	0.43	1.17	0.58
P49-Sed	Sediment	2	4.75	0.18	0.57	4.39	1.33	2.51	12.60	3.86	0.25	1.29	3.01	1.36
P50-Sed	Sediment	2	13.10	0.61	1.80	10.30	4.16	6.56	31.40	10.90	0.60	3.28	7.52	3.41
P51-Sed	Sediment	2	2.21	0.12	0.21	2.13	1.00	1.01	7.15	1.90	0.14	0.73	2.04	1.01
P65-Clam	Clam Tissue	1	44.00	9.56	30.90	203.00	97.50	128.00	508.00	227.00	2.21	90.30	10.70	27.80
P65-Sed	Sediment	2	5.86	0.26	0.74	5.35	1.87	2.87	12.50	4.74	0.24	1.59	2.64	1.21
P67-Sed	Sediment	2	0.92	0.50	0.13	0.72	0.28	0.41	2.21	0.70	0.41	0.25	0.51	0.23
P72-CF	Crayfish	1	1.26	0.39	0.17	8.23	3.61	0.50	59.10	6.19	1.33	5.05	6.01	3.41
P73-CF	Crayfish	1	1.04	0.49	0.23	10.90	4.15	0.47	61.30	7.93	1.19	5.69	5.36	3.75
P74-CF	Crayfish	1	0.80	0.32	0.32	7.16	2.71	0.75	55.50	7.07	1.04	5.00	3.88	3.38
P75-CF	Crayfish	1	0.89	0.48	0.53	9.14	5.19	1.48	74.10	9.00	1.25	5.95	3.73	2.76
P76-CF	Crayfish	1	0.87	0.21	0.11	4.52	1.45	0.48	39.20	3.55	0.85	3.09	3.47	1.97
P78-CF	Crayfish	1	0.78	0.26	0.16	6.63	2.81	0.39	41.90	4.61	0.91	3.11	2.90	2.28
P79-CF	Crayfish	1	1.69	0.50	0.31	11.10	4.35	1.05	70.10	8.46	1.31	7.28	6.15	3.87
P82-CF	Crayfish	1	2.36	0.99	0.58	19.90	8.53	0.97	145.00	22.70	2.20	12.90	9.42	5.80
P85-Clam	Clam Tissue	1	34.60	8.11	27.30	180.00	87.00	116.00	474.00	189.00	2.01	79.40	7.99	24.50
P85-Sed	Sediment	2	5.52	0.28	0.82	5.10	2.22	3.45	15.20	5.44	0.25	2.02	3.15	1.45
P86-Clam	Clam Tissue	1	34.50	7.15	25.50	169.00	78.20	108.00	390.00	171.00	1.71	72.80	7.57	25.00
P86-Sed	Sediment	2	3.58	0.22	0.57	3.67	1.52	2.41	9.26	3.37	0.16	1.25	2.46	1.05
P87-Clam	Clam Tissue	1	32.50	6.96	23.40	153.00	73.30	97.90	384.00	168.00	1.72	72.40	8.29	21.60
P87-Sed	Sediment	2	5.30	0.23	0.73	4.55	1.86	3.01	13.10	4.71	0.24	1.60	3.66	1.57
P88-Clam	Clam Tissue	1	46.20	9.44	30.10	189.00	89.80	122.00	558.00	229.00	2.18	94.10	10.30	26.50
P88-Sed	Sediment	2	1.82	0.10	0.23	1.68	0.66	1.05	5.16	1.89	0.10	0.64	1.12	0.50
P89-Clam	Clam Tissue	1	42.20	8.02	26.30	166.00	78.90	108.00	540.00	209.00	1.81	85.60	9.10	23.70

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
P89-Sed	Sediment	2	2.12	0.11	0.26	1.61	0.54	0.99	6.03	1.81	0.10	0.75	1.94	0.85
P90-CF	Crayfish	1	0.85	0.21	0.30	4.96	2.81	0.61	98.60	15.00	1.29	4.71	2.89	3.45
P91-CF	Crayfish	1	0.95	0.58	0.67	18.20	5.70	1.41	71.10	12.40	1.14	7.11	3.96	3.94
P92-CF	Crayfish	1	0.72	0.57	0.21	5.45	2.29	0.31	58.70	4.21	1.31	4.30	3.85	2.32
P94-CF	Crayfish	1	0.62	0.32	0.17	7.30	2.64	0.46	57.20	6.21	0.94	6.46	2.91	3.12
P98-CF	Crayfish	1	0.76	0.22	0.15	5.60	2.36	0.56	65.50	4.69	1.32	4.93	3.44	2.36
SB-01	Smallmouth Bas	1	104.00	18.40	17.20	251.00	171.00	92.80	1460.00	426.00	21.60	180.00	170.00	85.60
SB-02	Smallmouth Bas	1	4840.00	314.00	624.00	3800.00	1580.00	1840.00	20600.00	6240.00	482.00	2350.00	1720.00	777.00
SB-03	Smallmouth Bas	1	3590.00	237.00	211.00	3400.00	1080.00	191.00	18800.00	4050.00	531.00	1570.00	1170.00	433.00
SB-04	Smallmouth Bas	1	209.00	46.30	29.30	371.00	476.00	210.00	5930.00	1620.00	75.90	647.00	688.00	357.00
SB-05	Smallmouth Bas	1	182.00	24.90	29.10	344.00	236.00	159.00	2020.00	573.00	25.00	229.00	215.00	125.00
SB-06	Smallmouth Bas	1	994.00	94.30	191.00	1630.00	720.00	686.00	5400.00	1660.00	113.00	624.00	654.00	330.00
SB-07	Smallmouth Bas	1	190.00	35.70	38.80	429.00	447.00	302.00	3040.00	1060.00	39.00	440.00	399.00	265.00
SB-08	Smallmouth Bas	1	4060.00	424.00	362.00	4150.00	2160.00	1680.00	33300.00	9230.00	841.00	3580.00	3090.00	1220.00
SB-09	Smallmouth Bas	1	134.00	38.00	22.30	408.00	481.00	244.00	3570.00	1180.00	49.10	487.00	421.00	242.00
SB-10	Smallmouth Bas	1	755.00	103.00	124.00	1210.00	970.00	632.00	7510.00	2510.00	91.00	870.00	783.00	467.00
SB-11	Smallmouth Bas	1	#######	6570.00	11700.00	87300.00	27700.00	26800.00	#######	#######	9300.00	36500.00	52500.00	18800.00
SB-12	Smallmouth Bas	1	303.00	104.00	31.70	1240.00	627.00	221.00	18200.00	2000.00	324.00	1210.00	1790.00	568.00
SB-13	Smallmouth Bas	1	1320.00	282.00	168.00	1960.00	1780.00	1090.00	26800.00	6770.00	661.00	2670.00	2410.00	1050.00
SB-14	Smallmouth Bas	1	75.50	20.80	12.20	205.00	280.00	136.00	2150.00	667.00	31.10	301.00	310.00	187.00
SB-15	Smallmouth Bas	1	117.00	29.60	20.80	293.00	341.00	180.00	2430.00	822.00	40.70	347.00	295.00	175.00
SB-16	Smallmouth Bas	1	1340.00	154.00	164.00	1690.00	1080.00	609.00	17300.00	3710.00	402.00	1390.00	1860.00	648.00
SB-17	Smallmouth Bas	1	73500.00	4970.00	8700.00	58800.00	14900.00	14400.00	#######	72000.00	10100.00	29200.00	17900.00	6840.00
SB-18	Smallmouth Bas	1	8130.00	715.00	829.00	8090.00	2760.00	2080.00	59100.00	15100.00	1880.00	6200.00	5150.00	1800.00
SB-19	Smallmouth Bas	1	157.00	35.70	22.50	506.00	255.00	86.70	3450.00	598.00	41.90	252.00	341.00	157.00
SF-01	Sculpin	1	12.70	5.64	1.55	40.60	81.80	26.80	975.00	234.00	12.80	107.00	101.00	60.80
SF-02	Sculpin	1	8.59	11.30	0.82	58.00	246.00	21.30	7050.00	788.00	88.10	421.00	422.00	394.00
SF-04	Sculpin	1	687.00	125.00	64.30	851.00	659.00	318.00	16500.00	3520.00	400.00	1640.00	950.00	371.00
SF-05	Sculpin	1	134.00	63.50	10.70	309.00	599.00	121.00	26600.00	3550.00	501.00	1990.00	1480.00	534.00
SF-06	Sculpin	1	152.00	27.80	20.80	311.00	300.00	220.00	2040.00	721.00	43.70	294.00	147.00	90.20
SF-07	Sculpin	1	21.00	9.72	3.09	85.40	159.00	67.10	1290.00	347.00	13.50	172.00	124.00	84.90
SF-08	Sculpin	1	19.40	9.21	2.74	72.40	168.00	53.30	1460.00	384.00	15.70	202.00	130.00	92.00
SF-09	Sculpin	1	12.00	5.65	1.73	57.10	87.70	34.30	693.00	172.00	8.13	83.00	69.50	44.60

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
SF-10	Sculpin	1	32.30	9.54	5.13	91.30	147.00	82.80	1150.00	379.00	13.60	170.00	118.00	83.00
SF-11	Sculpin	1	7.51	8.02	0.61	45.50	133.00	17.50	2270.00	398.00	20.90	242.00	190.00	123.00
SF-12	Sculpin	1	70.80	10.60	13.60	414.00	386.00	333.00	744.00	309.00	9.62	161.00	65.90	67.90
SF-13	Sculpin	1	12.80	5.47	1.61	38.40	79.70	35.10	448.00	175.00	5.86	67.00	62.30	31.10
SF-14	Sculpin	1	17.90	15.20	3.85	110.00	292.00	91.60	1650.00	595.00	15.80	246.00	116.00	109.00
SF-15	Sculpin	1	3.01	5.04	23.54	19.20	128.00	10.20	1620.00	319.00	20.50	169.00	179.00	85.50
SF-16	Sculpin	1	12.90	11.30	1.73	78.60	170.00	36.50	2710.00	360.00	41.30	193.00	155.00	98.30
SF-17	Sculpin	1	32.70	14.80	4.77	93.90	200.00	61.00	1860.00	520.00	24.80	191.00	204.00	98.10
SR-01	Sculpin	1	21.40	6.60	3.59	60.80	118.00	57.70	624.00	224.00	6.91	97.80	65.20	45.20
SR-02	Sculpin	1	21.50	8.12	3.43	62.00	164.00	59.10	756.00	321.00	8.59	131.00	75.00	59.20
SR-03	Sculpin	1	9.27	15.10	1.58	79.90	357.00	67.80	1940.00	722.00	21.61	322.00	158.00	158.00
SR-04	Sculpin	1	31.80	8.19	5.38	84.50	109.00	72.60	514.00	203.00	5.20	78.10	52.90	37.30
SR-05	Sculpin	1	50.60	13.70	8.51	146.00	257.00	127.00	1650.00	550.00	17.20	260.00	162.00	133.00
SR-06	Sculpin	1	16.30	5.72	1.97	47.40	93.40	44.70	523.00	194.00	5.98	78.20	57.70	38.80
SR-07	Sculpin	1	21.90	9.25	3.13	75.60	150.00	69.20	576.00	279.00	6.73	102.00	57.60	40.30
SR-08	Sculpin	1	15.70	7.83	2.40	65.80	136.00	52.60	584.00	242.00	6.40	98.20	53.10	41.60
SR-09	Sculpin	1	22.80	7.42	3.50	80.40	131.00	68.10	576.00	233.00	5.93	98.70	55.10	44.30
SR-10	Sculpin	1	47.40	9.47	8.24	115.00	159.00	93.60	841.00	319.00	9.63	135.00	84.50	66.20
SR-11	Sculpin	1	21.90	12.80	3.44	93.70	247.00	78.80	1360.00	508.00	14.20	227.00	130.00	124.00
SR-12	Sculpin	1	21.90	10.10	3.43	79.60	189.00	74.40	1020.00	379.00	11.50	172.00	104.00	83.20
SR-13	Sculpin	1	24.70	12.60	6.51	127.00	193.00	99.40	998.00	362.00	9.74	146.00	71.40	70.80
SR-14	Sculpin	1	49.30	12.10	8.71	155.00	159.00	123.00	630.00	273.00	6.90	102.00	56.80	43.50
SR-15	Sculpin	1	15.40	9.08	1.82	50.70	195.00	31.60	1510.00	445.00	15.40	229.00	144.00	127.00
SR-16	Sculpin	1	14.20	6.65	2.90	63.30	115.00	48.60	670.00	239.00	8.20	101.00	67.30	56.80
SR-17	Sculpin	1	31.40	11.80	4.44	94.00	196.00	96.20	1020.00	396.00	11.00	158.00	107.00	77.00
SR-18	Sculpin	1	30.50	11.50	4.85	88.80	173.00	79.00	756.00	316.00	9.20	120.00	74.80	59.60
SUCKER	Largescale Suck	1	1640.00	181.00	417.00	2800.00	1430.00	1600.00	7180.00	3140.00	78.00	732.00	695.00	422.00
LW3-W3035-NB-C	surface water fro	3	1.28	0.02	0.18	0.77	0.36	0.67	2.17	0.35	0.03	0.19	0.32	0.15
LW3-W3035-NB-F	surface water fro	3	12.50	0.52	1.73	7.98	2.91	6.07	27.20	9.31	0.43	2.54	5.32	2.32
LW3-W3035-NS-C	surface water fro	3	1.64	0.04	0.11	0.91	0.21	0.92	2.55	1.11	0.04	0.23	0.22	0.12
LW3-W3035-NS-F	surface water fro	3	8.31	0.33	1.12	5.37	1.73	3.80	18.20	5.96	0.27	1.57	3.50	1.48
SB-20	Smallmouth Bas	1	270.00	31.40	66.40	535.00	292.00	321.00	1220.00	559.00	16.50	179.00	167.00	112.00
SB-21	Smallmouth Bas	1	195.00	29.30	42.00	429.00	303.00	232.00	1310.00	573.00	17.40	192.00	150.00	105.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
SB-22	Smallmouth Bas	1	229.00	32.70	62.20	557.00	351.00	342.00	1120.00	567.00	16.80	185.00	126.00	95.20
SB-23	Smallmouth Bas	1	164.00	17.10	36.00	291.00	166.00	153.00	806.00	297.00	13.30	103.00	122.00	65.20
SB-24	Smallmouth Bas	1	642.00	71.80	91.00	903.00	786.00	810.00	5270.00	1740.00	67.70	570.00	618.00	334.00
SB-25	Smallmouth Bas	1	254.00	28.30	58.10	441.00	237.00	230.00	1040.00	458.00	19.50	144.00	138.00	77.00
SB-26	Smallmouth Bas	1	185.00	26.30	44.30	382.00	288.00	229.00	1500.00	549.00	23.20	201.00	208.00	122.00
SB-27	Smallmouth Bas	1	231.00	58.60	40.10	633.00	848.00	411.00	6100.00	2010.00	102.00	912.00	661.00	510.00
SB-28	Smallmouth Bas	1	198.00	25.80	48.50	496.00	275.00	250.00	1060.00	483.00	14.70	169.00	133.00	97.00
SB-29	Smallmouth Bas	1	194.00	27.60	34.30	437.00	283.00	215.00	1550.00	547.00	21.70	198.00	153.00	97.80
SB-30	Smallmouth Bas	1	375.00	46.70	97.90	829.00	470.00	478.00	1900.00	857.00	31.30	292.00	244.00	177.00
SB-31	Smallmouth Bas	1	121.00	28.30	19.00	417.00	338.00	154.00	3000.00	759.00	44.40	411.00	344.00	219.00
SB-32	Smallmouth Bas	1	212.00	27.70	54.90	512.00	307.00	264.00	1300.00	542.00	19.70	209.00	163.00	105.00
SB-33	Smallmouth Bas	1	1480.00	142.00	134.00	2030.00	584.00	271.00	15600.00	2520.00	532.00	1520.00	1150.00	385.00
SB-34	Smallmouth Bas	1	242.00	29.30	50.40	503.00	291.00	244.00	1380.00	583.00	20.90	217.00	157.00	91.80
SB-35	Smallmouth Bas	1	220.00	36.00	37.40	462.00	422.00	243.00	2670.00	904.00	38.60	381.00	285.00	172.00
SB-36	Smallmouth Bas	1	447.00	71.50	124.00	1220.00	683.00	549.00	2870.00	1290.00	37.50	431.00	289.00	195.00
SB-37	Smallmouth Bas	1	235.00	37.10	45.70	550.00	419.00	315.00	2110.00	843.00	29.50	345.00	204.00	146.00
SB-38	Smallmouth Bas	1	270.00	39.40	76.90	675.00	384.00	348.00	1460.00	700.00	20.50	243.00	134.00	97.20
LW3-STW-CW10-WR14	stormwater	3	78.00	1.75	1.69	40.20	2.35	27.70	185.00	41.90	3.61	2.31	42.50	2.02
LW3-STW-CW30-WR14	stormwater	3	7.44	3.79	3.31	6.23	4.31	6.19	64.70	6.45	1.13	4.28	6.49	3.82
LW3-STW-CW40-WR14	stormwater	3	150.00	16.38	15.98	82.20	30.60	53.50	351.00	77.40	11.30	32.60	85.20	14.80
LW3-STW-CW10-OF18	stormwater	3	4740.00	215.00	605.00	2590.00	954.00	2130.00	11800.00	2790.00	172.00	796.00	5450.00	1260.00
LW3-STW-CW10-OF18-2	stormwater	3	1860.00	81.30	222.00	978.00	363.00	782.00	4190.00	1010.00	57.20	323.00	1090.00	389.00
LW3-STW-CW10-OF19	stormwater	3	478.00	3.79	53.10	267.00	92.50	209.00	1110.00	267.00	15.40	82.90	237.00	107.00
LW3-STW-CW10-OF19D	stormwater	3	423.00	0.81	48.60	242.00	81.10	175.00	975.00	232.00	13.00	77.10	222.00	85.50
LW3-STW-CW20-OF18	stormwater	3	1610.00	78.00	216.00	891.00	308.00	717.00	3640.00	906.00	49.00	282.00	807.00	330.00
LW3-STW-CW30-OF18	stormwater	3	1490.00	64.90	176.00	801.00	273.00	636.00	3240.00	772.00	44.50	251.00	822.00	331.00
LW3-STW-CW30-OF19	stormwater	3	1070.00	49.70	122.00	574.00	218.00	461.00	2150.00	568.00	34.80	169.00	500.00	26.13
LW3-STW-CW40-OF19	stormwater	3	194.00	1.75	28.30	112.00	10.35	87.90	490.00	136.00	8.08	42.10	127.00	49.80
LW3-STW-CW40-OF19D	stormwater	3	225.00	10.16	10.18	128.00	39.70	95.90	498.00	135.00	1.18	41.70	121.00	47.00
LW3-STW-GW10-OF18-2-T	stormwater	3	128.00	7.39	6.13	72.60	27.20	56.30	285.00	76.90	4.55	7.49	80.10	27.90
LW3-STW-GW10-OF18-D	stormwater	3	7.44	3.79	6.13	6.23	7.47	6.19	30.50	6.45	0.93	4.28	6.49	3.82
LW3-STW-GW10-OF18-T	stormwater	3	174.00	3.93	6.13	94.50	9.20	80.40	384.00	93.30	5.73	29.80	98.40	34.40
WLCT4C07OF53070324	stormwater	3	510.00	15.29	62.40	281.00	100.00	210.00	1190.00	295.00	19.40	94.70	344.00	112.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
WLCT4C07OF53070407	stormwater	3	342.00	3.79	40.10	185.00	72.10	149.00	810.00	189.00	1.37	56.60	270.00	88.10
WLCT4C07OF53070503	stormwater	3	942.00	12.29	114.00	527.00	184.00	397.00	2300.00	539.00	44.60	172.00	648.00	255.00
LW3-STW2-CW10-OF49	stormwater	3	40.30	0.42	1.36	6.23	3.03	6.19	102.00	6.45	1.13	2.99	6.49	2.02
LW3-STW-CW10-OF49	stormwater	3	32.30	2.51	2.30	6.54	3.24	4.59	66.00	7.13	1.13	2.99	6.49	2.85
LW3-STW-CW20-OF49	stormwater	3	51.90	3.79	6.13	30.50	7.47	10.47	118.00	11.92	1.13	7.49	31.50	8.50
LW3-STW2-CW10-OF22B	stormwater	3	958.00	81.00	101.00	657.00	202.00	509.00	2490.00	658.00	37.30	183.00	550.00	301.00
LW3-STW2-CW20-OF22B	stormwater	3	367.00	2.16	47.40	191.00	62.20	155.00	813.00	199.00	1.41	66.00	214.00	77.20
LW3-STW2-CW20-OF22B-	stormwater	3	442.00	0.61	52.00	224.00	73.20	183.00	900.00	218.00	14.70	70.10	257.00	92.90
LW3-STW-CW10-OF22B	stormwater	3	2430.00	106.00	299.00	1290.00	487.00	1110.00	5390.00	1330.00	69.20	400.00	1510.00	586.00
LW3-STW-CW20-OF22B	stormwater	3	2720.00	112.00	336.00	1820.00	555.00	1400.00	7250.00	1420.00	95.20	477.00	1890.00	732.00
LW3-STW-GW10-OF22B-D	stormwater	3	11.77	1.75	3.31	6.23	4.31	6.19	14.12	10.65	1.13	4.28	6.49	3.82
LW3-STW-GW10-OF22B-T	stormwater	3	435.00	5.08	57.30	222.00	100.00	209.00	930.00	233.00	11.30	71.60	214.00	85.90
LW3-STW2-CW10-OF22C	stormwater	3	12.72	4.04	6.34	11.08	8.11	10.99	14.12	11.92	0.93	7.49	10.59	7.44
LW3-STW-CW10-OF22C	stormwater	3	11.77	3.79	5.07	10.50	5.78	10.47	14.12	10.65	1.13	6.31	10.59	6.78
LW3-STW-CW10-OF22C-2	stormwater	3	12.72	3.93	3.31	6.23	4.47	6.19	14.12	6.45	1.13	4.28	10.59	7.15
LW3-STW-CW20-OF22C	stormwater	3	11.77	2.43	4.31	10.50	11.62	10.47	14.12	10.65	1.13	5.45	10.59	3.82
LW3-STW-CW20-OF22C-2	stormwater	3	7.44	1.81	1.69	6.23	4.31	6.19	14.12	6.45	1.13	2.99	6.49	4.00
LW3-STW-CW20-WR107	stormwater	3	16.76	3.93	4.31	15.82	11.62	15.85	49.60	15.77	1.13	7.49	15.51	11.39
LW3-STW-CW30-WR107	stormwater	3	41.60	3.79	5.07	10.50	5.78	10.47	98.50	27.40	1.13	6.31	29.10	6.78
LW3-STW-CW40-WR107	stormwater	3	94.50	3.79	5.07	40.10	3.44	38.60	221.00	60.20	6.45	6.31	73.40	26.70
LW3-STW-GW10-WR107-D	stormwater	3	12.72	12.97	13.37	16.78	15.60	20.13	14.12	17.84	0.93	14.40	15.51	14.70
LW3-STW-GW10-WR107-T	stormwater	3	54.70	2.43	6.13	27.70	7.47	10.47	126.00	13.01	1.13	6.31	40.40	6.78
LW3-W3031-NB-C	surface water fro	3	0.64	0.02	0.10	0.25	0.19	0.30	0.86	0.31	0.02	0.05	0.19	0.04
LW3-W3031-NB-F	surface water fro	3	2.59	0.03	0.12	1.49	0.59	1.18	6.24	1.82	0.01	0.57	0.34	0.64
LW3-W3031-NS-C	surface water fro	3	0.74	0.06	0.07	0.41	0.22	0.25	0.93	0.32	0.01	0.09	0.22	0.05
LW3-W3031-NS-F	surface water fro	3	0.42	0.04	0.03	0.14	0.09	0.14	0.93	0.25	0.02	0.05	0.21	0.08
LW3-STW-CW10-WR147	stormwater	3	9850.00	484.00	1150.00	4090.00	2350.00	5620.00	25400.00	6010.00	271.00	1210.00	13700.00	3510.00
LW3-STW-CW20-WR147	stormwater	3	29800.00	1480.00	3730.00	12700.00	7460.00	18200.00	78000.00	19500.00	742.00	3740.00	40400.00	11500.00
LW3-STW-CW30-WR147	stormwater	3	4790.00	239.00	597.00	2060.00	1220.00	2760.00	12100.00	3020.00	145.00	668.00	6010.00	1660.00
LW3-W3036-NB-C	surface water fro	3	0.62	0.02	0.10	0.30	0.19	0.30	0.93	0.32	0.01	0.07	0.23	0.10
LW3-W3036-NB-F	surface water fro	3	3.38	0.04	0.49	1.88	0.87	1.35	7.80	0.60	0.15	0.68	0.38	0.71
LW3-W3036-NS-C	surface water fro	3	0.67	0.03	0.09	0.33	0.16	0.34	0.93	0.31	0.01	0.05	0.23	0.13
LW3-W3036-NS-F	surface water fro	3	1.98	0.03	0.27	1.31	0.44	0.95	4.89	0.33	0.03	0.42	1.39	0.48

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
LW3-STW2-CW10-H30	stormwater	3	216.00	1.13	25.40	117.00	42.60	98.30	487.00	115.00	1.27	31.80	78.80	2.76
LW3-STW2-CW20-H30B	stormwater	3	304.00	1.10	37.60	170.00	59.30	127.00	677.00	168.00	1.97	54.60	163.00	61.80
LW3-STW2-CW30-H30	stormwater	3	161.00	1.10	2.24	84.30	3.03	61.90	337.00	79.40	6.59	29.80	85.80	30.40
LW3-STW2-CW30-H30B	stormwater	3	526.00	28.70	65.30	285.00	107.00	208.00	1150.00	304.00	18.90	92.90	269.00	116.00
LW3-STW2-CW40-H30	stormwater	3	419.00	0.50	49.30	224.00	70.30	167.00	911.00	229.00	14.90	78.70	220.00	88.90
LW3-STW2-CW40-H30B	stormwater	3	270.00	1.81	33.20	158.00	51.60	116.00	605.00	151.00	10.50	49.50	138.00	53.50
LW3-STW2-CW50-H30B	stormwater	3	515.00	0.62	66.70	274.00	100.00	209.00	1140.00	295.00	17.70	98.40	271.00	113.00
LW3-W3029-NB-C	surface water fro	3	0.70	0.05	0.24	0.38	0.25	0.39	1.19	0.33	0.01	0.05	0.23	0.06
LW3-W3029-NB-F	surface water fro	3	2.12	0.13	0.27	1.34	0.50	0.90	4.87	0.36	0.07	0.43	1.26	0.56
LW3-W3029-NS-C	surface water fro	3	0.38	0.02	0.14	0.35	0.23	0.39	0.68	0.33	0.02	0.12	0.37	0.07
LW3-W3029-NS-F	surface water fro	3	2.17	0.03	0.30	1.40	0.58	1.08	4.71	1.66	0.07	0.45	1.57	0.63
ST03a-Sed01	Sediment	2	46.80	1.96	6.41	31.80	13.00	24.40	143.00	28.40	2.75	11.10	32.20	11.60
ST04a-Sed01	Sediment	2	288.00	11.70	37.50	176.00	65.80	140.00	692.00	171.00	14.10	54.80	151.00	66.20
ST04a-Sed101	Sediment	2	304.00	12.90	37.70	195.00	67.80	138.00	813.00	194.00	18.10	57.50	190.00	75.10
ST04b-Sed01	Sediment	2	68.50	2.88	8.54	39.70	16.00	31.70	201.00	38.00	3.99	14.10	42.60	15.40
ST05a-Sed01	Sediment	2	145.00	5.92	20.20	96.00	47.80	82.40	372.00	81.10	8.08	35.70	106.00	46.20
ST05b-Sed01	Sediment	2	126.00	5.38	15.50	80.20	33.00	57.90	334.00	78.60	5.22	25.10	69.00	27.60
ST07a-Sed01	Sediment	2	24.50	1.11	3.17	16.60	6.75	12.20	72.00	14.20	1.01	5.63	14.20	5.35
ST08a-Sed01	Sediment	2	84.80	3.49	9.97	52.40	20.90	37.20	227.00	46.30	3.23	18.20	40.00	14.80
ST14a-Sed01	Sediment	2	80.10	3.62	11.00	51.80	21.90	41.90	209.00	45.40	3.48	16.00	52.10	19.70
ST15a-Sed01	Sediment	2	26.90	1.30	3.20	18.30	6.98	11.90	82.30	15.00	1.35	6.73	16.30	6.57
ST16a-Sed01	Sediment	2	2.60	0.67	0.37	1.76	0.93	1.50	7.67	1.61	0.66	0.58	1.74	0.73
ST17a-Sed01	Sediment	2	101.00	4.33	15.70	66.80	30.50	55.70	291.00	60.40	5.67	24.30	68.20	27.20
ST18a-Sed01	Sediment	2	260.00	10.80	41.00	152.00	66.60	139.00	661.00	143.00	7.24	49.20	139.00	54.70
ST21a-Sed01	Sediment	2	57.90	2.41	7.23	38.80	16.50	28.60	155.00	35.80	2.31	10.70	32.30	12.60
ST22a-Sed01	Sediment	2	7.48	0.67	0.98	5.61	2.48	3.70	22.70	4.18	0.66	1.60	6.59	2.35
LW3-W3030-NB-C	surface water fro	3	1.49	0.02	0.22	0.80	0.21	0.58	3.34	1.27	0.01	0.10	0.27	0.10
LW3-W3030-NB-F	surface water fro	3	4.44	0.19	0.55	2.59	0.98	1.68	9.80	3.20	0.17	0.88	2.51	1.09
LW3-W3030-NS-C	surface water fro	3	1.02	0.02	0.19	0.68	0.21	0.56	2.27	0.94	0.03	0.19	0.52	0.19
LW3-W3030-NS-F	surface water fro	3	3.28	0.03	0.52	2.05	0.89	1.61	8.61	0.33	0.02	0.63	2.43	0.89
LW3-STW-CW10-OF16	stormwater	3	1440.00	70.30	176.00	837.00	259.00	563.00	3370.00	821.00	66.70	279.00	597.00	221.00
LW3-STW-CW20-OF16	stormwater	3	3110.00	159.00	387.00	1690.00	602.00	1360.00	7160.00	1670.00	113.00	543.00	1430.00	590.00
LW3-STW-CW30-OF16	stormwater	3	835.00	41.40	106.00	466.00	171.00	327.00	1980.00	489.00	34.80	172.00	389.00	23.23

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
LW3-STW-CW10-OFM1	stormwater	3	59.70	1.36	2.24	29.30	3.03	4.41	126.00	32.10	1.13	2.99	30.70	2.65
LW3-STW-CW10-OFM2	stormwater	3	312.00	3.93	32.60	159.00	70.80	128.00	761.00	183.00	9.19	51.60	281.00	90.40
LW3-STW-CW20-OFM1	stormwater	3	115.00	1.10	1.93	62.10	25.30	52.80	212.00	69.30	1.13	2.60	46.90	3.82
LW3-STW-CW20-OFM1D	stormwater	3	1690.00	122.00	349.00	1050.00	395.00	994.00	2850.00	1220.00	36.10	237.00	138.00	76.40
LW3-STW-CW20-OFM2	stormwater	3	37.10	3.93	10.18	10.50	11.62	10.47	79.20	10.65	1.13	11.76	10.59	11.39
LW3-STW-CW30-OFM1	stormwater	3	175.00	3.79	6.13	112.00	33.70	68.40	414.00	97.60	1.13	35.00	104.00	41.90
LW3-STW-CW30-OFM1D	stormwater	3	178.00	1.75	3.31	92.70	36.50	69.50	418.00	22.97	1.23	36.50	115.00	46.00
LW3-STW-CW30-OFM2	stormwater	3	70.30	10.16	6.13	39.50	7.47	10.99	169.00	43.10	1.32	7.49	37.20	6.78
LW3-STW-CW40-OFM2	stormwater	3	33.03	5.69	8.38	71.50	29.90	50.10	301.00	66.20	6.95	9.91	81.50	32.00
LW3-STW-CW40-OFM2-2	stormwater	3	109.00	12.29	14.65	15.85	27.10	46.30	254.00	15.84	1.13	16.17	62.10	10.73
AI_1	Sediment	2	6.86	0.08	0.89	0.96	2.42	3.37	11.90	4.11	1.11	0.31	3.50	1.47
AI_11_C	Sediment	2	0.97	0.08	0.15	0.90	0.33	0.47	2.13	0.83	1.11	0.28	0.66	0.40
AI_13_C	Sediment	2	8.51	0.08	0.18	7.08	0.33	4.21	14.20	5.88	1.11	1.62	0.78	0.44
AI_20_C_GS	Sediment	2	8.73	0.58	1.58	8.04	3.09	4.54	16.60	6.93	1.11	1.86	4.48	2.05
AI_5_C	Sediment	2	7.18	0.08	1.12	6.44	2.38	3.52	12.50	5.55	1.11	1.30	3.56	0.35
CPS_0	Sediment	2	152.00	0.10	22.70	122.00	50.60	70.50	221.00	107.00	1.11	28.50	74.20	36.60
CPS_1	Sediment	2	46.00	2.64	7.50	38.10	18.70	24.40	78.30	36.00	1.11	8.46	29.00	11.60
CPS_3	Sediment	2	36.70	2.23	0.21	31.00	13.10	20.00	60.10	27.40	1.11	6.52	21.30	8.71
CPS_4	Sediment	2	22.40	0.10	3.62	21.20	10.60	13.00	40.60	19.50	1.11	4.82	15.10	5.90
CS-Control	Invertebrate Tiss	1	18.15	32.70	6.11	34.16	20.11	22.00	15.57	18.43	25.00	8.15	27.09	13.97
FLO-Sed	Sediment	2	79.40	5.66	24.97	48.70	23.30	37.10	152.00	89.47	27.30	18.88	52.90	17.50
FLO-Sed-Dupe	Sediment	2	71.50	7.34	24.97	44.90	20.30	29.90	142.00	50.30	27.30	13.50	43.30	15.22
HC_1	Sediment	2	11.80	0.60	1.86	11.30	4.96	6.40	21.90	9.92	1.11	2.43	6.86	2.88
HC_2	Sediment	2	20.30	0.10	3.37	18.90	9.90	12.00	43.50	13.20	1.11	3.90	15.70	4.63
HC_3	Sediment	2	18.60	1.30	2.72	15.40	6.66	9.36	32.40	12.20	1.11	3.63	1.03	4.47
HC_6	Sediment	2	34.70	2.24	5.08	29.30	14.30	19.10	53.90	23.70	1.11	5.96	18.00	8.19
LMCS-A	Sediment	2	526.00	25.90	78.90	316.00	130.00	261.00	931.00	357.00	27.30	77.60	190.00	79.00
LMCS-B	Sediment	2	420.00	24.10	61.10	260.00	108.00	209.00	769.00	283.00	27.30	62.00	176.00	69.10
LMCS-C	Sediment	2	493.00	23.60	73.90	291.00	114.00	236.00	858.00	334.00	27.30	76.30	170.00	66.40
LMCS-Invert	Invertebrate Tiss	1	378.00	32.70	53.30	255.00	89.00	171.00	329.00	284.00	25.00	50.30	88.70	43.40
LMCS-Invert-Time zero	Invertebrate Tiss	1	44.20	32.70	6.11	72.40	41.40	47.60	42.80	43.70	25.00	15.40	27.09	11.17
LMCS-Sed	Sediment	2	630.00	9.00	94.70	375.00	152.00	309.00	1140.00	427.00	27.30	94.20	226.00	100.00
LS-A	Sediment	2	577.00	27.20	88.10	319.00	130.00	290.00	1040.00	378.00	28.80	88.40	285.00	111.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
LS-B	Sediment	2	516.00	27.70	84.40	283.00	126.00	274.00	964.00	361.00	23.30	85.10	284.00	111.00
LS-C	Sediment	2	547.00	28.60	83.10	353.00	132.00	260.00	1490.00	406.00	39.80	146.00	452.00	168.00
LW2-C015-B	sediment	2	1410.00	120.00	343.00	1470.00	572.00	1210.00	5290.00	1450.00	97.00	492.00	1160.00	476.00
LW2-C019-C1	sediment	2	2010.00	127.00	353.00	1400.00	551.00	1190.00	5260.00	1450.00	102.00	490.00	1140.00	451.00
LW2-C019-D1	sediment	2	705.00	38.00	115.00	525.00	312.00	496.00	1450.00	392.00	41.40	156.00	355.00	117.00
LW2-C020-B	sediment	2	2470.00	147.00	451.00	1790.00	764.00	1590.00	6290.00	1740.00	102.00	556.00	1270.00	556.00
LW2-C022-B	sediment	2	268.00	14.50	40.20	181.00	79.40	154.00	622.00	161.00	9.11	51.40	146.00	62.40
LW2-C022-C	sediment	2	389.00	30.20	85.30	421.00	153.00	323.00	1480.00	375.00	22.30	125.00	340.00	158.00
LW2-C034-B	sediment	2	94.80	1.64	14.10	55.20	20.40	41.80	187.00	50.50	3.82	17.50	36.40	13.40
LW2-C277-B	sediment	2	2300.00	123.00	351.00	1690.00	648.00	1260.00	5130.00	1320.00	70.20	413.00	1130.00	572.00
LW2-C277-D	sediment	2	5410.00	240.00	779.00	3330.00	1250.00	2700.00	10900.00	3020.00	156.00	877.00	2230.00	1040.00
LW2-C282-A	sediment	2	142.00	1.64	18.50	84.10	36.90	71.20	332.00	80.20	4.79	27.50	80.90	41.30
LW2-C290-B	sediment	2	293.00	14.40	42.70	167.00	65.70	139.00	620.00	169.00	8.75	51.50	138.00	52.60
LW2-C291-A	sediment	2	931.00	37.20	118.00	521.00	194.00	421.00	2040.00	513.00	30.40	169.00	444.00	181.00
LW2-C291-B	sediment	2	745.00	31.20	95.00	454.00	166.00	344.00	1570.00	381.00	22.30	128.00	383.00	185.00
LW2-C291-C	sediment	2	33600.00	1320.00	3730.00	20000.00	5520.00	11600.00	80000.00	18200.00	1150.00	7090.00	15000.00	8760.00
LW2-C293-C	sediment	2	10100.00	419.00	1420.00	5840.00	1980.00	4410.00	21800.00	5530.00	283.00	1720.00	4640.00	2080.00
LW2-C303-B	sediment	2	1110.00	50.80	160.00	674.00	247.00	541.00	2250.00	610.00	34.40	183.00	490.00	204.00
LW2-C384-B	sediment	2	#######	7070.00	18500.00	71200.00	22400.00	50100.00	#######	76100.00	6050.00	25100.00	39900.00	16500.00
LW2-C384-BD	sediment	2	91400.00	4710.00	15500.00	59600.00	22300.00	52100.00	#######	58400.00	2580.00	19900.00	44900.00	23400.00
LW2-C384-C	sediment	2	856.00	48.50	134.00	480.00	182.00	398.00	1870.00	552.00	34.30	235.00	408.00	167.00
LW2-C393-B	sediment	2	3560.00	200.00	569.00	2320.00	934.00	1930.00	8080.00	2270.00	137.00	721.00	1820.00	786.00
LW2-C425-B1	sediment	2	1070.00	52.10	137.00	646.00	245.00	480.00	2420.00	597.00	36.50	193.00	636.00	265.00
LW2-C425-C1	sediment	2	1390.00	65.20	186.00	789.00	323.00	669.00	2840.00	762.00	38.50	231.00	648.00	279.00
LW2-C425-E1	sediment	2	1640.00	78.90	220.00	956.00	354.00	766.00	3490.00	904.00	47.40	287.00	821.00	398.00
LW2-C430-A	sediment	2	2750.00	129.00	363.00	1830.00	607.00	1300.00	6460.00	1500.00	105.00	534.00	1440.00	730.00
LW2-C430-B	sediment	2	1980.00	80.00	266.00	1230.00	489.00	1000.00	3940.00	1010.00	57.30	326.00	967.00	465.00
LW2-C430-C	sediment	2	3610.00	156.00	493.00	2730.00	1260.00	2270.00	7680.00	1910.00	116.00	617.00	2230.00	1120.00
LW2-C430-E	sediment	2	6180.00	272.00	896.00	4080.00	1420.00	3230.00	14200.00	3610.00	193.00	1150.00	3320.00	1820.00
LW2-C524-A	sediment	2	906.00	37.50	115.00	512.00	176.00	398.00	1890.00	479.00	28.40	158.00	348.00	163.00
LW2-G006	sediment	2	214.00	10.60	29.20	136.00	53.10	106.00	512.00	129.00	9.54	46.50	126.00	56.60
LW2-G008	sediment	2	200.00	9.05	25.60	120.00	48.50	93.40	439.00	111.00	6.69	39.00	105.00	41.70
LW2-G022	sediment	2	222.00	10.40	29.60	130.00	50.00	103.00	491.00	120.00	7.86	43.40	113.00	46.70

