

APPENDIX Y
FIELD REPLICATE EVALUATION – SEDIMENT

Table 1 - Sediment Field Replicate Relative Percent Deviation - Core BA2B
First MNR Report
Palos Verdes Shelf - OU 5 of the Montrose Chemical Corp. Superfund Site
Los Angeles County, California

<i>Core</i>	<i>Sample beginning depth (cm)</i>	<i>Sample ending depth (cm)</i>	<i>Analyte</i>	<i>Parent result (ug/kg)</i>	<i>Replicate result (ug/kg)</i>	<i>RPD</i>
BA2B	0	2	Total DDT Compounds	480	1,000	70.3%
			Total PCBs	93	90	3.3%
	2	4	Total DDT Compounds	1,800	1,200	40.0%
			Total PCBs	120	120	0.0%
	4	6	Total DDT Compounds	1,400	1,800	25.0%
			Total PCBs	170	180	5.7%
	6	8	Total DDT Compounds	1,600	2,000	22.2%
			Total PCBs	160	170	6.1%
	8	12	Total DDT Compounds	710	1,200	51.3%
			Total PCBs	75	91	19.3%
	12	16	Total DDT Compounds	990	890	10.6%
			Total PCBs	120	76	44.9%
	16	20	Total DDT Compounds	22	840	189.8%
			Total PCBs	0.53	30	193.1%
	20	24	Total DDT Compounds	21	--	NA
			Total PCBs	0	--	NA
	24	28	Total DDT Compounds	5.1	--	NA
			Total PCBs	0	--	NA
	28	32	Total DDT Compounds	4.3	--	NA
			Total PCBs	0	--	NA

Abbreviations

cm - centimeter

NA - not applicable

QCSR - Quality Control Summary Report

RPD - relative percent difference

ug/kg - micrograms per kilogram

Notes

1. "--" indicates the interval was not available due to differences in core lengths.
2. **Bold** indicates an RPD exceeding the 50% field replicate criterion presented in the QAPP (ITSI Gilbane, 2014). See QCSR in Appendix N for discussion of qualifications related to these results.

Table 2 - Sediment Field Replicate Relative Percent Deviation - Core BA4C
First MNR Report
Palos Verdes Shelf - OU 5 of the Montrose Chemical Corp. Superfund Site
Los Angeles County, California

<i>Core</i>	<i>Sample beginning depth (cm)</i>	<i>Sample ending depth (cm)</i>	<i>Analyte</i>	<i>Parent result (ug/kg)</i>	<i>Replicate result (ug/kg)</i>	<i>RPD</i>
BA4C	0	2	Total DDT Compounds	1,400	2,200	44.4%
			Total PCBs	130	180	32.3%
	2	4	Total DDT Compounds	2,200	2,200	0.0%
			Total PCBs	220	220	0.0%
	4	6	Total DDT Compounds	2,700	2,500	7.7%
			Total PCBs	240	240	0.0%
	6	8	Total DDT Compounds	3,600	3,100	14.9%
			Total PCBs	250	310	21.4%
	8	12	Total DDT Compounds	2,900	3,800	26.9%
			Total PCBs	220	420	62.5%
	12	16	Total DDT Compounds	3,400	4,800	34.1%
			Total PCBs	240	390	47.6%
	16	20	Total DDT Compounds	4,100	5,600	30.9%
			Total PCBs	440	610	32.4%
	20	24	Total DDT Compounds	6,600	9,300	34.0%
			Total PCBs	670	910	30.4%
	24	28	Total DDT Compounds	16,000	48,000	100.0%
			Total PCBs	1,500	2,500	50.0%
	28	32	Total DDT Compounds	28,000	53,000	61.7%
			Total PCBs	3,200	4,100	24.7%
	32	36	Total DDT Compounds	73,000	45,000	47.5%
			Total PCBs	5,000	3,000	50.0%
	36	40	Total DDT Compounds	36,000	12,000	100.0%
			Total PCBs	2,200	780	95.3%
	40	44	Total DDT Compounds	6,500	3,000	73.7%
			Total PCBs	520	260	66.7%
	44	48	Total DDT Compounds	2,400	740	105.7%
			Total PCBs	180	70	88.0%
	48	52	Total DDT Compounds	4,200	1,400	100.0%
			Total PCBs	310	140	75.6%
	52	56	Total DDT Compounds	1,600	88	179.1%
			Total PCBs	170	9.7	178.4%
	56	60	Total DDT Compounds	1,100	110	163.6%
			Total PCBs	100	10	163.6%

Abbreviations

cm - centimeter

NA - not applicable

QCSR - Quality Control Summary Report

RPD - relative percent difference

ug/kg - micrograms per kilogram

Notes

1. "--" indicates the interval was not available due to differences in core lengths.

