EPA and Battelle Inc. SITE Study results from 209 Environmental Samples

Company	Technology	SITE Personel	Turnaround Time	Cost Analysis		
				Dioxin/Furan analysis only	PCBs analysis only	Dioxin/Furan and PCB analysis
Axis Laboratories (Reference Laboratory)	GC/MS	Not Applicable	8 months	$213,580	$184,449	$398,029
Xenobiotic Detection Systems Inc.	**CALUX® by XDS**	1	6 weeks	* Not Applicable	* Not Applicable	$89,564
Wako Pure Chemical Industries, Ltd.	Dioxin ELISA Kit	6	on-site 9 days	$150,294	Not Applicable	Not Applicable
Abraxis LLC	Coplanar PCB ELISA Kit	2	<2 weeks	Not Applicable	$22,688	Not Applicable
CAPE Technologies	DF1 Dioxin/Furan and PCB TEQ Immunoassay	1	3 weeks	Not Applicable	Not Applicable	$59,234
The Hybrizyme Corporation	AhRC PCR™ Kit	2	<2 weeks	Not Applicable	Not Applicable	Total AhR Agonist $35,023

* - actual costs for individual Dioxin/Furan and PCB analysis not calculated for this report

Company	Technology	50 pg/g				20 pg/g				6.25 pg/g				>1 pg/g				Effective Range	EPA SW846 Eligible
		Dioxin/Furan		PCB		Dioxin/Furan		PCB		Dioxin/Furan		PCB		Dioxin/Furan		PCB			
		False Pos	False Neg	False Pos	False Neg	False Pos	False Neg	False Pos	False Neg	False Pos	False Neg	False Pos	False Neg	False Pos	False Neg	False Pos	False Neg		
Xenobiotic Detection Systems Inc.	**CALUX® by XDS**	0%	‡ 0.5%	1%	0%	nd	nd	nd	nd	nd	nd	nd	nd	6%	0%	15%	23%	< 1pg/g ¥	**Yes**
Wako Pure Chemical Industries, Ltd.	Dioxin ELISA Kit	10%	8%	nd	nd	10%	13%	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	20 pg/g	No
Abraxis LLC	Coplanar PCB ELISA Kit	nd	nd	8%	3%	nd	nd	nd	nd	nd	nd	35%	7%	nd	nd	nd	nd	50 pg/g	No
CAPE Technologies	DF1 Dioxin/Furan and PCB TEQ Immunoassay	Dioxin/Furan and PCB total TEQ																20pg/g	No
		False Pos		False Neg		False Pos		False Neg		False Pos		False Neg		False Pos		False Neg			
		4 - 10%		4 - 10%		11 - 14%		3 - 5%		nd		nd		nd		nd			
The Hybrizyme Corporation	AhRC PCR™ Kit	AhR agonist assay is not specific for dioxins/Furnas and PCBs. 70 - 90% agreement with reference lab. 44% RSD on performance evaluating samples, 19% RSD on environmental samples, and 14% RSD on extracted samples																Effective for total AhR agonist activity	No

nd = not determined RSD = Relative Standard ¥ - Lowest effective range among all participating technologies

‡ - occurred in 1 of 4 replicate samples and would have been removed through XDS's normal stastical analysis SOP