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
LW2-G030	sediment	2	330.00	15.60	41.50	193.00	73.50	148.00	718.00	179.00	10.80	62.90	173.00	68.10
LW2-G260	sediment	2	52.40	1.64	7.52	29.20	11.00	24.60	110.00	30.10	1.79	9.32	26.00	10.80
LW2-G268	sediment	2	2110.00	93.20	274.00	1190.00	434.00	1020.00	4240.00	1090.00	54.50	348.00	835.00	371.00
LW2-G282	sediment	2	76700.00	2450.00	8820.00	43600.00	14800.00	31200.00	#######	38500.00	2390.00	14100.00	35500.00	18500.00
LW2-G282D	sediment	2	67800.00	2060.00	6890.00	37900.00	12800.00	24600.00	#######	32300.00	2010.00	12100.00	30500.00	17000.00
LW2-G295	sediment	2	2590.00	128.00	384.00	1750.00	706.00	1460.00	6720.00	1660.00	98.10	541.00	1480.00	635.00
LW2-G295D	sediment	2	2880.00	143.00	420.00	1960.00	799.00	1630.00	7770.00	1850.00	119.00	636.00	1890.00	810.00
LW2-G296	sediment	2	4770.00	259.00	771.00	3340.00	1310.00	2850.00	13300.00	3350.00	194.00	1110.00	2940.00	1290.00
LW2-G297	sediment	2	1120.00	50.90	148.00	634.00	251.00	535.00	2260.00	603.00	34.20	189.00	490.00	214.00
LW2-G303	sediment	2	2930.00	144.00	436.00	2020.00	814.00	1690.00	7770.00	1880.00	116.00	630.00	1780.00	774.00
LW2-G306	sediment	2	108.00	1.64	13.90	59.90	24.70	51.60	221.00	58.30	3.50	18.60	49.50	21.00
LW2-G313	sediment	2	2090.00	135.00	405.00	1730.00	632.00	1450.00	6340.00	1610.00	83.60	474.00	1460.00	652.00
LW2-G393	sediment	2	#######	25700.00	75100.00	#######	93500.00	#######	#######	#######	18200.00	#######	#######	93900.00
LW2-G425	sediment	2	302.00	19.30	44.60	202.00	73.00	146.00	745.00	195.00	11.70	61.30	151.00	62.30
LW2-G481	sediment	2	161.00	10.10	30.60	133.00	52.90	110.00	437.00	122.00	8.39	40.60	77.40	31.10
LW2-G484	sediment	2	220.00	19.50	51.20	209.00	83.50	170.00	824.00	213.00	11.50	71.90	162.00	70.90
LW2-G487	sediment	2	201.00	11.50	28.40	120.00	48.40	110.00	452.00	124.00	6.39	36.80	85.00	38.80
LW2-G502	sediment	2	1230.00	56.90	167.00	657.00	242.00	545.00	2460.00	700.00	34.40	211.00	444.00	205.00
LW2-G505	sediment	2	189.00	7.50	21.70	96.30	37.40	81.70	365.00	96.00	5.12	28.60	76.90	33.70
LW2-G507	sediment	2	1690.00	75.20	229.00	932.00	338.00	785.00	3610.00	1010.00	47.60	305.00	693.00	314.00
LW2-GBT016	sediment	2	#######	6200.00	20900.00	88000.00	30000.00	70100.00	#######	92400.00	4660.00	30100.00	67800.00	30200.00
LW2-T01 SC	tissue	1	1180.00	93.10	95.30	1460.00	656.00	309.00	6820.00	1580.00	110.00	569.00	1370.00	487.00
LW2-T01-NOAA SC	tissue	1	1180.00	40.00	113.00	708.00	325.00	471.00	2720.00	938.00	41.10	244.00	405.00	205.00
LW2-T01-REP1	tissue	1	10400.00	404.00	1070.00	7280.00	2090.00	3030.00	31300.00	8900.00	360.00	2490.00	4700.00	1980.00
LW2-T01-REP2	tissue	1	1290.00	66.10	108.00	1080.00	432.00	367.00	5410.00	1390.00	68.90	393.00	725.00	254.00
LW2-T01-REP3	tissue	1	1170.00	68.80	99.50	961.00	433.00	334.00	5610.00	1440.00	71.10	395.00	792.00	269.00
LW2-T02 SC	tissue	1	703.00	35.40	64.10	483.00	254.00	227.00	2270.00	685.00	36.30	181.00	455.00	153.00
LW2-T02-NOAA SC	tissue	1	453.00	23.40	38.50	364.00	160.00	150.00	1530.00	454.00	21.30	123.00	252.00	105.00
LW2-T02-REP1	tissue	1	1340.00	66.70	106.00	1200.00	407.00	337.00	5530.00	1440.00	66.20	412.00	802.00	292.00
LW2-T02-REP2	tissue	1	1530.00	82.60	110.00	1120.00	430.00	358.00	7140.00	1780.00	72.60	501.00	942.00	339.00
LW2-T02-REP3	tissue	1	1550.00	76.00	133.00	1090.00	463.00	435.00	5600.00	1560.00	67.10	443.00	828.00	308.00
LW2-T03 SC	tissue	1	4600.00	204.00	429.00	3030.00	1170.00	1310.00	15000.00	4410.00	157.00	1110.00	1980.00	821.00
LW2-T03-REP1	tissue	1	7100.00	314.00	564.00	6150.00	1940.00	2100.00	23900.00	6590.00	269.00	1970.00	3410.00	1440.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
LW2-T03-REP2	tissue	1	3580.00	161.00	272.00	3120.00	1190.00	1090.00	12700.00	3350.00	147.00	991.00	1950.00	768.00
LW2-T03-REP3	tissue	1	4180.00	201.00	356.00	3430.00	1290.00	1300.00	15600.00	4050.00	181.00	1180.00	2360.00	916.00
LW2-T04 SC	tissue	1	103.00	6.84	9.60	85.70	44.70	43.00	424.00	114.00	6.74	35.40	78.40	25.60
LW2-T04-REP1	tissue	1	170.00	8.98	14.10	148.00	65.30	51.80	673.00	180.00	8.98	55.60	100.00	36.40
LW2-T04-REP2	tissue	1	266.00	16.20	28.00	249.00	100.00	84.00	1120.00	305.00	15.20	90.20	166.00	61.70
LW2-T04-REP3	tissue	1	172.00	10.90	16.00	160.00	73.60	53.50	825.00	205.00	11.20	63.40	123.00	43.20
LW2-W005 C	surface water fro	3	0.60	0.02	0.03	0.32	0.16	0.31	0.77	0.35	0.01	0.06	0.07	0.04
LW2-W005 F	surface water fro	3	2.38	0.09	0.31	1.43	0.54	1.11	5.00	1.58	0.08	0.46	1.08	0.45
LW2-W011 C	surface water fro	3	1.55	0.06	0.19	0.84	0.36	0.76	2.27	0.87	0.03	0.19	0.32	0.13
LW2-W011 F	surface water fro	3	5.49	0.22	0.73	3.42	1.30	2.63	11.90	3.78	0.18	1.03	2.57	1.12
LW2-W013-1 C	surface water fro	3	5.80	0.19	0.67	3.05	1.30	2.94	8.57	3.16	0.10	0.69	0.93	0.39
LW2-W013-1 F	surface water fro	3	111.00	4.14	14.20	64.00	26.00	50.50	250.00	78.10	4.09	20.70	58.90	24.20
LW2-W013-2 C	surface water fro	3	3.28	0.14	0.46	2.01	0.92	1.98	5.16	2.13	0.06	0.41	0.39	0.19
LW2-W013-2 F	surface water fro	3	83.10	3.05	10.60	47.10	18.70	37.70	182.00	57.00	2.85	15.80	42.50	18.60
LW2-W015 C	surface water fro	3	1.47	0.06	0.19	0.83	0.32	0.66	2.17	0.85	0.03	0.18	0.31	0.13
LW2-W015 F	surface water fro	3	8.90	0.39	1.21	5.12	1.94	4.15	18.30	6.30	0.29	1.66	4.49	1.86
LW2-W016 C	surface water fro	3	0.42	0.02	0.05	0.23	0.10	0.19	0.57	0.24	0.00	0.05	0.06	0.03
LW2-W016 F	surface water fro	3	5.59	0.24	0.74	3.23	1.12	2.13	10.90	3.69	0.18	1.16	1.85	0.96
LW2-W018 C	surface water fro	3	1.07	0.04	0.14	0.61	0.27	0.57	1.68	0.72	0.02	0.15	0.15	0.07
LW2-W018 F	surface water fro	3	7.23	0.30	0.98	4.78	1.69	3.42	17.30	5.27	0.29	1.61	3.52	1.42
LW2-W023 C	surface water fro	3	0.18	0.01	0.02	0.10	0.05	0.10	0.29	0.11	0.00	0.03	0.01	0.02
LW2-W023 F	surface water fro	3	25.80	1.04	3.55	14.60	5.04	10.90	54.60	18.70	0.68	4.80	9.76	4.46
LW2-W2005 C	surface water fro	3	0.83	0.04	0.11	0.48	0.24	0.48	1.32	0.60	0.02	0.12	0.15	0.05
LW2-W2005 F	surface water fro	3	4.84	0.19	0.58	2.91	1.09	2.04	10.50	3.29	0.15	0.92	2.31	0.96
LW2-W2011 C	surface water fro	3	0.81	0.04	0.11	0.48	0.24	0.49	1.44	0.61	0.01	0.11	0.16	0.06
LW2-W2011 F	surface water fro	3	7.46	0.28	0.94	4.43	1.70	3.23	16.10	4.98	0.24	1.43	3.36	1.39
LW2-W2013-1 C	surface water fro	3	9.42	0.37	1.31	4.94	2.52	5.65	14.80	6.20	0.14	1.21	1.00	0.49
LW2-W2013-1 F	surface water fro	3	440.00	13.60	46.40	232.00	86.00	174.00	932.00	282.00	13.30	76.20	221.00	88.20
LW2-W2013-2 C	surface water fro	3	4.28	0.17	0.56	2.34	1.12	2.27	7.14	2.77	0.07	0.58	0.60	0.27
LW2-W2013-2 F	surface water fro	3	54.70	1.95	6.32	31.60	11.90	24.90	125.00	36.30	2.28	10.60	36.40	15.90
LW2-W2015 C	surface water fro	3	0.82	0.04	0.12	0.57	0.26	0.48	1.47	0.62	0.02	0.15	0.16	0.07
LW2-W2015 F	surface water fro	3	6.13	0.26	0.76	3.57	1.36	2.53	13.20	4.17	0.20	1.16	2.90	1.30
LW2-W2016 C	surface water fro	3	0.63	0.04	0.10	0.37	0.20	0.36	1.08	0.47	0.01	0.09	0.11	0.05

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
LW2-W2016 F	surface water fro	3	3.69	0.15	0.48	2.18	0.87	1.65	7.59	2.53	0.12	0.70	1.79	0.80
LW2-W2018 C	surface water fro	3	3.45	0.17	0.50	2.02	0.98	1.96	5.75	2.53	0.06	0.48	0.43	0.18
LW2-W2018 F	surface water fro	3	27.70	1.10	3.74	17.60	6.04	12.70	59.70	19.30	1.05	5.21	13.80	5.70
LW2-W2023 C	surface water fro	3	0.24	0.01	0.04	0.17	0.08	0.15	0.50	0.20	0.00	0.04	0.02	0.03
LW2-W2023 F	surface water fro	3	1.29	0.06	0.17	0.82	0.33	0.61	2.74	0.88	0.04	0.24	0.64	0.25
LW2-W3005 C	surface water fro	3	1.44	0.06	0.22	0.80	0.37	0.79	2.24	0.89	0.02	0.19	0.24	0.10
LW2-W3005 F	surface water fro	3	6.40	0.26	0.70	3.70	1.41	2.25	15.60	4.32	0.21	1.14	2.93	1.18
LW2-W3011 C	surface water fro	3	1.53	0.03	0.21	0.78	0.40	0.85	2.17	0.97	0.02	0.19	0.22	0.11
LW2-W3011 F	surface water fro	3	6.18	0.25	0.65	3.56	1.35	2.26	14.00	4.12	0.18	1.08	2.62	1.14
LW2-W3013-1 C	surface water fro	3	17.30	0.67	2.20	9.02	4.12	8.67	27.30	10.60	0.27	2.32	2.24	1.23
LW2-W3013-1 F	surface water fro	3	255.00	10.80	35.30	144.00	64.20	113.00	486.00	185.00	8.08	55.10	120.00	46.40
LW2-W3013-2 C	surface water fro	3	24.50	0.92	3.11	12.70	5.88	12.50	37.00	14.80	0.35	3.11	2.83	1.48
LW2-W3015 C	surface water fro	3	1.95	0.03	0.31	1.06	0.51	1.06	2.69	1.28	0.01	0.22	0.19	0.04
LW2-W3015 F	surface water fro	3	7.06	0.38	1.01	4.13	1.92	3.38	17.30	5.43	0.22	1.47	2.96	1.18
LW2-W3016 C	surface water fro	3	1.77	0.09	0.26	0.98	0.51	0.91	2.63	1.17	0.01	0.23	0.22	0.14
LW2-W3016 F	surface water fro	3	8.76	0.49	1.29	5.32	2.36	3.77	16.40	7.10	0.05	2.21	4.00	1.94
LW2-W3018 C	surface water fro	3	3.07	0.13	0.44	1.75	0.79	1.62	4.69	2.00	0.05	0.41	0.14	0.20
LW2-W3018 F	surface water fro	3	9.44	0.45	1.43	5.73	2.45	4.13	22.10	7.09	0.32	2.09	3.91	1.60
LW2-W3023 C	surface water fro	3	0.88	0.04	0.13	0.50	0.25	0.45	1.42	0.56	0.01	0.05	0.16	0.07
LW2-W3023 F	surface water fro	3	3.14	0.13	0.32	1.93	0.83	1.21	6.81	2.08	0.09	0.52	1.45	0.60
LW3-C600-B	sediment	2	870.00	37.40	115.00	528.00	192.00	409.00	1760.00	436.00	29.50	144.00	524.00	215.00
LW3-C600-C	sediment	2	1470.00	75.00	202.00	895.00	364.00	743.00	3010.00	811.00	52.20	255.00	753.00	308.00
LW3-C600-D	sediment	2	62.70	1.84	10.70	37.70	21.90	36.80	142.00	40.70	2.81	12.70	35.90	12.90
LW3-C601-B1	sediment	2	1670.00	74.40	228.00	939.00	360.00	803.00	3210.00	863.00	44.30	258.00	770.00	331.00
LW3-C601-B2	sediment	2	1150.00	49.40	162.00	682.00	248.00	554.00	2320.00	602.00	32.40	186.00	593.00	256.00
LW3-C602-B	sediment	2	364.00	14.70	46.00	218.00	88.80	172.00	719.00	177.00	10.60	57.50	172.00	71.10
LW3-C602-C	sediment	2	1240.00	58.00	163.00	696.00	276.00	600.00	2550.00	656.00	37.60	195.00	577.00	241.00
LW3-C602-D	sediment	2	2280.00	89.80	300.00	1300.00	470.00	1030.00	4420.00	1120.00	59.90	339.00	1010.00	446.00
LW3-C604-B	sediment	2	446.00	19.40	55.00	273.00	103.00	213.00	994.00	238.00	15.90	82.50	272.00	120.00
LW3-C604-C	sediment	2	879.00	36.60	118.00	494.00	197.00	422.00	1800.00	462.00	27.20	139.00	414.00	166.00
LW3-C604-D	sediment	2	2710.00	106.00	736.00	4840.00	2660.00	2840.00	4950.00	1170.00	89.10	380.00	3070.00	1240.00
LW3-C605-B	sediment	2	302.00	12.70	38.60	175.00	63.70	141.00	612.00	151.00	10.10	52.50	146.00	60.80
LW3-C605-C	sediment	2	382.00	15.00	48.50	225.00	88.50	173.00	751.00	186.00	11.70	59.70	185.00	75.10

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
LW3-C605-D	sediment	2	2040.00	89.90	274.00	1160.00	427.00	940.00	4030.00	1050.00	56.80	314.00	908.00	444.00
LW3-C606-B	sediment	2	142.00	6.94	21.00	81.40	38.90	81.90	299.00	83.20	4.51	25.80	73.50	30.90
LW3-C606-C	sediment	2	519.00	20.90	71.70	319.00	124.00	270.00	1020.00	267.00	14.50	86.00	252.00	109.00
LW3-C608-B	sediment	2	1170.00	50.30	152.00	683.00	260.00	555.00	2360.00	578.00	35.90	190.00	584.00	242.00
LW3-C608-BD	sediment	2	1120.00	50.10	152.00	666.00	259.00	542.00	2280.00	586.00	34.20	185.00	547.00	228.00
LW3-C609-B	sediment	2	2090.00	83.70	313.00	1430.00	652.00	1140.00	4050.00	1110.00	52.80	302.00	894.00	385.00
LW3-C609-C	sediment	2	4760.00	216.00	690.00	3110.00	1140.00	2010.00	12500.00	2990.00	191.00	996.00	4330.00	2060.00
LW3-C609-D	sediment	2	44.80	1.84	7.80	28.30	12.40	25.40	104.00	33.40	1.57	7.44	27.90	10.60
LW3-C664-B	sediment	2	5150.00	269.00	750.00	2980.00	1180.00	2600.00	10500.00	2880.00	143.00	840.00	2250.00	954.00
LW3-C664-C	sediment	2	121.00	7.07	20.90	80.00	37.10	71.10	239.00	68.90	3.33	19.80	57.00	24.40
LW3-C665-B	sediment	2	1950.00	94.20	299.00	1180.00	492.00	1040.00	3890.00	1090.00	53.40	315.00	1020.00	418.00
LW3-C665-C	sediment	2	3410.00	158.00	486.00	2040.00	810.00	1720.00	6710.00	1820.00	99.30	535.00	1420.00	579.00
LW3-C665-D	sediment	2	541.00	27.60	78.00	299.00	118.00	273.00	1140.00	314.00	14.90	82.70	265.00	126.00
LW3-C676-B	sediment	2	2340.00	96.40	300.00	1410.00	544.00	1190.00	4610.00	1160.00	59.60	361.00	1130.00	466.00
LW3-C678-B	sediment	2	1810.00	88.90	248.00	1050.00	413.00	876.00	3560.00	949.00	52.00	287.00	871.00	373.00
LW3-C678-C	sediment	2	5560.00	237.00	857.00	3890.00	1620.00	2960.00	12300.00	3190.00	191.00	1000.00	4220.00	1920.00
LW3-C678-D	sediment	2	1290.00	58.40	193.00	710.00	255.00	611.00	2930.00	822.00	38.20	228.00	640.00	270.00
LW3-C679-B	sediment	2	688.00	34.50	94.70	393.00	161.00	322.00	1390.00	371.00	21.00	114.00	321.00	187.00
LW3-C679-C	sediment	2	1790.00	97.20	263.00	1020.00	412.00	873.00	3490.00	1020.00	52.50	295.00	827.00	425.00
LW3-C679-D	sediment	2	4250.00	227.00	582.00	2280.00	914.00	1970.00	8510.00	2310.00	111.00	699.00	1860.00	1050.00
LW3-C686-B	sediment	2	564.00	26.10	82.00	381.00	158.00	299.00	1130.00	306.00	16.60	96.10	268.00	127.00
LW3-C686-C	sediment	2	59.10	3.99	8.54	32.40	14.20	31.20	112.00	33.50	1.75	10.30	23.00	9.62
LW3-C688-B	sediment	2	248.00	10.40	30.90	149.00	56.60	117.00	516.00	127.00	7.80	44.00	127.00	52.50
LW3-C688-C	sediment	2	1170.00	47.20	153.00	650.00	238.00	529.00	2270.00	587.00	36.50	194.00	534.00	224.00
LW3-C688-D	sediment	2	3190.00	130.00	410.00	1730.00	585.00	1390.00	6340.00	1600.00	86.00	538.00	1360.00	627.00
LW3-C688-F	sediment	2	1310.00	56.50	172.00	672.00	254.00	619.00	2770.00	767.00	36.10	204.00	760.00	293.00
LW3-C690-B	sediment	2	343.00	14.80	40.50	191.00	70.50	150.00	693.00	169.00	9.71	56.70	171.00	68.90
LW3-C690-C	sediment	2	916.00	46.90	120.00	507.00	198.00	421.00	1870.00	492.00	26.30	146.00	427.00	190.00
LW3-C690-D	sediment	2	2970.00	127.00	383.00	1570.00	559.00	1290.00	5770.00	1530.00	76.80	466.00	1300.00	658.00
LW3-C690-E	sediment	2	5180.00	236.00	724.00	2740.00	1020.00	2460.00	10900.00	2930.00	148.00	865.00	2390.00	1080.00
LW3-C702-B	sediment	2	2790.00	134.00	435.00	1680.00	673.00	1430.00	5760.00	1680.00	90.00	485.00	1230.00	580.00
LW3-C702-C	sediment	2	4430.00	235.00	653.00	2750.00	1080.00	2160.00	9020.00	2470.00	143.00	729.00	1960.00	913.00
LW3-C702-D	sediment	2	848.00	37.60	118.00	524.00	186.00	402.00	1710.00	464.00	26.50	138.00	373.00	175.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
LW3-C703-B	sediment	2	3310.00	140.00	477.00	2120.00	892.00	1730.00	6760.00	1820.00	92.90	529.00	1430.00	626.00
LW3-C703-C	sediment	2	2340.00	107.00	387.00	1700.00	764.00	1370.00	4730.00	1280.00	64.40	371.00	978.00	443.00
LW3-C708-B	sediment	2	76500.00	4060.00	12300.00	44200.00	16900.00	38300.00	#######	45800.00	2650.00	13900.00	28600.00	11600.00
LW3-C708-BD	sediment	2	#######	6460.00	17000.00	64700.00	23700.00	52000.00	#######	66000.00	3780.00	18300.00	37100.00	15100.00
LW3-C708-C	sediment	2	45100.00	2330.00	6570.00	24800.00	8410.00	19100.00	93800.00	27100.00	1920.00	8980.00	18400.00	7290.00
LW3-C708-D	sediment	2	1850.00	83.30	276.00	1160.00	444.00	950.00	3710.00	1070.00	64.00	312.00	623.00	312.00
LW3-C712-B	sediment	2	876.00	44.50	125.00	455.00	219.00	474.00	1900.00	534.00	21.30	120.00	591.00	224.00
LW3-C712-C	sediment	2	89.60	7.10	12.90	43.00	37.20	57.20	226.00	66.10	2.61	12.00	138.00	40.40
LW3-C721-B	sediment	2	356.00	17.00	50.70	198.00	83.40	176.00	736.00	202.00	10.40	60.60	173.00	66.10
LW3-C721-C	sediment	2	1690.00	79.50	249.00	1030.00	448.00	942.00	3490.00	923.00	47.30	268.00	801.00	334.00
LW3-C721-D	sediment	2	2050.00	104.00	295.00	1190.00	479.00	1030.00	4430.00	1220.00	58.30	335.00	1010.00	438.00
LW3-C721-E	sediment	2	104.00	5.21	14.70	51.40	30.60	56.30	234.00	64.70	3.19	15.50	84.60	22.80
LW3-C724-B	sediment	2	971.00	46.60	134.00	539.00	204.00	459.00	2020.00	525.00	30.30	162.00	448.00	179.00
LW3-C738-B	sediment	2	11600.00	492.00	1670.00	6950.00	2870.00	6100.00	25000.00	6730.00	364.00	2090.00	5920.00	2760.00
LW3-C738-C	sediment	2	5790.00	285.00	822.00	3250.00	1250.00	2870.00	11800.00	3260.00	149.00	936.00	2490.00	1110.00
LW3-C738-D	sediment	2	38.80	6.85	7.75	27.70	15.20	26.60	78.50	28.00	1.02	6.12	16.70	6.63
LW3-C738-F	sediment	2	4390.00	237.00	658.00	2500.00	914.00	2110.00	9430.00	2700.00	127.00	709.00	2040.00	928.00
LW3-C739-B	sediment	2	1660.00	72.00	242.00	1060.00	454.00	938.00	3310.00	874.00	42.40	257.00	755.00	323.00
LW3-C739-C	sediment	2	1600.00	64.50	230.00	1150.00	472.00	905.00	3250.00	798.00	41.30	248.00	826.00	353.00
LW3-C739-CD	sediment	2	1560.00	57.00	209.00	985.00	400.00	838.00	3020.00	757.00	40.10	234.00	699.00	295.00
LW3-C739-D	sediment	2	1940.00	83.00	256.00	1160.00	462.00	952.00	3620.00	929.00	46.80	282.00	840.00	363.00
LW3-C739-E	sediment	2	15100.00	654.00	2430.00	12100.00	5610.00	10800.00	28400.00	7440.00	338.00	2140.00	7070.00	3150.00
LW3-C747-B	sediment	2	1670.00	66.40	245.00	1180.00	509.00	1010.00	2850.00	762.00	35.70	220.00	618.00	277.00
LW3-C747-C	sediment	2	2250.00	89.70	300.00	1380.00	559.00	1130.00	4310.00	1090.00	58.80	346.00	1000.00	422.00
LW3-C747-E	sediment	2	296.00	14.80	46.10	195.00	124.00	211.00	629.00	164.00	9.20	53.00	167.00	68.80
LW3-C752-B	sediment	2	6460.00	267.00	846.00	3550.00	1210.00	2800.00	12900.00	3310.00	203.00	1040.00	2770.00	1120.00
LW3-C752-C	sediment	2	8250.00	444.00	1170.00	5340.00	2370.00	4780.00	16800.00	4490.00	228.00	1260.00	4870.00	1830.00
LW3-C752-D	sediment	2	3070.00	149.00	434.00	1810.00	794.00	1700.00	6520.00	1750.00	76.30	450.00	1750.00	803.00
LW3-C777-B	sediment	2	16.90	3.99	4.61	14.50	8.74	11.50	70.40	14.40	1.79	8.56	50.30	20.70
LW3-C779-B	sediment	2	1200.00	50.30	181.00	1190.00	580.00	1010.00	2460.00	624.00	34.90	220.00	655.00	283.00
LW3-CA01E-C00D	tissue	1	195.00	38.20	135.00	560.00	265.00	468.00	1540.00	669.00	5.53	161.00	24.70	77.50
LW3-CA01E-C01	tissue	1	212.00	43.60	152.00	685.00	343.00	557.00	1840.00	860.00	7.49	223.00	31.20	107.00
LW3-CA01E-C02	tissue	1	199.00	40.40	139.00	632.00	293.00	482.00	1880.00	751.00	5.91	230.00	29.00	91.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
LW3-CA02W-C00	tissue	1	183.00	36.10	129.00	546.00	290.00	460.00	1380.00	681.00	6.00	171.00	25.10	90.30
LW3-CA02W-C00D	tissue	1	167.00	37.00	140.00	618.00	313.00	515.00	1730.00	686.00	5.06	168.00	24.30	83.20
LW3-CA03W-C00	tissue	1	286.00	56.70	213.00	909.00	418.00	757.00	1790.00	1010.00	9.40	220.00	40.20	135.00
LW3-CA04W-C00	tissue	1	284.00	50.80	169.00	697.00	375.00	589.00	1800.00	791.00	7.74	224.00	43.80	110.00
LW3-CA05E-C00	tissue	1	374.00	64.60	214.00	936.00	468.00	757.00	2500.00	1220.00	11.00	288.00	47.90	141.00
LW3-CA05W-C00	tissue	1	274.00	54.50	177.00	768.00	406.00	600.00	2110.00	855.00	8.10	241.00	40.50	112.00
LW3-CA10W-C00	tissue	1	256.00	49.30	169.00	686.00	351.00	587.00	1980.00	844.00	7.86	220.00	37.60	118.00
LW3-CA10W-C00D	tissue	1	378.00	77.90	247.00	1110.00	538.00	964.00	2860.00	1270.00	12.40	306.00	73.50	189.00
LW3-CA11E-C00	tissue	1	5140.00	1290.00	3880.00	15400.00	7810.00	12600.00	34700.00	21100.00	180.00	6420.00	669.00	3670.00
LW3-CA11E-C00D	tissue	1	2580.00	600.00	1940.00	8050.00	4240.00	6360.00	17000.00	9750.00	81.90	2220.00	391.00	1480.00
LW3-CA12E-C00	tissue	1	1440.00	151.00	516.00	2200.00	966.00	1700.00	6070.00	2590.00	39.30	821.00	429.00	462.00
LW3-CA12E-C00D	tissue	1	515.00	89.60	299.00	1210.00	603.00	1010.00	3390.00	1510.00	12.70	466.00	53.20	205.00
LW3-CA12W-C00	tissue	1	119.00	23.10	69.80	311.00	170.00	249.00	802.00	410.00	3.99	97.30	20.60	56.10
LW3-CP0004-C10B	tissue	1	3550.00	257.00	657.00	3940.00	1730.00	2160.00	16700.00	4970.00	225.00	1490.00	2970.00	1280.00
LW3-CP0004-C10F	tissue	1	2350.00	171.00	395.00	2580.00	1070.00	1390.00	9570.00	3310.00	151.00	891.00	1640.00	740.00
LW3-CP0004-C20B	tissue	1	4940.00	337.00	846.00	5560.00	2160.00	2770.00	22100.00	6820.00	277.00	1650.00	3220.00	1380.00
LW3-CP0004-C20F	tissue	1	3180.00	212.00	543.00	3330.00	1340.00	1860.00	12400.00	4140.00	202.00	1250.00	2210.00	974.00
LW3-CP0004-C30B	tissue	1	8260.00	440.00	1140.00	7050.00	2550.00	3630.00	29200.00	9120.00	360.00	2260.00	5360.00	2080.00
LW3-CP0004-C30F	tissue	1	4800.00	256.00	639.00	4110.00	1490.00	2120.00	18500.00	5210.00	244.00	1340.00	3190.00	1290.00
LW3-CP0408-C10B	tissue	1	4890.00	364.00	756.00	5810.00	2350.00	2500.00	23300.00	7430.00	304.00	2090.00	4120.00	1810.00
LW3-CP0408-C10F	tissue	1	3340.00	267.00	531.00	4100.00	1710.00	1700.00	15800.00	4990.00	217.00	1280.00	2650.00	1120.00
LW3-CP0408-C20B	tissue	1	15000.00	909.00	2170.00	12100.00	5080.00	6840.00	51600.00	17400.00	545.00	3510.00	5740.00	2190.00
LW3-CP0408-C20F	tissue	1	9230.00	551.00	1450.00	7840.00	3110.00	4420.00	32500.00	10200.00	463.00	2490.00	5310.00	2350.00
LW3-CP0408-C30B	tissue	1	#######	38000.00	86600.00	#######	#######	#######	#######	#######	36800.00	#######	#######	#######
LW3-CP0408-C30BD	tissue	1	#######	43000.00	96200.00	#######	#######	#######	#######	#######	40400.00	#######	#######	#######
LW3-CP0408-C30F	tissue	1	#######	25700.00	65300.00	#######	#######	#######	#######	#######	22700.00	#######	#######	#######
LW3-CP0812-C11B	tissue	1	16000.00	949.00	2270.00	11900.00	5360.00	7160.00	54900.00	17500.00	606.00	4790.00	7700.00	3150.00
LW3-CP0812-C11F	tissue	1	9610.00	496.00	1370.00	6580.00	2870.00	4460.00	33900.00	9900.00	421.00	2830.00	6580.00	3030.00
LW3-CP0812-C12B	tissue	1	17400.00	1030.00	2530.00	12800.00	5790.00	7910.00	54900.00	19100.00	620.00	3910.00	7520.00	2940.00
LW3-CP0812-C12F	tissue	1	9500.00	536.00	1350.00	7800.00	2990.00	4060.00	36800.00	10100.00	451.00	2540.00	5910.00	2350.00
LW3-CP0812-C20B	tissue	1	46200.00	2570.00	6300.00	34800.00	15300.00	18600.00	#######	52000.00	1610.00	10700.00	24200.00	8920.00
LW3-CP0812-C20F	tissue	1	17200.00	1060.00	2710.00	15000.00	5430.00	7370.00	60900.00	22000.00	909.00	4970.00	13200.00	4980.00
LW3-CP0812-C20FD	tissue	1	17800.00	1090.00	2560.00	16200.00	5300.00	7740.00	69600.00	21700.00	935.00	5170.00	13200.00	6000.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
LW3-CP0812-C30B	tissue	1	13700.00	910.00	2130.00	10600.00	5160.00	6370.00	52000.00	17000.00	586.00	2530.00	6850.00	2700.00
LW3-CP0812-C30F	tissue	1	6570.00	408.00	1040.00	6090.00	2140.00	3080.00	29600.00	8630.00	353.00	2010.00	4870.00	2110.00
LW3-CR01E-ALT-C00	tissue	1	44.80	7.14	4.56	91.70	36.60	10.10	780.00	113.00	8.22	38.10	67.40	29.20
LW3-CR01W-C00	tissue	1	37.70	7.11	3.64	82.70	33.90	7.88	947.00	124.00	11.30	35.10	75.30	27.50
LW3-CR05W-C00	tissue	1	30.30	6.56	3.32	78.00	27.10	7.04	824.00	95.20	11.20	35.40	65.40	25.90
LW3-CR06W-C00	tissue	1	86.20	53.00	11.70	247.00	291.00	22.60	9730.00	1500.00	127.00	391.00	1620.00	635.00
LW3-CR08W-C00	tissue	1	133.00	32.40	10.70	394.00	161.00	30.80	4730.00	569.00	58.20	206.00	508.00	199.00
LW3-CR10W-C00	tissue	1	115.00	42.90	15.10	344.00	130.00	28.30	11600.00	699.00	152.00	224.00	766.00	259.00
LW3-CR10W-C00D	tissue	1	112.00	42.90	14.10	347.00	128.00	27.30	11200.00	683.00	142.00	221.00	726.00	247.00
LW3-CR11E-C01	tissue	1	6220.00	2450.00	439.00	22500.00	7870.00	1240.00	#######	40000.00	3320.00	13300.00	35300.00	14800.00
LW3-CR11E-C02	tissue	1	6170.00	2480.00	436.00	21900.00	8200.00	1210.00	#######	40400.00	3090.00	13000.00	34600.00	14500.00
LW3-CR12E-C00	tissue	1	74.00	22.50	6.21	204.00	74.70	14.40	4070.00	424.00	43.80	119.00	400.00	140.00
LW3-CR12W-C00	tissue	1	24.10	7.86	2.24	78.70	36.20	6.31	1250.00	140.00	10.70	38.00	144.00	47.30
LW3-G600	sediment	2	345.00	15.20	43.20	199.00	74.40	159.00	728.00	186.00	11.80	70.40	175.00	75.20
LW3-G601	sediment	2	202.00	8.92	27.90	117.00	51.30	102.00	420.00	114.00	6.35	36.80	99.60	46.10
LW3-G602	sediment	2	240.00	9.68	27.60	138.00	48.00	99.30	478.00	119.00	6.80	43.60	114.00	45.90
LW3-G603	sediment	2	189.00	8.91	25.30	112.00	42.30	90.60	412.00	107.00	6.03	36.50	101.00	40.60
LW3-G604	sediment	2	231.00	10.40	28.80	130.00	50.60	107.00	484.00	128.00	7.24	40.60	124.00	47.90
LW3-G605	sediment	2	214.00	9.07	26.30	122.00	48.60	97.40	465.00	112.00	7.25	38.70	114.00	44.70
LW3-G606	sediment	2	139.00	5.67	17.50	78.20	30.80	65.10	292.00	74.40	4.51	24.00	63.80	27.70
LW3-G607	sediment	2	231.00	10.70	28.00	130.00	50.20	107.00	484.00	121.00	7.32	40.50	112.00	44.80
LW3-G608	sediment	2	337.00	15.60	42.20	186.00	72.20	151.00	709.00	178.00	10.80	59.90	185.00	77.60
LW3-G609	sediment	2	2890.00	134.00	392.00	1730.00	636.00	1400.00	6060.00	1570.00	82.50	528.00	1360.00	621.00
LW3-G618	sediment	2	333.00	13.50	40.80	190.00	70.10	147.00	786.00	181.00	14.40	67.00	298.00	95.60
LW3-G618D	sediment	2	291.00	13.40	37.20	163.00	64.30	134.00	610.00	156.00	9.00	49.50	147.00	59.90
LW3-G620	sediment	2	232.00	9.93	31.70	157.00	63.50	115.00	488.00	123.00	7.60	44.90	119.00	48.90
LW3-G624	sediment	2	210.00	8.84	26.20	125.00	47.50	99.10	427.00	113.00	6.67	37.00	103.00	46.00
LW3-G629	sediment	2	2590.00	99.20	345.00	1570.00	562.00	1200.00	4860.00	1250.00	65.80	384.00	1100.00	494.00
LW3-G631	sediment	2	217.00	9.12	25.20	127.00	46.30	101.00	471.00	111.00	7.54	42.60	118.00	52.00
LW3-G633	sediment	2	279.00	11.60	32.20	166.00	60.10	125.00	594.00	139.00	8.92	51.40	149.00	64.90
LW3-G642	sediment	2	41.30	1.86	8.63	25.90	13.10	25.70	123.00	32.80	1.91	10.40	28.30	11.50
LW3-G644	sediment	2	524.00	23.20	68.80	305.00	115.00	241.00	1170.00	297.00	17.50	101.00	284.00	121.00
LW3-G646	sediment	2	31.30	1.29	5.20	17.60	9.27	18.00	75.20	21.90	1.37	6.99	17.50	7.73

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
LW3-G664	sediment	2	4970.00	214.00	637.00	2750.00	1080.00	2280.00	10100.00	2500.00	125.00	769.00	2390.00	1040.00
LW3-G666	sediment	2	236.00	11.80	31.80	125.00	53.70	116.00	470.00	133.00	7.12	38.70	106.00	44.20
LW3-G667	sediment	2	63.20	1.29	9.29	35.80	16.30	31.70	134.00	38.90	2.32	11.50	32.90	12.80
LW3-G668	sediment	2	167.00	8.16	23.90	94.20	43.10	84.70	356.00	97.80	5.20	30.30	95.70	38.80
LW3-G673	sediment	2	177.00	7.88	25.50	103.00	45.90	91.20	372.00	99.20	5.64	31.90	90.30	36.40
LW3-G676	sediment	2	599.00	26.70	84.20	350.00	151.00	313.00	1270.00	344.00	19.30	102.00	326.00	124.00
LW3-G676D	sediment	2	773.00	32.70	104.00	453.00	176.00	370.00	1570.00	408.00	22.20	124.00	359.00	142.00
LW3-G677	sediment	2	34.80	1.29	5.28	17.60	8.80	17.80	74.80	19.50	0.58	6.53	19.50	2.79
LW3-G681	sediment	2	212.00	11.20	32.40	130.00	65.30	123.00	450.00	125.00	6.71	36.60	105.00	42.30
LW3-G682	sediment	2	195.00	9.62	27.30	104.00	45.40	94.40	394.00	108.00	6.12	31.60	98.30	38.90
LW3-G686	sediment	2	235.00	10.80	32.70	131.00	56.90	115.00	493.00	136.00	7.36	41.40	119.00	46.70
LW3-G687	sediment	2	238.00	12.20	34.50	132.00	62.60	124.00	504.00	142.00	7.23	42.20	123.00	50.90
LW3-G692-1	sediment	2	450.00	18.90	54.70	268.00	96.90	206.00	953.00	230.00	14.40	80.70	246.00	102.00
LW3-G692-1D	sediment	2	473.00	22.00	62.90	260.00	112.00	224.00	1030.00	258.00	14.60	80.60	332.00	96.60
LW3-G692-2	sediment	2	389.00	18.20	55.50	224.00	89.50	194.00	842.00	219.00	11.30	67.30	204.00	76.60
LW3-G692-3	sediment	2	385.00	17.20	51.50	225.00	96.40	196.00	840.00	210.00	10.60	66.40	214.00	80.90
LW3-G729	sediment	2	143.00	6.96	20.40	78.30	35.50	69.40	299.00	80.40	4.44	25.60	69.80	28.80
LW3-G732-1	sediment	2	142.00	5.89	18.70	73.70	32.80	65.80	276.00	76.90	4.58	24.50	68.30	27.40
LW3-G732-2	sediment	2	125.00	5.89	18.10	70.10	30.70	63.90	267.00	72.60	4.09	23.40	67.70	25.90
LW3-G738	sediment	2	8420.00	356.00	1220.00	6470.00	2950.00	5370.00	19000.00	4500.00	284.00	1620.00	6020.00	2430.00
LW3-G739	sediment	2	4820.00	199.00	654.00	2690.00	1140.00	2410.00	10100.00	2540.00	127.00	792.00	2430.00	1040.00
LW3-G747	sediment	2	308.00	13.30	43.20	184.00	78.70	165.00	656.00	201.00	10.20	50.10	154.00	62.50
LW3-SB010E-C00B	tissue	1	7020.00	734.00	705.00	9350.00	4500.00	2560.00	68700.00	14500.00	850.00	4450.00	9620.00	3880.00
LW3-SB010E-C00F	tissue	1	687.00	73.00	67.90	859.00	430.00	264.00	5650.00	1360.00	74.50	442.00	842.00	361.00
LW3-SB010E-C00FD	tissue	1	742.00	75.30	71.20	901.00	454.00	284.00	6170.00	1420.00	75.80	461.00	877.00	364.00
LW3-SB010W-C00B	tissue	1	12400.00	1130.00	1100.00	17500.00	8340.00	5440.00	#######	28500.00	1490.00	8510.00	21400.00	8100.00
LW3-SB010W-C00F	tissue	1	1640.00	177.00	133.00	2230.00	1100.00	610.00	16800.00	3420.00	184.00	1090.00	2470.00	1080.00
LW3-SB011E-C00B	tissue	1	#######	17300.00	31000.00	#######	82000.00	72400.00	#######	#######	15200.00	88700.00	#######	75100.00
LW3-SB011E-C00F	tissue	1	53700.00	3010.00	5420.00	36400.00	15700.00	12100.00	#######	48300.00	2600.00	15000.00	39500.00	16200.00
LW3-SB011W-C00B	tissue	1	12600.00	892.00	783.00	11800.00	5050.00	3030.00	87500.00	18000.00	1070.00	6090.00	13700.00	5060.00
LW3-SB011W-C00F	tissue	1	1860.00	135.00	106.00	1560.00	732.00	445.00	11300.00	2470.00	134.00	791.00	2310.00	799.00
LW3-SB02E-C00B	tissue	1	6480.00	620.00	687.00	6210.00	3770.00	3940.00	37000.00	12400.00	517.00	3380.00	4070.00	1920.00
LW3-SB02E-C00F	tissue	1	643.00	58.00	66.30	729.00	364.00	380.00	3930.00	1330.00	52.60	360.00	455.00	218.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
LW3-SB03E-C00B	tissue	1	3030.00	263.00	378.00	3040.00	1820.00	1710.00	17000.00	5140.00	219.00	1460.00	2410.00	1140.00
LW3-SB03E-C00F	tissue	1	352.00	26.90	42.60	306.00	186.00	195.00	2720.00	602.00	19.70	230.00	304.00	131.00
LW3-SB03W-C00B	tissue	1	2390.00	229.00	299.00	2520.00	1640.00	1610.00	16800.00	4690.00	202.00	1320.00	2020.00	951.00
LW3-SB03W-C00F	tissue	1	278.00	21.70	30.00	257.00	163.00	152.00	1660.00	517.00	18.60	145.00	190.00	86.70
LW3-SB04E-C01B	tissue	1	11700.00	1190.00	1200.00	9910.00	8590.00	7730.00	#######	31000.00	1190.00	7330.00	23000.00	7630.00
LW3-SB04E-C01F	tissue	1	1700.00	169.00	147.00	1320.00	1220.00	913.00	14200.00	4770.00	133.00	1140.00	2310.00	812.00
LW3-SB04E-C02B	tissue	1	11300.00	1190.00	1210.00	10200.00	8690.00	7730.00	#######	29400.00	1140.00	7680.00	24000.00	8330.00
LW3-SB04E-C02F	tissue	1	1330.00	131.00	131.00	1030.00	993.00	869.00	12800.00	3560.00	127.00	992.00	2450.00	891.00
LW3-SB04W-C00B	tissue	1	3400.00	319.00	454.00	3650.00	2350.00	2060.00	23500.00	7060.00	285.00	1780.00	3140.00	1360.00
LW3-SB04W-C00F	tissue	1	380.00	32.90	50.00	401.00	230.00	214.00	2680.00	739.00	34.00	212.00	383.00	158.00
LW3-SB05W-C00B	tissue	1	2660.00	265.00	329.00	3050.00	2010.00	1510.00	22500.00	6260.00	268.00	1710.00	3050.00	1280.00
LW3-SB05W-C00F	tissue	1	267.00	26.70	31.90	275.00	201.00	156.00	2200.00	615.00	28.00	170.00	310.00	155.00
LW3-SB06E-C00B	tissue	1	13400.00	1060.00	1330.00	13500.00	6420.00	5700.00	81000.00	24800.00	1320.00	7410.00	11600.00	4890.00
LW3-SB06E-C00BD	tissue	1	13300.00	1040.00	1310.00	13400.00	6180.00	5720.00	92500.00	24200.00	1350.00	7360.00	12000.00	5130.00
LW3-SB06E-C00F	tissue	1	1270.00	105.00	126.00	1230.00	626.00	579.00	8510.00	2390.00	119.00	703.00	1180.00	581.00
LW3-SB06W-C00B	tissue	1	2940.00	301.00	335.00	3540.00	1790.00	1250.00	22600.00	5760.00	307.00	1640.00	2890.00	1200.00
LW3-SB06W-C00F	tissue	1	253.00	24.10	28.80	271.00	149.00	117.00	1770.00	468.00	24.80	131.00	272.00	123.00
LW3-SB07E-C00B	tissue	1	55600.00	4530.00	4630.00	64300.00	27000.00	14800.00	#######	88400.00	5340.00	25700.00	67300.00	28000.00
LW3-SB07E-C00F	tissue	1	4610.00	367.00	385.00	4950.00	2120.00	1240.00	29900.00	6820.00	378.00	1910.00	4850.00	2210.00
LW3-SB07W-C00B	tissue	1	6410.00	619.00	673.00	8340.00	3980.00	2560.00	47000.00	12200.00	607.00	3410.00	6840.00	3150.00
LW3-SB07W-C00F	tissue	1	638.00	56.10	65.70	785.00	399.00	260.00	4320.00	1140.00	56.20	319.00	704.00	349.00
LW3-SB08E-C00B	tissue	1	3620.00	414.00	381.00	4330.00	2850.00	2100.00	39200.00	8770.00	456.00	2780.00	5070.00	2300.00
LW3-SB08E-C00F	tissue	1	463.00	49.60	43.50	530.00	337.00	245.00	3940.00	1110.00	48.70	306.00	545.00	257.00
LW3-SB08W-C00B	tissue	1	7130.00	599.00	872.00	7210.00	3840.00	3270.00	51700.00	12100.00	574.00	3420.00	7790.00	2760.00
LW3-SB08W-C00F	tissue	1	553.00	48.10	61.30	530.00	306.00	257.00	3290.00	947.00	42.70	252.00	500.00	242.00
LW3-SB09E-C00B	tissue	1	6810.00	554.00	678.00	7030.00	3660.00	3270.00	53100.00	12900.00	592.00	3830.00	6970.00	3130.00
LW3-SB09E-C00F	tissue	1	807.00	68.40	76.60	821.00	417.00	341.00	5720.00	1440.00	66.00	435.00	737.00	325.00
LW3-SB09W-C00B	tissue	1	9240.00	861.00	1230.00	10000.00	5400.00	4620.00	68700.00	16200.00	740.00	4610.00	8840.00	3760.00
LW3-SB09W-C00F	tissue	1	788.00	68.00	94.50	831.00	413.00	364.00	4590.00	1270.00	58.60	347.00	672.00	304.00
LW3-SP01E-C00	tissue	1	236.00	44.30	8.03	268.00	432.00	282.00	5080.00	1380.00	78.70	461.00	761.00	369.00
LW3-SP01W-C00	tissue	1	358.00	59.30	46.60	405.00	470.00	394.00	4360.00	1440.00	57.70	422.00	517.00	248.00
LW3-SP03E-C00	tissue	1	203.00	61.90	8.03	370.00	535.00	303.00	6110.00	1770.00	92.10	559.00	862.00	405.00
LW3-SP04W-C00	tissue	1	207.00	55.80	8.03	263.00	553.00	252.00	6900.00	1820.00	100.00	583.00	1000.00	475.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
LW3-SP05E-C00	tissue	1	1250.00	145.00	124.00	1110.00	1170.00	995.00	13900.00	3780.00	203.00	1210.00	2080.00	880.00
LW3-SP06W-C00	tissue	1	324.00	58.00	34.50	356.00	485.00	359.00	6700.00	1790.00	109.00	625.00	938.00	464.00
LW3-SP07E-C00	tissue	1	291.00	73.20	8.03	315.00	707.00	292.00	13000.00	2880.00	178.00	1030.00	2190.00	978.00
LW3-SP07W-C00	tissue	1	488.00	85.80	54.20	610.00	643.00	636.00	6050.00	1930.00	94.80	562.00	775.00	405.00
LW3-SP08E-C00	tissue	1	1650.00	307.00	160.00	2010.00	2600.00	1580.00	45300.00	10300.00	605.00	3660.00	6330.00	3020.00
LW3-SP08W-C00	tissue	1	626.00	122.00	55.50	799.00	947.00	628.00	10700.00	3140.00	182.00	1030.00	1650.00	775.00
LW3-SP09W-C00	tissue	1	866.00	134.00	67.10	982.00	1200.00	868.00	13200.00	3950.00	218.00	1310.00	1970.00	892.00
LW3-SP10E-C00	tissue	1	602.00	143.00	60.60	768.00	1090.00	747.00	14900.00	3910.00	204.00	1230.00	2130.00	1020.00
LW3-SP10W-C00	tissue	1	935.00	139.00	87.80	1110.00	1050.00	987.00	11600.00	3190.00	167.00	949.00	1800.00	814.00
LW3-SP11E-C00	tissue	1	#######	17800.00	30700.00	#######	93900.00	#######	#######	#######	15300.00	87400.00	#######	97600.00
LW3-SP12E-C00	tissue	1	814.00	232.00	80.90	1080.00	2520.00	1070.00	38600.00	9190.00	477.00	3280.00	5330.00	2480.00
LW3-SP12W-ALT-C01	tissue	1	48.51	28.50	5.46	179.00	310.00	156.00	5810.00	1080.00	83.60	491.00	979.00	380.00
LW3-SP12W-ALT-C02	tissue	1	48.51	37.10	6.35	175.00	384.00	161.00	5240.00	1260.00	80.90	453.00	801.00	348.00
LW3-STW2-CW10-WR142	stormwater	3	121.00	1.10	3.31	61.30	7.47	43.30	281.00	61.40	1.13	7.49	98.60	4.90
LW3-STW2-CW10-WR4	stormwater	3	639.00	4.69	55.60	228.00	156.00	292.00	1970.00	417.00	1.86	79.60	1590.00	356.00
LW3-STW2-CW30-WR4	stormwater	3	1290.00	58.20	121.00	487.00	317.00	639.00	3840.00	837.00	25.10	167.00	3000.00	591.00
LW3-STW2-CW40-WR142	stormwater	3	82.30	1.13	3.31	42.40	4.31	35.60	206.00	49.40	1.18	4.28	68.90	4.00
LW3-STW-CW10-WR04	stormwater	3	156.00	3.79	5.07	76.80	33.50	65.30	390.00	85.50	1.27	25.60	179.00	49.40
LW3-STW-CW10-WR142	stormwater	3	7.44	2.77	6.13	6.23	7.47	10.47	61.60	6.45	0.93	7.49	6.49	6.78
LW3-STW-CW10-WR384	stormwater	3	502.00	3.93	67.00	261.00	104.00	222.00	1190.00	296.00	21.20	85.90	343.00	107.00
LW3-STW-CW20-H30	stormwater	3	316.00	3.79	35.20	178.00	58.70	120.00	738.00	163.00	14.00	56.80	173.00	68.30
LW3-STW-CW20-WR384	stormwater	3	#######	5310.00	12600.00	62900.00	18100.00	44800.00	#######	53100.00	3800.00	18400.00	78000.00	28200.00
LW3-STW-CW20-WR4	stormwater	3	130.00	7.73	8.38	62.30	40.60	72.80	374.00	79.30	1.13	14.40	232.00	39.70
LW3-STW-CW30-WR384	stormwater	3	52800.00	1510.00	5580.00	27200.00	7970.00	20500.00	#######	23800.00	1580.00	7750.00	35200.00	13600.00
LW3-STW-CW30-WR4	stormwater	3	480.00	0.79	57.50	242.00	119.00	213.00	1210.00	302.00	18.90	83.40	505.00	132.00
LW3-STW-CW40-WR384	stormwater	3	25300.00	922.00	2480.00	13200.00	3780.00	9210.00	55000.00	10800.00	741.00	3630.00	15800.00	5690.00
LW3-STW-GW10-WR142-D	stormwater	3	7.44	7.39	8.38	6.23	9.83	10.47	9.34	6.45	0.93	9.91	6.49	9.01
LW3-STW-GW10-WR142-T	stormwater	3	11.77	7.39	10.18	10.50	7.47	10.47	43.30	10.65	1.46	7.49	10.59	6.78
LW3-UG02A	sediment	2	49.70	3.52	6.48	33.50	6.67	26.90	111.00	28.60	1.28	11.80	26.70	10.10
LW3-UG02C	sediment	2	40.00	1.29	5.11	22.20	9.80	17.00	82.70	21.90	1.58	7.94	21.20	8.56
LW3-UG02E-1	sediment	2	50.30	1.86	6.53	27.70	12.30	23.10	102.00	26.50	1.95	10.20	25.30	9.58
LW3-UG02E-2	sediment	2	46.00	2.47	5.68	24.40	12.20	20.10	97.70	24.60	1.59	9.45	23.70	9.33
LW3-UG03A-1	sediment	2	49.10	1.86	5.42	33.50	11.90	25.20	102.00	27.00	0.73	9.85	24.70	9.12