2. Bold indicates an RPD exceeding the 50% field replicate criterion presented in the QAPP (ITSI Gilbane, 2014).
See QCSR in Appendix N for discussion of qualifications related to these results.

Table 3 - Sediment Field Replicate Relative Percent Deviation - Core BA5B
First MNR Report
Palos Verdes Shelf - OU 5 of the Montrose Chemical Corp. Superfund Site
Los Angeles County, California

<i>Core</i>	<i>Sample beginning depth (cm)</i>	<i>Sample ending depth (cm)</i>	<i>Analyte</i>	<i>Parent result (ug/kg)</i>	<i>Replicate result (ug/kg)</i>	<i>RPD</i>
BA5B	0	2	Total DDT Compounds	4,800	5,100	6.1%
			Total PCBs	420	420	0.0%
	2	4	Total DDT Compounds	9,200	9,600	4.3%
			Total PCBs	980	900	8.5%
	4	6	Total DDT Compounds	17,000	16,000	6.1%
			Total PCBs	1,500	1,700	12.5%
	6	8	Total DDT Compounds	34,000	37,000	8.5%
			Total PCBs	5,400	3,000	57.1%
	8	12	Total DDT Compounds	89,000	68,000	26.8%
			Total PCBs	4,700	6,000	24.3%
	12	16	Total DDT Compounds	84,000	130,000	43.0%
			Total PCBs	2,700	5,800	72.9%
	16	20	Total DDT Compounds	29,000	72,000	85.1%
			Total PCBs	810	2,600	105.0%
	20	24	Total DDT Compounds	3,600	10,000	94.1%
			Total PCBs	160	510	104.5%
	24	28	Total DDT Compounds	1,700	7,900	129.2%
			Total PCBs	98	760	154.3%
	28	32	Total DDT Compounds	390	210	60.0%
			Total PCBs	22	33	40.0%
	32	36	Total DDT Compounds	56	110	65.1%
			Total PCBs	1.4	12	158.2%
	36	40	Total DDT Compounds	150	17	159.3%
			Total PCBs	9.1	0	200.0%
	40	44	Total DDT Compounds	2,200	95	183.4%
			Total PCBs	140	14	163.6%
	44	48	Total DDT Compounds	32	23	32.7%
			Total PCBs	0	0.82	200.0%
	48	52	Total DDT Compounds	9.6	1,200	196.8%
			Total PCBs	0	140	200.0%
	52	56	Total DDT Compounds	1.5	3.6	82.4%
			Total PCBs	0.14	0	200.0%
	56	60	Total DDT Compounds	5.3	1.1	131.3%
			Total PCBs	0	0	NA
	60	64	Total DDT Compounds	7.8	11	34.0%
			Total PCBs	0	0	NA
	64	68	Total DDT Compounds	--	3.0	NA
			Total PCBs	--	0	NA

Abbreviations

cm - centimeter

NA - not applicable

QCSR - Quality Control Summary Report

RPD - relative percent difference

ug/kg - micrograms per kilogram

Notes

1. "--" indicates the interval was not available due to differences in core lengths.

2. Bold indicates an RPD exceeding the 50% field replicate criterion presented in the QAPP (ITSI Gilbane, 2014).

See QCSR in Appendix N for discussion of qualifications related to these results.

Table 4 - Sediment Field Replicate Relative Percent Deviation - Core OA05
First MNR Report
Palos Verdes Shelf - OU 5 of the Montrose Chemical Corp. Superfund Site
Los Angeles County, California

