

Surrogate Summary

SDG No.: **Q3450**

Client: **Matrix New World Engineering**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PO114870.D	PIBLK-PO114870.D	Tetrachloro-m-xyl	1	20	15.5	77		70 (60)	130 (140)
		Decachlorobiphen	1	20	16.8	84		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	16.2	81		70 (60)	130 (140)
		Decachlorobiphen	2	20	17.3	86		70 (60)	130 (140)
I.BLK-PO115035.D	PIBLK-PO115035.D	Tetrachloro-m-xyl	1	20	19.6	98		70 (60)	130 (140)
		Decachlorobiphen	1	20	19.5	98		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	19.8	99		70 (60)	130 (140)
		Decachlorobiphen	2	20	21.2	106		70 (60)	130 (140)
PB170497BL	PB170497BL	Tetrachloro-m-xyl	1	20	22.0	110		30 (21)	150 (165)
		Decachlorobiphen	1	20	21.6	108		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	21.4	107		30 (21)	150 (165)
		Decachlorobiphen	2	20	23.0	115		30 (10)	150 (170)
PB170497BS	PB170497BS	Tetrachloro-m-xyl	1	20	21.8	109		30 (21)	150 (165)
		Decachlorobiphen	1	20	21.3	107		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	20.2	101		30 (21)	150 (165)
		Decachlorobiphen	2	20	22.6	113		30 (10)	150 (170)
Q3597-01MS	TP-1MS	Tetrachloro-m-xyl	1	20	25.9	130		30 (30)	150 (150)
		Decachlorobiphen	1	20	24.3	122		30 (30)	150 (150)
		Tetrachloro-m-xyl	2	20	25.0	125		30 (30)	150 (150)
		Decachlorobiphen	2	20	25.9	130		30 (30)	150 (150)
Q3597-01MSD	TP-1MSD	Tetrachloro-m-xyl	1	20	26.0	130		30 (30)	150 (150)
		Decachlorobiphen	1	20	24.2	121		30 (30)	150 (150)
		Tetrachloro-m-xyl	2	20	25.1	125		30 (30)	150 (150)
		Decachlorobiphen	2	20	26.1	130		30 (30)	150 (150)
Q3450-07	SS-13R-(4.5-5.0)	Tetrachloro-m-xyl	1	20	23.1	116		30 (21)	150 (165)
		Decachlorobiphen	1	20	21.1	106		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	23.4	117		30 (21)	150 (165)
		Decachlorobiphen	2	20	22.9	115		30 (10)	150 (170)
I.BLK-PO115050.D	PIBLK-PO115050.D	Tetrachloro-m-xyl	1	20	19.6	98		70 (60)	130 (140)
		Decachlorobiphen	1	20	19.6	98		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	19.6	98		70 (60)	130 (140)
		Decachlorobiphen	2	20	20.9	105		70 (60)	130 (140)
I.BLK-PP075887.D	PIBLK-PP075887.D	Tetrachloro-m-xyl	1	20	19.9	100		70 (60)	130 (140)
		Decachlorobiphen	1	20	20.4	102		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	18.8	94		70 (60)	130 (140)
		Decachlorobiphen	2	20	19.3	96		70 (60)	130 (140)
I.BLK-PP076046.D	PIBLK-PP076046.D	Tetrachloro-m-xyl	1	20	20.6	103		70 (60)	130 (140)
		Decachlorobiphen	1	20	23.6	118		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	17.6	88		70 (60)	130 (140)
		Decachlorobiphen	2	20	20.1	101		70 (60)	130 (140)
Q3450-10	SS-20-(3.5-4.0)	Tetrachloro-m-xyl	1	20	24.1	121		30 (21)	150 (165)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: Q3450