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
LW3-UG03A-2	sediment	2	45.60	2.47	1.82	31.30	10.70	19.70	101.00	26.20	0.58	11.40	25.70	11.00
LW3-UG03A-3	sediment	2	45.10	2.47	1.82	32.30	10.60	21.20	102.00	24.30	1.93	10.00	24.40	10.40
LW3-UG03B	sediment	2	13.10	2.47	1.82	6.86	1.98	5.65	26.70	7.64	0.46	1.81	6.55	2.14
LW3-UG04B	sediment	2	31.00	1.86	1.82	17.60	7.93	14.10	61.40	16.00	0.47	5.65	13.70	4.98
LW3-UG06A	sediment	2	25.40	1.86	1.82	23.70	7.61	16.60	77.00	19.10	0.47	6.96	20.20	7.69
LW3-UG06B	sediment	2	38.40	1.86	5.25	20.00	8.53	17.70	80.70	20.70	1.43	7.33	20.80	7.49
LW3-UG11B	sediment	2	22.10	1.86	1.82	12.10	5.71	10.40	49.10	13.10	0.69	1.81	13.00	4.74
LW3-UG12A	sediment	2	55.90	1.86	5.71	38.50	1.98	28.00	127.00	30.70	2.57	13.60	30.00	8.80
LW3-UG12B	sediment	2	51.30	1.86	6.15	27.50	12.30	22.20	107.00	26.20	1.98	9.51	27.20	10.50
LW3-W3005-NB-C	surface water fro	3	0.78	0.04	0.12	0.46	0.21	0.42	0.93	0.32	0.02	0.12	0.19	0.04
LW3-W3005-NB-F	surface water fro	3	4.10	0.17	0.52	2.55	0.89	1.81	9.43	2.82	0.20	0.83	3.72	1.46
LW3-W3005-NS-C	surface water fro	3	0.74	0.02	0.11	0.39	0.19	0.37	0.93	0.31	0.02	0.10	0.19	0.04
LW3-W3005-NS-F	surface water fro	3	3.43	0.14	0.41	2.09	0.73	1.43	7.69	2.47	0.16	0.69	3.04	1.12
LW3-W3011-NB-C	surface water fro	3	0.71	0.04	0.06	0.41	0.20	0.36	0.93	0.31	0.01	0.11	0.19	0.04
LW3-W3011-NB-F	surface water fro	3	3.01	0.03	0.37	1.91	0.72	1.26	8.30	2.42	0.20	0.73	4.73	1.83
LW3-W3011-NS-C	surface water fro	3	0.72	0.03	0.10	0.39	0.21	0.38	0.93	0.31	0.02	0.11	0.19	0.04
LW3-W3011-NS-F	surface water fro	3	1.82	0.07	0.24	1.12	0.43	0.80	3.86	1.23	0.09	0.35	1.50	0.62
LW3-W3023-E-C	surface water fro	3	0.81	0.03	0.12	0.45	0.19	0.39	0.68	0.31	0.02	0.13	0.12	0.14
LW3-W3023-E-F	surface water fro	3	12.70	0.50	1.54	6.84	2.43	5.07	27.70	8.41	0.45	2.34	6.24	2.57
LW3-W3023-M-C	surface water fro	3	0.25	0.01	0.03	0.13	0.07	0.10	0.86	0.25	0.01	0.02	0.19	0.05
LW3-W3023-M-F	surface water fro	3	0.87	0.03	0.10	0.51	0.23	0.38	1.95	0.63	0.01	0.09	0.85	0.25
LW3-W3023-W-C	surface water fro	3	0.25	0.02	0.05	0.18	0.11	0.16	0.86	0.25	0.02	0.04	0.19	0.05
LW3-W3023-W-F	surface water fro	3	2.07	0.11	0.25	1.37	0.45	0.85	4.66	0.25	0.09	0.45	1.10	0.44
LW3-W3024-NB-C	surface water fro	3	0.25	0.01	0.04	0.12	0.06	0.10	0.86	0.25	0.00	0.02	0.19	0.02
LW3-W3024-NB-F	surface water fro	3	1.73	0.07	0.18	1.01	0.38	0.71	3.70	1.12	0.02	0.37	0.93	0.39
LW3-W3024-NS-C	surface water fro	3	0.25	0.01	0.06	0.17	0.09	0.16	0.86	0.25	0.06	0.07	0.19	0.04
LW3-W3024-NS-F	surface water fro	3	0.59	0.02	0.07	0.33	0.09	0.23	1.14	0.36	0.01	0.11	0.24	0.10
LW3-W3025-E-C	surface water fro	3	1.05	0.02	0.16	0.59	0.25	0.55	1.87	0.77	0.03	0.09	0.23	0.05
LW3-W3025-E-F	surface water fro	3	3.75	0.16	0.46	2.14	0.77	1.50	8.86	2.71	0.04	0.83	2.30	0.81
LW3-W3025-M-C	surface water fro	3	0.70	0.02	0.12	0.28	0.22	0.41	0.93	0.31	0.03	0.09	0.19	0.04
LW3-W3025-M-F	surface water fro	3	2.22	0.09	0.29	1.33	0.51	1.01	4.74	1.60	0.01	0.45	1.18	0.49
LW3-W3025-W-C	surface water fro	3	0.30	0.02	0.09	0.30	0.16	0.28	0.86	0.28	0.01	0.08	0.19	0.07
LW3-W3025-W-F	surface water fro	3	1.45	0.03	0.10	0.91	0.33	0.67	3.21	1.00	0.06	0.28	0.83	0.33

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
LW3-W3027-NB-C	surface water fro	3	0.91	0.03	0.12	0.50	0.16	0.48	0.93	0.33	0.01	0.14	0.16	0.07
LW3-W3027-NB-F	surface water fro	3	3.82	0.16	0.47	2.14	0.81	1.64	8.46	2.76	0.13	0.78	2.09	0.91
LW3-W3027-NS-C	surface water fro	3	1.03	0.05	0.14	0.58	0.23	0.52	1.88	0.76	0.03	0.17	0.24	0.15
LW3-W3027-NS-F	surface water fro	3	3.32	0.13	0.40	1.88	0.69	1.43	7.48	2.37	0.12	0.67	2.15	0.88
NCPS_0	Sediment	2	34.30	0.10	5.12	26.90	11.70	18.20	52.70	23.20	1.11	0.44	15.80	6.68
NCPS_1	Sediment	2	1.36	0.08	0.30	1.12	0.74	0.47	3.24	1.03	1.11	0.37	0.70	0.44
NCPS_2	Sediment	2	54.50	3.30	8.97	44.30	20.00	30.50	85.00	43.40	1.66	8.56	26.20	11.90
NCPS_3	Sediment	2	19.60	0.05	3.94	20.80	8.47	12.60	35.20	18.60	1.11	4.08	10.40	0.64
NCPS_4	Sediment	2	12.30	0.08	0.17	10.10	4.31	6.45	20.40	9.03	1.11	0.26	6.80	2.81
PSPS_1	Sediment	2	38.70	0.08	5.88	32.70	14.50	23.70	52.60	31.80	1.11	7.31	15.60	8.37
PSPS_2	Sediment	2	17.80	0.08	2.65	12.90	5.53	8.43	24.40	14.90	1.11	0.25	0.78	4.16
PSPS_3	Sediment	2	1.23	0.10	0.69	0.90	1.66	3.21	6.59	0.87	1.11	1.05	0.66	1.00
PSPS_8	Sediment	2	1.23	0.08	0.15	0.90	1.08	0.47	2.13	1.96	1.11	0.25	0.46	0.26
PSPS_9	Sediment	2	1.23	0.10	1.11	4.45	2.40	3.58	10.70	4.45	1.11	0.28	0.66	0.42
R_CAR_0	Sediment	2	3.81	0.08	0.15	0.90	1.44	1.91	6.80	2.79	1.11	0.74	1.87	0.35
R_CAR_1	Sediment	2	3.18	0.08	0.39	2.07	1.46	0.47	2.13	2.57	1.11	0.48	1.87	0.40
R_CAR_4	Sediment	2	20.50	0.09	0.22	16.10	6.86	10.50	36.90	14.80	1.11	0.31	11.70	4.60
R_CAR_5	Sediment	2	13.30	0.10	2.58	9.20	5.79	6.66	26.10	0.66	1.11	2.02	8.25	0.45
R_CAR_6_C	Sediment	2	1.29	0.08	0.51	0.96	1.00	1.65	5.58	1.22	1.11	0.31	0.66	0.37
R_DAB_0	Sediment	2	1.41	0.08	0.17	0.90	0.33	0.54	3.17	1.41	1.11	0.25	0.66	0.31
R_DAB_1	Sediment	2	10.70	0.10	0.26	10.30	4.52	6.80	20.70	10.00	1.11	0.30	4.65	2.06
R_DAB_2	Sediment	2	5.51	0.10	0.26	5.45	2.99	4.55	9.40	4.88	1.11	0.28	0.66	0.35
R_DAB_5	Sediment	2	10.40	0.10	2.35	11.30	4.53	7.96	20.30	10.80	1.11	2.86	5.10	2.98
R_DAB_7_C	Sediment	2	18.80	1.82	4.09	20.60	10.70	16.20	37.50	18.80	1.11	3.80	11.90	4.94
R_HOL_0	Sediment	2	2.95	0.08	0.44	2.59	0.33	1.68	4.63	2.45	1.11	0.25	1.21	0.26
R_HOL_1	Sediment	2	3.89	0.08	0.57	2.94	1.49	2.13	7.24	0.87	1.11	0.25	1.78	0.67
R_HOL_3	Sediment	2	2.51	0.08	0.17	1.82	0.33	0.54	3.55	1.65	1.11	0.25	0.66	0.52
R_HOL_4	Sediment	2	10.90	0.18	1.97	8.74	3.34	6.21	18.20	7.76	1.11	1.56	5.30	1.98
R_HOL_7	Sediment	2	14.70	0.10	0.26	11.60	0.50	8.17	27.40	10.70	1.11	0.31	7.42	2.74
R_SAM_0	Sediment	2	1.23	0.10	1.34	0.90	1.70	4.24	2.13	0.87	1.11	0.60	0.53	0.45
R_SAM_1	Sediment	2	1.23	0.10	0.22	0.90	1.08	0.54	2.13	0.87	1.11	0.25	2.10	1.12
R_SAM_3	Sediment	2	3.41	0.10	0.26	3.14	0.92	0.58	7.84	2.40	1.11	0.31	0.66	0.42
R_SAM_4	Sediment	2	1.23	0.10	0.27	0.90	0.50	0.58	2.13	0.87	1.11	0.30	0.66	0.37

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
R_SAM_5	Sediment	2	1.36	0.05	0.33	7.33	2.45	4.72	23.40	0.98	1.11	0.37	5.96	2.21
SCPS_1	Sediment	2	25.90	0.10	0.29	19.90	8.14	12.90	59.50	17.50	1.11	7.81	23.20	9.97
SCPS_10_C	Sediment	2	18.10	0.08	2.68	14.80	8.08	9.12	32.40	12.90	1.11	3.45	10.20	0.56
SCPS_2	Sediment	2	6.82	0.08	0.80	4.88	2.39	3.35	13.10	4.54	1.11	1.34	4.91	0.37
SCPS_3	Sediment	2	2.93	0.08	0.54	2.39	0.35	1.56	5.73	0.87	1.11	0.25	1.81	0.37
SCPS_5	Sediment	2	18.70	0.10	3.49	17.40	8.19	12.70	29.60	12.00	1.11	4.79	10.90	6.53
SJF_10_C	Sediment	2	1.23	0.08	0.17	0.90	0.85	0.54	4.20	0.87	1.11	0.25	0.66	0.35
SJF_3	Sediment	2	1.23	0.08	0.49	2.43	0.88	1.40	6.79	0.87	1.11	0.25	1.93	0.26
SJF_9_C	Sediment	2	1.23	0.08	0.15	3.80	1.67	2.53	9.77	3.44	1.11	1.07	3.01	0.37
SJI_0	Sediment	2	3.06	0.08	0.18	2.66	0.33	1.45	6.15	2.24	1.11	0.25	0.66	0.85
SJI_1	Sediment	2	1.23	0.08	0.17	1.90	0.33	1.17	4.41	0.87	1.11	0.25	0.66	0.26
SJI_20_C_GS	Sediment	2	1.23	0.10	0.56	2.38	1.24	1.56	5.74	1.79	1.11	0.25	1.89	0.35
SJI_3	Sediment	2	1.23	0.08	0.17	0.90	0.59	0.84	2.13	0.87	1.11	0.49	0.66	0.26
SJI_8_C	Sediment	2	1.23	0.08	0.15	0.90	0.67	0.96	2.13	0.87	1.11	0.25	1.04	0.50
SPSB_0	Sediment	2	15.70	0.10	2.16	12.00	5.02	7.33	28.20	8.89	1.11	3.98	7.95	3.97
SPSB_1	Sediment	2	8.59	0.10	0.29	0.96	0.65	5.48	11.10	6.05	1.11	0.31	1.07	2.26
SPSB_2	Sediment	2	10.10	0.19	1.99	9.68	3.67	7.28	12.40	8.36	1.11	0.31	3.61	0.45
SPSB_3	Sediment	2	1.23	0.08	0.38	1.55	0.66	0.47	2.13	0.87	1.11	0.25	1.27	0.42
SPSB_8_C	Sediment	2	1.23	0.08	0.15	0.82	0.33	0.60	2.13	0.87	1.11	0.25	0.66	0.26
SS_0	Sediment	2	9.90	0.10	1.54	7.85	4.02	5.39	19.10	8.16	1.11	1.94	14.40	0.45
SS_1	Sediment	2	1.23	0.08	0.15	0.90	0.33	0.28	2.13	0.87	1.11	0.25	0.89	0.26
SS_2	Sediment	2	1.23	0.08	1.12	4.89	0.33	3.55	11.20	5.32	1.11	1.14	4.07	0.42
SS_8_C	Sediment	2	12.50	0.63	1.97	9.43	7.07	6.33	22.30	10.90	1.11	2.15	7.51	3.17
SS_9_C	Sediment	2	21.20	0.10	2.78	14.70	0.43	0.54	40.40	15.50	1.11	4.99	12.20	4.95
UCS-A	Sediment	2	563.00	20.80	37.57	304.00	157.00	269.00	1150.00	422.00	29.27	49.00	384.00	120.00
UCS-B	Sediment	2	609.00	20.80	84.00	305.00	168.00	310.00	1220.00	451.00	29.27	49.00	523.00	143.00
UCS-C	Sediment	2	581.00	20.80	84.60	308.00	167.00	308.00	1130.00	443.00	29.27	49.00	407.00	136.00
UMCS-205-Invert	Invertebrate Tiss	1	213.00	32.70	32.80	140.00	57.40	106.00	189.00	170.00	25.00	35.10	53.40	16.79
UMCS-205-Sed	Sediment	2	625.00	29.80	82.40	331.00	152.00	312.00	1030.00	400.00	27.30	81.30	356.00	117.00
UMCS-A	Sediment	2	623.00	20.80	103.00	358.00	164.00	336.00	1210.00	443.00	17.22	102.00	257.00	82.20
UMCS-B	Sediment	2	441.00	20.80	73.50	245.00	128.00	251.00	832.00	306.00	22.67	14.04	203.00	64.70
UMCS-C	Sediment	2	406.00	20.80	24.97	215.00	121.00	237.00	782.00	297.00	27.30	23.82	242.00	67.40
US-FLO-Invert	Invertebrate Tiss	1	142.00	32.70	20.80	138.00	62.90	95.20	101.00	119.00	25.00	28.40	60.30	36.20

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
US-FLO-QA-Invert	Invertebrate Tiss	1	164.00	32.70	26.00	166.00	76.90	116.00	109.00	137.00	25.00	32.90	55.70	30.90
WGNM-Invert	Invertebrate Tiss	1	745.00	40.30	133.00	505.00	205.00	390.00	550.00	586.00	40.90	92.50	133.00	76.00
WGNM-Sed	Sediment	2	3080.00	172.00	453.00	1740.00	717.00	1280.00	5710.00	2220.00	178.00	460.00	855.00	383.00
WS-IS-A	Sediment	2	2670.00	116.00	402.00	1600.00	679.00	1360.00	5190.00	1870.00	29.27	444.00	1340.00	540.00
WS-IS-B	Sediment	2	4410.00	221.00	669.00	2590.00	1080.00	2260.00	8470.00	3170.00	29.27	752.00	2060.00	749.00
WS-IS-C	Sediment	2	2410.00	111.00	357.00	1430.00	595.00	1230.00	4530.00	1570.00	29.27	389.00	1120.00	463.00
LW3-STW-CW10-WR22	stormwater	3	1370.00	62.10	160.00	745.00	248.00	543.00	3050.00	720.00	52.10	254.00	719.00	271.00
LW3-STW-CW20-WR22	stormwater	3	1980.00	92.40	247.00	1060.00	385.00	823.00	4460.00	1060.00	70.10	356.00	1020.00	393.00
LW3-STW-CW30-WR22	stormwater	3	1550.00	82.20	213.00	864.00	309.00	709.00	3540.00	909.00	64.60	283.00	860.00	338.00
LW3-STW-GW10-WR22-D	stormwater	3	16.76	10.16	12.82	15.82	14.15	15.85	14.12	15.77	1.13	11.76	15.51	10.73
LW3-STW-GW10-WR22-T	stormwater	3	746.00	5.69	81.00	403.00	138.00	280.00	1630.00	367.00	25.80	124.00	342.00	159.00
LW3-W3026-NB-C	surface water fro	3	1.21	0.03	0.19	0.65	0.36	0.57	2.53	0.88	0.01	0.10	0.67	0.25
LW3-W3026-NB-F	surface water fro	3	3.83	0.17	0.50	2.41	0.88	1.63	8.68	3.06	0.02	0.74	2.40	0.95
LW3-W3026-NS-C	surface water fro	3	1.16	0.07	0.07	0.61	0.27	0.54	2.27	0.85	0.01	0.09	0.54	0.17
LW3-W3026-NS-F	surface water fro	3	3.04	0.13	0.44	2.11	0.70	1.37	7.97	2.28	0.02	0.14	2.09	0.81
LW3-W3037-NB-C	surface water fro	3	0.55	0.02	0.09	0.34	0.15	0.28	0.93	0.83	0.01	0.06	0.24	0.06
LW3-W3037-NB-F	surface water fro	3	3.31	0.12	0.47	1.81	0.28	1.46	7.42	2.50	0.02	0.65	1.52	0.71
LW3-W3037-NS-C	surface water fro	3	0.71	0.03	0.08	0.42	0.21	0.37	0.93	0.32	0.02	0.12	0.23	0.10
LW3-W3037-NS-F	surface water fro	3	0.67	0.02	0.11	0.38	0.14	0.36	1.09	0.47	0.03	0.03	0.28	0.06
LW3-STW-CW20-WR161	stormwater	3	14100.00	697.00	1500.00	8160.00	2440.00	4360.00	40800.00	8900.00	671.00	3430.00	7950.00	3360.00
LW3-STW-CW30-WR161	stormwater	3	7550.00	369.00	732.00	4600.00	1230.00	2200.00	20300.00	4150.00	318.00	1680.00	3670.00	1600.00
LW3-STW-CW40-WR161	stormwater	3	5460.00	237.00	499.00	3210.00	808.00	1470.00	14500.00	2860.00	241.00	1270.00	2690.00	1240.00
LW3-STW-GW10-WR161-D	stormwater	3	16.76	13.96	14.65	15.82	15.84	19.03	19.32	15.77	0.93	16.17	15.51	14.80
LW3-STW-GW10-WR161-T	stormwater	3	43.20	7.39	10.18	15.82	11.62	15.85	84.70	27.90	1.24	11.76	15.51	10.73
LW3-STW-GW20-WR161-D	stormwater	3	12.72	7.73	6.34	11.08	8.11	10.99	36.60	11.29	1.13	7.49	10.59	7.15
LW3-STW-GW20-WR161-T	stormwater	3	446.00	26.80	8.55	257.00	84.40	154.00	1270.00	281.00	23.20	115.00	259.00	92.80
LW3-STW-CW20-WR123	stormwater	3	5150.00	219.00	548.00	2850.00	878.00	1890.00	12100.00	2640.00	204.00	919.00	3100.00	1260.00
LW3-STW-CW40-WR123	stormwater	3	5190.00	221.00	556.00	2920.00	873.00	1850.00	12400.00	2650.00	202.00	955.00	2650.00	965.00
LW3-STW-CW50-WR123	stormwater	3	868.00	35.20	95.40	492.00	146.00	309.00	2070.00	425.00	35.60	167.00	469.00	176.00
LW3-STW-GW10-WR123-D	stormwater	3	16.76	8.87	12.82	15.82	14.15	19.03	14.12	15.77	1.13	14.40	15.51	13.17
LW3-STW-GW10-WR123-T	stormwater	3	1600.00	78.30	190.00	900.00	315.00	644.00	3570.00	868.00	59.50	293.00	764.00	290.00
LW3-STW-CW10-WR67-2	stormwater	3	37.00	6.28	6.13	15.82	14.15	15.85	93.50	15.77	1.13	14.40	15.51	9.01
LW3-STW-CW20-WR67	stormwater	3	12.72	4.14	6.54	12.08	8.11	10.99	59.00	11.92	1.13	7.97	11.12	7.44

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
LW3-STW-CW30-WR67	stormwater	3	98.60	3.93	6.34	55.00	34.70	43.90	272.00	64.90	1.13	7.49	68.10	7.15
LW3-STW-CW40-WR67	stormwater	3	48.50	10.68	10.18	15.82	12.19	15.85	127.00	15.77	1.23	11.76	10.59	14.02
LW3-STW-CW60-WR67	stormwater	3	11.77	10.16	10.18	6.23	8.73	10.47	32.10	10.65	0.93	11.76	10.59	10.73
LW3-STW-CW30-SJB	stormwater	3	1650.00	88.40	201.00	836.00	286.00	668.00	3680.00	824.00	64.60	293.00	1080.00	425.00
LW3-STW-CW40-SJB	stormwater	3	54.40	5.94	6.34	29.20	8.11	10.99	119.00	34.20	1.13	7.49	40.40	7.44
LW3-STW-CW50-SJB	stormwater	3	539.00	10.68	59.20	297.00	91.10	194.00	1180.00	245.00	22.90	83.80	334.00	131.00
LW3-STW-GW10-SJB-D	stormwater	3	27.10	3.79	5.07	10.50	7.47	10.47	67.90	10.65	1.13	6.31	10.59	6.78
LW3-STW-GW10-SJB-T	stormwater	3	362.00	1.75	39.10	203.00	80.60	146.00	859.00	199.00	16.70	61.90	195.00	72.00
WLCT4C07BsnM070324	stormwater	3	2840.00	131.00	321.00	1640.00	506.00	1060.00	6540.00	1600.00	104.00	511.00	1250.00	558.00
WLCT4C07BsnM070407	stormwater	3	4520.00	236.00	747.00	2660.00	796.00	2140.00	7330.00	2440.00	82.10	608.00	760.00	381.00
WLCT4C07BsnM070503	stormwater	3	2480.00	129.00	339.00	1420.00	461.00	989.00	5010.00	1410.00	78.00	411.00	721.00	308.00
WLCT4C07BsnQ070324	stormwater	3	978.00	44.00	109.00	15.82	191.00	379.00	2340.00	542.00	2.71	188.00	598.00	204.00
WLCT4C07BsnQ070407	stormwater	3	405.00	1.75	47.50	206.00	66.70	145.00	852.00	209.00	13.10	69.90	207.00	70.90
WLCT4C07BsnR070324	stormwater	3	157.00	4.14	6.54	87.80	33.00	60.70	384.00	85.00	1.27	31.40	120.00	41.20
WLCT4C07BsnR070407	stormwater	3	399.00	7.39	41.20	218.00	83.80	144.00	935.00	189.00	2.26	83.20	294.00	90.70
WLCT4C07BsnR070503	stormwater	3	12700.00	602.00	1290.00	6880.00	2380.00	4620.00	31900.00	6800.00	616.00	2700.00	9920.00	3290.00
WLCT4C07BsnL070324	stormwater	3	2200.00	107.00	250.00	1180.00	411.00	838.00	5070.00	1220.00	73.50	390.00	982.00	402.00
WLCT4C07BsnL070503	stormwater	3	1740.00	6.38	206.00	964.00	33.99	647.00	4100.00	956.00	69.40	341.00	813.00	301.00
WLCT4C07BsnL070520	stormwater	3	1770.00	108.00	190.00	981.00	313.00	624.00	4310.00	955.00	63.00	300.00	958.00	398.00
LW3-W3028-NB-C	surface water fro	3	1.28	0.03	0.16	0.69	0.36	0.61	2.62	0.96	0.06	0.10	0.66	0.21
LW3-W3028-NB-F	surface water fro	3	0.88	0.02	0.11	0.47	0.20	0.23	1.81	0.56	0.02	0.08	0.56	0.18
LW3-W3028-NS-C	surface water fro	3	2.30	0.10	0.12	1.18	0.21	0.92	4.80	1.74	0.02	0.39	1.23	0.43
LW3-W3028-NS-F	surface water fro	3	5.04	0.20	0.63	2.94	1.19	2.13	12.50	3.76	0.02	0.95	3.20	0.18
LW3-STW2-CW20-WR218	stormwater	3	438.00	3.79	44.90	232.00	76.30	165.00	867.00	206.00	13.60	74.80	232.00	90.80
LW3-STW-CW10-WR218	stormwater	3	827.00	37.70	94.60	461.00	153.00	307.00	1770.00	382.00	23.40	124.00	428.00	163.00
LW3-STW-CW20-WR218	stormwater	3	304.00	4.25	32.90	159.00	57.90	117.00	649.00	150.00	9.58	51.30	156.00	61.40
LW3-W3038-NB-C	surface water fro	3	0.30	0.02	0.06	0.23	0.08	0.15	0.86	0.31	0.01	0.05	0.22	0.08
LW3-W3038-NB-F	surface water fro	3	0.45	0.02	0.10	0.28	0.14	0.14	0.93	0.28	0.03	0.05	0.38	0.17
LW3-W3038-NS-C	surface water fro	3	0.30	0.01	0.09	0.26	0.13	0.30	1.09	0.25	0.01	0.04	0.23	0.12
LW3-W3038-NS-F	surface water fro	3	2.23	0.03	0.13	0.51	0.55	1.01	5.63	1.78	0.03	0.48	1.26	0.54
WLCT4C07BsnT070324	stormwater	3	629.00	31.40	77.50	343.00	131.00	271.00	1500.00	351.00	2.78	118.00	415.00	138.00
WLCT4C07BsnT070407	stormwater	3	236.00	3.79	27.60	126.00	45.40	94.40	497.00	128.00	8.67	41.20	146.00	48.60
WLCT4C07BsnT070503	stormwater	3	3230.00	336.00	291.00	1830.00	666.00	1370.00	7480.00	1870.00	204.00	614.00	1690.00	760.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
LW3-W3032-NB-C	surface water fro	3	1.13	0.06	0.16	0.63	0.32	0.56	2.22	0.85	0.01	0.17	0.24	0.15
LW3-W3032-NB-F	surface water fro	3	7.92	0.30	0.96	4.52	1.75	3.37	18.40	5.77	0.29	1.68	4.89	2.00
LW3-W3032-NS-C	surface water fro	3	1.43	0.07	0.20	0.79	0.35	0.72	2.38	0.98	0.04	0.20	0.23	0.07
LW3-W3032-NS-F	surface water fro	3	9.93	0.37	1.28	5.77	2.14	4.39	23.20	7.21	0.36	2.07	5.47	2.38
LW3-STW-CW10-OF22	stormwater	3	255.00	1.10	32.00	140.00	52.40	105.00	559.00	131.00	9.06	44.60	137.00	55.40
LW3-STW-CW20-OF22	stormwater	3	701.00	33.50	77.40	387.00	133.00	267.00	1570.00	359.00	20.60	113.00	388.00	143.00
LW3-STW-CW20-OF22D	stormwater	3	636.00	28.00	69.70	361.00	126.00	259.00	1480.00	329.00	22.10	106.00	354.00	137.00
LW3-STW-CW30-OF22	stormwater	3	211.00	14.76	14.65	113.00	37.30	76.20	466.00	105.00	9.06	37.30	127.00	45.80
LW3-STW-GW10-OF22-D	stormwater	3	16.76	10.16	10.18	15.82	11.62	15.85	43.50	15.77	0.93	11.76	15.51	10.73
LW3-STW-GW10-OF22-T	stormwater	3	1290.00	58.00	150.00	664.00	262.00	530.00	2970.00	688.00	34.50	221.00	772.00	289.00
LW3-W3034-NB-C	surface water fro	3	0.59	0.02	0.06	0.31	0.18	0.18	0.86	0.31	0.01	0.06	0.19	0.09
LW3-W3034-NB-F	surface water fro	3	3.04	0.14	0.44	1.78	0.65	1.29	6.86	2.07	0.03	0.53	1.69	0.63
LW3-W3034-NS-C	surface water fro	3	0.30	0.03	0.09	0.33	0.20	0.16	0.64	0.31	0.01	0.07	0.19	0.08
LW3-W3034-NS-F	surface water fro	3	2.51	0.03	0.33	1.37	0.59	1.05	5.75	1.69	0.10	0.46	1.38	0.12
IE1567	Sediment	2	15.00	0.68	2.01	10.00	4.24	6.84	31.00	10.00	0.45	3.39	5.54	2.35
IE1568	Sediment	2	20.00	0.48	2.89	15.00	6.05	10.00	42.00	14.00	0.98	4.75	9.06	3.94
IE1569	Sediment	2	22.00	1.00	2.93	16.00	6.97	11.00	46.00	15.00	0.45	5.25	11.00	4.62
IE1570	Sediment	2	33.40	1.58	4.11	23.20	9.67	14.20	72.00	23.10	1.07	7.09	14.00	6.24
IE1571	Sediment	2	22.00	0.92	3.13	18.00	8.89	12.00	55.00	16.00	1.30	6.26	13.00	4.85
IE1572	Sediment	2	21.00	0.97	2.97	16.00	6.70	10.00	45.00	15.00	1.22	5.30	11.00	4.77
IE1573	Sediment	2	23.60	0.72	3.47	19.20	8.51	12.30	49.00	18.10	0.65	5.98	12.40	5.19
IE1574	Sediment	2	22.00	1.34	3.59	15.00	6.08	8.43	53.00	18.00	1.64	5.82	12.00	2.72
IE1575	Sediment	2	40.00	3.90	7.40	28.00	15.00	20.00	105.00	33.00	2.10	8.38	24.00	4.50
IE1576	Sediment	2	61.00	3.05	8.82	46.00	17.00	23.00	142.00	46.00	4.10	16.00	17.00	6.70
IE1577	Sediment	2	63.00	0.38	13.00	47.00	32.00	41.00	192.00	66.00	1.03	13.00	85.00	12.00
IE1578	Sediment	2	26.40	1.46	3.81	16.50	7.96	11.50	53.00	20.40	0.93	4.83	8.74	3.80
IE1579	Sediment	2	6.25	0.38	1.18	3.95	1.35	2.69	11.30	8.01	0.45	1.34	1.50	1.63
IU4814	Sediment	2	118.00	4.30	13.60	67.50	27.20	42.50	227.00	64.80	4.70	22.40	40.90	19.00
IU4815	Sediment	2	117.00	0.94	13.30	73.50	29.40	38.10	232.00	69.80	6.20	22.50	13.08	16.20
IU4816	Sediment	2	96.80	0.80	12.80	64.80	26.70	41.90	221.00	61.20	1.37	20.60	41.00	16.60
IU4817	Sediment	2	75.40	0.94	10.20	47.40	20.30	29.90	167.00	45.90	5.00	15.70	29.60	4.89
IU4818	Sediment	2	111.00	1.19	16.50	70.70	26.20	47.10	252.00	77.20	1.11	23.60	41.10	16.50
IU4819	Sediment	2	108.00	4.50	12.10	71.70	24.80	37.60	231.00	63.90	1.28	22.80	40.80	4.18

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-174	PCB-175	PCB-176	PCB-177	PCB-178	PCB-179	PCB-180	PCB-183	PCB-189	PCB-190	PCB-194	PCB-195
IU4820	Sediment	2	97.70	0.94	8.80	25.25	9.26	35.60	213.00	55.00	5.70	4.95	44.70	16.70
IU4821	Sediment	2	121.00	8.90	6.02	84.20	33.90	49.70	272.00	76.20	1.45	24.40	13.08	6.98
IU4822	Sediment	2	143.00	1.49	5.81	82.40	7.16	19.30	265.00	58.20	1.66	6.08	18.82	20.80
IU4823	Sediment	2	132.00	5.70	18.20	77.30	35.20	52.60	284.00	33.13	0.93	22.40	77.30	27.10
IU4824	Sediment	2	202.00	1.49	33.60	119.00	43.10	81.20	444.00	149.00	10.00	44.80	18.82	7.44
IU4825	Sediment	2	139.00	6.40	5.81	73.70	25.30	62.50	258.00	81.20	1.03	7.90	60.40	22.90
IU4826	Sediment	2	92.20	1.43	2.70	21.57	18.50	12.77	186.00	50.30	0.93	16.00	33.00	19.50
IU4827	Sediment	2	113.00	1.49	5.39	65.80	11.50	42.90	197.00	27.47	1.59	10.67	11.92	6.69
IU4828	Sediment	2	92.00	1.49	14.20	65.00	9.26	13.37	234.00	52.00	1.66	11.54	15.28	8.14
IU4829	Sediment	2	139.00	1.69	6.22	90.20	11.75	53.40	298.00	33.13	11.30	31.60	48.60	22.80
IU4830	Sediment	2	194.00	1.43	21.80	111.00	40.10	61.90	361.00	108.00	1.45	39.30	46.70	20.70
IU4831	Sediment	2	225.00	1.49	35.20	140.00	50.00	85.00	440.00	119.00	13.00	38.70	40.00	4.88
IU4832	Sediment	2	90.00	5.80	14.30	57.00	24.40	41.70	190.00	56.00	2.23	15.00	38.50	16.00
IU4833	Sediment	2	87.00	1.00	4.18	56.00	21.90	40.70	179.00	51.00	2.23	16.10	35.00	14.00
IU4834	Sediment	2	112.00	5.40	17.30	63.00	32.70	60.00	230.00	64.00	1.52	18.60	41.00	8.49
IU4835	Sediment	2	99.00	0.94	5.83	56.00	25.40	42.10	193.00	73.00	1.45	5.70	11.31	7.90