<i>Core</i>	<i>Sample beginning depth (cm)</i>	<i>Sample ending depth (cm)</i>	<i>Analyte</i>	<i>Parent result (ug/kg)</i>	<i>Replicate result (ug/kg)</i>	<i>RPD</i>
OA05	0	2	Total DDT Compounds	3,300	4,900	39.0%
			Total PCBs	320	450	33.8%
	2	4	Total DDT Compounds	3,600	6,900	62.9%
			Total PCBs	340	690	68.0%
	4	6	Total DDT Compounds	3,800	5,000	27.3%
			Total PCBs	340	530	43.7%
	6	8	Total DDT Compounds	5,000	6,000	18.2%
			Total PCBs	450	580	25.2%
	8	12	Total DDT Compounds	8,200	9,400	13.6%
			Total PCBs	710	1,000	33.9%
	12	16	Total DDT Compounds	8,700	8,800	1.1%
			Total PCBs	750	1,200	46.2%
	16	20	Total DDT Compounds	12,000	12,000	0.0%
			Total PCBs	1,500	1,900	23.5%
	20	24	Total DDT Compounds	21,000	11,000	62.5%
			Total PCBs	2,800	2400	15.4%
	24	28	Total DDT Compounds	22,000	24,000	8.7%
			Total PCBs	3,300	3,900	16.7%
	28	32	Total DDT Compounds	49,000	32,000	42.0%
			Total PCBs	10,000	7,600	27.3%
	32	36	Total DDT Compounds	79,000	71,000	10.7%
			Total PCBs	13,000	17,000	26.7%
	36	40	Total DDT Compounds	140,000	190,000	30.3%
			Total PCBs	9,100	24,000	90.0%
	40	44	Total DDT Compounds	160,000	190,000	17.1%
			Total PCBs	5,100	17,000	107.7%
	44	48	Total DDT Compounds	110,000	67,000	48.6%
			Total PCBs	4,200	5,600	28.6%
	48	52	Total DDT Compounds	75,000	140,000	60.5%
			Total PCBs	3,500	8,500	83.3%
	52	56	Total DDT Compounds	48,000	88,000	58.8%
			Total PCBs	2,000	6,300	103.6%
	56	60	Total DDT Compounds	14,000	23,000	48.6%
			Total PCBs	610	1,700	94.4%
	60	64	Total DDT Compounds	10,000	7,100	33.9%
			Total PCBs	460	510	10.3%
	64	68	Total DDT Compounds	3,600	190	179.9%
			Total PCBs	240	20	169.2%
	72	76	Total PCBs	80	280	111.1%
			Total DDT Compounds	480	530	9.9%
	76	80	Total PCBs	52	77	38.8%
			Total DDT Compounds	93	36	88.4%
	80	84	Total PCBs	4.1	0	200.0%
			Total DDT Compounds	48	20	82.4%
			Total PCBs	2.3	0	200.0%

Abbreviations

cm - centimeter

NA - not applicable

QCSR - Quality Control Summary Report

RPD - relative percent difference

ug/kg - micrograms per kilogram

Notes

1. "-" indicates the interval was not available due to differences in core lengths.

2. Bold indicates an RPD exceeding the 50% field replicate criterion presented in the QAPP (ITSI Gilbane, 2014).

See QCSR in Appendix N for discussion of qualifications related to these results.

Table 5 - Sediment Field Replicate Relative Percent Deviation - Core OA07
First MNR Report
Palos Verdes Shelf - OU 5 of the Montrose Chemical Corp. Superfund Site
Los Angeles County, California

Core	Sample beginning depth (cm)	Sample ending depth (cm)	Analyte	Parent result (ug/kg)	Replicate result (ug/kg)	RPD
OA07	0	2	Total DDT Compounds	8,200	4,300	62.4%
			Total PCBs	680	550	21.1%
	2	4	Total DDT Compounds	9,400	18,000	62.8%
			Total PCBs	940	1,600	52.0%
	4	6	Total DDT Compounds	29,000	26,000	10.9%
			Total PCBs	3,300	1,600	69.4%
	6	8	Total DDT Compounds	30,000	54,000	57.1%
			Total PCBs	3,600	5,500	41.8%
	8	12	Total DDT Compounds	86,000	54,000	45.7%
			Total PCBs	7,300	3,800	63.1%
	12	16	Total DDT Compounds	66,000	120,000	58.1%
			Total PCBs	6,400	4,900	26.5%
	16	20	Total DDT Compounds	34,000	35,000	2.9%
			Total PCBs	3,500	2,300	41.4%
	20	24	Total DDT Compounds	15,000	12,000	22.2%
			Total PCBs	1,700	1,000	51.9%
	24	28	Total DDT Compounds	8,300	22,000	90.4%
			Total PCBs	690	370	60.4%
	28	32	Total DDT Compounds	1,600	3,500	74.5%
			Total PCBs	120	280	80.0%
	32	36	Total DDT Compounds	690	570	19.0%
			Total PCBs	32	55	52.9%
	36	40	Total DDT Compounds	1,700	32	192.6%
			Total PCBs	170	2.2	194.9%
	40	44	Total DDT Compounds	54	3,200	193.4%
			Total PCBs	1.2	280	198.3%
	44	48	Total DDT Compounds	680	--	NA
			Total PCBs	57	--	NA
	48	52	Total DDT Compounds	12	--	NA
			Total PCBs	0	--	NA
	52	56	Total DDT Compounds	14	--	NA
			Total PCBs	0	--	NA

Abbreviations

cm - centimeter

NA - not applicable

QCSR - Quality Control Summary Report

RPD - relative percent difference

ug/kg - micrograms per kilogram

Notes

1. "--" indicates the interval was not available due to differences in core lengths.

2. Bold indicates an RPD exceeding the 50% field replicate criterion presented in the QAPP (ITSI Gilbane, 2014).

See QCSR in Appendix N for discussion of qualifications related to these results.

