IMMUNOASSAY COMMERCIAL METHODS
DATA QUALITY SPECIFICATIONS

Strategic Diagnostics*	**RaPID Assay**	**30, 100 tubes (magnetic beads)**
	EnviroGard	**20, 44 tubes or 96 wells**
EnviroLogix+	**Kits**	**96 wells**
BioNebraska&	**BiMelyze**	**96 wells**

Analyte	**Matrix**	**Analytical Range**		**Manuf.**	**Tubes**	**Wells**
		LDD (µg/L)	**Calibration (µg/L)**			
Alachlor	w	0.03	0.04–1.0	EL		96
Alachlor	w	0.05	0.05– 5	SDI	30,100	
Alachlor	w	0.046	0.1- 2.5	SDI		96
Aldicarb	w	0.25	0.25-100	SDI	100	
Aldicarb	w	0.4	1- 20	SDI		96
Aldicarb	w	2	5, 100	SDI	20	
Aldicarb	w	2.6	3- 100	EL		96
Triazine	w	0.010	0.025-0.5	SDI		96
Atrazine (triazine)	w	0.010	0.04- 4.0	EL		96
Atrazine	w	0.015	0.035- 1	SDI	30	
Triazine	w	0.036	0.05 - 2	SDI	44	
Atrazine *EPA 4670*	w	0.05	0.05 - 5	SDI	30,100	
Triazine	w	0.053	0.1, 1	SDI	20	
Triazine	w	0.3	0.1 - 2	SDI		96
Benomyl,	w	0.1	0.1 - 5	SDI	100	
Benomyl,	w	0.2	0.4 - 10	SDI		96
Benomyl,	f	40	10 - 100	EL		96
Bioresmethrin	w	80	100 – 2000	SDI		96
BTEX (petroleum	w	0.02	0.02-3.0 ppm	SDI	30, 100	
BTEX (petroleum	w	-	0.1-3 ppm	SDI	20	
Captan	w	10	10 - 3000	SDI	100	
Carbaryl	w	0.25	0.25 - 5	SDI	100	
Carbofuran	w	0.1	0.2 - 5	SDI	20	
Carbofuran	w	0.06	0.06 - 5	SDI	100	
Chlordane (soil) *EPA*	s	14 ppb	20, 100, 600	SDI	20	
Chlorothalonil	w	0.07	0.07 - 5	SDI	100	
Chlorpyrifos	w	0.02	0.05 - 1	SDI		96
Chlorpyrifos	w	0.1	0.1 - 3	SDI	100	
Chlorpyrifos	w	0.3	0.3 - 6	EL		96
Chlorsulfuron	w	0.04	0.04 - 0.8	SDI		96
Cholinesterase	w,f	0.05	screen	EL		96
Cyanazine	w	0.04	0.04 - 3	SDI	30,100	
Cyanazine	w	0.14	0.25 - 5	SDI		96
Cyclodienes (as	w	0.6	0.6 - 27	SDI	100	
Cyclodienes (as	w	0.5	1 - 100	EL		96
Cyclodienes (as	w	2	10, 100	SDI	20	
Cyclodienes (as	w	5	5 - 100	SDI		96
2,4-D	w	0.7	0.7 - 50	SDI	30,100	
2,4-D	w	1.4	2, 50	SDI	20	

		Analytical Range				
2,4-D	w	0.1	0.5 - 100	SDI		96
DDT	s	0.023	0.025 – 0.875	EL		96
DDT (soil) *EPA 4042*	s	0.04	0.2, 1, 10 ppm	SDI	20	
Diazinon	w	0.022	0.03 - 0.5	SDI		96
Endosulfan (mixed	w	0.08	0.08 - 1	SDI		96
Fenitrothion (grain)	f	0.15	0.5 –10 ppm	SDI		96
Fluometuron	w	0.03	0.05 – 3.5	EL		96
Imidacloprid	w	0.07	0.2 – 6	EL		96
Isoproturon	w	0.005	0.05 - 1.5	EL		96
Isoproturon	w	0.02	0.05 - 5	SDI		96
Lindane (soil)	s	0.40	1, 10 ppm	SDI	20	
Mercury *EPA 4500*	s	0.5	0.5 -40 ppm	BioN	16	
Mercury	w	0.25	0.25 - 10	BioN		96
Metalaxyl	w	0.02	0.1 - 2.5	SDI		96
Metalaxyl	w	0.08	0.15 - 1.75	EL		96
Methomyl	w	0.45	0.45 - 15	SDI	100	
Methoprene acid	w	0.007	0.015 - 1.0	EL		96
Metolachlor	w	0.05	0.05 - 5	SDI	30,100	
Metolachlor	w	0.07	0.1 - 3	SDI		96
Metribuzin	w	0.04	0.1 - 3	SDI	100	
Metsulfuron, methyl	w	0.020	0.025 - 0.5	SDI		96
Microcystins	w	0.02	0.04 - 0.25	EL		96
Microcystins	w	0.1	0.1 - 1.6	SDI	44	
Microcystins	w	0.1	0.2 - 4	SDI		96
Microcystins (field)	w	0.5	0.5 - 3	EL	36	
Molinate	w	0.5	0.5 - 30	SDI		96
Nitrate (NO_3-N)	w	0.5	0.5 – 10	SDI	30	
Nitrate screen (NO_3)	w	0.25	0.25 – 25	SDI	30	
Organochlorine	w,f	0.05	screening	EL		96
PAHs	w	0.93	2.9 - 68	SDI	30,100	
Paraquat	w	0.020	0.02 - 0.5	SDI	100	
Paraquat	w	0.010	0.04 - 1.2	EL		96
Parathion	w	0.023	0.04 - 4	EL		96
Parathion	w	0.03	0.04 - 2	SDI		96
Pirimiphos, methyl	f	0.2	0.2, 1, 4 ppm	SDI	20	96
PCBs	w	0.2	0.5 - 10	SDI	30,100	
PCBs	s	0.3	screening	EL	40	
Procymidone	w	0.8	0.8 - 100	SDI	100	
Silvex (2,4,5-TP)	w	1.4	1.4 - 250	SDI	100	
Simazine	w	0.03	0.1 - 3	SDI	100	
Spinosad	w	0.02	0.05 - 1	SDI	100	
Thiabendazole	w	0.2	0.25 - 4	SDI		96
Thiabendazole	w	0.5	0.6 - 6	SDI	44	
TNT	w	0.07	0.25 - 5	SDI	100	
Toxaphene (soil) *EPA*	s	0.2	0.5, 2, 10 ppm	SDI	20	
Triadimenol	f	0.02	0.1 -1.0 ppm	EL		96
Triasulfuron	w	0.04	0.05 - 1	SDI		96
Trichloropyridinol	w	0.25	0.25 - 2.5	EL		96

		Analytical Range				
Trichloropyridinol	w	0.25	0.25 - 6	SDI	100	
Triclopyr	w	0.03	0.03 - 3	SDI	100	
Urea herbicides	w	0.04	0.05 - 2	SDI		96

Human Exposure (urine samples)

Analyte	Matrix	Analytical Range		Manuf.	Tubes	Wells
		LDD (µg/L)	**Calibration (µg/L)**			
Alachlor mercapturate	u	10	20 - 650	EL		96
Atrazine mercapturate	u	0.55	2.5 - 90	EL		96
Deet	u	10	15 - 750	EL		96
Metolachlor mercapturate	u	5	8 - 85	EL		96

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\# Matrices: w water; s soil; f food; u urine