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
LW3-STW2-CW10-WR96	stormwater	3	85.00	0.16	1.14	1.72	0.22	248.00	0.31	43.40	357.00
LW3-STW-CW30-WR96	stormwater	3	151.00	1.78	5.22	6.64	1.94	389.00	2.29	53.50	623.00
LW3-STW-CW40-WR96	stormwater	3	83.60	1.52	3.07	4.25	1.84	162.00	1.15	26.80	238.00
LW3-STW-GW10-WR96-D	stormwater	3	39.50	3.50	4.46	4.97	4.15	127.00	4.11	4.25	175.00
LW3-STW-GW10-WR96-T	stormwater	3	71.30	1.78	4.80	6.23	1.84	184.00	1.91	4.81	263.00
LW3-W3033-2-NB-C	surface water fro	3	0.13	0.47	0.06	0.14	0.02	0.30	0.04	0.14	0.10
LW3-W3033-2-NB-F	surface water fro	3	1.39	3.22	0.38	0.66	0.13	1.65	0.22	0.50	1.18
LW3-W3033-2-NS-C	surface water fro	3	0.18	0.47	0.08	0.18	0.05	0.30	0.07	0.11	0.10
LW3-W3033-2-NS-F	surface water fro	3	1.14	2.66	0.29	0.55	0.11	1.31	0.17	0.40	0.91
LW3-W3033-NB-C	surface water fro	3	0.18	0.47	0.08	0.18	0.01	0.30	0.05	0.11	0.13
LW3-W3033-NB-F	surface water fro	3	1.00	2.52	0.29	0.57	0.11	1.48	0.23	0.50	1.68
LW3-W3033-NS-C	surface water fro	3	0.13	0.47	0.08	0.18	0.01	0.30	0.05	0.11	0.24
LW3-W3033-NS-F	surface water fro	3	1.08	2.73	0.32	0.64	0.11	1.48	0.21	0.50	1.25
060403-FIL-1	Surface Water	3	0.07	0.20	0.03	0.05	0.22	0.09	0.02	0.05	0.08
060403-XAD-1	Surface Water	3	0.00	0.01	0.00	0.00	0.06	0.01	0.00	0.01	0.00
060404-FIL-2	Surface Water	3	0.07	0.18	0.03	0.04	0.22	0.09	0.01	0.04	0.11
060404-XAD-2	Surface Water	3	0.00	0.00	0.00	0.02	0.22	0.01	0.00	0.01	0.01
070910-SPMD1A	Surface Water	3	37.30	103.00	23.70	54.60	3.69	23.00	5.22	14.10	29.50
070910-SPMD1B	Surface Water	3	31.20	84.70	19.50	45.40	3.60	19.40	4.17	11.00	21.50
070910-SPMD2A	Surface Water	3	50.50	128.00	25.60	60.80	6.02	33.80	5.85	14.10	23.60
070910-SPMD2B	Surface Water	3	43.80	124.00	25.20	60.60	4.53	24.70	5.51	13.70	24.50
070910-SPMD3A	Surface Water	3	49.60	139.00	30.50	73.00	4.92	33.80	7.33	15.60	28.40
070910-SPMD3B	Surface Water	3	45.00	123.00	26.00	60.70	4.98	26.90	4.90	13.80	24.10
071022-SPMD1A	Surface Water	3	44.60	110.00	28.20	60.70	2.98	26.10	5.01	12.40	36.00
071022-SPMD1B	Surface Water	3	35.30	86.50	23.70	51.00	2.98	17.80	4.62	11.40	27.40
071022-SPMD2A	Surface Water	3	36.70	94.20	20.10	44.40	3.74	21.20	4.97	9.48	22.80
071022-SPMD2B	Surface Water	3	62.40	180.00	29.10	59.50	4.75	34.50	6.74	16.50	25.50
071022-SPMD3A	Surface Water	3	33.90	84.30	21.90	42.70	3.37	21.80	4.34	9.96	19.60
071022-SPMD3B	Surface Water	3	31.00	81.70	19.30	41.80	2.53	20.20	3.91	9.08	14.40
071102-SPMD1A	Surface Water	3	34.20	78.60	20.50	39.80	2.82	18.90	3.89	7.87	17.60
071102-SPMD1B	Surface Water	3	23.70	55.50	13.40	28.80	1.94	11.40	2.60	6.48	9.21
071102-SPMD2A	Surface Water	3	32.00	79.70	19.10	38.80	2.38	14.40	3.87	7.71	14.30
071102-SPMD2B	Surface Water	3	42.40	102.00	22.20	37.40	3.44	17.20	4.47	9.97	11.70

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
071102-SPMD3A	Surface Water	3	32.30	85.80	23.10	41.20	2.61	14.90	3.36	8.85	16.10
071102-SPMD3B	Surface Water	3	42.00	106.00	26.40	51.00	3.17	23.20	4.63	12.80	32.20
08021252XAD	Surface Water	3	0.03	0.07	0.01	0.02	0.08	0.03	0.01	0.03	0.01
08021252XAD-FIL	Surface Water	3	0.04	0.10	0.01	0.03	0.17	0.05	0.01	0.00	0.07
08021354XAD	Surface Water	3	0.00	0.00	0.01	0.00	0.12	0.02	0.00	0.00	0.00
08021354XAD-FIL	Surface Water	3	0.37	0.71	0.08	0.11	0.05	0.15	0.02	0.04	0.07
08022156XAD	Surface Water	3	0.00	0.01	0.01	0.00	0.22	0.02	0.01	0.01	0.01
08022156XAD-FIL	Surface Water	3	0.04	0.10	0.01	0.03	0.14	0.06	0.01	0.02	0.11
08022453XAD	Surface Water	3	0.03	0.10	0.01	0.02	0.29	0.04	0.02	0.01	0.01
08022453XAD-FIL	Surface Water	3	0.26	0.49	0.05	0.08	0.03	0.12	0.02	0.03	0.07
08022555XAD	Surface Water	3	0.05	0.14	0.02	0.03	0.44	0.05	0.02	0.04	0.01
08022555XAD-FIL	Surface Water	3	0.04	0.10	0.01	0.03	0.14	0.05	0.01	0.00	0.06
08022757XAD	Surface Water	3	0.03	0.11	0.01	0.02	0.22	0.05	0.02	0.04	0.00
08022757XAD-FIL	Surface Water	3	0.03	0.08	0.01	0.02	0.19	0.04	0.01	0.01	0.11
08022959XAD	Surface Water	3	0.02	0.05	0.01	0.00	0.27	0.03	0.00	0.01	0.03
08022959XAD-FIL	Surface Water	3	0.04	0.09	0.01	0.02	0.14	0.05	0.01	0.01	0.06
08030460XAD	Surface Water	3	0.01	0.03	0.00	0.00	0.22	0.01	0.00	0.01	0.01
08030460XAD-FIL	Surface Water	3	0.04	0.09	0.01	0.03	0.33	0.06	0.01	0.02	0.06
08030661XAD	Surface Water	3	0.01	0.05	0.01	0.00	0.37	0.01	0.01	0.02	0.03
08030661XAD-FIL	Surface Water	3	0.04	0.10	0.01	0.03	0.33	0.05	0.01	0.01	0.06
08030758XAD	Surface Water	3	0.03	0.09	0.01	0.00	0.50	0.04	0.01	0.03	0.02
08030758XAD-FIL	Surface Water	3	0.03	0.08	0.01	0.02	0.33	0.04	0.01	0.02	0.01
ACOE-BAIT	Bait (used in trap	1	0.97	0.91	0.08	0.23	5.30	0.92	0.26	0.15	0.61
P01-CF	Crayfish	1	9.34	19.00	3.70	2.79	0.69	4.40	1.88	2.57	5.07
P04-CF	Crayfish	1	35.90	57.70	8.46	3.73	1.50	6.06	4.24	4.14	4.84
P04-Clam	Clam Tissue	1	34.20	61.10	40.60	101.00	9.52	30.20	5.44	11.70	13.50
P04-Sed	Sediment	2	21.70	42.60	5.47	10.20	2.56	15.50	2.22	3.84	7.48
P05-CF	Crayfish	1	19.80	38.60	5.73	3.95	1.37	7.23	2.49	3.50	5.75
P05-Clam	Clam Tissue	1	15.20	31.40	19.90	59.70	4.26	16.70	3.29	7.88	11.00
P05-Sed	Sediment	2	0.22	0.58	0.08	0.17	0.05	0.42	0.29	0.90	0.89
P06-CF	Crayfish	1	22.10	38.90	4.90	3.21	0.80	4.38	1.54	2.98	4.94
P06-Clam	Clam Tissue	1	18.90	38.50	25.00	73.60	5.31	19.70	3.90	9.00	12.70
P06-Sed	Sediment	2	0.81	2.31	0.26	0.65	0.13	1.87	0.27	0.60	1.83

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
P07-CF	Crayfish	1	27.40	62.90	8.53	11.00	2.02	25.40	4.31	7.18	4.45
P07-Clam	Clam Tissue	1	13.90	29.10	19.70	60.90	4.16	15.70	3.05	7.24	10.80
P07-Sed	Sediment	2	1.11	2.80	0.37	1.02	0.16	1.88	0.25	0.71	1.85
P08-CF	Crayfish	1	6.12	14.10	2.42	2.74	0.55	3.63	1.03	1.91	3.19
P08-Clam	Clam Tissue	1	14.00	28.60	19.20	61.20	4.14	15.90	3.05	7.20	11.20
P08-Sed	Sediment	2	1.48	4.05	0.60	1.57	0.24	2.85	0.41	0.99	2.94
P09-Sed	Sediment	2	3.79	9.73	1.31	3.19	0.44	6.96	0.95	2.56	7.14
P100-CF	Crayfish	1	3.43	8.19	2.01	2.22	0.45	2.54	0.81	1.19	2.67
P10-Clam	Clam Tissue	1	10.50	22.60	14.20	45.20	2.98	11.80	2.26	5.51	8.26
P10-Sed	Sediment	2	3.17	8.92	1.08	2.96	0.41	6.35	0.89	2.35	7.75
P110-CF	Crayfish	1	3.05	5.37	1.20	1.63	0.32	1.53	0.43	0.76	1.80
P110-Clam	Clam Tissue	1	11.40	28.20	13.50	44.50	2.87	10.90	2.25	5.71	7.10
P110-Sed	Sediment	2	4.27	13.40	1.64	4.07	0.50	7.73	1.25	2.71	6.79
P110-SP	Sculpin	1	19.60	45.20	3.32	26.90	3.29	21.30	3.24	6.62	11.00
P111-Sed	Sediment	2	5.18	17.10	1.80	4.81	0.63	11.10	1.62	3.88	11.00
P11-Clam	Clam Tissue	1	12.70	28.00	17.80	57.80	3.65	14.70	2.84	7.00	10.80
P11-Sed	Sediment	2	3.05	8.23	1.16	3.06	0.40	5.52	0.81	2.11	7.16
P13-CF	Crayfish	1	4.04	11.10	1.79	1.87	0.31	2.23	0.85	1.42	2.17
P13-Clam	Clam Tissue	1	14.40	31.60	19.60	62.80	3.97	16.70	3.24	7.78	12.00
P13-Sed	Sediment	2	3.02	8.61	1.01	2.14	0.48	5.28	0.42	1.86	5.33
P14-CF	Crayfish	1	6.38	9.40	2.67	0.89	0.22	1.62	1.38	1.01	2.83
P14-Clam	Clam Tissue	1	14.90	32.40	21.60	66.40	4.34	17.20	3.46	8.28	12.60
P14-Sed	Sediment	2	0.69	1.64	0.33	0.58	0.15	1.14	0.58	0.45	1.34
P15-CF	Crayfish	1	4.03	12.10	1.85	2.29	0.42	3.50	0.85	1.84	2.76
P15-Clam	Clam Tissue	1	12.40	27.30	18.60	58.20	3.69	14.80	2.77	7.09	10.90
P15-Sed	Sediment	2	2.75	7.79	1.22	3.29	0.37	5.36	0.70	2.09	5.44
P16-CF	Crayfish	1	4.69	12.90	2.77	4.22	0.63	3.32	0.93	1.84	3.47
P16-Clam	Clam Tissue	1	11.40	24.00	16.40	52.10	3.36	13.10	2.58	6.10	9.41
P16-Sed	Sediment	2	2.82	7.77	1.15	2.92	0.40	6.06	0.76	2.27	7.30
P17-CF	Crayfish	1	2.51	4.20	1.45	1.09	0.12	1.26	0.76	0.54	1.77
P17-Clam	Clam Tissue	1	11.90	25.20	16.30	49.20	3.35	13.10	2.71	6.13	9.45
P17-Sed	Sediment	2	2.40	6.68	0.79	2.17	0.33	4.52	0.57	1.72	4.83
P18-CF	Crayfish	1	5.90	13.40	3.00	2.54	0.36	2.22	1.27	1.64	2.61

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
P18-Clam	Clam Tissue	1	11.80	25.10	15.80	47.40	3.26	12.50	2.51	5.82	8.11
P18-Sed	Sediment	2	1.55	4.97	0.68	1.83	0.17	3.91	0.49	1.55	3.20
P19-CF	Crayfish	1	2.60	6.57	1.70	2.16	0.26	1.75	0.61	0.98	2.16
P20-CF	Crayfish	1	3.24	7.03	2.09	1.65	0.24	1.56	0.82	1.10	2.41
P21-CF	Crayfish	1	4.02	7.98	2.35	2.88	0.43	2.51	1.17	1.47	3.43
P21-Clam	Clam Tissue	1	11.60	23.90	15.60	49.40	3.22	12.70	2.64	5.95	8.91
P21-Sed	Sediment	2	2.16	6.22	0.89	2.12	0.28	4.78	0.62	1.85	8.55
P22-CF	Crayfish	1	3.20	2.93	0.71	0.58	0.16	0.71	0.81	0.44	2.95
P22-Clam	Clam Tissue	1	14.80	32.30	19.90	62.40	4.12	17.00	3.55	8.18	11.20
P22-Sed	Sediment	2	1.38	4.52	0.64	1.53	0.23	2.90	0.51	1.17	3.71
P24-Clam	Clam Tissue	1	12.90	29.90	19.40	58.70	3.75	15.70	3.26	7.31	10.20
P24-Sed	Sediment	2	1.77	5.38	0.69	1.71	0.25	3.38	0.43	1.31	3.61
P26-Clam	Clam Tissue	1	13.90	29.20	19.70	65.40	3.85	15.50	3.37	7.34	10.00
P26-Sed	Sediment	2	1.34	4.09	0.53	1.13	0.15	2.35	0.35	0.97	2.46
P27-Clam	Clam Tissue	1	14.80	29.30	19.80	72.10	4.21	17.20	3.47	7.67	11.50
P27-Sed	Sediment	2	1.90	5.79	0.77	1.92	0.19	4.29	0.55	1.61	4.55
P28-Clam	Clam Tissue	1	15.00	32.00	20.20	61.80	4.03	16.60	3.44	8.00	11.40
P28-Sed	Sediment	2	1.85	6.38	0.66	1.86	0.22	6.18	0.65	2.41	6.38
P29-Clam	Clam Tissue	1	13.30	30.60	20.10	61.60	3.97	17.50	3.42	8.87	12.40
P29-Sed	Sediment	2	1.74	5.26	0.64	1.60	0.24	4.59	0.60	1.85	6.12
P33-CF	Crayfish	1	2.87	6.53	1.23	0.95	0.24	1.62	0.79	1.00	2.60
P34-Clam	Clam Tissue	1	14.50	33.50	20.60	62.00	4.00	19.30	4.00	9.49	13.10
P34-Sed	Sediment	2	2.87	8.78	1.20	2.59	0.35	7.21	0.94	2.50	7.86
P35-Clam	Clam Tissue	1	16.30	38.00	24.80	71.00	4.76	20.60	4.26	10.10	14.10
P35-Sed	Sediment	2	1.47	5.19	0.64	1.60	0.20	4.28	0.52	1.59	4.05
P36-Clam	Clam Tissue	1	17.40	37.70	23.70	77.30	5.01	21.20	4.00	10.30	17.00
P36-Sed	Sediment	2	1.19	3.27	0.43	1.07	0.17	2.85	0.45	1.13	3.47
P37-Clam	Clam Tissue	1	14.90	32.90	20.30	65.60	4.33	18.80	3.58	9.20	15.00
P37-Sed	Sediment	2	1.23	3.66	0.56	1.10	0.16	3.21	0.34	1.16	3.42
P38/42-CF	Crayfish	1	2.42	7.41	1.56	2.45	0.32	2.25	0.61	1.34	2.07
P38-Clam	Clam Tissue	1	14.60	29.40	19.10	60.30	4.04	17.10	3.37	8.06	12.80
P38-Sed	Sediment	2	1.28	3.25	0.57	1.39	0.19	2.71	0.42	1.04	3.33
P39-Clam	Clam Tissue	1	16.60	36.70	23.00	73.20	4.93	20.30	4.18	9.69	16.10

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
P39-Sed	Sediment	2	0.96	2.42	0.35	0.89	0.14	1.89	0.28	0.75	2.49
P40-Clam	Clam Tissue	1	15.80	33.80	22.10	69.30	4.93	19.40	3.76	8.93	13.30
P40-Sed	Sediment	2	0.97	2.78	0.44	1.05	0.15	2.28	0.38	0.85	3.78
P41-Clam	Clam Tissue	1	16.30	35.90	23.20	72.10	5.16	20.10	3.99	9.49	14.30
P41-Sed	Sediment	2	0.79	2.07	0.29	0.69	0.12	1.70	0.24	0.65	2.40
P42-Clam	Clam Tissue	1	14.70	32.00	20.20	64.90	4.65	17.70	3.45	8.61	12.50
P42-Sed	Sediment	2	0.45	1.12	0.21	0.47	0.08	1.01	0.14	0.33	1.52
P46-Sed	Sediment	2	0.36	1.49	0.11	0.59	0.14	0.78	0.35	0.41	0.83
P47-Sed	Sediment	2	0.65	2.04	0.32	0.74	0.10	2.92	0.41	1.40	2.40
P48-Sed	Sediment	2	0.56	1.68	0.22	0.52	0.07	1.05	0.35	0.44	1.25
P49-Sed	Sediment	2	1.45	3.57	0.48	1.14	0.12	1.59	0.23	0.57	1.49
P50-Sed	Sediment	2	3.73	9.72	1.28	3.04	0.40	6.16	0.79	2.26	7.10
P51-Sed	Sediment	2	0.93	2.94	0.29	1.15	0.12	2.16	0.29	0.88	3.45
P65-Clam	Clam Tissue	1	15.80	35.10	21.90	69.50	4.66	18.30	3.56	8.63	12.80
P65-Sed	Sediment	2	1.32	3.91	0.68	1.42	0.18	2.94	0.51	1.08	3.51
P67-Sed	Sediment	2	0.22	0.74	0.11	0.20	0.29	0.45	0.83	1.65	0.89
P72-CF	Crayfish	1	3.28	8.55	1.45	1.31	0.34	2.11	0.79	1.24	2.48
P73-CF	Crayfish	1	3.72	8.71	1.74	1.88	0.30	2.18	0.79	1.18	2.46
P74-CF	Crayfish	1	3.42	5.10	1.50	1.84	0.29	1.63	0.77	0.80	2.43
P75-CF	Crayfish	1	3.07	6.56	1.83	2.76	0.29	1.31	0.76	0.74	1.82
P76-CF	Crayfish	1	2.06	3.64	0.86	0.64	0.16	1.06	0.41	0.51	1.68
P78-CF	Crayfish	1	2.31	4.93	1.26	1.27	0.21	1.14	0.60	0.67	2.00
P79-CF	Crayfish	1	4.18	9.03	1.84	1.98	0.38	2.76	0.77	1.23	2.50
P82-CF	Crayfish	1	6.28	14.90	2.85	2.91	0.71	3.22	1.27	1.40	2.95
P85-Clam	Clam Tissue	1	12.20	29.00	19.60	67.40	4.26	16.50	3.14	7.81	11.90
P85-Sed	Sediment	2	1.80	5.88	0.73	1.97	0.23	4.38	0.61	1.83	4.83
P86-Clam	Clam Tissue	1	12.00	29.20	16.80	58.80	4.02	15.90	2.96	7.63	10.60
P86-Sed	Sediment	2	1.29	3.92	0.52	1.36	0.17	2.98	0.48	1.13	3.58
P87-Clam	Clam Tissue	1	11.70	27.60	16.70	58.20	3.78	15.70	3.02	7.36	10.60
P87-Sed	Sediment	2	1.97	6.21	0.76	2.00	0.26	5.79	0.80	2.16	6.67
P88-Clam	Clam Tissue	1	16.00	33.50	21.40	60.80	4.30	16.10	3.38	7.69	10.40
P88-Sed	Sediment	2	0.56	1.49	0.14	0.44	0.08	0.97	0.16	0.39	1.14
P89-Clam	Clam Tissue	1	13.90	29.30	18.80	54.40	3.78	14.60	2.94	6.97	10.30

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
P89-Sed	Sediment	2	0.91	1.89	0.16	0.36	0.12	0.99	0.49	0.30	0.89
P90-CF	Crayfish	1	3.85	3.19	1.15	1.42	0.14	1.07	0.85	0.45	1.72
P91-CF	Crayfish	1	3.26	7.24	2.16	2.62	0.38	1.83	0.89	1.06	2.23
P92-CF	Crayfish	1	2.55	6.09	1.27	0.96	0.45	1.28	0.76	0.16	2.02
P94-CF	Crayfish	1	2.37	4.47	1.51	1.21	0.32	1.63	0.67	0.74	2.37
P98-CF	Crayfish	1	2.27	4.59	1.28	1.18	0.24	1.35	0.50	0.64	1.71
SB-01	Smallmouth Bas	1	117.00	243.00	41.00	104.00	11.10	93.90	18.90	30.30	39.10
SB-02	Smallmouth Bas	1	881.00	1610.00	226.00	642.00	97.90	749.00	107.00	163.00	164.00
SB-03	Smallmouth Bas	1	597.00	1150.00	135.00	296.00	42.20	335.00	60.70	95.80	83.20
SB-04	Smallmouth Bas	1	445.00	547.00	76.80	284.00	39.90	276.00	50.60	57.80	74.20
SB-05	Smallmouth Bas	1	141.00	277.00	47.00	128.00	14.00	103.00	21.50	35.30	43.00
SB-06	Smallmouth Bas	1	349.00	896.00	159.00	486.00	49.80	364.00	56.00	132.00	140.00
SB-07	Smallmouth Bas	1	255.00	371.00	70.50	267.00	29.10	217.00	41.60	58.00	93.60
SB-08	Smallmouth Bas	1	1600.00	3050.00	370.00	988.00	155.00	1440.00	191.00	304.00	221.00
SB-09	Smallmouth Bas	1	260.00	401.00	73.00	294.00	32.20	233.00	41.90	57.10	82.50
SB-10	Smallmouth Bas	1	535.00	986.00	180.00	540.00	56.40	364.00	71.90	110.00	127.00
SB-11	Smallmouth Bas	1	31000.00	59600.00	6980.00	11000.00	1520.00	13600.00	2550.00	3140.00	1080.00
SB-12	Smallmouth Bas	1	991.00	2060.00	211.00	288.00	42.90	271.00	71.50	91.80	65.40
SB-13	Smallmouth Bas	1	1210.00	1840.00	260.00	860.00	123.00	928.00	134.00	182.00	214.00
SB-14	Smallmouth Bas	1	176.00	240.00	47.30	214.00	24.80	199.00	36.50	44.90	85.30
SB-15	Smallmouth Bas	1	173.00	288.00	55.50	233.00	23.50	179.00	31.60	45.30	69.80
SB-16	Smallmouth Bas	1	812.00	1980.00	183.00	582.00	64.50	546.00	88.10	168.00	132.00
SB-17	Smallmouth Bas	1	8560.00	17500.00	2050.00	3110.00	923.00	5570.00	702.00	1370.00	841.00
SB-18	Smallmouth Bas	1	2070.00	4200.00	448.00	1290.00	237.00	2020.00	247.00	404.00	342.00
SB-19	Smallmouth Bas	1	197.00	443.00	70.10	134.00	16.90	111.00	27.00	53.00	51.70
SF-01	Sculpin	1	59.50	72.80	11.10	53.20	6.94	54.50	12.00	10.70	28.50
SF-02	Sculpin	1	445.00	172.00	30.40	205.00	27.40	147.00	57.00	26.70	75.00
SF-04	Sculpin	1	462.00	564.00	65.70	226.00	50.50	321.00	60.60	54.20	67.00
SF-05	Sculpin	1	688.00	449.00	48.20	309.00	67.10	635.00	92.80	54.70	85.50
SF-06	Sculpin	1	86.50	193.00	29.60	131.00	12.70	75.80	12.30	20.00	28.50
SF-07	Sculpin	1	68.40	115.00	19.60	106.00	11.20	73.40	14.50	17.40	37.10
SF-08	Sculpin	1	77.70	108.00	17.60	113.00	11.60	74.90	15.60	16.30	39.30
SF-09	Sculpin	1	40.90	73.70	13.00	57.80	5.74	40.70	8.48	10.90	20.90

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
SF-10	Sculpin	1	71.80	91.80	15.50	104.00	10.70	66.60	14.60	13.90	29.60
SF-11	Sculpin	1	120.00	110.00	18.50	93.20	14.30	73.40	18.30	14.40	34.90
SF-12	Sculpin	1	40.70	155.00	20.70	199.00	5.73	34.80	7.46	14.80	15.90
SF-13	Sculpin	1	42.70	87.90	10.30	49.40	4.88	46.30	13.20	15.60	22.40
SF-14	Sculpin	1	86.90	136.00	32.60	193.00	14.80	82.30	18.30	22.40	41.90
SF-15	Sculpin	1	68.20	166.00	9.75	49.40	12.00	68.20	12.00	12.00	22.80
SF-16	Sculpin	1	121.00	166.00	33.90	100.00	9.79	58.20	24.10	20.30	34.80
SF-17	Sculpin	1	109.00	169.00	20.80	122.00	13.10	102.00	18.40	20.90	31.60
SR-01	Sculpin	1	38.00	81.80	13.30	67.50	5.36	34.80	7.22	10.80	17.80
SR-02	Sculpin	1	49.00	83.80	14.70	91.10	6.54	36.00	8.85	10.20	15.10
SR-03	Sculpin	1	117.00	153.00	37.40	225.00	17.80	88.40	22.00	21.80	41.10
SR-04	Sculpin	1	32.40	73.80	12.50	55.00	4.58	25.80	5.72	9.30	13.10
SR-05	Sculpin	1	97.30	132.00	25.70	151.00	13.40	78.80	17.00	17.50	32.30
SR-06	Sculpin	1	34.20	67.10	10.70	48.20	3.91	27.40	6.57	8.42	12.90
SR-07	Sculpin	1	42.30	87.00	16.30	72.10	5.26	34.10	7.86	12.40	21.60
SR-08	Sculpin	1	32.40	67.50	12.20	70.40	4.93	31.00	6.60	10.10	16.80
SR-09	Sculpin	1	34.70	81.00	14.60	71.30	5.08	31.10	6.47	10.50	16.90
SR-10	Sculpin	1	54.30	96.60	17.60	84.00	7.20	46.30	10.30	13.50	23.60
SR-11	Sculpin	1	90.80	130.00	26.80	161.00	13.00	66.00	16.20	17.90	34.60
SR-12	Sculpin	1	62.50	112.00	21.60	120.00	8.62	45.80	11.10	14.00	24.00
SR-13	Sculpin	1	50.30	93.60	27.60	118.00	8.12	42.10	9.85	13.70	20.90
SR-14	Sculpin	1	38.00	99.50	20.10	74.10	5.00	30.80	6.81	12.40	15.80
SR-15	Sculpin	1	95.70	107.00	21.60	129.00	12.30	63.10	15.90	13.50	30.60
SR-16	Sculpin	1	40.40	70.80	16.90	72.30	5.91	35.60	8.05	9.81	17.20
SR-17	Sculpin	1	60.80	109.00	20.70	115.00	8.02	49.30	9.45	13.40	24.20
SR-18	Sculpin	1	46.60	99.00	18.80	86.60	6.69	37.60	8.40	11.90	20.40
SUCKER	Largescale Suck	1	450.00	1100.00	274.00	830.00	58.70	368.00	62.40	165.00	144.00
LW3-W3035-NB-C	surface water fro	3	0.18	0.47	0.08	0.17	0.01	0.30	0.05	0.11	0.07
LW3-W3035-NB-F	surface water fro	3	3.11	6.63	0.80	1.27	0.32	2.21	0.30	0.64	1.19
LW3-W3035-NS-C	surface water fro	3	0.17	0.40	0.06	0.14	0.02	0.27	0.05	0.10	0.07
LW3-W3035-NS-F	surface water fro	3	1.88	3.96	0.49	0.84	0.22	1.51	0.20	0.45	0.74
SB-20	Smallmouth Bas	1	88.20	279.00	51.20	173.00	15.40	103.00	19.60	43.90	52.40
SB-21	Smallmouth Bas	1	101.00	258.00	46.20	166.00	14.60	95.60	16.80	36.10	44.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
SB-22	Smallmouth Bas	1	69.20	222.00	46.90	175.00	14.50	72.80	13.30	31.50	36.90
SB-23	Smallmouth Bas	1	58.10	192.00	27.90	100.00	10.60	66.60	11.70	27.70	33.90
SB-24	Smallmouth Bas	1	284.00	702.00	109.00	428.00	37.90	240.00	38.80	87.10	90.20
SB-25	Smallmouth Bas	1	85.80	210.00	40.20	125.00	11.70	76.40	12.80	29.70	41.10
SB-26	Smallmouth Bas	1	106.00	261.00	41.60	205.00	16.00	136.00	24.00	44.40	72.30
SB-27	Smallmouth Bas	1	424.00	582.00	127.00	485.00	58.10	357.00	75.10	90.60	153.00
SB-28	Smallmouth Bas	1	78.20	228.00	42.60	143.00	12.50	86.20	14.60	37.30	45.70
SB-29	Smallmouth Bas	1	101.00	241.00	53.90	121.00	12.20	77.00	17.60	32.80	41.50
SB-30	Smallmouth Bas	1	148.00	420.00	87.40	265.00	23.10	137.00	25.70	60.20	67.60
SB-31	Smallmouth Bas	1	189.00	348.00	71.00	186.00	23.20	131.00	31.70	44.90	65.00
SB-32	Smallmouth Bas	1	93.10	263.00	46.10	161.00	13.70	96.90	16.40	37.90	38.10
SB-33	Smallmouth Bas	1	478.00	1020.00	113.00	191.00	43.20	245.00	45.40	71.80	65.60
SB-34	Smallmouth Bas	1	97.10	277.00	43.60	144.00	13.80	94.40	14.90	37.00	43.10
SB-35	Smallmouth Bas	1	187.00	465.00	66.90	232.00	22.90	185.00	34.40	65.30	67.20
SB-36	Smallmouth Bas	1	193.00	532.00	110.00	348.00	28.60	171.00	30.80	73.00	77.60
SB-37	Smallmouth Bas	1	147.00	315.00	67.60	198.00	19.20	107.00	23.30	38.90	52.20
SB-38	Smallmouth Bas	1	96.20	248.00	55.10	166.00	13.40	70.80	15.20	31.00	31.70
LW3-STW-CW10-WR14	stormwater	3	56.90	0.58	1.14	1.72	0.74	4.52	0.31	1.46	1.89
LW3-STW-CW30-WR14	stormwater	3	6.21	0.93	4.46	3.29	1.08	6.26	1.15	2.21	2.77
LW3-STW-CW40-WR14	stormwater	3	102.00	10.73	12.52	11.88	11.48	57.40	10.14	10.71	10.16
LW3-STW-CW10-OF18	stormwater	3	9570.00	423.00	822.00	1840.00	145.00	8780.00	736.00	1850.00	852.00
LW3-STW-CW10-OF18-2	stormwater	3	1680.00	64.50	196.00	347.00	48.20	869.00	92.70	205.00	169.00
LW3-STW-CW10-OF19	stormwater	3	347.00	1.63	37.50	62.70	1.84	146.00	1.91	38.70	60.50
LW3-STW-CW10-OF19D	stormwater	3	288.00	0.24	30.40	54.00	0.29	131.00	0.31	4.81	61.00
LW3-STW-CW20-OF18	stormwater	3	1140.00	53.00	122.00	201.00	45.40	436.00	48.80	101.00	81.70
LW3-STW-CW30-OF18	stormwater	3	1100.00	48.40	134.00	219.00	2.10	487.00	54.60	113.00	126.00
LW3-STW-CW30-OF19	stormwater	3	653.00	0.58	9.68	178.00	0.74	411.00	41.30	137.00	298.00
LW3-STW-CW40-OF19	stormwater	3	147.00	0.58	2.31	5.95	0.74	68.90	0.79	2.21	31.20
LW3-STW-CW40-OF19D	stormwater	3	155.00	5.74	7.67	26.80	6.19	136.00	5.91	38.10	102.00
LW3-STW-GW10-OF18-2-T	stormwater	3	125.00	3.50	7.67	33.60	4.15	61.50	4.11	7.28	5.05
LW3-STW-GW10-OF18-D	stormwater	3	6.21	1.52	4.46	5.95	3.02	6.26	3.06	4.25	5.05
LW3-STW-GW10-OF18-T	stormwater	3	175.00	1.78	4.66	43.50	1.84	82.60	1.91	4.63	5.05
WLCT4C07OF53070324	stormwater	3	499.00	9.80	50.70	89.20	10.48	305.00	31.80	67.60	79.20

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
WLCT4C07OF53070407	stormwater	3	378.00	3.50	38.00	58.40	4.15	150.00	1.91	31.60	43.20
WLCT4C07OF53070503	stormwater	3	805.00	44.80	5.08	168.00	51.20	610.00	63.90	13.25	166.00
LW3-STW2-CW10-OF49	stormwater	3	27.20	0.10	0.91	2.26	0.14	6.26	0.15	1.08	1.89
LW3-STW-CW10-OF49	stormwater	3	7.25	1.01	1.59	2.35	1.08	28.40	1.15	1.61	1.96
LW3-STW-CW20-OF49	stormwater	3	14.40	1.52	4.46	5.95	1.84	10.34	1.91	4.25	5.05
LW3-STW2-CW10-OF22B	stormwater	3	690.00	79.30	141.00	245.00	0.74	646.00	2.65	171.00	438.00
LW3-STW2-CW20-OF22B	stormwater	3	266.00	0.80	32.10	56.40	0.94	185.00	1.00	61.60	133.00
LW3-STW2-CW20-OF22B-	stormwater	3	310.00	0.16	38.60	74.40	0.22	313.00	35.40	107.00	261.00
LW3-STW-CW10-OF22B	stormwater	3	2010.00	85.40	237.00	491.00	62.50	1950.00	167.00	532.00	783.00
LW3-STW-CW20-OF22B	stormwater	3	2000.00	115.00	310.00	683.00	69.80	2110.00	201.00	580.00	977.00
LW3-STW-GW10-OF22B-D	stormwater	3	6.21	0.58	2.31	3.29	0.74	6.26	0.79	2.21	2.77
LW3-STW-GW10-OF22B-T	stormwater	3	299.00	2.36	34.10	64.80	2.62	164.00	3.06	41.30	79.30
LW3-STW2-CW10-OF22C	stormwater	3	11.65	1.78	4.66	6.23	1.84	10.34	1.91	4.81	5.26
LW3-STW-CW10-OF22C	stormwater	3	9.83	1.52	4.46	4.97	1.84	10.34	1.91	4.25	5.05
LW3-STW-CW10-OF22C-2	stormwater	3	10.82	1.78	4.66	3.43	1.84	6.26	1.91	4.45	5.05
LW3-STW-CW20-OF22C	stormwater	3	9.83	0.58	3.07	4.25	0.74	10.34	1.15	1.46	1.89
LW3-STW-CW20-OF22C-2	stormwater	3	6.78	0.66	1.59	3.43	0.74	6.26	1.15	2.30	2.77
LW3-STW-CW20-WR107	stormwater	3	15.52	1.78	4.66	10.10	1.84	15.33	3.06	7.68	8.19
LW3-STW-CW30-WR107	stormwater	3	37.00	1.52	4.46	4.97	1.84	10.34	1.91	4.25	5.05
LW3-STW-CW40-WR107	stormwater	3	112.00	1.52	4.46	4.97	1.08	51.10	1.91	4.25	5.05
LW3-STW-GW10-WR107-D	stormwater	3	16.81	8.40	10.41	12.55	7.90	10.34	7.34	10.84	10.66
LW3-STW-GW10-WR107-T	stormwater	3	72.80	0.58	4.46	4.97	1.84	36.00	0.79	4.25	41.70
LW3-W3031-NB-C	surface water fro	3	0.17	0.43	0.09	0.17	0.01	0.30	0.04	0.11	0.07
LW3-W3031-NB-F	surface water fro	3	0.22	1.61	0.08	0.42	0.01	1.03	0.06	0.29	0.83
LW3-W3031-NS-C	surface water fro	3	0.18	0.47	0.09	0.24	0.02	0.30	0.10	0.11	0.10
LW3-W3031-NS-F	surface water fro	3	0.15	0.38	0.06	0.10	0.01	0.31	0.09	0.12	0.11
LW3-STW-CW10-WR147	stormwater	3	23000.00	893.00	2550.00	4670.00	509.00	14700.00	2250.00	3680.00	21000.00
LW3-STW-CW20-WR147	stormwater	3	66400.00	2550.00	7920.00	14600.00	1360.00	44800.00	6740.00	11600.00	64200.00
LW3-STW-CW30-WR147	stormwater	3	9240.00	324.00	1090.00	1950.00	213.00	6010.00	1030.00	1530.00	9270.00
LW3-W3036-NB-C	surface water fro	3	0.24	0.47	0.11	0.26	0.01	0.30	0.06	0.11	0.09
LW3-W3036-NB-F	surface water fro	3	0.90	2.19	0.27	0.51	0.10	1.19	0.09	0.13	1.16
LW3-W3036-NS-C	surface water fro	3	0.18	0.49	0.08	0.22	0.02	0.31	0.15	0.14	0.15
LW3-W3036-NS-F	surface water fro	3	0.72	1.43	0.10	0.48	0.02	0.97	0.15	0.13	1.06

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
LW3-STW2-CW10-H30	stormwater	3	137.00	0.37	1.59	38.90	0.43	62.90	0.46	1.51	1.89
LW3-STW2-CW20-H30B	stormwater	3	243.00	0.34	2.40	41.40	0.29	126.00	0.46	37.40	67.70
LW3-STW2-CW30-H30	stormwater	3	117.00	0.33	1.54	2.26	0.29	52.60	0.31	1.46	1.89
LW3-STW2-CW30-H30B	stormwater	3	397.00	1.78	42.60	72.50	1.84	223.00	28.60	73.10	149.00
LW3-STW2-CW40-H30	stormwater	3	355.00	0.13	38.40	61.90	0.17	316.00	42.00	106.00	78.60
LW3-STW2-CW40-H30B	stormwater	3	212.00	0.66	2.40	35.20	0.74	130.00	0.79	41.10	115.00
LW3-STW2-CW50-H30B	stormwater	3	386.00	0.18	38.00	64.10	0.22	179.00	0.31	55.30	90.40
LW3-W3029-NB-C	surface water fro	3	0.19	0.48	0.11	0.26	0.02	0.31	0.11	0.13	0.07
LW3-W3029-NB-F	surface water fro	3	0.59	1.36	0.13	0.32	0.07	0.94	0.13	0.30	0.88
LW3-W3029-NS-C	surface water fro	3	0.18	0.48	0.11	0.26	0.02	0.31	0.15	0.13	0.26
LW3-W3029-NS-F	surface water fro	3	0.67	1.68	0.08	0.40	0.06	0.93	0.10	0.37	0.88
ST03a-Sed01	Sediment	2	16.40	42.40	4.23	7.60	1.69	22.60	2.72	8.84	30.10
ST04a-Sed01	Sediment	2	62.50	160.00	20.60	38.60	7.68	56.90	12.80	46.70	127.00
ST04a-Sed101	Sediment	2	67.00	160.00	21.80	36.10	9.88	54.20	11.70	37.70	118.00
ST04b-Sed01	Sediment	2	18.00	44.40	5.31	9.13	2.08	22.50	3.62	11.90	37.20
ST05a-Sed01	Sediment	2	41.90	112.00	13.60	25.50	5.15	45.90	9.89	31.30	109.00
ST05b-Sed01	Sediment	2	32.90	92.00	10.20	21.80	3.51	79.50	10.40	46.80	166.00
ST07a-Sed01	Sediment	2	7.01	17.90	1.90	3.29	0.83	8.64	1.23	3.16	11.10
ST08a-Sed01	Sediment	2	19.70	49.80	5.50	8.96	2.13	25.40	3.11	9.25	27.70
ST14a-Sed01	Sediment	2	23.50	72.60	8.40	17.00	2.21	48.20	6.47	22.40	66.60
ST15a-Sed01	Sediment	2	8.02	19.90	1.98	3.40	0.88	10.30	1.28	4.03	15.90
ST16a-Sed01	Sediment	2	0.90	2.71	0.70	0.58	0.48	2.95	0.34	1.42	5.96
ST17a-Sed01	Sediment	2	33.40	85.50	9.19	16.00	3.35	29.70	5.56	19.60	61.70
ST18a-Sed01	Sediment	2	73.70	159.00	20.10	26.80	6.91	49.80	7.26	16.30	52.60
ST21a-Sed01	Sediment	2	15.80	39.50	4.59	8.25	1.67	19.60	2.60	8.00	26.70
ST22a-Sed01	Sediment	2	3.02	7.58	0.96	1.46	0.48	4.53	0.56	1.59	5.13
LW3-W3030-NB-C	surface water fro	3	1.02	2.99	0.12	0.27	0.05	1.20	0.37	0.91	0.28
LW3-W3030-NB-F	surface water fro	3	1.17	0.67	0.37	0.71	0.09	2.06	0.18	0.80	2.37
LW3-W3030-NS-C	surface water fro	3	0.19	0.49	0.11	0.25	0.03	0.32	0.06	0.13	0.13
LW3-W3030-NS-F	surface water fro	3	0.94	2.65	0.29	0.24	0.12	4.98	0.35	2.21	4.38
LW3-STW-CW10-OF16	stormwater	3	790.00	34.40	81.80	125.00	31.10	274.00	34.40	63.40	104.00
LW3-STW-CW20-OF16	stormwater	3	1960.00	110.00	220.00	311.00	71.30	711.00	88.40	176.00	258.00
LW3-STW-CW30-OF16	stormwater	3	477.00	4.25	59.70	89.10	4.15	172.00	1.91	5.27	48.10