Table 6 - Sediment Field Replicate Relative Percent Deviation - Core OA10
First MNR Report
Palos Verdes Shelf - OU 5 of the Montrose Chemical Corp. Superfund Site
Los Angeles County, California

<i>Core</i>	<i>Sample beginning depth (cm)</i>	<i>Sample ending depth (cm)</i>	<i>Analyte</i>	<i>Parent result (ug/kg)</i>	<i>Replicate result (ug/kg)</i>	<i>RPD</i>
OA10	0	2	Total DDT Compounds	4,300	3,800	12.3%
			Total PCBs	260	400	42.4%
	2	4	Total DDT Compounds	5,900	7,800	27.7%
			Total PCBs	210	680	105.6%
	4	6	Total DDT Compounds	10,000	11,000	9.5%
			Total PCBs	1,000	890	11.6%
	6	8	Total DDT Compounds	27,000	24,000	11.8%
			Total PCBs	3,400	1,600	72.0%
	8	12	Total DDT Compounds	54,000	70,000	25.8%
			Total PCBs	4,200	3,700	12.7%
	12	16	Total DDT Compounds	46,000	31,000	39.0%
			Total PCBs	2,700	1,800	40.0%
	16	20	Total DDT Compounds	18,000	5,500	106.4%
			Total PCBs	1,400	280	133.3%
	20	24	Total DDT Compounds	1,800	2,500	32.6%
			Total PCBs	140	200	35.3%
	24	28	Total DDT Compounds	840	580	36.6%
			Total PCBs	66	42	44.4%
	28	32	Total DDT Compounds	570	300	62.1%
			Total PCBs	51	16	104.5%
	32	36	Total DDT Compounds	93	1,100	168.8%
			Total PCBs	10	94	161.5%
	36	40	Total DDT Compounds	610	99	144.1%
			Total PCBs	54	8.8	143.9%
	40	44	Total DDT Compounds	120	270	76.9%
			Total PCBs	9.2	18	64.7%
	44	48	Total DDT Compounds	390	--	NA
			Total PCBs	42	--	NA
	48	52	Total DDT Compounds	25	--	NA
			Total PCBs	0	--	NA

Abbreviations

cm - centimeter

NA - not applicable

QCSR - Quality Control Summary Report

RPD - relative percent difference

ug/kg - micrograms per kilogram

Notes

1. "--" indicates the interval was not available due to differences in core lengths.
2. Bold indicates an RPD exceeding the 50% field replicate criterion presented in the QAPP (ITSI Gilbane, 2014). See QCSR in Appendix N for discussion of qualifications related to these results.

Table 7 - Sediment Field Replicate Relative Percent Deviation - Core OA11
First MNR Report
Palos Verdes Shelf - OU 5 of the Montrose Chemical Corp. Superfund Site
Los Angeles County, California

Core	Sample beginning depth (cm)	Sample ending depth (cm)	Analyte	Parent result (ug/kg)	Replicate result (ug/kg)	RPD
OA11	0	2	Total DDT Compounds	12,000	9,200	26.4%
			Total PCBs	750	680	9.8%
	2	4	Total DDT Compounds	6,200	11,000	55.8%
			Total PCBs	620	1,000	46.9%
	4	6	Total DDT Compounds	8,200	8,500	3.6%
			Total PCBs	760	740	2.7%
	6	8	Total DDT Compounds	7,500	8,500	12.5%
			Total PCBs	740	560	27.7%
	8	12	Total DDT Compounds	9,200	14,000	41.4%
			Total PCBs	1,100	1,200	8.7%
	12	16	Total DDT Compounds	17,000	20,000	16.2%
			Total PCBs	1,000	1,500	40.0%
	16	20	Total DDT Compounds	20,000	31,000	43.1%
			Total PCBs	1,500	3,900	88.9%
	20	24	Total DDT Compounds	35,000	120,000	109.7%
			Total PCBs	4,000	13,000	105.9%
	24	28	Total DDT Compounds	130,000	230,000	55.6%
			Total PCBs	12,000	19,000	45.2%
	28	32	Total DDT Compounds	240,000	190,000	23.3%
			Total PCBs	20,000	13,000	42.4%
	32	36	Total DDT Compounds	100,000	240,000	82.4%
			Total PCBs	7,200	12,000	50.0%
	36	40	Total DDT Compounds	120,000	120,000	0.0%
			Total PCBs	6,000	7,600	23.5%
	40	44	Total DDT Compounds	160,000	140,000	13.3%
			Total PCBs	6,700	5,100	27.1%
	44	48	Total DDT Compounds	68,000	99,000	37.1%
			Total PCBs	3,000	5,300	55.4%
	48	52	Total DDT Compounds	23,000	53,000	78.9%
			Total PCBs	970	2,100	73.6%
	52	56	Total DDT Compounds	26,000	23,000	12.2%
			Total PCBs	1,100	1,500	30.8%
	56	60	Total DDT Compounds	4,000	16,000	120.0%
			Total PCBs	450	1,700	116.3%
	60	64	Total DDT Compounds	1,900	3,000	44.9%
			Total PCBs	120	170	34.5%
	64	68	Total DDT Compounds	7,600	530	173.9%
			Total PCBs	580	64	160.2%
			Total PCBs	320	34	161.6%
	72	76	Total DDT Compounds	32	1,300	190.4%
				0.29	170	199.3%
	76	80	Total DDT Compounds	1,700	--	NA
			Total PCBs	140	--	NA