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
LW3-STW-CW10-OFM1	stormwater	3	40.80	0.45	1.54	2.26	0.54	4.52	0.31	1.46	1.89
LW3-STW-CW10-OFM2	stormwater	3	349.00	1.78	36.50	58.90	4.15	109.00	1.91	4.81	5.05
LW3-STW-CW20-OFM1	stormwater	3	74.60	0.33	1.54	1.95	0.29	42.10	0.46	1.46	1.89
LW3-STW-CW20-OFM1D	stormwater	3	265.00	1.52	44.90	63.70	1.84	53.90	1.91	4.25	5.05
LW3-STW-CW20-OFM2	stormwater	3	29.60	1.78	8.08	10.10	1.84	10.34	1.91	7.68	5.05
LW3-STW-CW30-OFM1	stormwater	3	120.00	1.52	4.46	25.60	1.84	57.60	1.91	4.25	31.10
LW3-STW-CW30-OFM1D	stormwater	3	125.00	0.58	2.31	35.10	0.74	72.70	0.79	2.21	27.70
LW3-STW-CW30-OFM2	stormwater	3	47.90	5.74	8.08	5.95	7.90	10.34	5.91	4.25	5.05
LW3-STW-CW40-OFM2	stormwater	3	93.30	3.50	6.23	8.00	4.15	45.70	3.06	4.25	5.05
LW3-STW-CW40-OFM2-2	stormwater	3	76.70	7.81	11.38	13.43	9.31	32.90	7.34	9.30	10.16
AI_1	Sediment	2	1.70	4.99	0.26	1.24	0.17	2.92	0.16	1.19	3.71
AI_11_C	Sediment	2	0.37	1.01	0.23	0.23	0.17	0.29	0.16	0.32	0.37
AI_13_C	Sediment	2	0.43	7.11	1.13	1.84	0.17	3.83	0.16	1.53	4.33
AI_20_C_GS	Sediment	2	3.01	8.17	1.10	2.03	0.17	4.04	0.16	1.62	4.31
AI_5_C	Sediment	2	2.21	5.62	0.21	1.54	0.17	2.91	0.16	0.36	3.56
CPS_0	Sediment	2	56.50	147.00	19.10	33.10	0.11	95.00	11.80	35.40	119.00
CPS_1	Sediment	2	19.00	50.20	7.11	12.80	2.77	38.80	5.20	14.40	59.40
CPS_3	Sediment	2	0.43	34.30	4.81	8.23	1.28	20.60	3.05	7.86	26.00
CPS_4	Sediment	2	8.32	26.80	3.41	6.99	1.52	19.20	2.37	6.62	26.80
CS-Control	Invertebrate Tiss	1	7.91	36.77	14.35	29.90	15.35	18.90	18.30	21.56	22.31
FLO-Sed	Sediment	2	32.60	78.00	12.90	21.40	5.01	69.80	7.95	22.80	31.38
FLO-Sed-Dupe	Sediment	2	25.00	67.50	9.09	21.04	3.15	42.00	6.89	11.70	13.80
HC_1	Sediment	2	4.04	10.90	1.57	2.89	0.17	6.51	0.70	2.35	6.73
HC_2	Sediment	2	0.54	26.60	3.99	7.17	0.19	25.60	3.98	9.18	26.30
HC_3	Sediment	2	5.47	15.50	2.24	4.16	0.18	8.47	0.16	3.46	9.47
HC_6	Sediment	2	11.70	31.10	3.85	0.27	0.18	21.80	2.98	8.02	31.70
LMCS-A	Sediment	2	125.00	299.00	40.60	67.60	5.01	206.00	26.30	56.80	102.00
LMCS-B	Sediment	2	115.00	310.00	46.40	85.90	5.01	260.00	36.80	108.00	151.00
LMCS-C	Sediment	2	103.00	240.00	34.00	60.70	12.10	143.00	19.40	43.50	91.20
LMCS-Invert	Invertebrate Tiss	1	34.40	164.00	24.10	47.30	15.35	57.50	18.30	21.56	30.10
LMCS-Invert-Time zero	Invertebrate Tiss	1	7.91	45.20	10.19	29.90	15.35	19.60	18.30	21.56	22.31
LMCS-Sed	Sediment	2	151.00	346.00	53.10	80.50	15.10	205.00	26.50	66.60	139.00
LS-A	Sediment	2	158.00	349.00	49.70	82.10	21.60	216.00	26.40	71.80	151.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
LS-B	Sediment	2	164.00	355.00	47.50	82.00	17.30	212.00	25.10	62.10	148.00
LS-C	Sediment	2	242.00	507.00	54.60	110.00	25.10	287.00	35.90	80.90	205.00
LW2-C015-B	sediment	2	1560.00	109.00	192.00	330.00	45.10	906.00	131.00	305.00	1580.00
LW2-C019-C1	sediment	2	1800.00	104.00	217.00	395.00	47.60	1250.00	218.00	445.00	3190.00
LW2-C019-D1	sediment	2	674.00	25.30	80.10	205.00	14.90	611.00	65.10	196.00	153.00
LW2-C020-B	sediment	2	1810.00	94.40	207.00	318.00	57.20	541.00	76.10	153.00	301.00
LW2-C022-B	sediment	2	206.00	11.10	22.60	38.40	7.59	104.00	11.50	33.10	139.00
LW2-C022-C	sediment	2	417.00	23.40	49.70	80.70	14.70	190.00	22.10	61.20	175.00
LW2-C034-B	sediment	2	52.80	1.58	6.02	9.87	0.93	22.50	1.56	7.14	29.00
LW2-C277-B	sediment	2	1370.00	92.70	183.00	264.00	51.50	449.00	58.00	120.00	344.00
LW2-C277-D	sediment	2	2950.00	135.00	338.00	465.00	102.00	947.00	102.00	260.00	1370.00
LW2-C282-A	sediment	2	77.80	1.58	9.63	13.80	0.93	22.10	1.56	5.29	11.50
LW2-C290-B	sediment	2	182.00	8.71	18.30	29.60	6.14	209.00	7.22	31.50	162.00
LW2-C291-A	sediment	2	568.00	36.90	56.20	84.50	20.60	152.00	19.40	41.00	125.00
LW2-C291-B	sediment	2	460.00	31.70	57.20	96.00	17.00	264.00	31.50	82.60	217.00
LW2-C291-C	sediment	2	15400.00	789.00	1660.00	1960.00	676.00	2480.00	317.00	429.00	530.00
LW2-C293-C	sediment	2	5880.00	306.00	651.00	905.00	210.00	2190.00	236.00	666.00	2970.00
LW2-C303-B	sediment	2	665.00	32.90	78.30	120.00	22.00	322.00	35.60	106.00	381.00
LW2-C384-B	sediment	2	60700.00	2890.00	6890.00	8680.00	2160.00	15800.00	2200.00	3540.00	1410.00
LW2-C384-BD	sediment	2	57100.00	2750.00	7790.00	9900.00	2220.00	10700.00	1730.00	2230.00	739.00
LW2-C384-C	sediment	2	643.00	27.10	64.10	87.00	22.80	188.00	25.90	44.70	44.20
LW2-C393-B	sediment	2	2470.00	117.00	297.00	509.00	84.90	1230.00	131.00	346.00	377.00
LW2-C425-B1	sediment	2	738.00	35.30	82.90	113.00	28.50	200.00	26.10	45.80	114.00
LW2-C425-C1	sediment	2	798.00	43.40	93.50	138.00	30.20	247.00	30.50	63.00	130.00
LW2-C425-E1	sediment	2	946.00	48.60	120.00	166.00	36.80	317.00	38.30	76.70	162.00
LW2-C430-A	sediment	2	1470.00	82.80	202.00	323.00	59.50	804.00	84.20	241.00	289.00
LW2-C430-B	sediment	2	1160.00	53.80	147.00	227.00	43.70	441.00	53.80	124.00	377.00
LW2-C430-C	sediment	2	2420.00	115.00	328.00	517.00	101.00	1100.00	124.00	308.00	1060.00
LW2-C430-E	sediment	2	3490.00	164.00	492.00	733.00	151.00	2160.00	190.00	652.00	1770.00
LW2-C524-A	sediment	2	430.00	18.60	48.20	61.10	16.40	115.00	14.20	33.40	142.00
LW2-G006	sediment	2	158.00	7.91	18.20	31.50	6.00	82.90	10.20	26.50	75.70
LW2-G008	sediment	2	144.00	6.43	15.60	27.30	5.03	74.40	8.90	24.50	110.00
LW2-G022	sediment	2	157.00	8.37	17.40	28.70	5.46	86.20	9.00	26.20	80.10

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
LW2-G030	sediment	2	226.00	11.80	24.20	41.00	8.77	112.00	11.80	33.60	89.30
LW2-G260	sediment	2	34.30	1.58	1.65	6.56	0.93	18.60	1.56	6.61	20.00
LW2-G268	sediment	2	1190.00	58.40	129.00	201.00	40.00	528.00	59.90	171.00	325.00
LW2-G282	sediment	2	34600.00	1650.00	3990.00	5130.00	1640.00	5920.00	791.00	922.00	630.00
LW2-G282D	sediment	2	27400.00	1190.00	3460.00	4530.00	1410.00	5120.00	685.00	815.00	667.00
LW2-G295	sediment	2	1660.00	77.10	180.00	243.00	67.60	362.00	47.00	78.90	126.00
LW2-G295D	sediment	2	2130.00	93.10	217.00	283.00	87.40	404.00	51.30	70.20	95.20
LW2-G296	sediment	2	3480.00	152.00	350.00	448.00	136.00	622.00	79.00	123.00	237.00
LW2-G297	sediment	2	685.00	34.80	75.60	107.00	24.40	330.00	34.10	78.50	568.00
LW2-G303	sediment	2	2030.00	92.00	211.00	279.00	79.70	353.00	46.70	62.40	80.10
LW2-G306	sediment	2	71.70	1.58	8.23	12.10	0.93	28.10	1.56	9.10	26.20
LW2-G313	sediment	2	1720.00	88.50	215.00	295.00	66.80	521.00	64.90	136.00	386.00
LW2-G393	sediment	2	#######	11600.00	25100.00	28400.00	9500.00	33400.00	4600.00	5400.00	1640.00
LW2-G425	sediment	2	227.00	13.40	23.40	33.90	8.25	47.50	6.35	13.50	25.40
LW2-G481	sediment	2	117.00	1.58	13.30	21.80	0.93	40.70	1.56	12.70	39.60
LW2-G484	sediment	2	249.00	14.20	26.80	41.20	8.46	59.60	8.74	16.70	50.10
LW2-G487	sediment	2	143.00	1.58	16.60	23.30	5.03	46.50	7.15	15.30	36.70
LW2-G502	sediment	2	663.00	36.20	70.40	93.80	21.60	104.00	14.40	19.90	13.40
LW2-G505	sediment	2	121.00	6.39	17.50	33.50	1.30	49.70	8.18	18.60	24.80
LW2-G507	sediment	2	1030.00	47.80	107.00	130.00	34.20	153.00	22.10	29.00	35.90
LW2-GBT016	sediment	2	92900.00	3790.00	8710.00	10200.00	2940.00	10900.00	1480.00	1540.00	221.00
LW2-T01 SC	tissue	1	620.00	1560.00	119.00	262.00	69.50	445.00	49.20	143.00	157.00
LW2-T01-NOAA SC	tissue	1	220.00	727.00	50.80	156.00	27.60	156.00	20.20	52.70	32.80
LW2-T01-REP1	tissue	1	2520.00	4590.00	458.00	569.00	246.00	704.00	91.50	156.00	45.70
LW2-T01-REP2	tissue	1	359.00	849.00	73.10	149.00	37.90	208.00	22.80	66.80	39.30
LW2-T01-REP3	tissue	1	380.00	845.00	72.00	150.00	38.20	194.00	23.00	64.40	39.40
LW2-T02 SC	tissue	1	210.00	567.00	44.50	135.00	22.70	203.00	21.40	62.80	106.00
LW2-T02-NOAA SC	tissue	1	130.00	354.00	29.50	58.30	14.80	139.00	16.00	38.90	98.00
LW2-T02-REP1	tissue	1	382.00	933.00	73.40	150.00	45.20	318.00	32.30	85.60	92.80
LW2-T02-REP2	tissue	1	479.00	995.00	87.90	145.00	50.80	277.00	31.20	72.50	73.70
LW2-T02-REP3	tissue	1	450.00	1010.00	88.40	175.00	43.00	279.00	30.90	80.10	76.50
LW2-T03 SC	tissue	1	1040.00	2120.00	190.00	333.00	97.10	301.00	45.80	74.20	31.90
LW2-T03-REP1	tissue	1	1730.00	3780.00	326.00	555.00	178.00	535.00	70.80	120.00	40.60

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
LW2-T03-REP2	tissue	1	967.00	2150.00	198.00	355.00	110.00	374.00	45.90	87.80	31.90
LW2-T03-REP3	tissue	1	1190.00	2600.00	249.00	428.00	120.00	476.00	66.80	124.00	65.80
LW2-T04 SC	tissue	1	37.40	132.00	10.40	30.50	4.07	44.80	5.12	15.70	22.60
LW2-T04-REP1	tissue	1	47.10	139.00	11.60	32.10	5.91	43.20	5.03	16.20	21.50
LW2-T04-REP2	tissue	1	87.90	219.00	21.70	45.00	9.24	62.60	8.15	21.40	22.00
LW2-T04-REP3	tissue	1	59.40	165.00	14.60	34.40	6.87	51.60	6.19	17.60	19.60
LW2-W005 C	surface water fro	3	0.05	0.07	0.02	0.02	0.00	0.01	0.01	0.01	0.02
LW2-W005 F	surface water fro	3	0.66	1.35	0.15	0.24	0.05	0.53	0.09	0.20	1.81
LW2-W011 C	surface water fro	3	0.20	0.40	0.06	0.11	0.02	0.11	0.01	0.01	0.05
LW2-W011 F	surface water fro	3	1.45	2.94	0.36	0.53	0.14	1.31	0.14	0.47	1.10
LW2-W013-1 C	surface water fro	3	0.55	1.07	0.14	0.24	0.05	0.16	0.01	0.02	0.03
LW2-W013-1 F	surface water fro	3	31.20	55.30	6.96	9.17	3.02	11.20	1.58	1.90	0.63
LW2-W013-2 C	surface water fro	3	0.26	0.55	0.07	0.13	0.02	0.07	0.01	0.02	0.02
LW2-W013-2 F	surface water fro	3	22.20	39.00	4.68	6.49	2.12	7.86	1.18	1.37	0.63
LW2-W015 C	surface water fro	3	0.19	0.45	0.06	0.11	0.02	0.25	0.02	0.09	0.16
LW2-W015 F	surface water fro	3	3.10	7.71	0.98	1.47	0.27	6.07	0.72	1.76	9.17
LW2-W016 C	surface water fro	3	0.02	0.07	0.01	0.03	0.00	0.01	0.01	0.01	0.03
LW2-W016 F	surface water fro	3	1.39	3.02	0.36	0.52	0.14	1.57	0.29	0.50	1.62
LW2-W018 C	surface water fro	3	0.13	0.30	0.04	0.06	0.01	0.07	0.01	0.01	0.04
LW2-W018 F	surface water fro	3	2.08	4.10	0.47	0.74	0.19	1.55	0.20	0.48	0.80
LW2-W023 C	surface water fro	3	0.02	0.07	0.01	0.02	0.00	0.01	0.01	0.01	0.02
LW2-W023 F	surface water fro	3	5.95	11.00	1.40	1.80	0.53	2.36	0.35	0.55	0.55
LW2-W2005 C	surface water fro	3	0.03	0.07	0.02	0.03	0.01	0.07	0.02	0.04	0.01
LW2-W2005 F	surface water fro	3	1.27	2.61	0.33	0.48	0.12	1.18	0.15	0.39	1.22
LW2-W2011 C	surface water fro	3	0.03	0.07	0.02	0.03	0.01	0.01	0.02	0.03	0.03
LW2-W2011 F	surface water fro	3	1.85	3.78	0.48	0.69	0.16	1.30	0.19	0.40	1.15
LW2-W2013-1 C	surface water fro	3	0.73	1.48	0.20	0.34	0.06	0.12	0.03	0.05	0.02
LW2-W2013-1 F	surface water fro	3	104.00	190.00	21.50	28.40	9.50	32.80	4.91	5.44	1.12
LW2-W2013-2 C	surface water fro	3	0.42	0.85	0.13	0.20	0.03	0.14	0.02	0.05	0.03
LW2-W2013-2 F	surface water fro	3	17.70	29.90	3.30	4.80	1.58	6.08	0.99	1.12	0.81
LW2-W2015 C	surface water fro	3	0.03	0.08	0.08	0.03	0.00	0.11	0.07	0.09	0.03
LW2-W2015 F	surface water fro	3	1.60	3.65	0.50	0.70	0.18	3.42	0.45	0.95	4.01
LW2-W2016 C	surface water fro	3	0.03	0.07	0.02	0.03	0.00	0.08	0.04	0.05	0.03

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
LW2-W2016 F	surface water fro	3	1.00	2.21	0.31	0.47	0.11	1.46	0.27	0.47	1.72
LW2-W2018 C	surface water fro	3	0.34	0.67	0.11	0.17	0.02	0.11	0.01	0.06	0.04
LW2-W2018 F	surface water fro	3	6.59	12.50	1.61	2.45	0.65	3.76	0.54	1.13	1.68
LW2-W2023 C	surface water fro	3	0.03	0.07	0.01	0.02	0.00	0.05	0.03	0.05	0.03
LW2-W2023 F	surface water fro	3	0.37	0.92	0.11	0.22	0.03	0.48	0.09	0.19	0.45
LW2-W3005 C	surface water fro	3	0.17	0.44	0.02	0.05	0.01	0.11	0.03	0.06	0.04
LW2-W3005 F	surface water fro	3	1.60	3.43	0.48	0.71	0.14	1.54	0.31	0.61	1.36
LW2-W3011 C	surface water fro	3	0.17	0.43	0.03	0.05	0.00	0.03	0.01	0.06	0.06
LW2-W3011 F	surface water fro	3	1.48	3.12	0.42	0.67	0.13	1.31	0.20	0.45	1.40
LW2-W3013-1 C	surface water fro	3	1.71	3.52	0.53	0.65	0.11	0.31	0.09	0.11	0.05
LW2-W3013-1 F	surface water fro	3	72.60	137.00	15.80	18.50	5.79	21.40	3.65	3.75	1.86
LW2-W3013-2 C	surface water fro	3	2.15	4.47	0.64	0.86	0.14	0.29	0.07	0.09	0.03
LW2-W3015 C	surface water fro	3	0.07	0.63	0.16	0.05	0.01	0.08	0.02	0.04	0.05
LW2-W3015 F	surface water fro	3	1.95	0.07	0.53	0.80	0.15	3.29	0.36	0.77	6.29
LW2-W3016 C	surface water fro	3	0.28	0.66	0.20	0.05	0.00	0.15	0.15	0.15	0.07
LW2-W3016 F	surface water fro	3	2.64	5.93	0.78	1.10	0.34	4.44	1.15	1.37	7.25
LW2-W3018 C	surface water fro	3	0.33	0.80	0.14	0.05	0.02	0.14	0.02	0.07	0.06
LW2-W3018 F	surface water fro	3	2.56	5.21	0.63	0.94	0.20	1.74	0.30	0.59	1.72
LW2-W3023 C	surface water fro	3	0.13	0.35	0.02	0.04	0.00	0.09	0.03	0.05	0.04
LW2-W3023 F	surface water fro	3	0.76	1.78	0.26	0.45	0.07	0.84	0.14	0.29	0.93
LW3-C600-B	sediment	2	590.00	30.60	67.20	97.30	25.50	251.00	31.70	66.70	140.00
LW3-C600-C	sediment	2	896.00	46.20	110.00	192.00	32.90	760.00	62.10	259.00	803.00
LW3-C600-D	sediment	2	51.00	1.90	5.87	11.40	1.48	50.60	5.01	18.60	53.40
LW3-C601-B1	sediment	2	880.00	40.70	110.00	162.00	34.70	337.00	40.00	92.60	221.00
LW3-C601-B2	sediment	2	654.00	27.90	83.10	118.00	26.40	248.00	31.80	68.30	168.00
LW3-C602-B	sediment	2	217.00	11.50	26.50	42.30	7.69	114.00	12.80	36.70	121.00
LW3-C602-C	sediment	2	864.00	37.80	88.00	133.00	26.80	275.00	35.00	78.70	258.00
LW3-C602-D	sediment	2	1400.00	54.50	160.00	236.00	45.90	456.00	59.80	129.00	464.00
LW3-C604-B	sediment	2	299.00	13.00	37.20	55.10	14.30	113.00	14.20	30.70	97.60
LW3-C604-C	sediment	2	566.00	28.00	61.50	93.80	18.20	242.00	25.80	73.30	254.00
LW3-C604-D	sediment	2	3580.00	217.00	774.00	964.00	141.00	1090.00	160.00	221.00	450.00
LW3-C605-B	sediment	2	156.00	8.17	21.20	34.90	7.49	103.00	9.59	31.60	120.00
LW3-C605-C	sediment	2	225.00	11.90	27.10	46.00	9.06	116.00	13.50	36.90	111.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
LW3-C605-D	sediment	2	1310.00	69.20	147.00	215.00	41.20	371.00	50.60	112.00	424.00
LW3-C606-B	sediment	2	105.00	1.90	10.20	17.80	1.48	41.70	1.89	13.40	37.10
LW3-C606-C	sediment	2	288.00	15.30	34.60	54.00	11.30	116.00	13.80	32.70	106.00
LW3-C608-B	sediment	2	692.00	37.30	79.90	122.00	27.70	275.00	32.80	76.80	302.00
LW3-C608-BD	sediment	2	678.00	33.60	77.50	120.00	24.90	254.00	32.20	72.10	322.00
LW3-C609-B	sediment	2	1120.00	61.20	147.00	214.00	39.50	523.00	54.30	174.00	801.00
LW3-C609-C	sediment	2	5090.00	225.00	542.00	799.00	186.00	4260.00	277.00	1660.00	4540.00
LW3-C609-D	sediment	2	38.30	1.90	5.35	9.10	1.48	71.00	5.00	29.00	84.60
LW3-C664-B	sediment	2	3050.00	145.00	340.00	468.00	106.00	849.00	124.00	212.00	601.00
LW3-C664-C	sediment	2	88.30	3.99	11.10	13.90	3.07	30.80	5.47	9.01	33.00
LW3-C665-B	sediment	2	1520.00	67.80	181.00	253.00	52.50	477.00	64.60	121.00	242.00
LW3-C665-C	sediment	2	1990.00	114.00	225.00	318.00	60.30	639.00	79.90	190.00	1050.00
LW3-C665-D	sediment	2	391.00	23.30	47.80	87.90	11.00	376.00	33.90	141.00	407.00
LW3-C676-B	sediment	2	1370.00	74.00	168.00	257.00	53.90	468.00	59.40	143.00	359.00
LW3-C678-B	sediment	2	1240.00	66.30	135.00	207.00	37.90	410.00	54.40	112.00	255.00
LW3-C678-C	sediment	2	5320.00	359.00	589.00	721.00	197.00	1270.00	185.00	282.00	888.00
LW3-C678-D	sediment	2	998.00	50.70	102.00	218.00	26.60	1250.00	111.00	512.00	1980.00
LW3-C679-B	sediment	2	484.00	28.70	54.50	88.70	17.90	199.00	30.80	59.60	227.00
LW3-C679-C	sediment	2	1290.00	67.60	145.00	215.00	46.50	549.00	99.60	145.00	715.00
LW3-C679-D	sediment	2	2750.00	148.00	302.00	448.00	87.20	990.00	166.00	247.00	1160.00
LW3-C686-B	sediment	2	380.00	20.30	45.90	71.00	12.60	147.00	18.50	43.90	142.00
LW3-C686-C	sediment	2	32.70	3.99	6.24	6.26	2.39	11.50	3.76	7.52	25.90
LW3-C688-B	sediment	2	155.00	7.49	19.20	33.20	5.48	80.60	10.30	25.20	92.50
LW3-C688-C	sediment	2	699.00	34.20	86.20	128.00	25.20	267.00	35.40	69.90	197.00
LW3-C688-D	sediment	2	1630.00	79.70	193.00	267.00	60.90	493.00	64.10	124.00	347.00
LW3-C688-F	sediment	2	1230.00	57.60	146.00	307.00	29.90	3220.00	233.00	1280.00	5110.00
LW3-C690-B	sediment	2	234.00	11.60	26.50	45.40	7.31	164.00	18.60	56.40	130.00
LW3-C690-C	sediment	2	602.00	34.60	65.80	113.00	18.60	355.00	39.00	116.00	251.00
LW3-C690-D	sediment	2	1570.00	79.50	204.00	300.00	57.20	701.00	90.20	190.00	643.00
LW3-C690-E	sediment	2	3650.00	163.00	394.00	634.00	104.00	2150.00	208.00	732.00	3030.00
LW3-C702-B	sediment	2	1900.00	99.40	220.00	305.00	53.00	533.00	63.80	142.00	291.00
LW3-C702-C	sediment	2	2800.00	140.00	307.00	440.00	96.00	858.00	97.70	238.00	583.00
LW3-C702-D	sediment	2	448.00	23.70	52.80	78.10	17.80	172.00	18.90	53.80	178.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
LW3-C703-B	sediment	2	1880.00	93.20	215.00	315.00	65.00	709.00	77.20	222.00	772.00
LW3-C703-C	sediment	2	1380.00	66.70	172.00	249.00	44.50	634.00	66.80	217.00	837.00
LW3-C708-B	sediment	2	45200.00	2330.00	5490.00	7790.00	1400.00	10900.00	1510.00	2780.00	2030.00
LW3-C708-BD	sediment	2	60800.00	2770.00	7350.00	9890.00	1750.00	13000.00	1800.00	3180.00	2100.00
LW3-C708-C	sediment	2	27100.00	1400.00	3030.00	4230.00	900.00	9580.00	1280.00	2600.00	3090.00
LW3-C708-D	sediment	2	1020.00	51.20	111.00	156.00	30.10	263.00	35.00	72.90	223.00
LW3-C712-B	sediment	2	1070.00	56.60	125.00	247.00	23.80	1290.00	113.00	468.00	1770.00
LW3-C712-C	sediment	2	294.00	22.90	36.70	121.00	4.39	1110.00	79.80	450.00	1660.00
LW3-C721-B	sediment	2	270.00	12.40	28.90	47.50	7.52	147.00	15.80	46.60	149.00
LW3-C721-C	sediment	2	1150.00	57.70	133.00	202.00	36.10	346.00	44.20	97.30	348.00
LW3-C721-D	sediment	2	1590.00	86.40	175.00	275.00	42.40	818.00	84.30	262.00	983.00
LW3-C721-E	sediment	2	182.00	13.00	24.80	67.20	3.83	539.00	42.70	221.00	906.00
LW3-C724-B	sediment	2	653.00	35.00	73.90	120.00	19.00	372.00	38.60	129.00	515.00
LW3-C738-B	sediment	2	7710.00	339.00	814.00	1090.00	271.00	1370.00	185.00	254.00	180.00
LW3-C738-C	sediment	2	3400.00	159.00	379.00	517.00	112.00	851.00	101.00	218.00	546.00
LW3-C738-D	sediment	2	26.30	6.74	8.98	6.47	5.14	23.60	5.23	9.27	31.00
LW3-C738-F	sediment	2	2820.00	174.00	312.00	417.00	86.50	871.00	116.00	236.00	856.00
LW3-C739-B	sediment	2	989.00	51.30	120.00	168.00	34.10	236.00	31.10	57.60	132.00
LW3-C739-C	sediment	2	953.00	54.90	129.00	188.00	37.20	246.00	32.00	58.60	138.00
LW3-C739-CD	sediment	2	866.00	45.70	106.00	155.00	31.50	240.00	27.90	60.40	138.00
LW3-C739-D	sediment	2	1070.00	54.80	128.00	189.00	38.10	286.00	39.60	75.00	264.00
LW3-C739-E	sediment	2	9350.00	602.00	1230.00	1740.00	310.00	1650.00	236.00	314.00	266.00
LW3-C747-B	sediment	2	716.00	37.20	105.00	151.00	27.00	177.00	26.40	44.10	142.00
LW3-C747-C	sediment	2	1230.00	54.20	151.00	220.00	46.00	351.00	45.90	83.20	166.00
LW3-C747-E	sediment	2	202.00	11.40	25.40	40.50	7.59	61.70	7.57	14.10	23.30
LW3-C752-B	sediment	2	3450.00	153.00	392.00	570.00	115.00	1070.00	138.00	268.00	554.00
LW3-C752-C	sediment	2	8400.00	442.00	843.00	2000.00	165.00	7240.00	590.00	2210.00	1720.00
LW3-C752-D	sediment	2	2660.00	270.00	325.00	518.00	66.20	1200.00	134.00	349.00	1140.00
LW3-C777-B	sediment	2	59.00	3.99	3.93	6.52	3.07	12.70	2.47	4.90	11.21
LW3-C779-B	sediment	2	849.00	36.30	87.80	147.00	35.20	140.00	21.40	23.40	16.70
LW3-CA01E-C00D	tissue	1	46.30	82.40	60.40	170.00	11.30	34.90	7.12	15.30	20.30
LW3-CA01E-C01	tissue	1	55.80	104.00	75.40	170.00	15.30	43.40	8.80	19.50	25.70
LW3-CA01E-C02	tissue	1	50.40	94.50	59.20	149.00	13.50	38.30	7.37	16.40	21.70

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
LW3-CA02W-C00	tissue	1	47.40	87.40	57.60	140.00	12.90	37.40	7.07	16.20	23.00
LW3-CA02W-C00D	tissue	1	44.20	83.40	63.60	181.00	11.80	36.00	7.25	16.50	24.70
LW3-CA03W-C00	tissue	1	72.60	132.00	91.40	206.00	20.50	53.70	10.90	24.00	33.60
LW3-CA04W-C00	tissue	1	65.40	136.00	72.10	175.00	15.40	55.30	9.83	24.10	38.00
LW3-CA05E-C00	tissue	1	86.10	164.00	97.20	228.00	20.90	151.00	16.80	84.80	71.30
LW3-CA05W-C00	tissue	1	68.70	135.00	74.30	174.00	16.30	51.40	10.00	21.60	36.00
LW3-CA10W-C00	tissue	1	70.50	138.00	82.90	185.00	17.60	50.00	10.30	20.30	21.40
LW3-CA10W-C00D	tissue	1	105.00	205.00	131.00	390.00	26.00	72.60	14.50	27.60	34.90
LW3-CA11E-C00	tissue	1	2210.00	2960.00	1950.00	2820.00	544.00	546.00	126.00	120.00	32.40
LW3-CA11E-C00D	tissue	1	683.00	918.00	733.00	1670.00	241.00	245.00	57.30	53.50	21.50
LW3-CA12E-C00	tissue	1	416.00	753.00	217.00	372.00	59.90	118.00	21.30	31.40	27.40
LW3-CA12E-C00D	tissue	1	144.00	246.00	124.00	207.00	27.70	43.30	9.13	14.40	16.20
LW3-CA12W-C00	tissue	1	37.10	81.40	43.60	107.00	8.61	33.50	7.53	15.00	23.40
LW3-CP0004-C10B	tissue	1	1620.00	4160.00	377.00	934.00	175.00	1000.00	150.00	453.00	508.00
LW3-CP0004-C10F	tissue	1	769.00	2140.00	225.00	553.00	96.00	734.00	102.00	298.00	349.00
LW3-CP0004-C20B	tissue	1	1760.00	4490.00	478.00	1080.00	193.00	1120.00	171.00	620.00	801.00
LW3-CP0004-C20F	tissue	1	1130.00	2900.00	300.00	727.00	125.00	845.00	127.00	403.00	515.00
LW3-CP0004-C30B	tissue	1	2800.00	6250.00	630.00	1250.00	290.00	1410.00	211.00	565.00	609.00
LW3-CP0004-C30F	tissue	1	1490.00	3590.00	356.00	723.00	170.00	992.00	143.00	356.00	380.00
LW3-CP0408-C10B	tissue	1	2440.00	6140.00	532.00	1250.00	247.00	1040.00	199.00	776.00	1150.00
LW3-CP0408-C10F	tissue	1	1610.00	4000.00	420.00	820.00	156.00	1010.00	166.00	545.00	774.00
LW3-CP0408-C20B	tissue	1	4210.00	10100.00	1200.00	1780.00	417.00	1870.00	244.00	872.00	1030.00
LW3-CP0408-C20F	tissue	1	3100.00	6690.00	738.00	1310.00	304.00	1540.00	214.00	647.00	713.00
LW3-CP0408-C30B	tissue	1	#######	#######	42700.00	60700.00	19900.00	48700.00	8400.00	8870.00	1660.00
LW3-CP0408-C30BD	tissue	1	#######	#######	46500.00	66900.00	22200.00	52100.00	8830.00	9650.00	1860.00
LW3-CP0408-C30F	tissue	1	#######	#######	29700.00	42200.00	15900.00	43100.00	5800.00	6290.00	1110.00
LW3-CP0812-C11B	tissue	1	6120.00	13000.00	1320.00	2030.00	476.00	1820.00	265.00	772.00	828.00
LW3-CP0812-C11F	tissue	1	4670.00	8470.00	828.00	1320.00	338.00	1420.00	247.00	525.00	506.00
LW3-CP0812-C12B	tissue	1	4880.00	11000.00	1430.00	2120.00	502.00	2030.00	287.00	793.00	853.00
LW3-CP0812-C12F	tissue	1	3060.00	5940.00	730.00	1210.00	300.00	1500.00	210.00	516.00	496.00
LW3-CP0812-C20B	tissue	1	14400.00	32000.00	2610.00	4350.00	1380.00	4540.00	661.00	1320.00	957.00
LW3-CP0812-C20F	tissue	1	6090.00	11200.00	1500.00	2150.00	676.00	2700.00	364.00	740.00	466.00
LW3-CP0812-C20FD	tissue	1	6810.00	12800.00	1420.00	2300.00	688.00	2800.00	372.00	757.00	477.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
LW3-CP0812-C30B	tissue	1	3630.00	8480.00	983.00	1740.00	468.00	1550.00	273.00	785.00	962.00
LW3-CP0812-C30F	tissue	1	2520.00	5260.00	627.00	1050.00	279.00	1270.00	184.00	500.00	581.00
LW3-CR01E-ALT-C00	tissue	1	50.70	103.00	14.30	12.50	1.95	12.70	5.31	8.02	11.50
LW3-CR01W-C00	tissue	1	56.70	104.00	14.70	11.10	1.73	10.10	6.43	8.52	13.80
LW3-CR05W-C00	tissue	1	44.90	81.50	12.20	9.95	1.29	9.75	5.23	8.18	17.00
LW3-CR06W-C00	tissue	1	926.00	1260.00	185.00	95.10	30.80	102.00	66.60	43.40	29.30
LW3-CR08W-C00	tissue	1	321.00	630.00	79.10	57.90	13.50	88.40	31.20	60.50	288.00
LW3-CR10W-C00	tissue	1	613.00	832.00	139.00	52.20	8.73	60.50	66.70	51.90	68.50
LW3-CR10W-C00D	tissue	1	585.00	788.00	126.00	50.20	8.14	55.10	61.90	48.70	65.60
LW3-CR11E-C01	tissue	1	24200.00	35000.00	4800.00	2320.00	1020.00	2900.00	1000.00	698.00	89.90
LW3-CR11E-C02	tissue	1	22700.00	34000.00	4320.00	1960.00	946.00	2560.00	976.00	618.00	78.80
LW3-CR12E-C00	tissue	1	260.00	420.00	53.00	25.50	7.02	33.30	17.50	18.80	29.40
LW3-CR12W-C00	tissue	1	97.00	186.00	24.20	17.50	2.30	23.10	16.50	16.30	21.70
LW3-G600	sediment	2	205.00	10.60	23.40	39.50	8.00	116.00	12.10	34.50	107.00
LW3-G601	sediment	2	141.00	6.47	15.00	24.10	5.03	66.70	7.08	19.80	63.90
LW3-G602	sediment	2	135.00	7.39	15.10	25.90	5.52	80.90	8.63	26.10	73.60
LW3-G603	sediment	2	122.00	5.53	14.40	24.10	5.53	65.10	2.02	20.60	59.90
LW3-G604	sediment	2	159.00	9.33	17.20	31.70	5.60	83.70	8.86	26.40	78.30
LW3-G605	sediment	2	149.00	6.88	16.30	26.80	4.93	83.90	7.99	28.90	88.10
LW3-G606	sediment	2	85.00	1.43	9.05	16.00	1.40	39.30	5.00	12.90	40.30
LW3-G607	sediment	2	148.00	7.56	15.70	26.40	5.52	66.80	2.12	20.90	62.10
LW3-G608	sediment	2	229.00	10.10	24.30	38.20	8.96	96.40	10.20	29.00	82.80
LW3-G609	sediment	2	1840.00	84.90	197.00	270.00	63.30	871.00	80.70	304.00	1110.00
LW3-G618	sediment	2	343.00	15.30	31.10	50.10	10.80	236.00	22.80	52.70	101.00
LW3-G618D	sediment	2	184.00	7.72	19.00	33.60	2.35	104.00	11.00	34.00	111.00
LW3-G620	sediment	2	134.00	6.51	16.50	28.60	5.43	95.30	9.57	31.10	123.00
LW3-G624	sediment	2	125.00	6.74	14.30	24.80	4.87	69.10	7.95	21.80	61.70
LW3-G629	sediment	2	1320.00	58.10	171.00	245.00	51.40	486.00	61.10	139.00	478.00
LW3-G631	sediment	2	129.00	6.35	14.00	25.20	5.98	79.40	8.46	26.00	88.60
LW3-G633	sediment	2	180.00	8.22	20.80	34.60	7.47	95.60	10.40	32.40	83.50
LW3-G642	sediment	2	37.40	1.43	2.59	5.84	1.24	12.00	1.71	2.44	8.86
LW3-G644	sediment	2	337.00	17.80	38.80	64.50	14.00	326.00	25.20	118.00	291.00
LW3-G646	sediment	2	26.40	0.98	1.78	2.35	0.69	11.80	0.92	2.44	9.37

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
LW3-G664	sediment	2	2450.00	112.00	312.00	443.00	104.00	701.00	87.40	161.00	352.00
LW3-G666	sediment	2	169.00	9.34	16.90	27.40	5.10	65.50	8.33	20.50	73.10
LW3-G667	sediment	2	46.70	0.98	5.06	7.78	0.82	20.80	1.17	6.54	23.20
LW3-G668	sediment	2	138.00	6.41	15.70	22.80	5.03	65.60	8.00	20.40	72.10
LW3-G673	sediment	2	135.00	1.76	14.80	23.30	4.82	65.70	7.13	20.20	62.90
LW3-G676	sediment	2	422.00	21.60	48.40	73.20	16.60	171.00	21.40	44.50	112.00
LW3-G676D	sediment	2	430.00	18.60	49.80	76.60	16.40	156.00	20.70	42.50	120.00
LW3-G677	sediment	2	23.20	0.98	1.78	2.35	0.91	8.01	1.17	2.44	8.34
LW3-G681	sediment	2	158.00	8.28	17.30	27.40	5.71	57.50	7.26	17.40	72.70
LW3-G682	sediment	2	149.00	8.13	14.80	25.40	0.98	67.10	9.13	20.60	51.40
LW3-G686	sediment	2	162.00	6.97	15.50	26.00	5.50	58.60	6.96	16.90	51.40
LW3-G687	sediment	2	172.00	8.94	18.90	31.50	5.62	78.20	10.60	25.00	71.00
LW3-G692-1	sediment	2	293.00	15.10	34.20	56.10	11.50	157.00	18.40	50.20	197.00
LW3-G692-1D	sediment	2	630.00	22.40	66.40	179.00	11.10	979.00	93.50	349.00	346.00
LW3-G692-2	sediment	2	281.00	18.70	32.10	53.00	2.63	154.00	16.70	51.30	136.00
LW3-G692-3	sediment	2	265.00	15.10	29.00	50.00	10.90	131.00	15.70	41.40	123.00
LW3-G729	sediment	2	104.00	5.34	10.50	16.30	1.40	38.90	1.71	12.00	45.90
LW3-G732-1	sediment	2	105.00	5.23	10.20	17.50	0.69	42.20	5.11	13.50	45.00
LW3-G732-2	sediment	2	96.40	5.41	10.10	16.70	0.91	41.80	5.46	13.10	51.00
LW3-G738	sediment	2	6330.00	308.00	811.00	1070.00	261.00	1250.00	167.00	211.00	162.00
LW3-G739	sediment	2	3090.00	134.00	310.00	429.00	106.00	659.00	80.00	139.00	236.00
LW3-G747	sediment	2	218.00	3.65	24.70	38.60	3.03	91.50	4.09	25.50	52.60
LW3-SB010E-C00B	tissue	1	4960.00	8730.00	1110.00	1580.00	444.00	1390.00	261.00	364.00	294.00
LW3-SB010E-C00F	tissue	1	448.00	859.00	92.00	152.00	36.30	157.00	29.50	38.80	50.90
LW3-SB010E-C00FD	tissue	1	446.00	845.00	95.90	151.00	40.20	157.00	32.50	39.60	49.30
LW3-SB010W-C00B	tissue	1	8070.00	16500.00	1770.00	3060.00	832.00	2510.00	476.00	645.00	338.00
LW3-SB010W-C00F	tissue	1	1240.00	2630.00	281.00	402.00	100.00	327.00	73.20	85.00	55.70
LW3-SB011E-C00B	tissue	1	#######	#######	23000.00	29700.00	7060.00	19000.00	4020.00	3970.00	377.00
LW3-SB011E-C00F	tissue	1	19000.00	36200.00	4230.00	5650.00	1510.00	4560.00	973.00	948.00	108.00
LW3-SB011W-C00B	tissue	1	7730.00	15300.00	1410.00	2610.00	584.00	2870.00	517.00	941.00	476.00
LW3-SB011W-C00F	tissue	1	1080.00	2100.00	236.00	434.00	74.30	517.00	99.10	147.00	103.00
LW3-SB02E-C00B	tissue	1	2500.00	5340.00	680.00	1470.00	216.00	935.00	167.00	324.00	228.00
LW3-SB02E-C00F	tissue	1	279.00	549.00	64.60	155.00	25.40	151.00	24.00	48.30	39.10