Abbreviations

cm - centimeter

NA - not applicable

QCSR - Quality Control Summary Report

RPD - relative percent difference

ug/kg - micrograms per kilogram

Notes

1. "--" indicates the interval was not available due to differences in core lengths.

2. **Bold** indicates an RPD exceeding the 50% field replicate criterion presented in the QAPP (ITSI Gilbane, 2014).

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Table 8 - Sediment Field Replicate Relative Percent Deviation - Core OA12
First MNR Report
Palos Verdes Shelf - OU 5 of the Montrose Chemical Corp. Superfund Site
Los Angeles County, California

<i>Core</i>	<i>Sample beginning depth (cm)</i>	<i>Sample ending depth (cm)</i>	<i>Analyte</i>	<i>Parent result (ug/kg)</i>	<i>Replicate result (ug/kg)</i>	<i>RPD</i>
OA12	0	2	Total DDT Compounds	2,700	2,800	3.6%
			Total PCBs	310	350	12.1%
	2	4	Total DDT Compounds	3,500	3,900	10.8%
			Total PCBs	410	450	9.3%
	4	6	Total DDT Compounds	3,500	4,400	22.8%
			Total PCBs	460	510	10.3%
	6	8	Total DDT Compounds	8,400	3,500	82.4%
			Total PCBs	1,000	410	83.7%
	8	12	Total DDT Compounds	25,000	20,000	22.2%
			Total PCBs	4,200	2,600	47.1%
	12	16	Total DDT Compounds	26,000	31,000	17.5%
			Total PCBs	3,000	2,700	10.5%
	16	20	Total DDT Compounds	16,000	15,000	6.5%
			Total PCBs	1,700	1,400	19.4%
	20	24	Total DDT Compounds	2,500	3,800	41.3%
			Total PCBs	210	350	50.0%
	24	28	Total DDT Compounds	1,400	1,200	15.4%
			Total PCBs	150	130	14.3%
	28	32	Total DDT Compounds	320	640	66.7%
			Total PCBs	31	68	74.7%
	32	36	Total DDT Compounds	16	1,300	195.1%
			Total PCBs	0	110	200.0%
	36	40	Total DDT Compounds	29	--	NA
			Total PCBs	0	--	NA

Abbreviations

cm - centimeter
NA - not applicable
QCSR - Quality Control Summary Report
RPD - relative percent difference
ug/kg - micrograms per kilogram

Notes

1. "--" indicates the interval was not available due to differences in core lengths.
2. Bold indicates an RPD exceeding the 50% field replicate criterion presented in the QAPP (ITSI Gilbane, 2014).
See QCSR in Appendix N for discussion of qualifications related to these results.

Table 9 - Sediment Field Replicate Relative Percent Deviation - Core OA16
First MNR Report
Palos Verdes Shelf - OU 5 of the Montrose Chemical Corp. Superfund Site
Los Angeles County, California

<i>Core</i>	<i>Sample beginning depth (cm)</i>	<i>Sample ending depth (cm)</i>	<i>Analyte</i>	<i>Parent result (ug/kg)</i>	<i>Replicate result (ug/kg)</i>	<i>RPD</i>
OA16	0	2	Total DDT Compounds	2,300	4,300	60.6%
			Total PCBs	220	370	50.8%
	2	4	Total DDT Compounds	2,600	4,100	44.8%
			Total PCBs	300	380	23.5%
	4	6	Total DDT Compounds	2,900	5,300	58.5%
			Total PCBs	390	530	30.4%
	6	8	Total DDT Compounds	4,400	8,200	60.3%
			Total PCBs	560	580	3.5%
	8	12	Total DDT Compounds	11,000	34,000	102.2%
			Total PCBs	1,700	1,800	5.7%
	12	16	Total DDT Compounds	40,000	31,000	25.4%
			Total PCBs	3,300	2,400	31.6%
	16	20	Total DDT Compounds	21,000	8,500	84.7%
			Total PCBs	1,500	620	83.0%
	20	24	Total DDT Compounds	4,400	2,200	66.7%
			Total PCBs	540	180	100.0%
	24	28	Total DDT Compounds	1,400	1,400	0.0%
			Total PCBs	150	110	30.8%
	28	32	Total DDT Compounds	520	2,200	123.5%
			Total PCBs	55	200	113.7%
	32	36	Total DDT Compounds	58	2,400	190.6%
			Total PCBs	0	220	200.0%
	36	40	Total DDT Compounds	380	4,400	168.2%
			Total PCBs	40	5,000	196.8%
	40	44	Total DDT Compounds	--	2,100	NA
			Total PCBs	--	170	NA
	44	48	Total DDT Compounds	--	300	NA
			Total PCBs	--	26	NA

Abbreviations

cm - centimeter

NA - not applicable

QCSR - Quality Control Summary Report

RPD - relative percent difference

ug/kg - micrograms per kilogram

Notes

1. "--" indicates the interval was not available due to differences in core lengths.
2. Bold indicates an RPD exceeding the 50% field replicate criterion presented in the QAPP (ITSI Gilbane, 2014). See QCSR in Appendix N for discussion of qualifications related to these results.

Table 10 - Sediment Field Replicate Relative Percent Deviation - Core OA22
First MNR Report
Palos Verdes Shelf - OU 5 of the Montrose Chemical Corp. Superfund Site
Los Angeles County, California

Core	Sample beginning depth (cm)	Sample ending depth (cm)	Analyte	Parent result (ug/kg)	Replicate result (ug/kg)	RPD
OA22	0	2	Total DDT Compounds	1,200	710	51.3%
			Total PCBs	110	100	9.5%
	2	4	Total DDT Compounds	1,500	860	54.2%
			Total PCBs	140	130	7.4%
	4	6	Total DDT Compounds	2,400	1,000	82.4%
			Total PCBs	210	130	47.1%
	6	8	Total DDT Compounds	3,200	1,000	104.8%
			Total PCBs	400	130	101.9%
	8	12	Total DDT Compounds	13,000	1,200	166.2%
			Total PCBs	1,500	340	126.1%
	12	16	Total DDT Compounds	14,000	2,800	133.3%
			Total PCBs	1,400	1,000	33.3%
	16	20	Total DDT Compounds	3,400	2,900	15.9%
			Total PCBs	340	640	61.2%
	20	24	Total DDT Compounds	1,100	1,800	48.3%
			Total PCBs	91	270	99.2%
	24	28	Total DDT Compounds	970	1,000	3.0%
			Total PCBs	89	150	51.0%
	28	32	Total DDT Compounds	440	880	66.7%
			Total PCBs	44	93	71.5%
	32	36	Total DDT Compounds	120	720	142.9%
			Total PCBs	9.9	94	161.9%
	36	40	Total DDT Compounds	--	250	NA
			Total PCBs	--	24	NA

Abbreviations

cm - centimeter

NA - not applicable

QCSR - Quality Control Summary Report

RPD - relative percent difference

ug/kg - micrograms per kilogram

Notes

1. "--" indicates the interval was not available due to differences in core lengths.
2. Bold indicates an RPD exceeding the 50% field replicate criterion presented in the QAPP (ITSI Gilbane, 2014). See QCSR in Appendix N for discussion of qualifications related to these results.

Sample be Sample ending depth Parent res Replicate result (ug/kg)

	N	FD	N	FD
BA2B	475.6	1001.6	480	1000
	92.76	90.39	93	90
	1811	1236	1800	1200
	120.03	118.79	120	120
	1424	Sample be Sample er	1400	Parent res Replicate result (ug/kg)
	174	177.11	170	180
	1625	1984	1600	2000
	156.58	169.17	160	170
	711	1205	710	1200
	75.33	90.61	75	91
	988	886	990	890
	121.28	75.75	120	76
	21.8	837	22	840
	0.53	30.3	0.53	30
	20.7	--	21	--
	0	--	0	--
	5.1	--	5.1	--
	0	--	0	--
	4.26	--	4.3	--
	0	--	0	--
BA4C	1430	2224	1400	2200
	129.73	181.58	130	180
	2151	2212	2200	2200
	218.05	219.46	220	220
	2690	2544	2700	2500
	238.15	235.55	240	240
	3619	3091	3600	3100
	248.34	310.85	250	310
	2924	3754	2900	3800
	219.65	421.4	220	420
	3378	4837	3400	4800
	241.2	390.11	240	390
	4121	5627	4100	5600
	437	607	440	610
	6585	9259	6600	9300
	668.5	912.5	670	910
	15580	47697	16000	48000
	1548.7	2544.2	1500	2500
	27880	52500	28000	53000
	3173.8	4115.9	3200	4100
	73130	44875	73000	45000
	4965.1	2988.1	5000	3000
	35592	12320	36000	12000
	2198.7	784.4	2200	780