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
LW3-SB03E-C00B	tissue	1	1400.00	3150.00	342.00	810.00	123.00	664.00	111.00	218.00	187.00
LW3-SB03E-C00F	tissue	1	196.00	439.00	38.00	80.50	15.30	110.00	17.20	34.20	35.00
LW3-SB03W-C00B	tissue	1	1120.00	2430.00	311.00	734.00	107.00	569.00	107.00	204.00	211.00
LW3-SB03W-C00F	tissue	1	106.00	229.00	28.30	73.70	9.92	74.60	12.20	24.90	40.10
LW3-SB04E-C01B	tissue	1	13000.00	32400.00	3690.00	8930.00	911.00	16800.00	2380.00	4380.00	1690.00
LW3-SB04E-C01F	tissue	1	1370.00	3160.00	379.00	908.00	112.00	2030.00	247.00	527.00	347.00
LW3-SB04E-C02B	tissue	1	11600.00	32400.00	3410.00	8810.00	917.00	15600.00	2290.00	4250.00	1730.00
LW3-SB04E-C02F	tissue	1	1450.00	3410.00	385.00	895.00	105.00	1980.00	289.00	532.00	345.00
LW3-SB04W-C00B	tissue	1	1890.00	3960.00	464.00	976.00	160.00	887.00	163.00	291.00	304.00
LW3-SB04W-C00F	tissue	1	201.00	393.00	47.40	112.00	17.90	133.00	20.80	44.00	62.90
LW3-SB05W-C00B	tissue	1	1720.00	3370.00	364.00	816.00	148.00	796.00	132.00	231.00	272.00
LW3-SB05W-C00F	tissue	1	186.00	346.00	40.30	96.60	17.40	107.00	19.90	30.80	47.30
LW3-SB06E-C00B	tissue	1	6260.00	11100.00	1200.00	1860.00	556.00	1860.00	273.00	523.00	354.00
LW3-SB06E-C00BD	tissue	1	6330.00	11400.00	1200.00	1960.00	569.00	1840.00	284.00	537.00	390.00
LW3-SB06E-C00F	tissue	1	668.00	1150.00	123.00	220.00	55.50	243.00	36.50	75.60	73.30
LW3-SB06W-C00B	tissue	1	1680.00	3440.00	404.00	666.00	117.00	637.00	137.00	212.00	256.00
LW3-SB06W-C00F	tissue	1	158.00	311.00	37.40	64.80	13.50	72.30	16.30	24.30	39.70
LW3-SB07E-C00B	tissue	1	32000.00	60700.00	6920.00	8870.00	2120.00	5810.00	1630.00	1950.00	543.00
LW3-SB07E-C00F	tissue	1	2560.00	5080.00	636.00	785.00	165.00	652.00	195.00	221.00	88.60
LW3-SB07W-C00B	tissue	1	3850.00	7840.00	866.00	1500.00	305.00	1500.00	406.00	510.00	792.00
LW3-SB07W-C00F	tissue	1	390.00	805.00	95.00	172.00	31.10	216.00	70.80	77.10	179.00
LW3-SB08E-C00B	tissue	1	3300.00	6230.00	699.00	1220.00	235.00	1300.00	235.00	431.00	423.00
LW3-SB08E-C00F	tissue	1	320.00	648.00	69.60	152.00	23.70	167.00	27.70	54.10	73.70
LW3-SB08W-C00B	tissue	1	3890.00	7450.00	866.00	1410.00	320.00	1380.00	249.00	396.00	409.00
LW3-SB08W-C00F	tissue	1	315.00	641.00	76.40	130.00	25.60	125.00	27.20	42.50	61.50
LW3-SB09E-C00B	tissue	1	3920.00	9060.00	871.00	1510.00	349.00	1350.00	247.00	380.00	294.00
LW3-SB09E-C00F	tissue	1	412.00	932.00	93.30	164.00	34.70	160.00	31.80	49.90	55.10
LW3-SB09W-C00B	tissue	1	5290.00	12100.00	1270.00	2190.00	402.00	2380.00	412.00	971.00	1200.00
LW3-SB09W-C00F	tissue	1	420.00	924.00	102.00	188.00	31.80	264.00	43.00	92.60	185.00
LW3-SP01E-C00	tissue	1	394.00	548.00	61.70	258.00	44.40	255.00	42.50	57.60	95.10
LW3-SP01W-C00	tissue	1	371.00	599.00	78.60	217.00	30.30	181.00	31.50	58.60	68.30
LW3-SP03E-C00	tissue	1	463.00	689.00	84.00	292.00	44.50	317.00	46.00	82.10	108.00
LW3-SP04W-C00	tissue	1	528.00	651.00	71.30	303.00	54.80	347.00	55.10	75.80	117.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
LW3-SP05E-C00	tissue	1	1150.00	2050.00	200.00	615.00	116.00	1540.00	149.00	529.00	526.00
LW3-SP06W-C00	tissue	1	570.00	653.00	74.00	271.00	55.80	329.00	58.80	66.70	128.00
LW3-SP07E-C00	tissue	1	1160.00	1250.00	110.00	486.00	114.00	733.00	120.00	105.00	141.00
LW3-SP07W-C00	tissue	1	490.00	828.00	111.00	295.00	43.90	266.00	48.40	89.40	111.00
LW3-SP08E-C00	tissue	1	3490.00	3880.00	362.00	1120.00	315.00	1400.00	230.00	221.00	166.00
LW3-SP08W-C00	tissue	1	925.00	1860.00	175.00	591.00	100.00	820.00	107.00	251.00	359.00
LW3-SP09W-C00	tissue	1	1060.00	2380.00	208.00	787.00	123.00	1020.00	117.00	283.00	257.00
LW3-SP10E-C00	tissue	1	1200.00	1620.00	178.00	528.00	121.00	464.00	86.80	103.00	111.00
LW3-SP10W-C00	tissue	1	964.00	1850.00	219.00	533.00	95.10	479.00	78.40	134.00	112.00
LW3-SP11E-C00	tissue	1	#######	#######	22100.00	32400.00	11400.00	31300.00	4790.00	5430.00	568.00
LW3-SP12E-C00	tissue	1	2430.00	3900.00	278.00	1220.00	339.00	863.00	121.00	140.00	131.00
LW3-SP12W-ALT-C01	tissue	1	418.00	684.00	40.90	244.00	42.60	328.00	43.40	71.40	101.00
LW3-SP12W-ALT-C02	tissue	1	432.00	726.00	54.80	250.00	44.40	318.00	46.00	71.80	101.00
LW3-STW2-CW10-WR142	stormwater	3	114.00	0.34	2.31	29.70	0.43	80.10	0.46	2.93	45.00
LW3-STW2-CW10-WR4	stormwater	3	2720.00	97.60	264.00	524.00	48.70	1950.00	224.00	449.00	113.00
LW3-STW2-CW30-WR4	stormwater	3	5250.00	191.00	521.00	1050.00	81.70	3810.00	417.00	854.00	227.00
LW3-STW2-CW40-WR142	stormwater	3	98.70	0.37	2.40	3.43	0.43	67.80	0.46	2.30	29.90
LW3-STW-CW10-WR04	stormwater	3	358.00	1.52	41.10	88.60	1.84	260.00	1.91	58.90	30.80
LW3-STW-CW10-WR142	stormwater	3	32.70	1.10	4.46	5.95	1.27	10.34	1.15	4.25	5.05
LW3-STW-CW10-WR384	stormwater	3	558.00	0.66	58.90	105.00	0.74	323.00	31.60	74.10	45.60
LW3-STW-CW20-H30	stormwater	3	232.00	1.63	30.40	48.90	1.08	116.00	1.91	27.50	41.20
LW3-STW-CW20-WR384	stormwater	3	74800.00	8590.00	10400.00	17700.00	3330.00	59700.00	6050.00	12700.00	9550.00
LW3-STW-CW20-WR4	stormwater	3	458.00	4.25	45.10	126.00	4.15	400.00	40.20	94.10	30.30
LW3-STW-CW30-WR384	stormwater	3	35600.00	5310.00	4.80	8680.00	1330.00	27100.00	2540.00	5280.00	3550.00
LW3-STW-CW30-WR4	stormwater	3	928.00	34.00	100.00	232.00	0.43	693.00	75.00	165.00	72.00
LW3-STW-CW40-WR384	stormwater	3	16600.00	1220.00	2290.00	4200.00	598.00	12700.00	1190.00	2430.00	1720.00
LW3-STW-GW10-WR142-D	stormwater	3	6.21	3.50	6.23	8.00	4.15	10.34	3.06	4.25	5.05
LW3-STW-GW10-WR142-T	stormwater	3	32.00	3.50	7.67	5.95	4.15	10.34	4.11	7.28	5.05
LW3-UG02A	sediment	2	37.60	3.40	2.92	5.11	2.63	19.40	3.43	6.01	29.30
LW3-UG02C	sediment	2	30.80	0.98	1.78	2.93	1.40	17.10	1.17	5.99	25.20
LW3-UG02E-1	sediment	2	38.40	1.43	2.59	7.76	2.02	20.60	1.71	7.46	38.20
LW3-UG02E-2	sediment	2	36.20	1.94	3.50	7.27	2.38	18.00	2.64	6.23	32.00
LW3-UG03A-1	sediment	2	26.40	1.43	2.59	6.82	1.40	16.50	1.82	5.24	24.30

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
LW3-UG03A-2	sediment	2	26.20	1.94	2.59	7.24	1.75	17.80	2.31	2.44	22.70
LW3-UG03A-3	sediment	2	11.26	1.94	3.50	6.89	2.02	18.30	2.31	5.78	24.30
LW3-UG03B	sediment	2	11.00	1.94	3.50	2.35	2.38	2.42	2.31	2.44	7.32
LW3-UG04B	sediment	2	19.60	1.43	2.59	2.35	0.98	10.10	1.71	2.44	16.50
LW3-UG06A	sediment	2	17.00	1.43	2.59	2.35	1.54	13.30	1.82	2.44	21.20
LW3-UG06B	sediment	2	30.30	1.43	2.59	6.12	1.40	15.10	1.71	6.15	27.70
LW3-UG11B	sediment	2	18.60	1.43	2.59	2.35	0.52	9.13	1.71	2.44	9.08
LW3-UG12A	sediment	2	28.40	1.43	2.59	8.07	1.40	19.00	1.82	7.13	38.00
LW3-UG12B	sediment	2	40.00	1.43	2.59	7.67	1.24	19.40	1.71	7.08	32.70
LW3-W3005-NB-C	surface water fro	3	0.12	0.38	0.08	0.18	0.01	0.27	0.03	0.10	0.13
LW3-W3005-NB-F	surface water fro	3	1.21	2.89	0.32	0.81	0.02	2.01	0.26	0.66	1.82
LW3-W3005-NS-C	surface water fro	3	0.17	0.28	0.08	0.12	0.02	0.27	0.03	0.10	0.13
LW3-W3005-NS-F	surface water fro	3	1.02	2.35	0.26	0.68	0.12	1.55	0.18	0.50	0.99
LW3-W3011-NB-C	surface water fro	3	0.17	0.48	0.08	0.15	0.02	0.27	0.03	0.11	0.13
LW3-W3011-NB-F	surface water fro	3	1.53	3.50	0.40	0.84	0.18	2.15	0.25	0.58	0.98
LW3-W3011-NS-C	surface water fro	3	0.17	0.43	0.07	0.15	0.01	0.27	0.06	0.11	0.13
LW3-W3011-NS-F	surface water fro	3	0.52	1.28	0.14	0.41	0.02	0.87	0.11	0.27	0.70
LW3-W3023-E-C	surface water fro	3	0.15	0.38	0.06	0.19	0.01	0.27	0.05	0.17	0.13
LW3-W3023-E-F	surface water fro	3	3.27	6.67	0.81	1.29	0.34	2.23	0.27	0.59	0.83
LW3-W3023-M-C	surface water fro	3	0.11	0.38	0.06	0.14	0.01	0.27	0.05	0.13	0.13
LW3-W3023-M-F	surface water fro	3	0.40	1.11	0.10	0.25	0.02	1.14	0.11	0.45	0.58
LW3-W3023-W-C	surface water fro	3	0.15	0.38	0.07	0.18	0.01	0.27	0.05	0.10	0.07
LW3-W3023-W-F	surface water fro	3	0.63	1.72	0.20	0.39	0.02	1.08	0.13	0.35	0.60
LW3-W3024-NB-C	surface water fro	3	0.20	0.38	0.06	0.15	0.00	0.27	0.04	0.10	0.07
LW3-W3024-NB-F	surface water fro	3	0.51	1.39	0.14	0.31	0.06	0.71	0.09	0.23	0.65
LW3-W3024-NS-C	surface water fro	3	0.15	0.38	0.07	0.17	0.01	0.27	0.03	0.08	0.09
LW3-W3024-NS-F	surface water fro	3	0.14	0.40	0.05	0.09	0.01	0.18	0.03	0.07	0.16
LW3-W3025-E-C	surface water fro	3	0.17	0.43	0.06	0.17	0.01	0.21	0.04	0.11	0.07
LW3-W3025-E-F	surface water fro	3	1.17	2.88	0.34	0.61	0.12	2.07	0.21	0.66	0.97
LW3-W3025-M-C	surface water fro	3	0.15	0.38	0.08	0.18	0.01	0.27	0.04	0.11	0.07
LW3-W3025-M-F	surface water fro	3	0.64	1.45	0.17	0.35	0.07	0.84	0.11	0.30	1.03
LW3-W3025-W-C	surface water fro	3	0.23	0.38	0.10	0.18	0.02	0.34	0.04	0.11	0.07
LW3-W3025-W-F	surface water fro	3	0.44	0.96	0.12	0.23	0.05	0.59	0.05	0.23	0.51

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
LW3-W3027-NB-C	surface water fro	3	0.18	0.34	0.08	0.18	0.01	0.30	0.07	0.11	0.09
LW3-W3027-NB-F	surface water fro	3	1.11	2.57	0.30	0.57	0.02	1.30	0.17	0.40	0.91
LW3-W3027-NS-C	surface water fro	3	0.18	0.47	0.06	0.19	0.01	0.30	0.07	0.11	0.09
LW3-W3027-NS-F	surface water fro	3	1.16	2.62	0.31	0.61	0.11	1.57	0.20	0.45	0.87
NCPS_0	Sediment	2	0.54	28.70	4.63	6.86	0.19	16.80	2.35	5.63	22.80
NCPS_1	Sediment	2	0.64	1.34	0.18	0.31	0.17	1.09	0.16	0.36	1.01
NCPS_2	Sediment	2	18.60	45.10	6.87	11.50	0.18	27.70	3.86	10.30	31.00
NCPS_3	Sediment	2	6.92	21.60	3.42	0.30	0.19	11.80	0.20	4.16	10.80
NCPS_4	Sediment	2	3.25	10.30	1.53	2.63	0.17	5.50	0.90	1.97	6.10
PSPS_1	Sediment	2	12.70	35.50	5.23	9.48	0.19	21.40	0.16	7.57	23.70
PSPS_2	Sediment	2	5.21	14.90	1.85	3.62	0.17	8.85	0.16	2.90	8.55
PSPS_3	Sediment	2	0.40	1.01	0.26	0.23	0.17	2.11	0.16	1.13	2.53
PSPS_8	Sediment	2	0.37	2.07	0.21	0.20	0.17	0.46	0.14	0.32	1.42
PSPS_9	Sediment	2	0.43	4.00	0.73	1.07	0.17	0.50	0.17	0.37	3.18
R_CAR_0	Sediment	2	0.37	3.01	0.18	0.20	0.11	1.91	0.14	0.32	2.23
R_CAR_1	Sediment	2	0.37	3.23	0.18	0.20	0.17	0.46	0.43	0.32	0.37
R_CAR_4	Sediment	2	5.73	14.70	2.04	3.92	0.17	0.65	0.16	2.62	6.67
R_CAR_5	Sediment	2	5.46	15.20	2.03	0.27	0.18	10.60	0.20	3.49	0.70
R_CAR_6_C	Sediment	2	0.37	2.66	0.24	0.23	0.17	1.99	0.16	0.36	0.41
R_DAB_0	Sediment	2	0.43	1.49	0.26	0.23	0.17	0.54	0.17	0.36	0.82
R_DAB_1	Sediment	2	4.22	10.90	1.59	0.27	0.17	8.10	0.20	2.77	7.18
R_DAB_2	Sediment	2	0.54	5.70	0.35	1.69	0.17	0.67	0.20	1.68	3.92
R_DAB_5	Sediment	2	0.45	12.90	0.31	2.74	0.17	0.60	0.18	2.99	0.60
R_DAB_7_C	Sediment	2	10.20	25.00	4.05	0.27	0.18	17.30	3.14	6.74	20.70
R_HOL_0	Sediment	2	0.37	2.22	0.49	0.23	0.17	0.46	0.16	0.36	0.37
R_HOL_1	Sediment	2	0.37	1.01	0.23	0.23	0.17	4.53	0.16	2.03	20.60
R_HOL_3	Sediment	2	0.23	1.51	0.21	0.20	0.17	1.40	0.09	0.32	1.14
R_HOL_4	Sediment	2	3.35	8.31	0.31	2.44	0.17	0.67	0.10	0.42	4.51
R_HOL_7	Sediment	2	4.69	11.10	1.68	2.89	0.17	7.28	1.15	2.91	9.43
R_SAM_0	Sediment	2	0.45	1.01	0.31	0.27	0.18	0.57	0.18	0.39	1.30
R_SAM_1	Sediment	2	0.37	4.04	0.72	0.23	0.17	0.46	0.16	0.78	1.68
R_SAM_3	Sediment	2	0.43	1.01	0.27	0.27	0.17	0.54	0.17	0.37	2.13
R_SAM_4	Sediment	2	0.43	1.01	0.26	0.27	0.17	0.46	0.17	0.36	0.41

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
R_SAM_5	Sediment	2	0.48	5.91	0.31	0.27	0.18	0.67	0.20	0.42	1.56
SCPS_1	Sediment	2	10.10	26.60	3.60	5.77	0.29	19.30	2.25	5.94	24.40
SCPS_10_C	Sediment	2	6.68	19.50	2.90	0.30	0.18	14.90	0.14	0.32	18.80
SCPS_2	Sediment	2	0.43	6.79	0.86	0.27	0.17	4.77	0.16	0.36	0.37
SCPS_3	Sediment	2	1.38	1.01	0.24	0.23	0.17	0.46	0.16	0.91	2.45
SCPS_5	Sediment	2	0.54	23.10	3.33	6.17	0.19	19.60	2.69	6.43	49.60
SJF_10_C	Sediment	2	0.37	1.01	0.45	0.54	0.27	0.46	0.28	0.36	0.37
SJF_3	Sediment	2	0.99	2.90	0.33	0.20	0.17	1.49	0.14	0.21	2.39
SJF_9_C	Sediment	2	1.74	4.57	0.73	1.14	0.17	2.30	0.14	0.47	4.70
SJI_0	Sediment	2	0.37	1.01	0.23	0.23	0.17	0.46	0.16	0.36	0.37
SJI_1	Sediment	2	0.55	1.01	0.21	0.23	0.11	0.46	0.14	0.47	0.90
SJI_20_C_GS	Sediment	2	1.21	2.49	0.29	0.27	0.17	0.57	0.18	0.39	0.41
SJI_3	Sediment	2	0.43	1.01	0.26	0.27	0.17	0.97	0.16	0.36	0.37
SJI_8_C	Sediment	2	0.37	1.01	0.37	0.20	0.27	0.91	0.16	0.32	1.07
SPSB_0	Sediment	2	5.85	14.20	0.29	3.41	0.18	7.82	0.18	0.39	8.35
SPSB_1	Sediment	2	2.97	7.82	1.43	0.28	0.17	4.25	0.35	1.98	0.60
SPSB_2	Sediment	2	0.50	10.50	0.33	3.09	0.17	6.72	0.20	2.63	0.60
SPSB_3	Sediment	2	0.70	1.01	0.18	0.56	0.17	1.46	0.14	0.32	0.37
SPSB_8_C	Sediment	2	0.37	1.01	0.18	0.23	0.17	0.46	0.14	0.32	0.63
SS_0	Sediment	2	8.44	43.00	4.49	0.27	0.18	92.70	0.17	35.60	33.80
SS_1	Sediment	2	0.37	1.01	0.18	0.09	0.17	0.46	0.14	0.32	0.37
SS_2	Sediment	2	0.37	7.08	0.18	2.19	0.17	6.18	0.14	0.32	6.30
SS_8_C	Sediment	2	5.24	13.60	1.92	3.97	0.18	0.46	1.14	3.87	12.00
SS_9_C	Sediment	2	6.91	18.60	0.26	0.27	0.19	12.20	1.90	4.29	11.20
UCS-A	Sediment	2	283.00	711.00	98.70	162.00	26.00	400.00	47.50	104.00	79.40
UCS-B	Sediment	2	356.00	948.00	135.00	217.00	34.30	658.00	79.50	161.00	108.00
UCS-C	Sediment	2	310.00	774.00	116.00	185.00	32.00	408.00	54.20	115.00	82.70
UMCS-205-Invert	Invertebrate Tiss	1	23.60	153.00	13.55	47.20	15.35	57.50	18.30	26.80	26.30
UMCS-205-Sed	Sediment	2	225.00	624.00	99.30	201.00	18.90	600.00	7.95	215.00	370.00
UMCS-A	Sediment	2	192.00	576.00	82.90	176.00	12.22	394.00	44.10	123.00	118.00
UMCS-B	Sediment	2	166.00	495.00	68.40	145.00	12.22	426.00	43.30	113.00	135.00
UMCS-C	Sediment	2	191.00	586.00	79.80	164.00	16.90	515.00	55.50	143.00	146.00
US-FLO-Invert	Invertebrate Tiss	1	20.50	162.00	21.80	52.40	15.35	65.70	18.30	29.20	24.50

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
US-FLO-QA-Invert	Invertebrate Tiss	1	18.80	170.00	27.10	57.10	15.35	72.90	18.30	30.20	28.00
WGNM-Invert	Invertebrate Tiss	1	64.20	312.00	49.00	88.80	15.35	78.10	15.90	35.30	27.60
WGNM-Sed	Sediment	2	647.00	1250.00	224.00	297.00	81.90	540.00	84.60	164.00	160.00
WS-IS-A	Sediment	2	929.00	1930.00	227.00	318.00	77.30	740.00	94.50	208.00	242.00
WS-IS-B	Sediment	2	1330.00	3640.00	437.00	753.00	109.00	1420.00	204.00	407.00	215.00
WS-IS-C	Sediment	2	717.00	1550.00	201.00	268.00	65.80	540.00	69.30	134.00	141.00
LW3-STW-CW10-WR22	stormwater	3	1070.00	40.80	112.00	201.00	32.20	597.00	63.60	163.00	416.00
LW3-STW-CW20-WR22	stormwater	3	1420.00	53.30	145.00	239.00	47.80	710.00	84.60	175.00	471.00
LW3-STW-CW30-WR22	stormwater	3	1120.00	49.00	112.00	191.00	44.40	577.00	68.30	161.00	411.00
LW3-STW-GW10-WR22-D	stormwater	3	14.00	5.22	9.85	11.88	7.90	15.33	7.34	9.30	10.16
LW3-STW-GW10-WR22-T	stormwater	3	425.00	3.50	48.10	86.80	6.19	224.00	4.11	58.90	134.00
LW3-W3026-NB-C	surface water fro	3	0.20	0.56	0.10	0.24	0.01	0.33	0.17	0.15	0.11
LW3-W3026-NB-F	surface water fro	3	1.16	2.69	0.32	0.25	0.12	1.84	0.21	0.61	1.02
LW3-W3026-NS-C	surface water fro	3	0.19	0.49	0.10	0.25	0.02	0.31	0.15	0.13	0.16
LW3-W3026-NS-F	surface water fro	3	0.24	2.41	0.09	0.49	0.02	1.57	0.14	0.15	0.83
LW3-W3037-NB-C	surface water fro	3	0.18	0.47	0.11	0.26	0.04	0.31	0.05	0.12	0.09
LW3-W3037-NB-F	surface water fro	3	0.24	2.03	0.10	0.21	0.02	0.38	0.09	0.14	0.66
LW3-W3037-NS-C	surface water fro	3	0.24	0.61	0.07	0.25	0.02	0.30	0.08	0.11	0.08
LW3-W3037-NS-F	surface water fro	3	0.19	0.43	0.06	0.12	0.03	0.18	0.09	0.14	0.09
LW3-STW-CW20-WR161	stormwater	3	9490.00	394.00	768.00	919.00	424.00	1470.00	180.00	252.00	108.00
LW3-STW-CW30-WR161	stormwater	3	4270.00	186.00	392.00	570.00	182.00	1240.00	135.00	302.00	170.00
LW3-STW-CW40-WR161	stormwater	3	2800.00	124.00	267.00	349.00	142.00	635.00	76.30	134.00	60.20
LW3-STW-GW10-WR161-D	stormwater	3	14.00	7.81	11.38	13.43	9.31	18.22	7.34	9.30	10.16
LW3-STW-GW10-WR161-T	stormwater	3	14.00	3.50	7.67	9.59	4.15	15.33	4.11	7.28	8.19
LW3-STW-GW20-WR161-D	stormwater	3	11.65	4.25	8.08	6.23	4.15	10.34	4.11	4.81	5.26
LW3-STW-GW20-WR161-T	stormwater	3	331.00	7.36	37.60	8.42	7.90	33.74	7.34	48.80	41.70
LW3-STW-CW20-WR123	stormwater	3	3750.00	226.00	420.00	711.00	134.00	2390.00	234.00	514.00	624.00
LW3-STW-CW40-WR123	stormwater	3	3150.00	178.00	318.00	498.00	111.00	1290.00	132.00	254.00	210.00
LW3-STW-CW50-WR123	stormwater	3	553.00	1.78	57.30	85.50	1.84	242.00	1.91	49.40	40.00
LW3-STW-GW10-WR123-D	stormwater	3	9.83	4.82	9.85	11.88	5.22	18.22	7.34	9.30	10.16
LW3-STW-GW10-WR123-T	stormwater	3	966.00	37.10	108.00	170.00	34.20	417.00	42.10	82.00	77.00
LW3-STW-CW10-WR67-2	stormwater	3	32.20	3.09	4.46	5.95	3.40	15.33	3.42	5.93	5.05
LW3-STW-CW20-WR67	stormwater	3	12.34	1.78	4.80	6.43	1.84	10.80	1.97	4.96	5.26

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
LW3-STW-CW30-WR67	stormwater	3	27.34	1.78	4.66	6.23	1.84	68.00	1.91	4.81	5.26
LW3-STW-CW40-WR67	stormwater	3	34.40	6.50	10.41	10.10	6.19	15.33	5.91	9.85	10.16
LW3-STW-CW60-WR67	stormwater	3	9.83	5.22	9.85	9.59	3.02	10.34	5.91	9.30	10.16
LW3-STW-CW30-SJB	stormwater	3	1120.00	3.43	131.00	243.00	65.70	789.00	83.20	192.00	242.00
LW3-STW-CW40-SJB	stormwater	3	49.40	3.02	4.66	6.23	3.02	31.00	3.06	4.81	5.26
LW3-STW-CW50-SJB	stormwater	3	318.00	6.50	52.90	85.40	6.19	258.00	5.91	55.30	95.40
LW3-STW-GW10-SJB-D	stormwater	3	27.00	1.52	4.46	4.97	1.84	10.34	1.91	4.25	5.05
LW3-STW-GW10-SJB-T	stormwater	3	271.00	0.58	41.50	49.40	0.74	153.00	0.79	31.70	45.40
WLCT4C07BsnM070324	stormwater	3	1770.00	68.30	168.00	240.00	65.50	679.00	66.70	165.00	303.00
WLCT4C07BsnM070407	stormwater	3	1080.00	50.30	142.00	205.00	34.30	307.00	35.80	76.40	99.80
WLCT4C07BsnM070503	stormwater	3	950.00	3.83	100.00	149.00	44.20	267.00	31.10	7.14	67.40
WLCT4C07BsnQ070324	stormwater	3	874.00	41.70	88.70	144.00	7.90	479.00	70.60	107.00	377.00
WLCT4C07BsnQ070407	stormwater	3	308.00	0.58	26.60	53.50	0.74	156.00	1.91	35.40	30.70
WLCT4C07BsnR070324	stormwater	3	193.00	1.78	4.80	31.50	1.84	105.00	1.97	4.96	5.26
WLCT4C07BsnR070407	stormwater	3	451.00	3.50	43.10	99.40	4.15	332.00	34.90	92.60	53.40
WLCT4C07BsnR070503	stormwater	3	12200.00	543.00	1280.00	2260.00	412.00	13200.00	1310.00	2930.00	2830.00
WLCT4C07BsnL070324	stormwater	3	1400.00	58.20	135.00	202.00	48.50	369.00	44.60	77.90	47.30
WLCT4C07BsnL070503	stormwater	3	1020.00	56.20	114.00	165.00	38.50	332.00	45.70	72.00	59.10
WLCT4C07BsnL070520	stormwater	3	1270.00	71.10	141.00	204.00	40.90	503.00	57.70	110.00	83.30
LW3-W3028-NB-C	surface water fro	3	0.20	0.57	0.11	0.26	0.01	0.32	0.16	0.14	0.11
LW3-W3028-NB-F	surface water fro	3	0.18	0.50	0.06	0.12	0.05	0.38	0.09	0.17	0.08
LW3-W3028-NS-C	surface water fro	3	0.97	2.72	0.11	0.26	0.08	1.25	0.29	0.17	0.29
LW3-W3028-NS-F	surface water fro	3	0.31	3.26	0.11	0.25	0.16	2.17	0.23	0.69	1.04
LW3-STW2-CW20-WR218	stormwater	3	243.00	1.63	28.40	42.10	1.84	105.00	1.91	27.20	47.30
LW3-STW-CW10-WR218	stormwater	3	476.00	26.30	45.10	79.00	1.08	159.00	1.15	33.60	30.10
LW3-STW-CW20-WR218	stormwater	3	197.00	1.78	5.08	33.60	1.89	65.50	2.10	4.96	6.58
LW3-W3038-NB-C	surface water fro	3	0.18	0.47	0.11	0.26	0.01	0.30	0.07	0.11	0.08
LW3-W3038-NB-F	surface water fro	3	0.24	0.49	0.04	0.10	0.01	0.32	0.09	0.14	0.17
LW3-W3038-NS-C	surface water fro	3	0.18	0.47	0.15	0.26	0.01	0.31	0.05	0.12	0.11
LW3-W3038-NS-F	surface water fro	3	0.57	1.50	0.06	0.28	0.02	0.73	0.09	0.12	0.14
WLCT4C07BsnT070324	stormwater	3	619.00	26.80	60.80	110.00	1.84	332.00	35.50	70.50	60.80
WLCT4C07BsnT070407	stormwater	3	218.00	1.52	4.46	33.30	1.84	140.00	1.91	4.25	5.05
WLCT4C07BsnT070503	stormwater	3	2120.00	172.00	256.00	408.00	138.00	1030.00	209.00	200.00	183.00

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
LW3-W3032-NB-C	surface water fro	3	0.18	0.47	0.08	0.15	0.01	0.30	0.07	0.11	0.16
LW3-W3032-NB-F	surface water fro	3	2.45	5.09	0.55	0.97	0.24	1.68	0.22	0.42	0.80
LW3-W3032-NS-C	surface water fro	3	0.18	0.47	0.07	0.14	0.02	0.30	0.04	0.11	0.12
LW3-W3032-NS-F	surface water fro	3	2.85	5.55	0.64	1.08	0.28	1.67	0.22	0.39	0.67
LW3-STW-CW10-OF22	stormwater	3	200.00	0.23	1.54	37.40	0.29	110.00	0.31	33.50	88.30
LW3-STW-CW20-OF22	stormwater	3	532.00	26.80	64.80	108.00	3.02	282.00	31.50	75.20	136.00
LW3-STW-CW20-OF22D	stormwater	3	452.00	1.52	64.90	97.40	1.84	253.00	31.80	63.80	120.00
LW3-STW-CW30-OF22	stormwater	3	165.00	10.00	10.41	35.90	9.31	114.00	7.34	29.30	34.00
LW3-STW-GW10-OF22-D	stormwater	3	14.00	2.73	9.85	9.59	3.02	15.33	3.06	7.28	8.19
LW3-STW-GW10-OF22-T	stormwater	3	1120.00	50.80	119.00	191.00	33.30	486.00	49.40	126.00	135.00
LW3-W3034-NB-C	surface water fro	3	0.13	0.43	0.09	0.21	0.02	0.30	0.05	0.11	0.09
LW3-W3034-NB-F	surface water fro	3	0.76	1.92	0.08	0.47	0.08	1.07	0.14	0.42	0.98
LW3-W3034-NS-C	surface water fro	3	0.17	0.43	0.09	0.30	0.01	0.30	0.06	0.11	0.10
LW3-W3034-NS-F	surface water fro	3	0.68	1.58	0.23	0.19	0.02	1.02	0.14	0.35	0.91
IE1567	Sediment	2	3.26	8.81	1.05	2.49	0.32	6.10	0.93	2.62	6.53
IE1568	Sediment	2	5.22	15.40	1.95	4.36	0.70	13.00	1.67	4.80	12.00
IE1569	Sediment	2	6.01	18.10	2.19	4.95	0.33	13.00	1.73	5.75	13.00
IE1570	Sediment	2	8.46	24.00	2.80	6.05	0.95	12.50	1.64	5.02	11.90
IE1571	Sediment	2	7.38	21.00	2.56	6.49	0.37	14.00	1.97	5.89	16.00
IE1572	Sediment	2	5.76	18.60	2.19	5.45	0.33	14.00	1.92	5.91	15.00
IE1573	Sediment	2	7.23	23.00	2.64	5.92	0.33	15.90	2.11	7.02	21.10
IE1574	Sediment	2	8.79	44.00	4.49	11.00	0.33	47.00	6.03	18.00	39.00
IE1575	Sediment	2	23.00	85.00	2.77	22.00	0.39	87.00	11.00	34.00	14.00
IE1576	Sediment	2	12.00	43.00	4.94	11.00	0.37	33.00	4.68	13.00	11.00
IE1577	Sediment	2	82.00	383.00	39.00	106.00	0.39	505.00	61.00	186.00	124.00
IE1578	Sediment	2	9.90	49.00	5.71	12.90	0.39	40.40	5.00	15.60	5.36
IE1579	Sediment	2	0.95	1.91	0.66	1.96	0.37	6.10	0.34	1.40	4.44
IU4814	Sediment	2	24.90	67.60	8.60	15.30	0.39	33.30	1.49	13.40	17.80
IU4815	Sediment	2	19.90	58.90	2.77	15.10	0.39	31.00	1.24	4.50	16.10
IU4816	Sediment	2	9.22	66.70	7.60	16.90	0.39	34.50	1.95	11.80	46.00
IU4817	Sediment	2	16.80	46.00	2.01	5.03	0.39	12.48	1.49	3.36	7.23
IU4818	Sediment	2	22.80	62.10	8.00	17.00	0.39	32.30	1.80	11.50	22.80
IU4819	Sediment	2	22.80	22.65	2.01	7.16	0.39	36.40	1.80	4.50	5.76

Table G.1: PCB Data Matrix used for Multivariate Analyses (pg/g)

SAMP_ID	Matrix	Matrix_Code	PCB-196	PCB-198	PCB-201	PCB-202	PCB-205	PCB-206	PCB-207	PCB-208	PCB-209
IU4820	Sediment	2	22.10	71.90	8.60	6.49	0.39	44.70	1.80	13.50	12.72
IU4821	Sediment	2	31.80	34.45	2.33	6.26	0.39	23.19	1.24	19.40	30.80
IU4822	Sediment	2	7.32	83.00	3.16	12.37	0.39	23.19	2.04	6.63	11.04
IU4823	Sediment	2	50.00	141.00	3.29	32.40	0.39	81.30	1.95	23.80	8.16
IU4824	Sediment	2	11.20	80.40	2.24	28.10	0.39	23.19	2.04	7.42	12.65
IU4825	Sediment	2	38.20	89.90	3.16	23.90	0.39	45.50	1.95	4.46	26.90
IU4826	Sediment	2	10.02	54.00	4.79	8.72	0.31	12.48	1.95	4.50	13.60
IU4827	Sediment	2	11.20	72.00	3.29	9.35	0.31	43.30	2.04	7.16	20.60
IU4828	Sediment	2	10.42	22.65	3.29	6.66	0.39	19.41	2.04	7.69	8.92
IU4829	Sediment	2	21.10	71.00	3.29	12.95	0.39	38.40	2.04	8.84	12.04
IU4830	Sediment	2	22.40	68.30	3.03	18.80	0.39	36.60	3.01	5.75	16.10
IU4831	Sediment	2	10.42	79.10	2.63	16.30	0.39	12.48	3.01	4.50	18.00
IU4832	Sediment	2	26.70	69.20	10.10	15.10	0.39	30.20	1.95	10.90	7.65
IU4833	Sediment	2	7.32	67.10	9.70	13.50	0.39	16.59	1.49	12.10	11.04
IU4834	Sediment	2	30.00	76.00	2.48	16.70	0.50	12.48	1.95	5.28	23.00
IU4835	Sediment	2	6.51	58.00	2.63	5.03	0.50	45.80	1.95	6.37	29.00

State of Oregon

Department of Environmental Quality

Date: 07 December 2010

To: Joanne Labaw, US EPA

From: Paul Seidel, Oregon DEQ, Cleanup and Emergency Response

Through: Jeff Christensen, Annette Dietz

Subject: Grant Cooperative Agreement: EM-96054601-0 (Task 2): Technical Memorandum: Results of Preliminary Analyses on PCBs and Pesticides, 3rd QTR 2010

INTRODUCTION

This evaluation was performed using data compiled under Task 1 of the cooperative agreement. The purpose of the evaluation was to determine what insights might be gained regarding inter-media relationships for bioaccumulative chemicals and identify data gaps that, if filled, would allow an improved understanding of bioaccumulation that could be used to advance programmatic goals. To accomplish this objective, we performed preliminary evaluations described herein. The focus of the preliminary evaluation was on two key chemical classes that are responsible for most of the human health and ecological risk associated with contaminated sediments in Oregon: polychlorinated biphenyls (PCBs) and organochlorine pesticides (such as DDT). The results of this evaluation were used to identify data gaps for additional data collection proposed for Task 3 of the cooperative agreement.

DATA PRE-PROCESSING

The overall database contains data collected in the Portland metro area and Lower Columbia River between 1982 and 2010. Therefore, it represents a very broad spectrum of area-wide conditions. These available data do not represent a random or unbiased data set, but were collected in specific locations that may generally be considered representative of high-biased or anthropogenically impacted conditions. Additionally, the data are biased toward sediment, are comparatively sparse with respect to aquatic organism tissue, and are biased toward analytical methods that are most commonly used in site investigations. The locations of all the available data are graphically depicted in Figure 1.

The data were pre-screened to ensure the most useful interpretations. For example, sediment data were limited to that collected in the surface, since that is the layer expected to be associated with bioaccumulation into fish tissue. Data collected prior to 1990 were excluded from evaluation. This eliminated a substantial number of non-detected values associated with relatively higher detection limits and older analytical methods, and improved the representativeness for current conditions. In addition, all results used in the evaluation were converted to a consistent set of common units.

The geographic distribution shown in Figure 1 demonstrates that most of the available information is present in two general areas, Coos bay and in the general Portland Metro area and Lower Columbia River. Figures 2 and 3 present greater spatial detail of these two areas.

The remainder of this technical memorandum describes the approaches and data subsets used in this preliminary evaluation. Initially, PCB screening evaluations were performed including data from the spatially-diverse database, looking at Aroclor 1254 in sediment and fish tissue, along with organic carbon content of sediment and lipid content of fish tissue. Then two site-specific screening evaluations were conducted for data from the Columbia River near Bradford Island and the Columbia Slough. At Bradford Island, the initial assessment looked at Aroclor 1254 and then total PCB summed congeners in Bass, sediment and water. In the Columbia Slough, evaluation focused organochlorine pesticides in discrete sediment samples and then pesticides and PCBs in incremental sampling methodology (ISM) sediment samples and Carp (*Cyprinus carpio)*. These initial evaluations are then interpreted and some data gaps are identified.

PCB SCREENING EVALUATIONS

Aroclor 1254 in Sediment

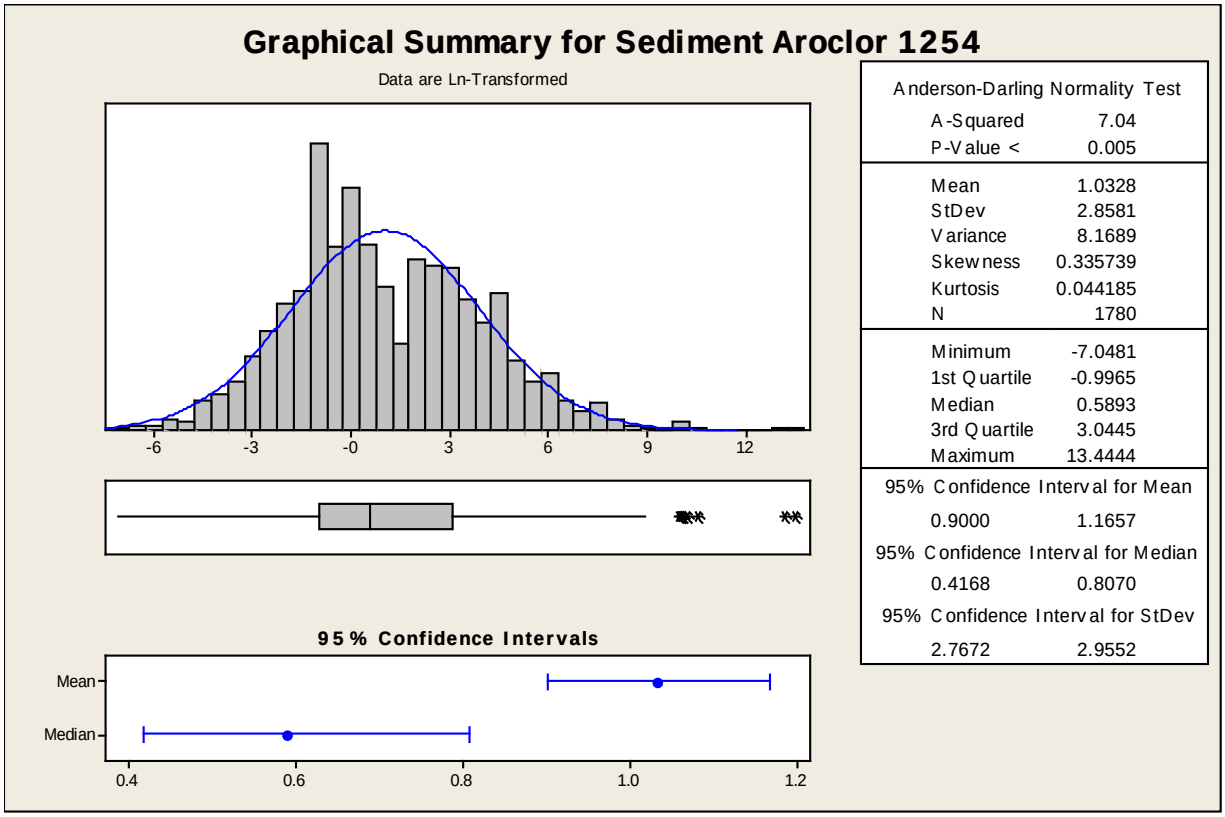
Aroclor 1254 tends to be the most frequently detected PCB analyte in sediments, partly because EPA method 8082 is the most commonly used analysis for PCBs. Some PCB congener data are present in the database. However, for the purposes of this preliminary evaluation a simplifying assumption was made to use Aroclor 1254 as representative of all Aroclors generally.

Starting with a high level overview of the available data, Aroclor 1254 results for the entire pre-screened data set indicate most values in sediment are non-detected, approximately 62% or 1,196 of the analyses. However, many of these non-detects had elevated detection limits, up to 2,200 ug/kg. This may be compared to common reporting limits by EPA method 8082 in the range of 10's of ug/kg. The reason for these elevated detection limits cannot be determined without additional investigation beyond the scope of this preliminary evaluation. However, one common cause of elevated detection limits is sample matrix heterogeneities. Additionally, many of the samples with elevated detection limits tended to be older, generally year 2000 and earlier. Therefore, the data were further screened to eliminate non-detect data with elevated detection limits. This detection limit screening improves the frequency of detection and further improves the "recency" of the data. A cutoff of 50 ug/kg was used based on judgment considering the range of reporting limits in the data set. This screening reduced the data set to 1,780 samples, and eliminated generally older samples collected in the lower Willamette River.

The subsequent data set had 58% non-detects and summary statistics show a mean of 2,000 and a median of 31 ug/kg. U.S. EPA's ProUCL software was used to generate estimated values for non-detects using the regression on order statistics (ROS) method, an imputation method (EPA 2010a). The combined data set of detected and estimated values was then transformed using the natural logarithim. Figure 4 presents a graphical summary after this transformation. The result shows that the distribution is somewhat skewed with a few extreme values, and the data appears to have two modes[1]. This observation may be attributable to the data being from both "clean" and "dirty", cleanup sites, and not representing a single population as would be expected from an unbiased ambient data set. Some of the higher detections in the database are from the forebay of the Bonneville Dam, collected prior to a sediment removal performed there in 2007.

[1] The mode of a distribution is the most frequently occurring value.

Figure 4: Graphical Summary of Aroclor 1254 in Sediment



Summary Statistics on this data set are presented in Table 1, which illustrates that data for Aroclor 1254 are extremely variable. However, the mean concentration may be estimated as approximately 800 ug/kg with the most frequently occurring or median value at approximately 2 ug/kg. The relatively high mean concentration is attributable to the skewed nature of the data set, in which samples from current or former sites with known or suspected contamination add extreme values to the overall database.