6513	3000	6500	3000
521.7	258.7	520	260
2397	741	2400	740
181.5	69.85	180	70
4174	1378	4200	1400
307.4	135.53	310	140
1612	87.7	1600	88
171.17	9.7	170	9.7
1101	107.8	1100	110
101.42	10.01	100	10

BA5B	4849	5061	4800	5100
	420.9	422.03	420	420
	9190	9610	9200	9600
	984	903.9	980	900
	16720	16260	17000	16000
	1545.3	1733.2	1500	1700
	33540	37010	34000	37000
	5439.9	3005	5400	3000
	89330	68110	89000	68000
	4742.9	5974.4	4700	6000
	83810	133450	84000	130000
	2694.4	5829.7	2700	5800
	29486	71640	29000	72000
	812.4	2605.3	810	2600
	3576	10448	3600	10000
	156.98	505.23	160	510
	1654	7904	1700	7900
	98.15	762.5	98	760
	393	210.7	390	210
	21.89	32.97	22	33
	55.6	110.8	56	110
	1.38	11.95	1.4	12
	154.2	17.39	150	17
	9.07	0	9.1	0
	2213.2	95.1	2200	95
	142.46	13.52	140	14
	32.49	22.7	32	23
	0	0.82	0	0.82
	9.62	1196	9.6	1200
	0	136.02	0	140
	1.5	3.6	1.5	3.6
	0.14	0	0.14	0
	5.3	1.1	5.3	1.1
	0	0	0	0
	7.79	11.3	7.8	11
	0	0	0	0

--	3	--	3
--	0	--	0

OA05	3283	4946	3300	4900
	320	450.67	320	450
	3621	6880	3600	6900
	340.67	692.27	340	690
	3799	5046	3800	5000
	335.52	527.5	340	530
	5022	5973	5000	6000
	447.8	583.4	450	580
	8244	9378	8200	9400
	710	1012.2	710	1000
	8662	8792	8700	8800
	747.92	1200	750	1200
	11694	11583	12000	12000
	1465.5	1892.4	1500	1900
	20842	11320	21000	11000
	2842.1	2425.8	2800	2400
	22080	23930	22000	24000
	3282.7	3863.5	3300	3900
	49341	32330	49000	32000
	10444.8	7591.8	10000	7600
	78938	71280	79000	71000
	12597.5	16921	13000	17000
	144647	185700	140000	190000
	9122.8	24187	9100	24000
	155650	194880	160000	190000
	5104.6	16681	5100	17000
	109440	67122	110000	67000
	4170.9	5606.5	4200	5600
	74630	139520	75000	140000
	3508.9	8533	3500	8500
	47646	87860	48000	88000
	2003.5	6290	2000	6300
	13554	22802	14000	23000
	613.3	1715.8	610	1700
	10338	7121	10000	7100
	464.74	511.7	460	510
	3569.3	189.8	3600	190
	235.51	19.6	240	20
	1177.8	2784	1200	2800
	80.07	284.91	80	280
	478.3	533.5	480	530
	52.37	77.42	52	77
	93.4	35.76	93	36
	4.08	0	4.1	0

	48.01	19.9	48	20
	2.33	0	2.3	0
OA07	8178	4289	8200	4300
	681.5	552.1	680	550
	9435	18180	9400	18000
	943.1	1555.5	940	1600
	28506	25700	29000	26000
	3278	1598.3	3300	1600
	30436	53500	30000	54000
	3601.1	5541.6	3600	5500
	85700	53930	86000	54000
	7344.4	3755.8	7300	3800
	65969	116660	66000	120000
	6423.8	4933.3	6400	4900
	34083	35400	34000	35000
	3492.2	2266.7	3500	2300
	15032	12299	15000	12000
	1663.1	995.5	1700	1000
	8322	22020	8300	22000
	687.51	368.23	690	370
	1561.1	3462	1600	3500
	122.3	278.34	120	280
	694.5	566.2	690	570
	32.16	54.61	32	55
	1738.1	32.1	1700	32
	170.98	2.16	170	2.2
	54.4	3151	54	3200
	1.23	284.66	1.2	280
	678.8 --		680 --	
	56.8 --		57 --	
	12.4 --		12 --	
	0 --		0 --	
	13.9 --		14 --	
	0 --		0 --	
OA10	4306	3766	4300	3800
	260.7	404.48	260	400
	5858	7804	5900	7800
	212.59	679.5	210	680
	10260	10856	10000	11000
	1005.1	888.3	1000	890
	26510	24462	27000	24000
	3359.1	1574.5	3400	1600
	53550	70379	54000	70000
	4190.8	3661	4200	3700
	46250	30552	46000	31000

2715	1785.1	2700	1800
17824	5509	18000	5500
1402	277.75	1400	280
1849	2534	1800	2500
139.05	197.08	140	200
836	575.8	840	580
66.19	41.66	66	42
574.4	297.8	570	300
51.2	15.77	51	16
92.8	1105.1	93	1100
10.28	94.49	10	94
614	99.2	610	99
53.66	8.76	54	8.8
117.9	266.3	120	270
9.15	17.94	9.2	18
391.9 --		390 --	
41.79 --		42 --	
25.2 --		25 --	
0 --		0 --	

OA11	11955	9233	12000	9200
	750.7	678.3	750	680
	6168	10967	6200	11000
	615.1	1024.5	620	1000
	8180	8539	8200	8500
	757.1	737.86	760	740
	7497	8454	7500	8500
	743.5	562.4	740	560
	9235	14230	9200	14000
	1070	1201.5	1100	1200
	16612	20079	17000	20000
	1048.9	1536.7	1000	1500
	20277	30519	20000	31000
	1502.7	3929.9	1500	3900
	34900	116200	35000	120000
	3981.1	12846	4000	13000
	125320	230010	130000	230000
	11904	19146.3	12000	19000
	236280	189250	240000	190000
	19920.2	12688.7	20000	13000
	102510	239070	100000	240000
	7152	12203.9	7200	12000
	122490	121030	120000	120000
	5953.3	7586.9	6000	7600
	161980	136910	160000	140000
	6654.7	5064.8	6700	5100
	68290	99160	68000	99000

2963.7	5313.2	3000	5300
23006	53240	23000	53000
972.9	2109.5	970	2100
25990	22936	26000	23000
1123.9	1454	1100	1500
4011	16146	4000	16000
446.38	1667.4	450	1700
1876	2954.1	1900	3000
116.38	166.07	120	170
7552	526.2	7600	530
579.13	63.64	580	64
3226.1	323.7	3200	320
317.9	34.06	320	34
31.7	1289.7	32	1300
0.29	165.73	0.29	170
1741.2	--	1700	--
138.6	--	140	--

OA12	2679	2769	2700	2800
	309.58	345.01	310	350
	3460	3926	3500	3900
	406.23	454.53	410	450
	3530	4430	3500	4400
	457.61	509.84	460	510
	8420	3490	8400	3500
	1021.8	411.1	1000	410
	25420	19830	25000	20000
	4172.8	2629.3	4200	2600
	26487	30870	26000	31000
	2973.2	2655.4	3000	2700
	16214	14916	16000	15000
	1656.8	1361.1	1700	1400
	2522	3782	2500	3800
	211.8	351.58	210	350
	1419.6	1216	1400	1200
	148.6	131.22	150	130
	318.6	638.1	320	640
	31.11	68.22	31	68
	15.9	1250	16	1300
	0	114.09	0	110
	29.1	--	29	--
	0	--	0	--

OA16	2301.1	4267	2300	4300
	222.56	367.49	220	370
	2620.3	4136	2600	4100
	298.46	384.68	300	380

2910	5264	2900	5300
394.19	534.5	390	530
4351.8	8193	4400	8200
562	576.5	560	580
10988	33594	11000	34000
1747.1	1833.1	1700	1800
39625	30559	40000	31000
3292.3	2381	3300	2400
21163	8477	21000	8500
1530.5	618.29	1500	620
4360	2240	4400	2200
536.8	179.9	540	180
1388	1366	1400	1400
146.6	112	150	110
524.3	2212	520	2200
54.89	204.14	55	200
57.62	2444	58	2400
0	221.73	0	220
376.1	4419	380	4400
40.14	5019.75	40	5000
--	2097	--	2100
--	172.45	--	170
--	299.1	--	300
--	25.9	--	26

OA22	1240	713.4	1200	710
	107.94	102.92	110	100
	1512	861.2	1500	860
	143.99	129.89	140	130
	2446	1014.9	2400	1000
	212.43	125.9	210	130
	3151	1030	3200	1000
	402.19	128.16	400	130
	12680	1184	13000	1200
	1538.9	337.23	1500	340
	13683	2759	14000	2800
	1399	1041.6	1400	1000
	3383	2850	3400	2900
	336.4	635.4	340	640
	1075.1	1778.6	1100	1800
	90.8	273.1	91	270
	970.6	1044	970	1000
	89.33	148.66	89	150
	440.7	877.3	440	880
	43.7	92.57	44	93
	124	718.6	120	720
	9.93	93.53	9.9	94

--	248.6	--	250
--	23.5	--	24