Table 1: Summary Statistics of Sediment Aroclor 1254 (ug/kg-dry weight)

N	Mean	Std. Dev	Minimum	Median	Maximum
1,780	847	20,525	0.00087	1.8	690,000

Organic Carbon in Sediment

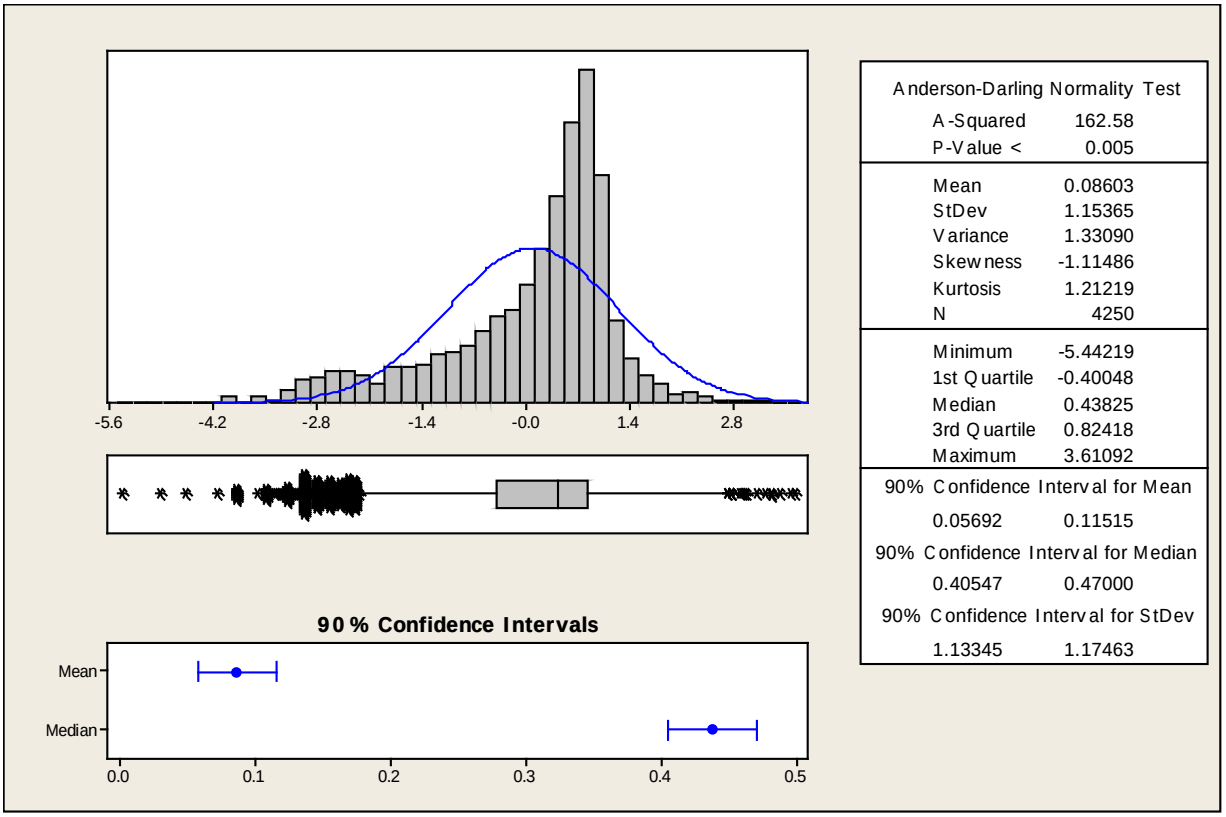
For organic carbon 4,283 values were available in Portland and Coos Bay areas and all were converted to a common unit of percentage. Sixty of these results were reported with a U qualifier as non-detect (i.e., very low organic carbon). For screening purposes, these results were assumed to be present at the detection limit. Summary Statistics are presented in Table 2.

Table 2. Summary Statistics on Sediment Total Organic carbon (percent- dry weight)

Sediment Type	N	Mean	Std. Dev.	Minimum	1st Quartile	Median	3rd Quartile	Maximum
Portland Area (Fresh water)	4,250	1.45	1.9	0.079	0.67	1.6	2.3	37
Coos Bay (Marine water)	33	1.76	1.5	0.0043	0.42	0.99	1.9	6.4

These organic carbon data were not normally distributed, and are clearly skewed. A natural log transformation was not effective in normalizing the distribution of TOC values results for the Northwest Oregon and Portland area are shown in Figure 5. This high variability reflects numerous site-specific conditions. In particular, the very high 37 percent value is taken from the McCormick and Baxter cleanup site, and is not indicative of native conditions. Overall, the results suggest that DEQs default assumption of 1 percent organic carbon is a reasonable central tendency assumption. However, because the results are so variable, this evaluation confirms that site-specific measurements of organic carbon are likely to be a worthwhile measurement to improve reliability of site-specific biota-sediment accumulation factor (BSAF) estimates.

Figure 5: Graphical Summary of Organic Carbon in Northwest Oregon after Ln-transformation.



Aroclor 1254 in Tissue

Tissue data were screened in similar manner to that in sediment. Only Aroclor 1254 analyses were considered and only data more recent than 1990 were included, field duplicates were also excluded and tissue types were limited to fish and clams. This screening resulted in 485 individual Aroclor 1254 analyses, performed in several fish species, both whole body and fillet. Other species including invertebrates, clams and *Lumbriculus* worms occur in the Portland area data set.

For most aquatic species, Aroclor 1254 is most frequently non-detected or below the reporting limit. For those species where it was detected, summaries are presented in Table 3, using the simplifying assumption that when non-detected, Aroclor 1254 was present at the detection limit.

Table 3. Summary statistics of Aroclor 1254 by species (ug/kg- wet weight)

Species and Tissue Type [a]	N	Mean	Std. Dev	Minimum	1st Quartile	Median	3rd Quartile	Maximum
Carp-Whole Body	57	295.4	677.3	1.7	123	171.2	282.6	5,200
Chinook Salmon	22	31.83	18.7	0.02	20.8	33.9	42.4	78
Clam (*Corbiucula spp.*)	123	61.53	105.41	0.01	13	30	43.5	604
Small Mouth bass-Whole Body	28	313.5	464.6	17	46.3	130	412.5	2,200
White Sturgeon	2	40.7	44.3	9.3	NA	40.6	NA	72

a – As reported from original data source.

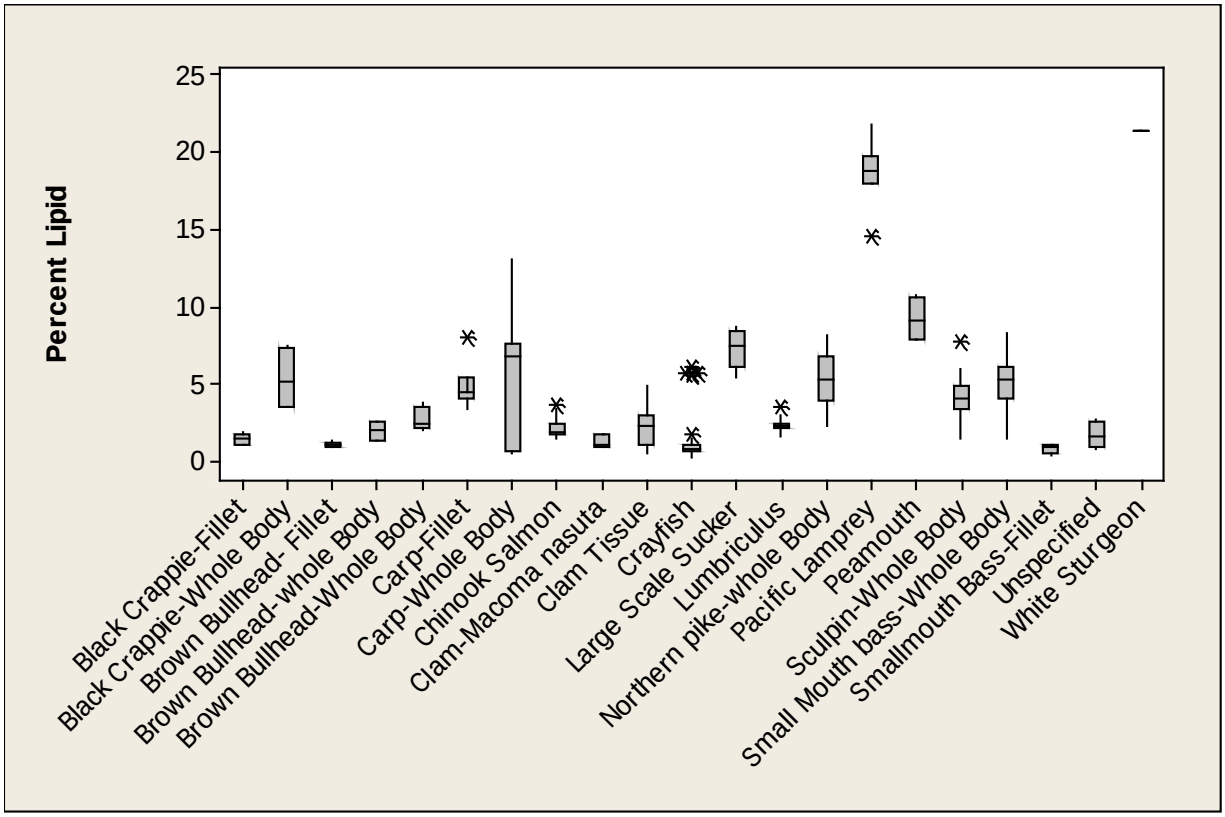
Lipid in Tissue

Lipid data was available for a broader group of fish species. These differences in percent lipid are presented in Table 4 and graphically depicted in Figure 6.

Table 4. Lipid by Species (as fraction)

Species and Tissue Type	N	Mean	Minimum	1rst Quartile	Median	3rd Quartile	Maximum
Black Crappie-Whole Body	4	0.053	0.035	0.0355	0.051	0.0725	0.075
Brown Bullhead- Fillet	6	0.0107	0.0093	0.00952	0.0103	0.0122	0.013
Brown Bullhead-Whole Body	6	0.024	0.013	0.018	0.0235	0.029	0.038
Carp-Fillet	6	0.0483	0.034	0.0407	0.044	0.0537	0.08
Carp-Whole Body	57	0.0546	0.0051	0.0066	0.067	0.075	0.13
Chinook Salmon	22	0.021	0.015	0.0167	0.018	0.024	0.036
Clam (*Corbiucula spp.*)	123	0.0214	0.0053	0.011	0.023	0.03	0.049
Crayfish	66	0.0112	0.0016	0.0061	0.0076	0.01	0.061
Large Scale Sucker	5	0.0732	0.054	0.0615	0.075	0.084	0.087
Northern pike-whole Body	6	0.052	0.023	0.0387	0.052	0.067	0.081
Sculpin-Whole Body	61	0.0405	0.015	0.0337	0.041	0.048	0.076
Small Mouth bass-Whole Body	28	0.049	0.015	0.041	0.052	0.061	0.082
Smallmouth Bass-Fillet	5	0.008	0.0032	0.0056	0.009	0.01	0.011
White Sturgeon	2	0.214	0.214	NA	0.214	NA	0.214

Figure 6. Boxplots of Percent Lipid by Species.



Inferred Biota-Sediment Relationships for Aroclor 1254

As an exploratory screening level evaluation, DEQ performed an overall comparison of Aroclor 1254 in sediment to Aroclor 1254 in tissue, using the data sets summarized above, and compared these results to default values in DEQ guidance (DEQ 2007) and to BSAF estimates available in EPAs BSAF database (EPA 2010b). Using the assumption that all sediment can be used to correspond to all tissue in the database as a total overall and region-wide data aggregation, estimates of BSAF were calculated. While this region-wide "roll-up" is not realistic or appropriate to evaluate any specific site, it was done for illustrative purposes to consider the range of values that might be estimated and for comparison to other available information (data not presented).

BSAFs estimated in this manner vary from 7 to 35, depending on species. DEQ's default BSAF value for PCBs as Aroclor is 3.96 with individual congener values ranging from 0.59 to 4.1 (DEQ 2007). U.S. EPA (2010b) also provides BSAF estimates in the same range as the DEQ default estimates (Table 5). This simple comparison supports the concept that use of spatially co-located sediment and tissue is necessary to get reasonable estimates of uptake factors.

Total PCB BSAFs were extracted from U.S. EPA's BSAF database for whole body freshwater samples (U.S. EPA 2010b). The results are shown by species in Table 5. Notably the median and mean estimates for Carp are 1.4 and 2.4, respectively, and are somewhat lower than Bass, which are higher trophic level predators and show more variation.

Table 5. Total PCB BSAFs derived from USEPA 2010.[a]

Species and Tissue Type	N	Mean	Std. Dev	Minimum	1rst Quartile	Median	3rd Quartile	Maximum
Common Carp	19	2.4	2.7	0.256	0.57	1.36	3.74	10.9
Smallmouth Bass	20	4.9	5.4	0.11	1.2	3.4	6.0	20.4
Crayfish	4	2.0	2.2	0.55	0.57	1.12	4.3	5.17
Largemouth Bass	31	7.1	7.15	0.1	2.07	4.4	9.3	33.4
Brown Bullhead	8	5	4.9	0.08	1.3	3.73	9.0	14.3
Brown Trout	6	5.1	3.5	2.0	2.6	3.4	8.7	10.8
Lake Trout	6	4.61	1.6	2.5	3.2	4.7	5.9	6.7

a) Whole Body Only

Interpretation of Aroclor Evaluation

Tissue data are much more sparse in the available database than sediment data. This is related to the fact that tissue data are not usually collected unless and until there is a known contamination problem of some significance. Sediment data are collected in many cases where contamination is suspected but may not be present to a significant degree. Therefore, the resulting overall database reflects sediment data with relatively lower concentration and tissue data with relatively higher levels. Pairing the resulting data together would result in ratios between the two media that would overestimate actual accumulation. This point also illustrates the importance of using site-specific data and the importance of spatially related data when evaluating bioaccumulation.

Overall, the preliminary evaluations are consistent with the concept that PCB accumulation is highly dependent on fish species, feeding habits, trophic level, percent lipid, organic carbon, and other site-specific considerations. Because of these site-specific factors, it is difficult to propose a single numerical estimate of uptake that will be accurate for most sites. However, we believe it is reasonable to make

some inferences with respect to the most important factors, develop uptakes factors that will be protective and allow for more detailed investigation where appropriate.

SITE-SPECIFIC SCREENING EVALUATIONS

Because the accumulation of organic contaminants is a site-specific phenomenon, and due to the substantial proportion of non-detections by the Aroclor method 8082 in both sediment and fish tissue, further consideration of the database focused on two specific locations where the greatest density of co-located sediment and tissue data are available, as well as other data types that could help inform bioaccumulation decision-making at cleanup sites in Oregon. These two locations are in the vicinity of Bradford Island and the Columbia Slough, both on the Columbia River. Additional data from the lower Willamette River are available for PCB congeners in sediment and tissue. However, the Bradford Island and Columba Slough locations are also known to have spatially related surface water data. For this reason and to focus the scope of work for these preliminary evaluations, these two locations were selected for more in-depth review.

Bradford Island PCB Site

The Bradford Island Cleanup site (ECSI # 2010) represents a spatially distinct location where a significant data collection effort has occurred since 2007, and generally spatially co-located PCB data are available in fish tissue and sediment. Therefore, a preliminary evaluation of the Aroclor 1254 and PCB congener data at this site was performed to determine if any inter-media relationships might exist. The basic study design in this investigation, as documented in the administrative record for the site, was to collect co-located sediment and tissue along with high-volume water sampling at 5 distinct water locations. Water samples were not co-located with sediment sampling locations in a one to one correspondence. Five water samples were collected associated with 18 sediment locations in affected area of the Bonneville Dam Forebay. DEQ made some assumptions about which sediment locations could be associated with the nearest water sampling location, based on visual inspection of maps. The available sediment samples are generally co-located with fish tissue, although this correspondence is not precise due to the foraging range of Smallmouth Bass. Smallmouth Bass were selected as a relatively small home range species that represent a higher trophic level, and hence more potential for bioaccumulation through dietary exposure.

<u>Aroclor 1254</u>

Because Aroclor 1254 was not frequently detected in sediment, the evaluation was limited to six detected sediment samples with generally co-located Smallmouth Bass and water samples. A simple correlation matrix on these six samples shows that sediment and Smallmouth Bass were not correlated for Aroclor 1254, but that sediment and water do appear to be correlated. Pearsons R correlation

coefficients for the detected values are shown in Table 6. While the results in Table 6 suggests that there may not be relationships between fish tissue and other media, the interpretation is complicated by the lack of a one-to-one spatial correspondence, the relative infrequency of Aroclor detections resulting in a small sample size, and possibly the change in congener patterns in the different media.

Table 6. Intermedia Correlation Coefficients of Aroclor 1254.

Matrix Combination	Correlation Coefficient	P-Value
Sediment- Water	0.991	<0.001
Sediment-Smallmouth Bass	0.165	0.724
Smallmouth Bass -Water	0.121	0.796

Total PCB by Summed Congeners

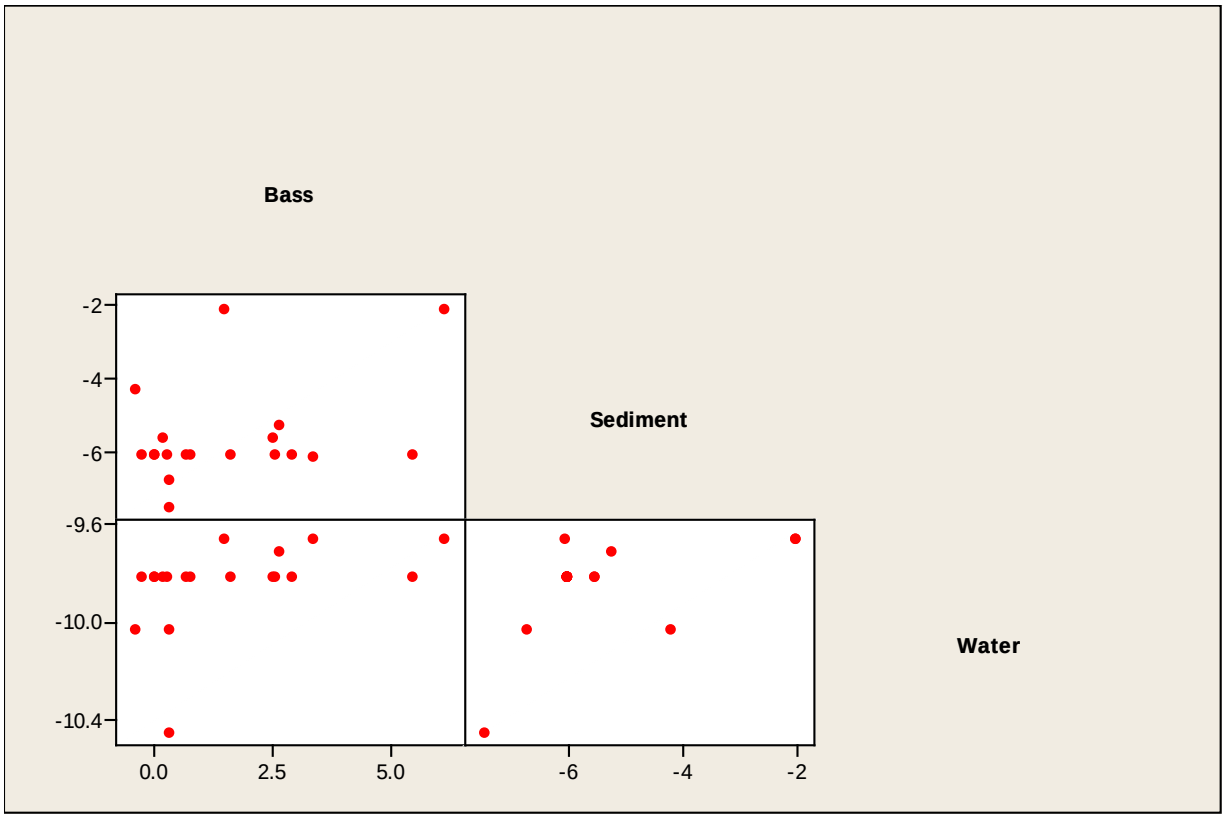
Because the data collected at Bradford Island investigation also included PCB congeners by EPA method 1668A, which resulted in an increased detection frequency, the same evaluation was repeated for total PCBs estimated by calculating the sum of PCB congeners in each media. This resulted in a much better detection frequency and spatial correspondence between samples. When non-detected values occurred, the non-detected congener was assumed not present (i.e. zero) for the summation.

Table 7 presents the correlation coefficients for total PCBs calculated from PCB congener data in each on the three media evaluated. These correlation correspond the data shown in Figure 7, and plotted in 3-dimensions in Figure 8.

Table 7. Total PCB Correlation matrix (summed congeners)

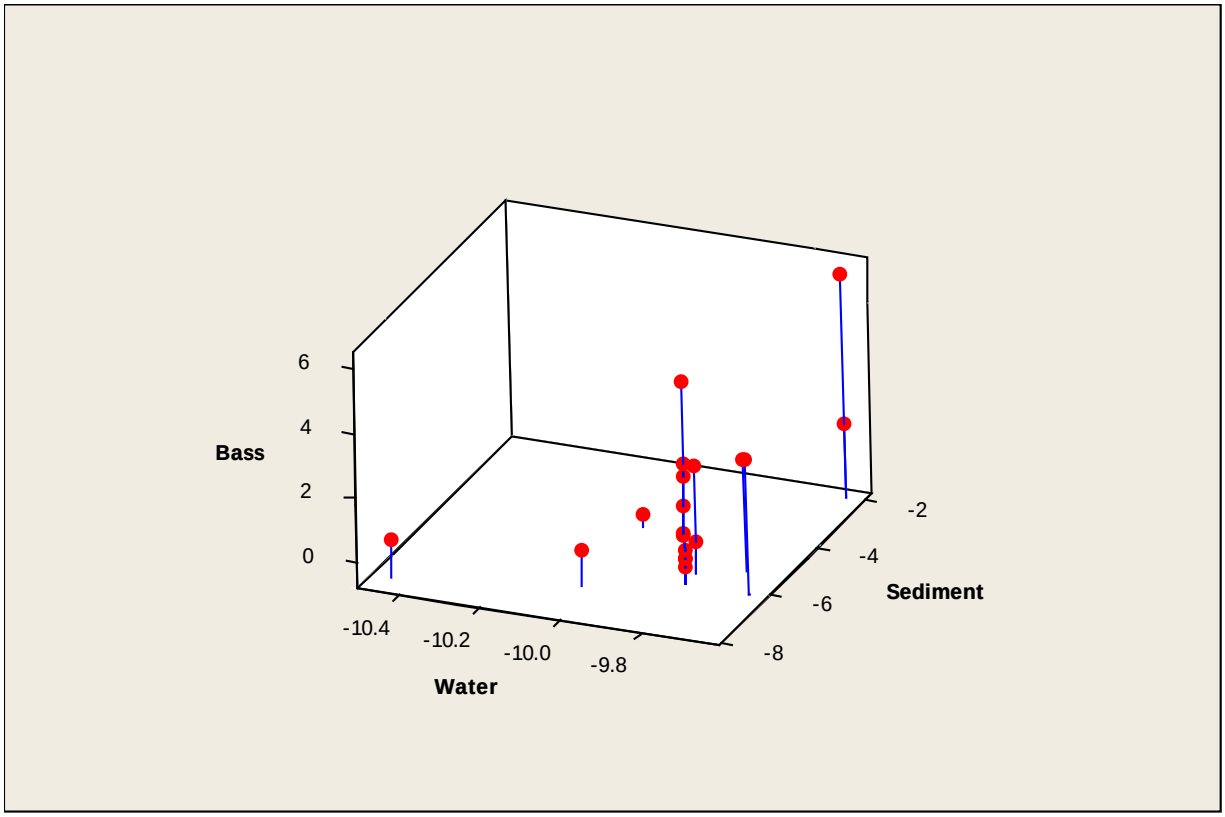
Matrix Combination	Correlation Coefficient	P-Value
Sediment- Water	0.51	0.026
Sediment-Smallmouth Bass	0.368	0.12
Smallmouth Bass -Water	0.426	0.069

Figure 7: Matrix plot of Total PCBs in Bass, Sediment and Water.



Overall, the interpretation is similar for both Aroclors by method 8082 and total PCBs estimated from congener analysis by Method 1668A. That is, there appears to be a possible correlation between sediment and water samples, but poor or no correlation between sediment alone and Smallmouth Bass. However, there is possibly a better relationship between Bass and water. When all three variables are visualized together, the resulting graphic (Figure 8) appears to indicate a possible relationship between increasing water and sediment congener concentrations and Bass tissue congener concentrations.

Figure 8: 3-D Scatterplot of Total PCBs in Bass, Sediment and Water



There are several limitations with this preliminary evaluation. Because there was not a one-to-one spatial correspondence between sediment, water and bass, samples had to be associated based on visual examination of maps, and the presence of few water samples meant that a water sample was assigned to more than a single tissue an sediment sample combination. In cases where there were two nearby sediment sample to a Bass sample location, an average between the two was taken. Finally, because Bass move with their home range they may not have a strong spatial relationship to any single discrete sediment sampling location. Nevertheless, even with these limitations, the preliminary evaluation suggests that using these three media in combination may be a productive approach for empirically modeling from tissue to water and sediments.

Columbia Slough

The other site where a significant density of data in multiple media exits is the Columbia Slough. Throughout the Slough semi-permeable membrane devices (SPMDs) have been deployed and measured

for a variety of analytes, including pesticides (MaCarthy 2008). This data is included in the DEQ database. One notable difference with SPMDs relative to high-volume samplers is that the result is given in mass of contaminant per device (i.e., ng/SPMD), rather than the more common and familiar mass per volume of water. When considering intermedia relationships, this is no difficulty and units of mass per device can be used without modification. The fish tissue data were available from the City of Portland 2005 sampling event (GeoSyntec and BES 2007) and sediment data is available from several different investigations in recent years.

Organochlorine Pesticides in Discrete Sediment Samples

In the Columbia Slough, Aroclor and PCB congener data were not available in all three media. However, the organochlorine pesticides DDT, DDE and DDD were consistently available, so these analytes were the focus of the preliminary evaluation in this area. The initial task for this evaluation was the spatial aggregation of sediment, fish tissue and SPMD data. To complete this task, the SPMD sampling locations were identified as central point. A one mile radius from the SPMD location was created as a GIS polygon and all sediment and fish samples collected within that radius were assigned to that location. Analytes included the pesticides as well as percent lipid in the fish and organic carbon in the sediment. Median concentrations of all analytes were calculated and assigned to each of the locations represented by the SPMD deployment locations. Maps showing these locations for data aggregation are presented in Appendix A, Figures 1-10).

Most of these data were detections; the frequency of non-detects was low with the exception of 4,4'-DDT. Because the non-detected values were very few and primarily DDT results, it was assumed for the purposes of this preliminary screening evaluation that the reporting limits were actual detections.

The one exception to this was sediment collected in the location represented by SPMD sample SJB. In this reach, the study with the most data also had elevated detection limits. The City of Portland 2006 sediment study showed the occurrence of DDT in sediment in this reach was below 1 ug/kg, but few data were available. Therefore, DDT was not included for this reach, but DDE and DDD were evaluated and non-detected values were estimated using ProUCL (EPA 2010a).

Figure 9 presents a plot of the median values in sediment against the associated Carp whole body results. Carp is the only species in the Columbia Slough that were collected and have available data. These values are Ln-transformed to address extreme values. The result shows that the main differences in Carp concentrations are attributable to chemical class, and that on average, there does not appear to be a relationship between sediment concentration and concentration in carp tissue. The correlation associated with Figure 9 is 0.51, with a p-value of 0.01 which indicates a significant correlation. However, the color coding by analyte shows that this is entirely attributable to the analyte, not the

concentration. Addition of water data does not appear to help the situation appreciably, as shown in Figure 10.

Figure 9: Scatter Plot of DDx Pesticides in Sediment vs. Carp.

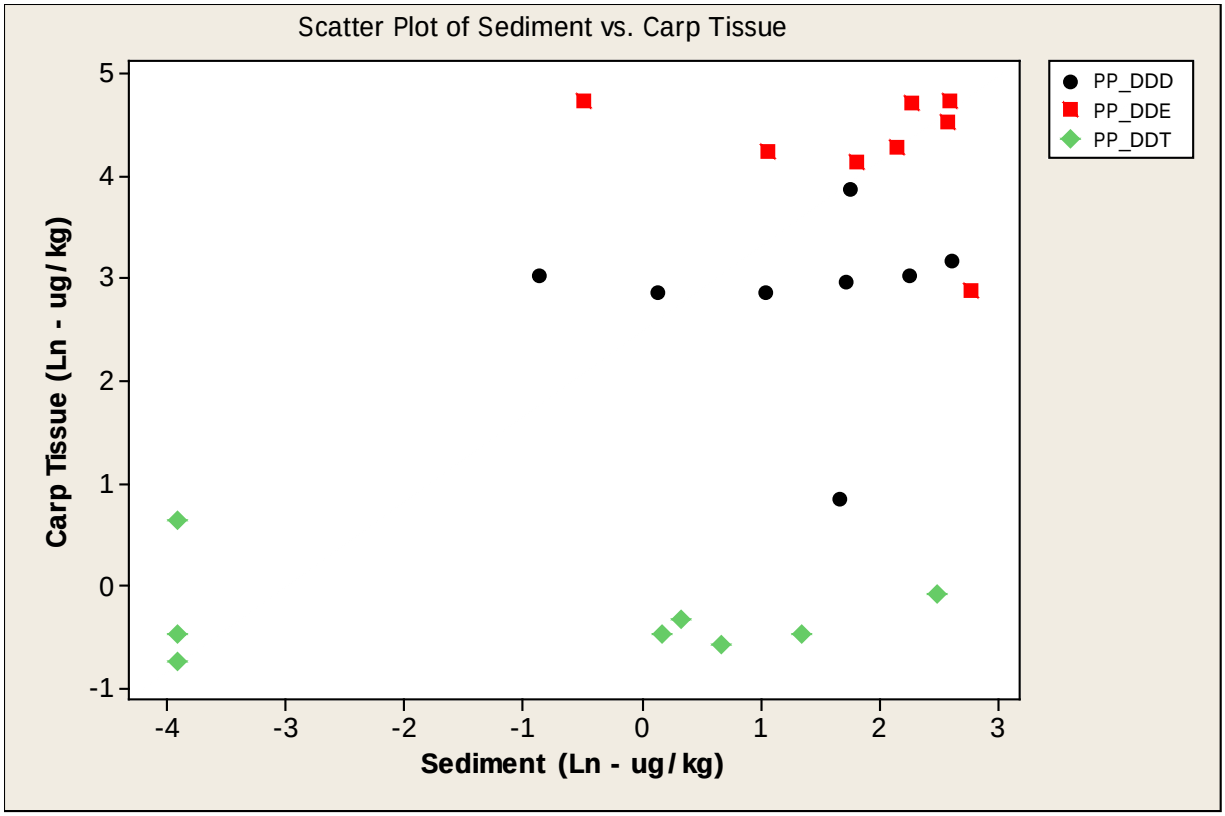
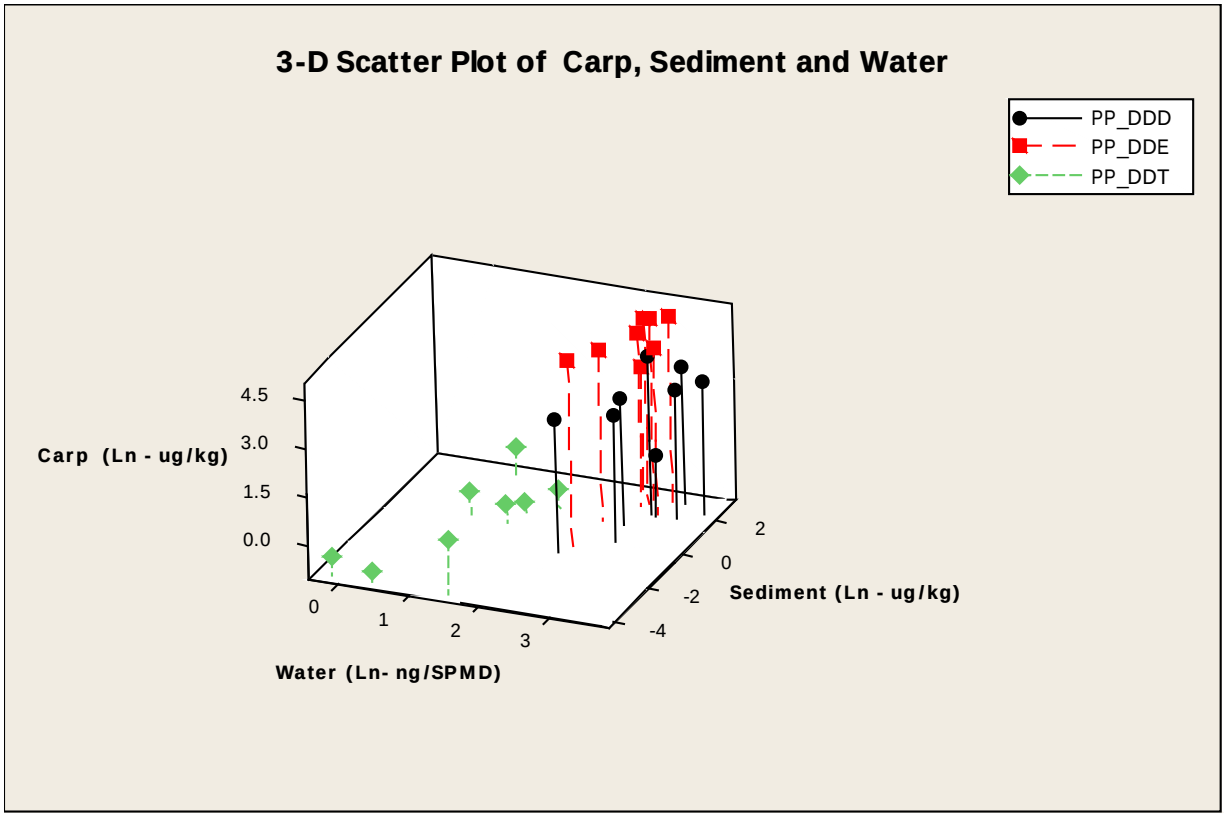


Figure 10: 3-D Scatter Plot of DDx in Carp, Sediment and Water



Using the median sediment and tissue data, along with associated organic carbon and fish lipid data to calculate inferred BSAFs for DDE and DDD with these data results in the summary shown in Table 8.

Table 8. Summary Statistics of inferred BSAFs for Carp.

	N	Mean	Median
DDE	8	4.85	4.24
DDD	8	2.2	1.78

By comparison, BSAF default non-species-specific estimates used in DEQ's guidance for DDE and DDD are 28 and 24, respectively. For Carp, the values in U.S. EPAs database are lower, in the range of 0.4 to 4.1 for DDD and 0.9 to 4.2 for DDE, which are more comparable to those shown in Table 8. Based on these comparisons, BSAF estimates in DEQ guidance represent the high end of bioaccumulation potential for these pesticides. This interpretation is consistent with the fact that 75th percentile values were selected for guidance, while the medians in Table 8 represent the 50th percentile.

BSAFs are dependent on species evaluated, so the higher end of the range of BSAF estimates may be more relevant for higher trophic level species, such as Bass.

Pesticides and PCBs in ISM Sediment Samples

One additional sediment data set of interest in the Columba slough, is data collected in a segment of the lower slough in 2009 using incremental sampling methodology (ISM). The sampling is described in detail in the DEQ quality assurance project plan (DEQ 2009).

DEQ considered all analytes in common between the fish sampling and ISM sediment and regressed median concentrations of all analytes in sediment against median analyte concentrations in Carp. Sediment and tissue concentrations were normalized against fraction of organic carbon and lipid, respectively. The results are shown in Figures 11 through 14. Figures 11 and 12 show pesticide and PCB analytes combined. Because the slope of regression lines appeared to be significantly different for these two classes of compounds, they are presented separately (pesticides in Figure 13 and PCBs in Figure 14).

The sediment data alone explain 71% of the variation in fish tissue concentrations, a very good result. However, Figure 11 suggests that the two classes of compounds have different slopes and separate regressions were calculated as shown in Figures 13 and 14. For pesticides and PCBs, the regressions explain 80 and 90% of the overall variance in the carp tissue concentrations, respectively, which is an excellent result. Moreover, the data appear to adequately meet the requirements of ordinary least squares regressions.

The slope of these regression lines are 1.47 and 0.825 for pesticides and PCBs, respectively. The regression slopes are equivalent to BSAFs, estimated using a different method (regression). The pesticide estimate of 1.47 compares to BSAF estimates in Table 8 of 1.8 to 4.8. Therefore, the regression method using ISM samples gave similar results to discrete samples for these two pesticides. For PCBs, the regression method estimate of 0.825 is lower than the DEQ default estimate for Aroclors by approximately a factor of 4, and within the range of plausible values, presented by U.S. EPA 2010b (Table 5). Because the ISM sediment data are believed by DEQ to be more reliable and because the value of 0.825 is consistent with the median BSAF of 1.4 published by U.S. EPA for Total PCBs in Carp and is generally consistent with theoretically expected values for benthic associated species (U.S. EPA 2009),

DEQ expects that the regression estimated slope is a reasonably accurate estimate of average PCB bioaccumulation in Carp in the Columbia Slough.

There remain uncertainties with this preliminary analysis. The spatial relation of the sediment and fish tissue data is uncertain, and PCB congener data were available for only a single fish. Additionally, the effect of PCB weathering and differential accumulation by fish cannot be determined using Aroclor results by Method 8082, as discussed in U.S. EPA 2002. Nevertheless, the incremental sampling methodology appears to have effectively reduced variation in sediment results allowing computation of reliable site-specific bioaccumulation uptake factors by this method. Further work will further refine and validate these estimates for a broader group of organic contaminants

Figure 11. Regression of sediment vs.Carp-both PCBs and Pesticides

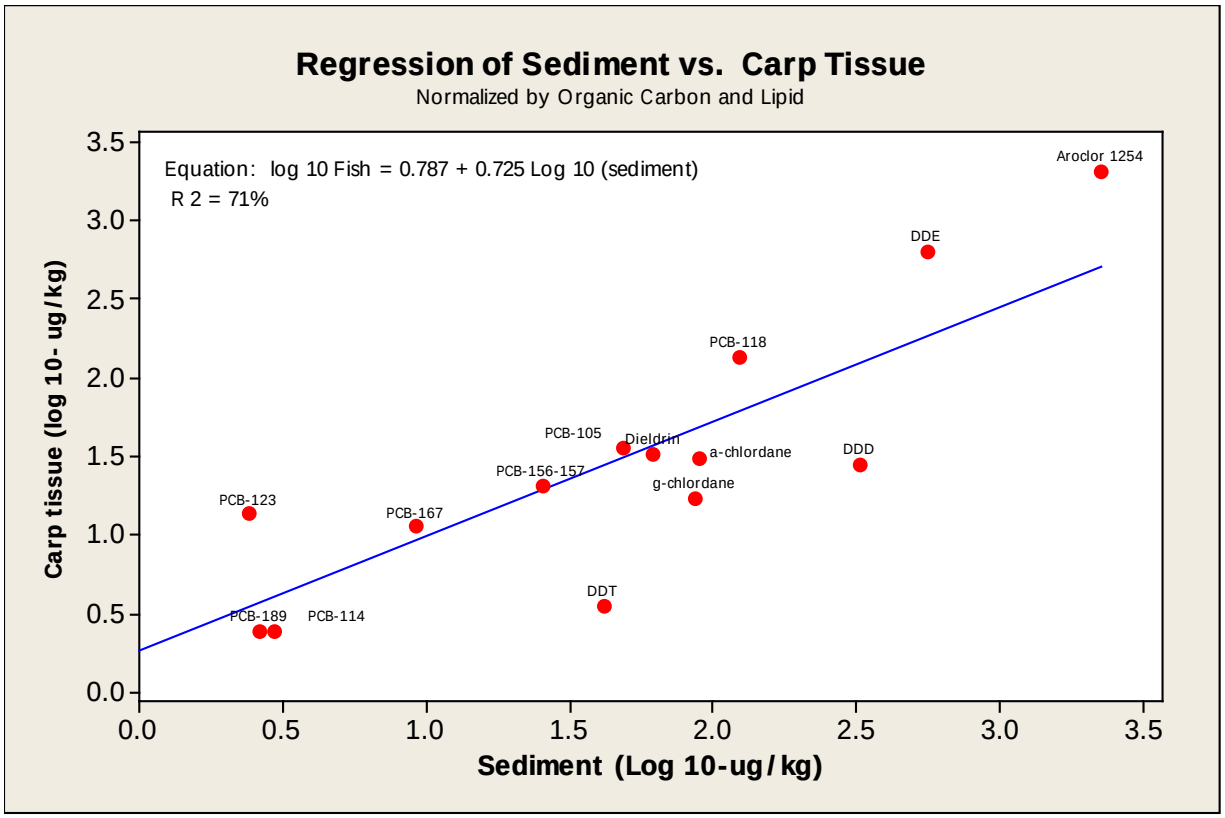


Figure 12. Regression of sediment vs.Carp-by chemical class

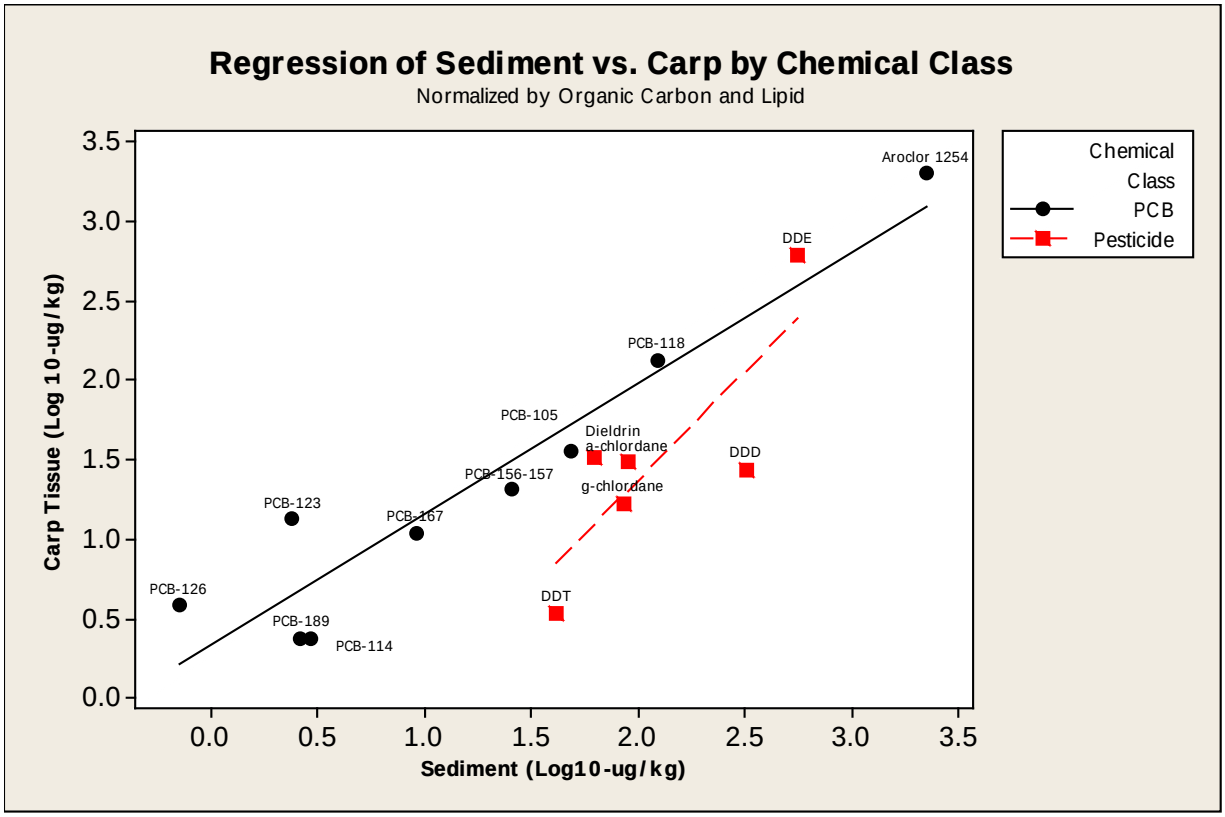


Figure 13. Regression of Sediment vs.Carp-Pesticide Only

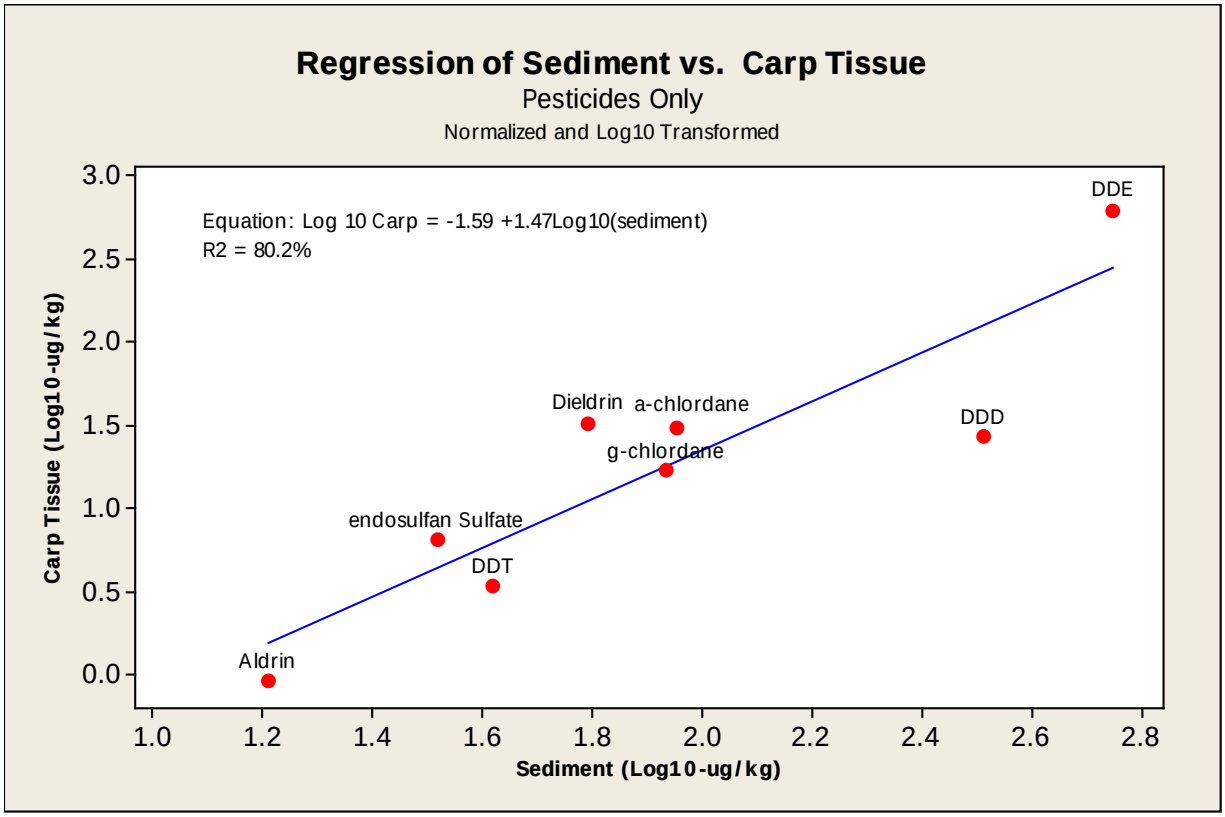
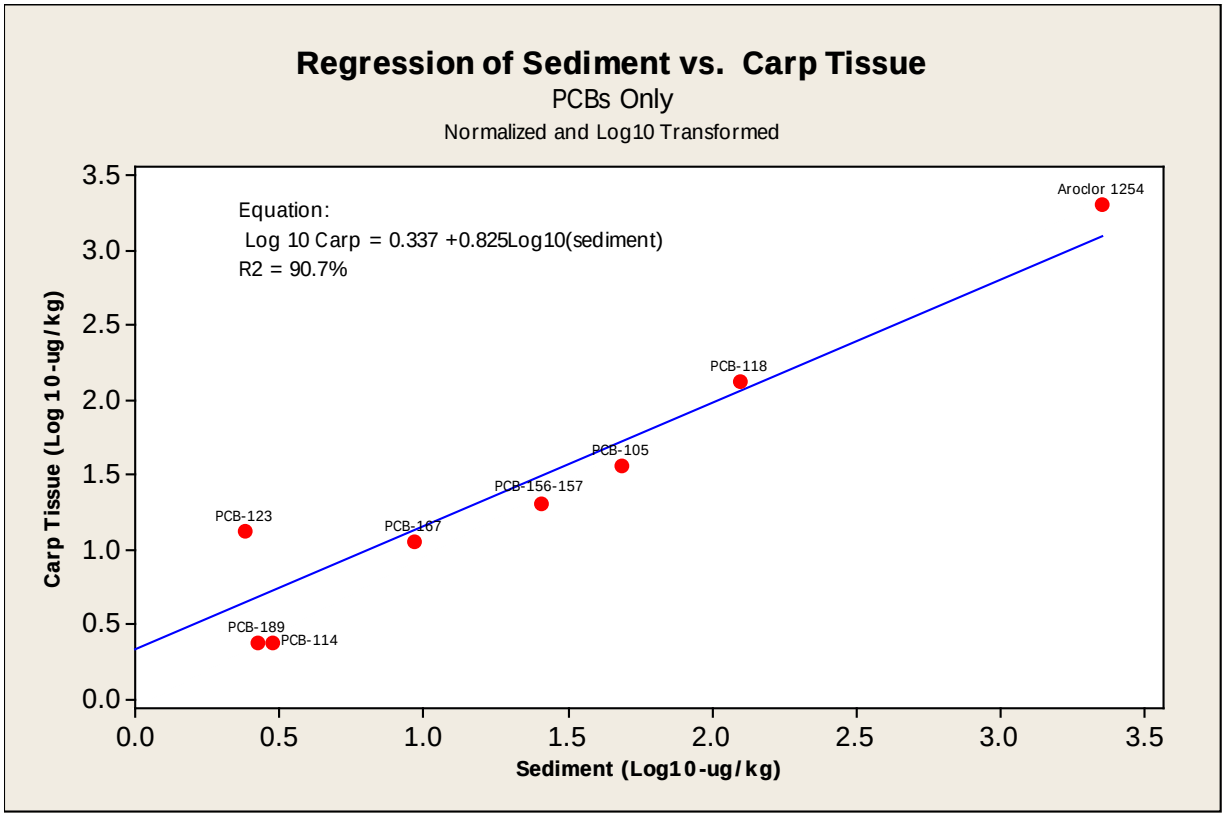


Figure 14. Regression of Sediment vs.Carp-PCBs Only



OVERALL INTERPRETATION AND RECOMMENDATIONS

The overall conclusions for the preliminary evaluations indicate and confirm several conclusions.

- Biota sediment relationships are, as expected, dependent on a number of site-specific factors including species, organic carbon in sediment and percent lipid. Spatial relationships between sediment and exposed organisms is a key element in assessing bioaccumulation. Due to the high variability in sediment concentrations and other variables, no single uptake factor appears to be adequate for assessing all or most sites. The BSAFs currently published in DEQ guidance for DDE, DDD and PCBs appear to be conservative for most sites and would not result in underestimating bioaccumulation.

- Aroclor analysis appears to be less useful for assessing bioaccumulation of PCBs, based on a high frequency of non-detections in sediment and aquatic organism tissue. Analysis for bioaccumulation of PCBs performed using high-resolution GCMS by EPA method 1668 does provide useful information with adequate detection limits for assessing bioaccumulation. However, this method is rarely used and underrepresented in the available database.

- Analysis for bioaccumulative contaminants in water may provide better results in predicting tissue concentrations than sediment alone. Discrete sediment sample data alone did not correlate well with tissue concentrations, but when combined with surface water data may allow better predictions.

- Significantly, sediment data collected using incremental sampling methods resulted in highly significant correlations to carp tissue collected in the same waterbody. This one finding is highly relevant and likely provides a means to create empirical models relating sediment to tissue and back-calculate sediment cleanup goals protective for endpoints based on fish tissue. This result may indicated an innovative approach to use incremental sampling methodologies in BSAF modeling since ISM samples better account for spatial and particle composition heterogeneities.

INDENTIFIED DATA GAPs

Based on the preceding evaluations, co-located data in sediment and aquatic organism tissue is needed to assess bioaccumulation or PCBs and pesticides with sufficiently sensitive methods to provide detections in both media, across a range of environmental concentrations. There are few locations where such data are available. However, based on existing data it is known that a concentration gradient in sediment exists for both PCBs and pesticides in the Columbia Slough and that these contaminants have accumulated into fish tissue. This provides an opportunity to collect additional site-specific, spatially correlated data that may be used to assess bioaccumulation using the ISM methodology.

REFERENCES

DEQ 2007. Guidance for Assessing Bioaccumulative Chemicals of Concern in Sediment. Oregon Department of Environmental Quality Cleanup Program, updated April 3rd, 2007.

DEQ 2009. Quality Assurance Project Plan (QAPP). Columbia Slough Outfall 59-65 Sediment Study. Oregon Department of Environmental Quality Cleanup Program, DEQ09-LQ-0046-QAPP. October 2009.

MaCarthy K. 2008. Investigation of hydrophobic contaminants in an urban slough system using passive sampling-insights from sampling rate calculations. Environmental Monitoring and Assessment 145:31-47.

GeoSyntec and BES 2007. Columbia Slough Fish Tissue Analysis, prepared by GeoSyntec, Inc and the City of Portland Bureau of Environmental Services, prepared for the Oregon Department of Environmental Quality, May, 2007.

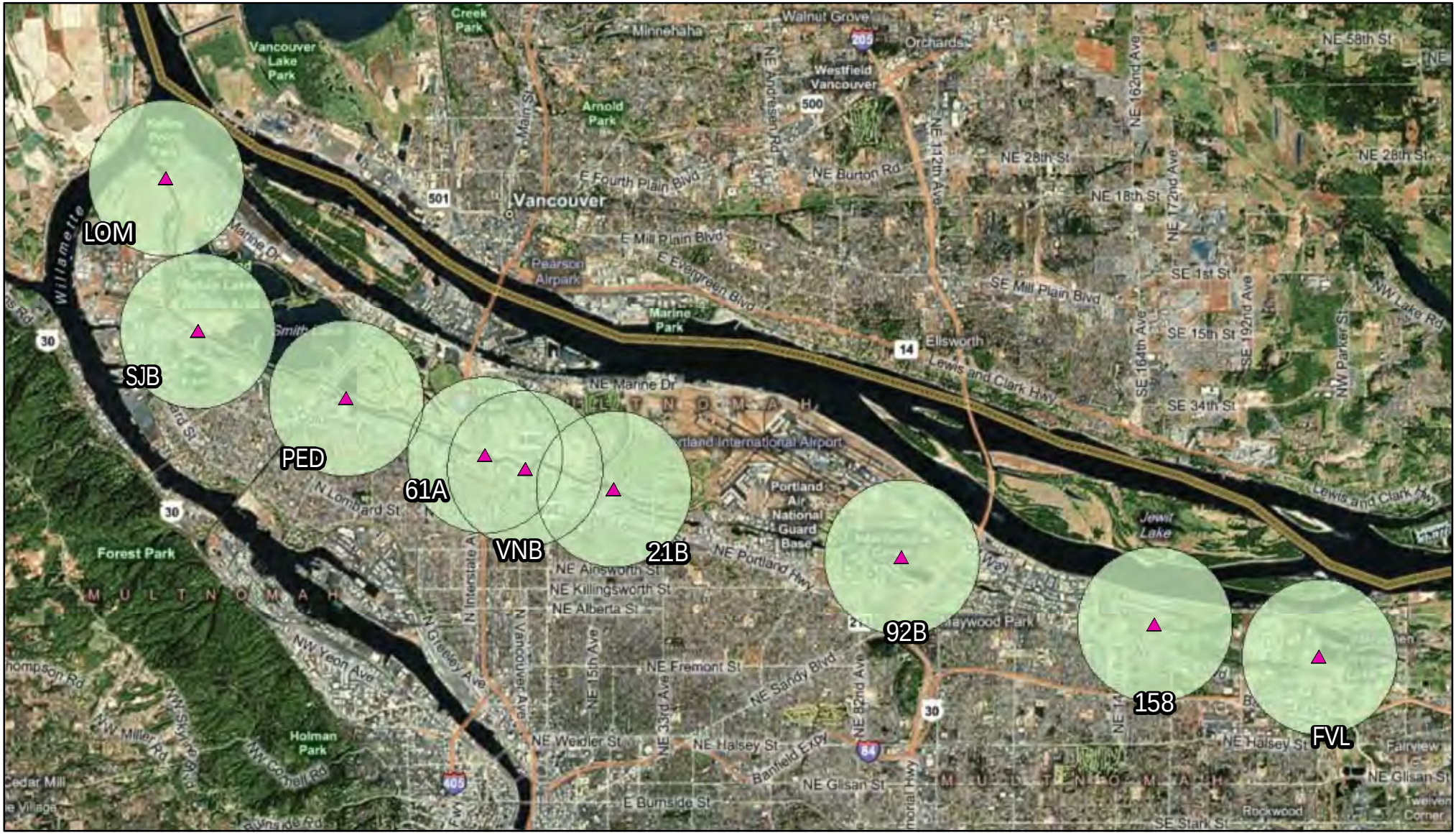
US EPA 2002. Advances in PCB Analysis. A Presentation by Andy Beliveau, Region 1 USEPA Office of Environmental Measurement and Evaluation. Prepared for the US. EPA Basic Reasearch Program, 2002.

US EPA 2009. Estimation of Biota Sediment Accumulation Factors (BSAF) from Paired Observations of Chemical Concentrations in Biota and Sediment. US EPA Office of Research and Development. EPA/600/R-05/047. ERASC-013F, February 2009.

U.S. EPA. 2010a. ProUCL Version 4.00.05 User Guide (Draft). EPA/600/R-07/038, May 2010. Down load from http://www.epa.gov/nerlesd1/databases/datahome.htm

US EPA 2010b. Biota-Sediment Accumulation Factor data set assembled from Superfund site data. Available at: http://www.epa.gov/med/Prods_Pubs/bsaf.htm.

WDOH 1995. Development of sediment quality criteria for the protection of human health. Tier I Report. Office of Toxic substances, Washington Department of Health.



DEQ
State of Oregon
Department of Environmental Quality

Semi-Permeable Membrane Device (SPMD) Deployment Locations With Corresponding 1-Mile Buffers

Columbia Slough, Oregon (2005 - 2006)

Sediment, Tissue, and Water Samples With 4,4'-DDx Results

Within 1 Mile of Columbia Slough SPMD Deployments
Multiple Studies
(circa 2006 - 2009)

Figure 2 of 10

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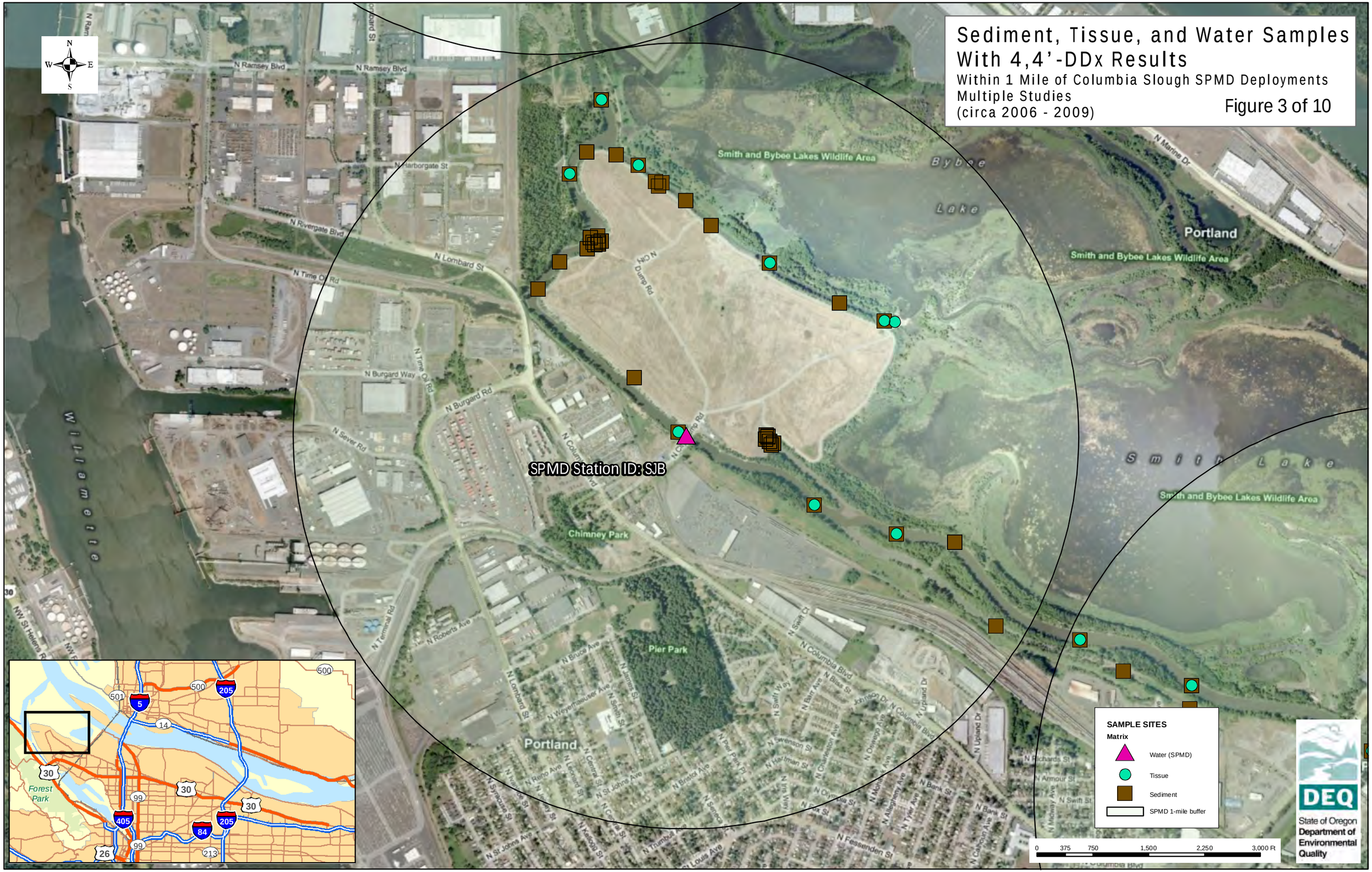
Sediment, Tissue, and Water Samples With 4,4'-DDx Results

Within 1 Mile of Columbia Slough SPMD Deployments
Multiple Studies
(circa 2006 - 2009)

Figure 3 of 10



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Sediment, Tissue, and Water Samples With 4,4'-DDx Results

Within 1 Mile of Columbia Slough SPMD Deployments
Multiple Studies
(circa 2006 - 2009)

Figure 4 of 10

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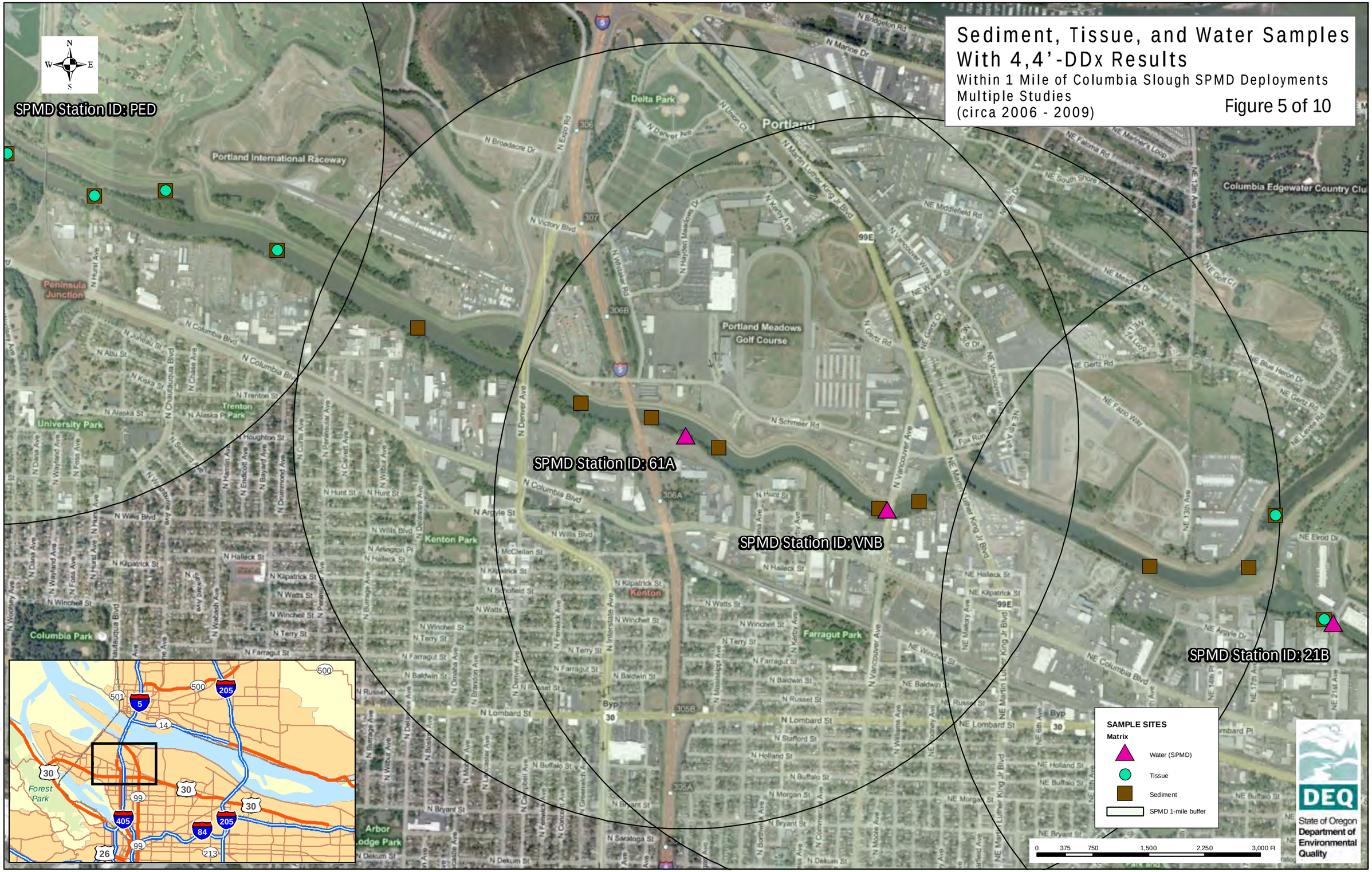
Sediment, Tissue, and Water Samples With 4,4'-DDx Results

Within 1 Mile of Columbia Slough SPMD Deployments
Multiple Studies
(circa 2006 - 2009)

Figure 5 of 10



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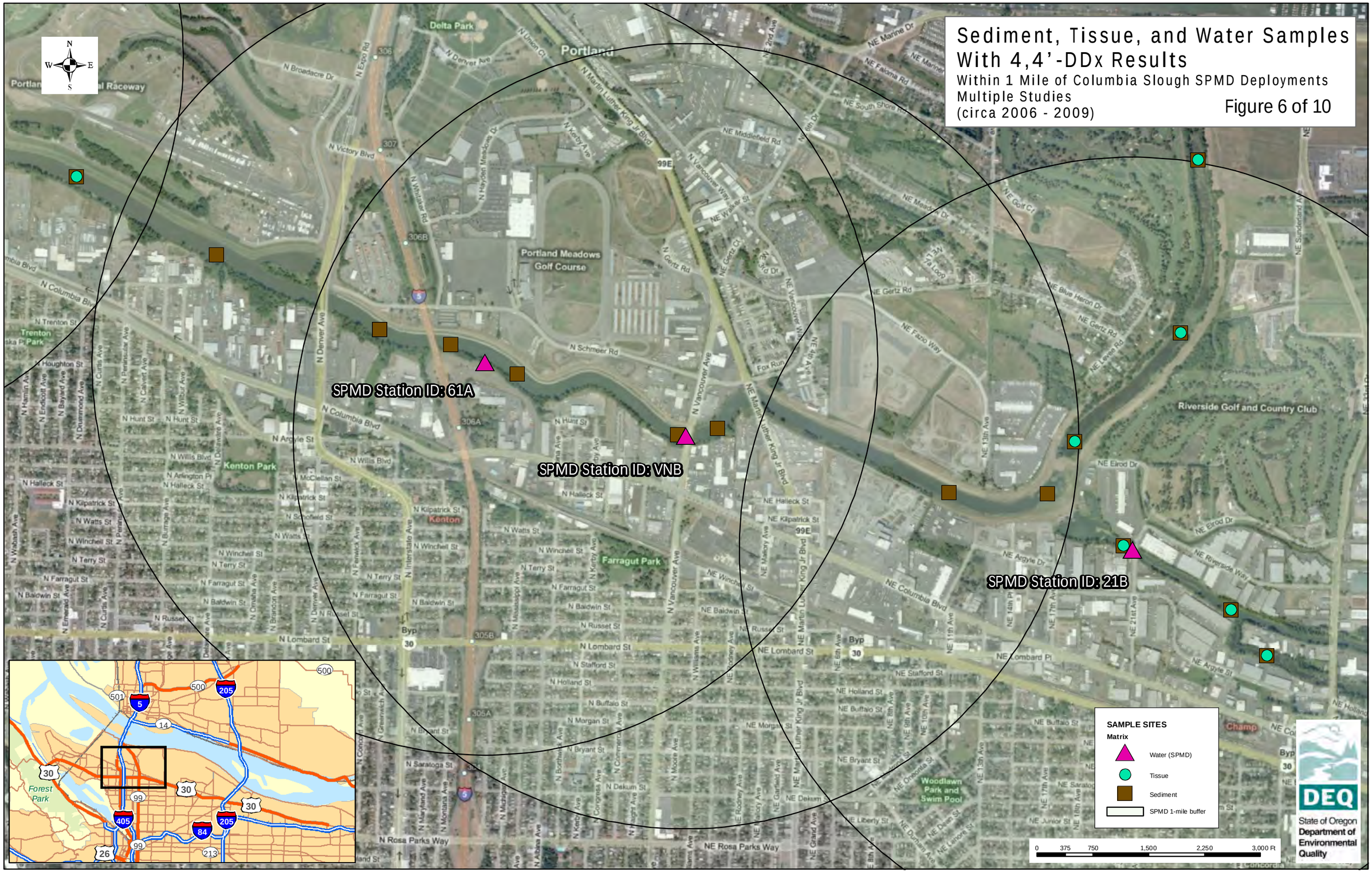
Sediment, Tissue, and Water Samples With 4,4'-DDx Results

Within 1 Mile of Columbia Slough SPMD Deployments
Multiple Studies
(circa 2006 - 2009)

Figure 6 of 10



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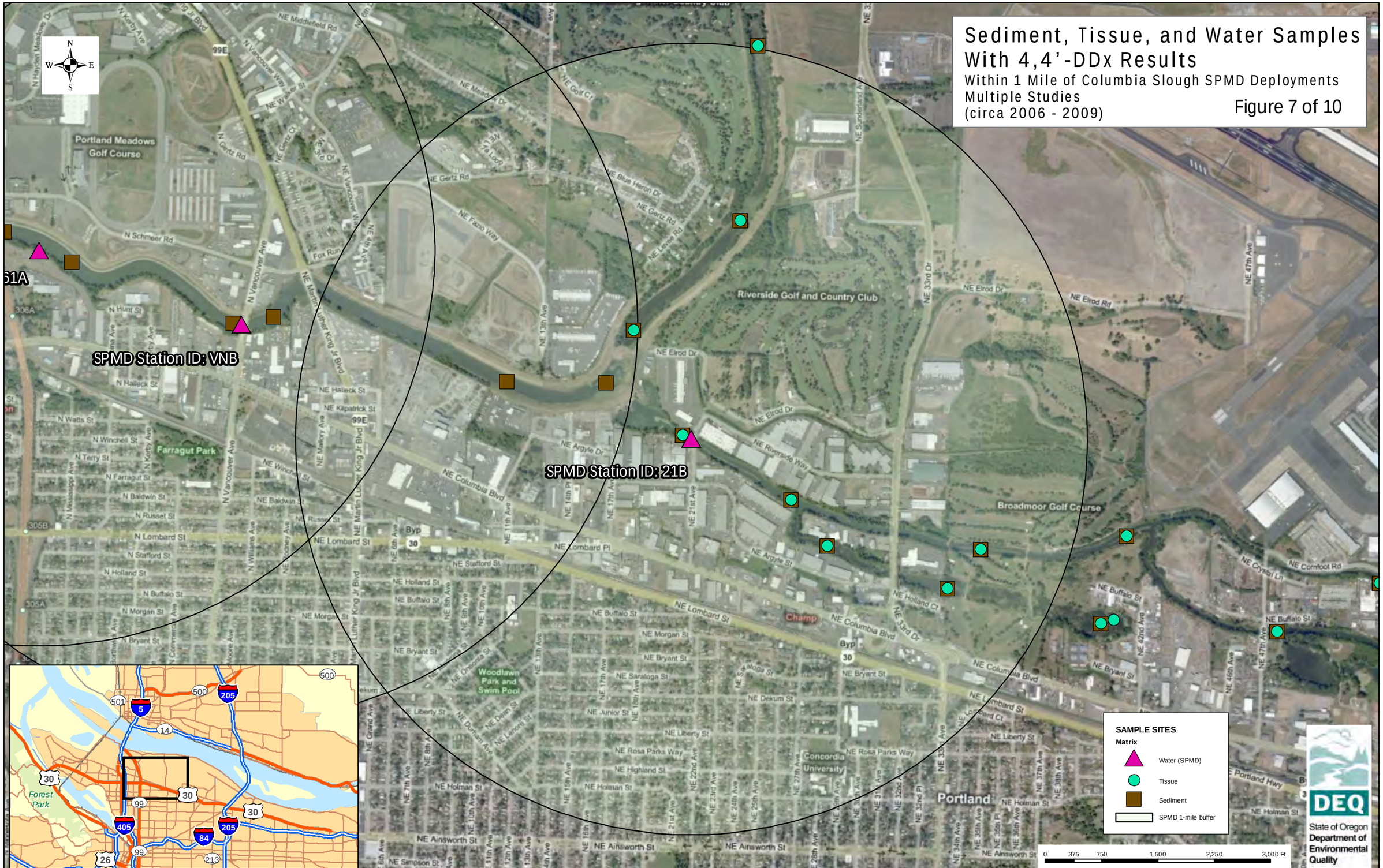

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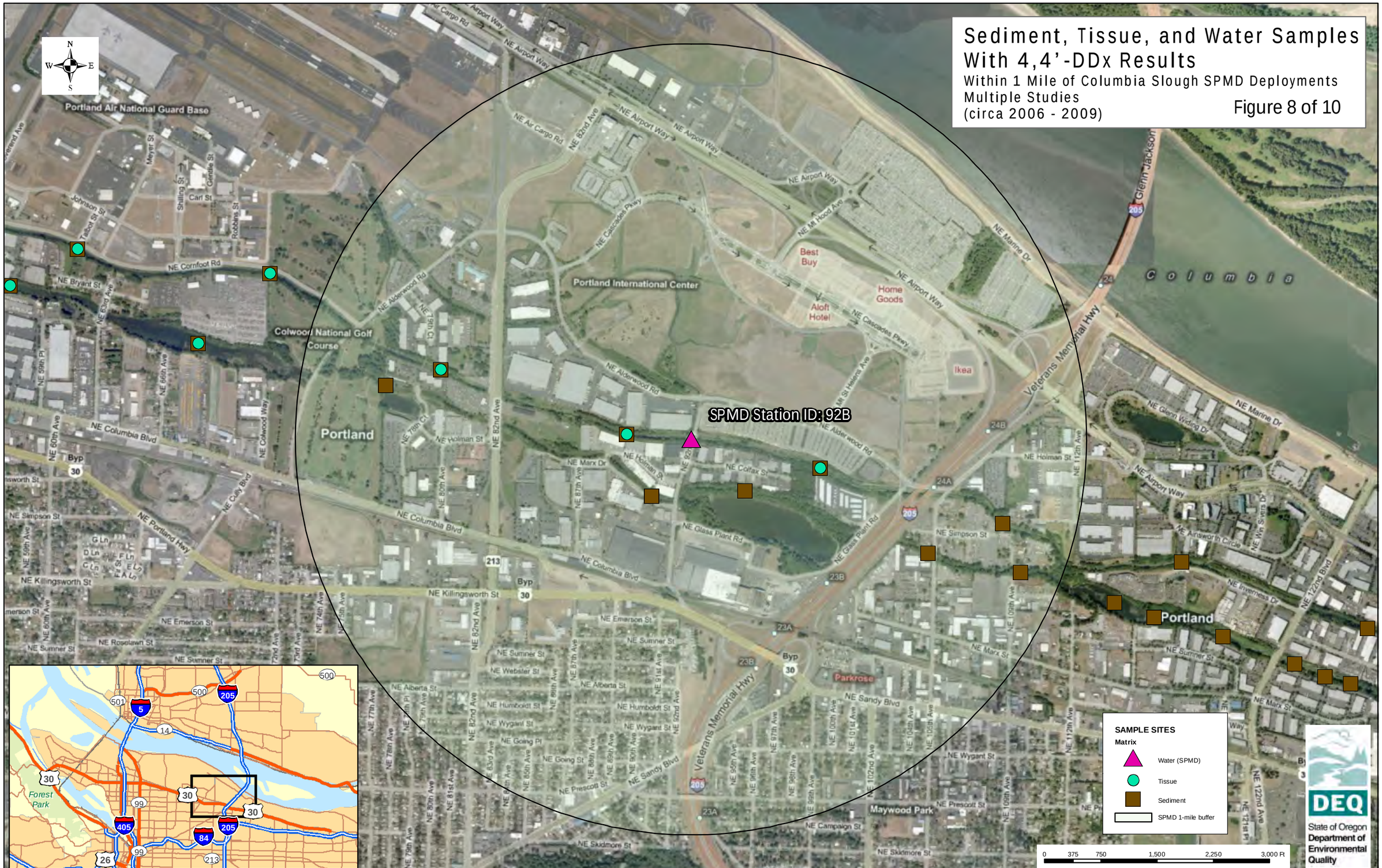
Sediment, Tissue, and Water Samples With 4,4'-DDx Results

Within 1 Mile of Columbia Slough SPMD Deployments
Multiple Studies
(circa 2006 - 2009)

Figure 8 of 10



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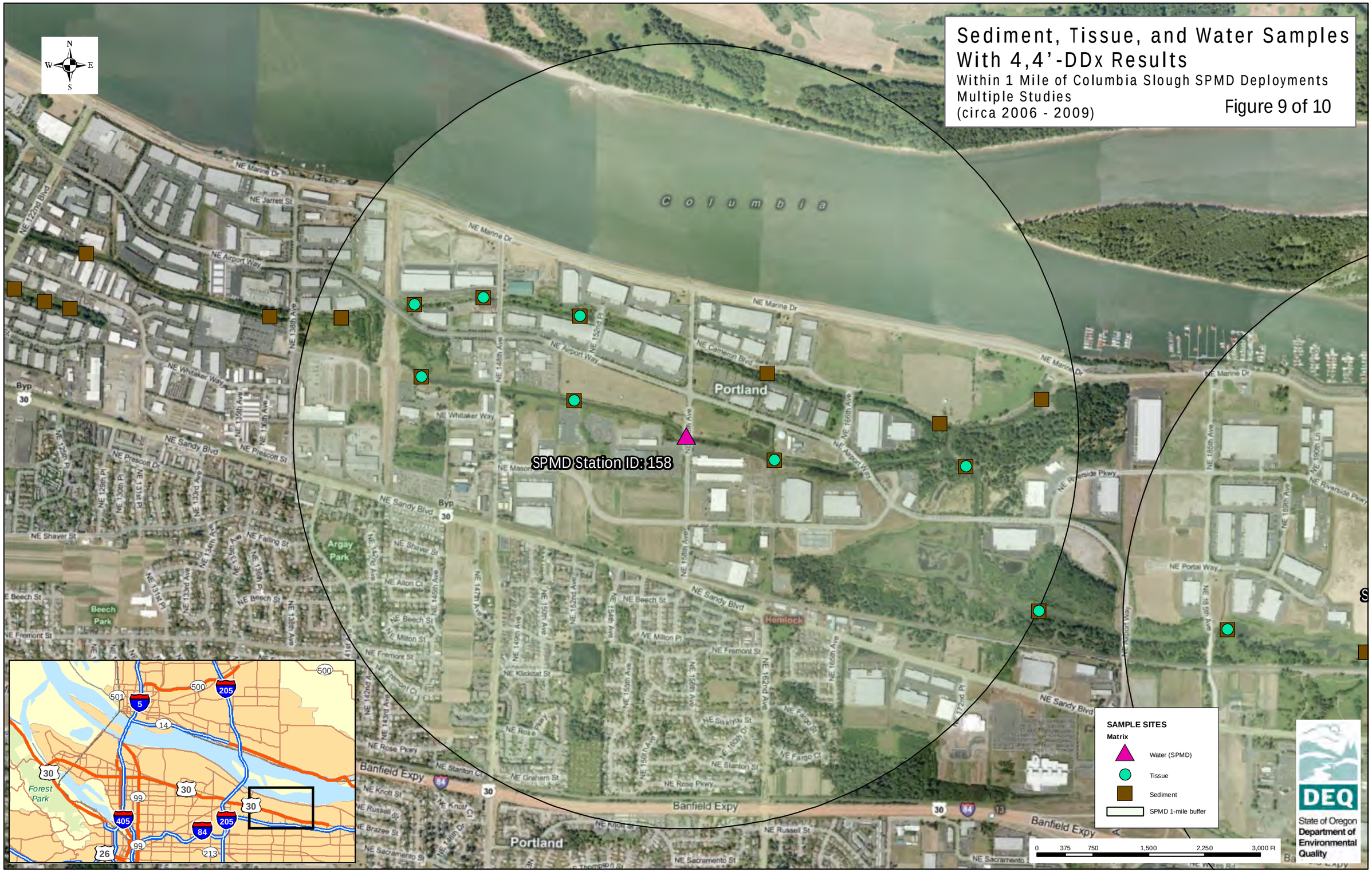

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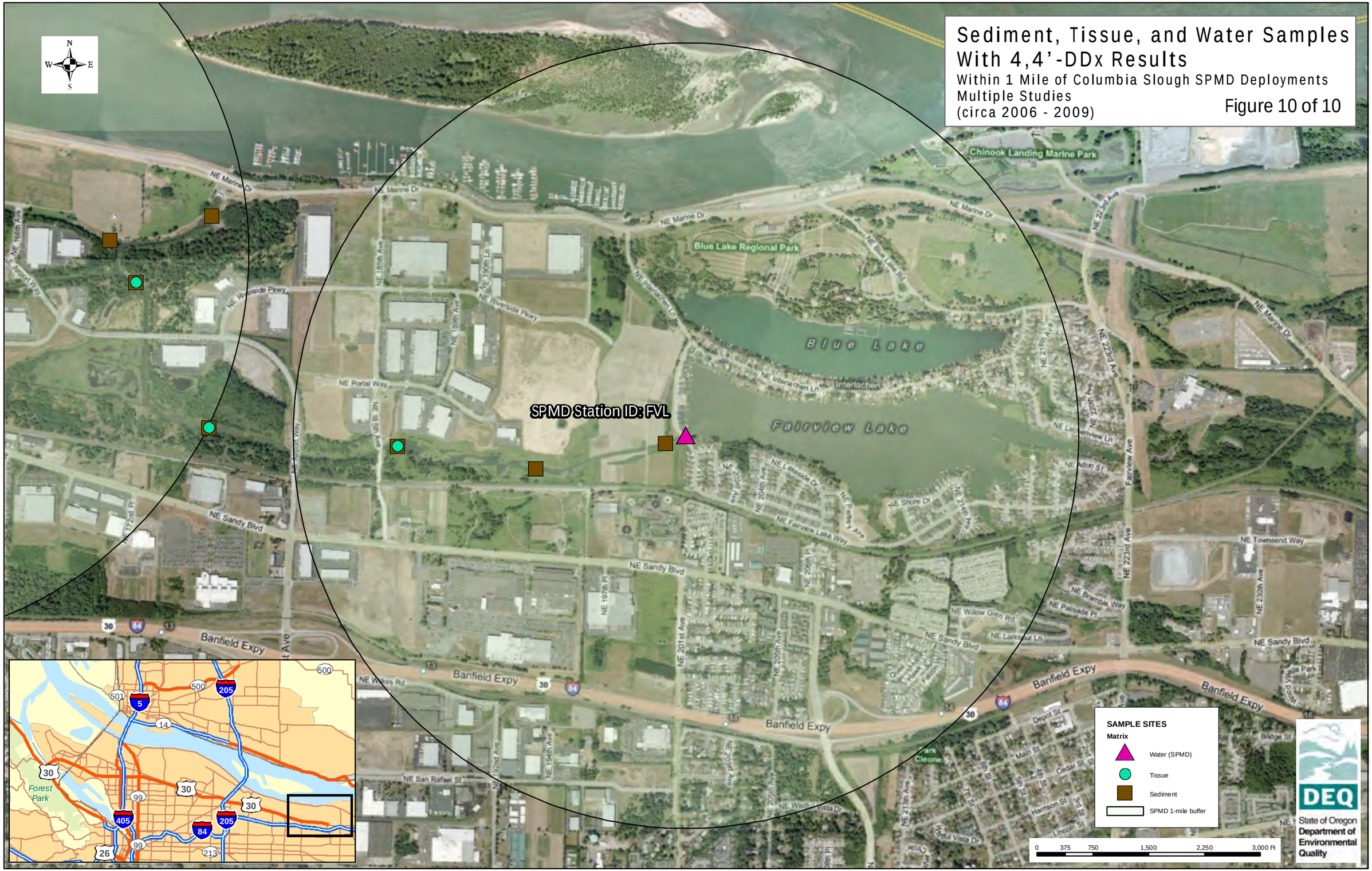
Sediment, Tissue, and Water Samples With 4,4'-DDx Results

Within 1 Mile of Columbia Slough SPMD Deployments
Multiple Studies
(circa 2006 - 2009)

Figure 10 of 10



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Appendix I: Columbia Slough Photo Log

Photo 1: Lower Middle Columbia Slough

Photo 2: Lower Middle Columbia Slough

Appendix I: Columbia Slough Photo Log

Photo 3: Upper Middle Columbia Slough

Photo 4: Upper Middle Columbia Slough

Appendix I: Columbia Slough Photo Log

Photo 6: Upper Upper Columbia Slough

Photo 7: Upper Upper Columbia Slough adjacent to farmland

Appendix I: Columbia Slough Photo Log

Photo 8: Bioassay Sediment collection in triplicate 5 gallon buckets.

Photo 9: NE 122nd Ave Culvert crossing.

Appendix I: Columbia Slough Photo Log

Photo 10: Sediment sample in Eckmann Dredge

Photo 11: Increment Sediment Sample placement in to sample jar.

Appendix I: Columbia Slough Photo Log

Photo 12: Weeds hinder sediment sampling.

Photo 13: Paddling through weeds.

Appendix I: Columbia Slough Photo Log

Photo 14: Sewer Pipe Crossing the Upper Middle Columbia Slough

Photo 15: Sampling equipment

Appendix I: Columbia Slough Photo Log