Client: Matrix New World Engineering

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
Q3450-10	SS-20-(3.5-4.0)	Decachlorobiphen	1	20	25.8	129		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	23.0	115		30 (21)	150 (165)
Q3450-11	SS-28-(2.0-2.5)	Decachlorobiphen	2	20	22.4	112		30 (10)	150 (170)
		Tetrachloro-m-xyl	1	20	23.3	116		30 (21)	150 (165)
		Decachlorobiphen	1	20	25.0	125		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	22.7	113		30 (21)	150 (165)
Q3450-20	SS-21-(0.0-0.5)	Decachlorobiphen	2	20	22.0	110		30 (10)	150 (170)
		Tetrachloro-m-xyl	1	20	24.0	120		30 (21)	150 (165)
		Decachlorobiphen	1	20	25.0	125		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	22.6	113		30 (21)	150 (165)
Q3450-21	SS-21-(2.0-2.5)	Decachlorobiphen	2	20	21.8	109		30 (10)	150 (170)
		Tetrachloro-m-xyl	1	20	24.5	123		30 (21)	150 (165)
		Decachlorobiphen	1	20	26.4	132		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	22.6	113		30 (21)	150 (165)
Q3450-22	SS-21-(3.5-4.0)	Decachlorobiphen	2	20	23.4	117		30 (10)	150 (170)
		Tetrachloro-m-xyl	1	20	20.1	100		30 (21)	150 (165)
		Decachlorobiphen	1	20	17.2	86		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	19.0	95		30 (21)	150 (165)
I.BLK-PP076061.D	PIBLK-PP076061.D	Decachlorobiphen	2	20	15.1	76		30 (10)	150 (170)
		Tetrachloro-m-xyl	1	20	20.9	104		70 (60)	130 (140)
		Decachlorobiphen	1	20	23.7	119		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	18.2	91		70 (60)	130 (140)
I.BLK-PP076067.D	PIBLK-PP076067.D	Decachlorobiphen	2	20	21.0	105		70 (60)	130 (140)
		Tetrachloro-m-xyl	1	20	22.1	110		70 (60)	130 (140)
		Decachlorobiphen	1	20	22.4	112		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	18.9	95		70 (60)	130 (140)
PB170236BL	PB170236BL	Decachlorobiphen	2	20	18.2	91		70 (60)	130 (140)
		Tetrachloro-m-xyl	1	20	27.3	137		30 (21)	150 (165)
		Decachlorobiphen	1	20	29.0	145		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	26.1	130		30 (21)	150 (165)
PB170236BS	PB170236BS	Decachlorobiphen	2	20	25.2	126		30 (10)	150 (170)
		Tetrachloro-m-xyl	1	20	26.7	134		30 (21)	150 (165)
		Decachlorobiphen	1	20	28.6	143		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	21.3	107		30 (21)	150 (165)
Q3450-20DL	SS-21-(0.0-0.5)DL	Decachlorobiphen	2	20	24.3	121		30 (10)	150 (170)
		Tetrachloro-m-xyl	1	20	21.4	107		30 (21)	150 (165)
		Decachlorobiphen	1	20	24.8	124		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	20.5	103		30 (21)	150 (165)
Q3450-22DL	SS-21-(3.5-4.0)DL	Decachlorobiphen	2	20	19.4	97		30 (10)	150 (170)
		Tetrachloro-m-xyl	1	20	21.6	108		30 (21)	150 (165)
		Decachlorobiphen	1	20	17.5	88		30 (10)	150 (170)

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Surrogate Summary

SDG No.: **Q3450**

Client: **Matrix New World Engineering**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
Q3450-22DL	SS-21-(3.5-4.0)DL	Tetrachloro-m-xyl	2	20	19.7	99		30 (21)	150 (165)
		Decachlorobiphen	2	20	13.8	69		30 (10)	150 (170)
I.BLK-PP076082.D	PIBLK-PP076082.D	Tetrachloro-m-xyl	1	20	18.9	95		70 (60)	130 (140)
		Decachlorobiphen	1	20	20.4	102		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	17.1	86		70 (60)	130 (140)
		Decachlorobiphen	2	20	16.7	83		70 (60)	130 (140)
I.BLK-PP076275.D	PIBLK-PP076275.D	Tetrachloro-m-xyl	1	20	21.6	108		70 (60)	130 (140)
		Decachlorobiphen	1	20	21.0	105		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	19.3	97		70 (60)	130 (140)
		Decachlorobiphen	2	20	17.5	87		70 (60)	130 (140)
PB170358BL	PB170358BL	Tetrachloro-m-xyl	1	20	28.4	142		30 (21)	150 (165)
		Decachlorobiphen	1	20	27.5	138		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	25.8	129		30 (21)	150 (165)
		Decachlorobiphen	2	20	23.1	115		30 (10)	150 (170)
PB170358BS	PB170358BS	Tetrachloro-m-xyl	1	20	27.9	140		30 (21)	150 (165)
		Decachlorobiphen	1	20	25.9	130		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	24.7	123		30 (21)	150 (165)
		Decachlorobiphen	2	20	21.8	109		30 (10)	150 (170)
Q3450-04	SS-10R-(3.5-4.0)	Tetrachloro-m-xyl	1	20	17.1	86		30 (21)	150 (165)
		Decachlorobiphen	1	20	13.4	67		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	15.2	76		30 (21)	150 (165)
		Decachlorobiphen	2	20	10.9	55		30 (10)	150 (170)
Q3450-04MS	SS-10R-(3.5-4.0)MS	Tetrachloro-m-xyl	1	20	25.4	127		30 (21)	150 (165)
		Decachlorobiphen	1	20	22.3	112		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	22.8	114		30 (21)	150 (165)
		Decachlorobiphen	2	20	19.4	97		30 (10)	150 (170)
Q3450-04MSD	SS-10R-(3.5-4.0)MSD	Tetrachloro-m-xyl	1	20	24.5	123		30 (21)	150 (165)
		Decachlorobiphen	1	20	21.6	108		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	21.9	110		30 (21)	150 (165)
		Decachlorobiphen	2	20	18.2	91		30 (10)	150 (170)
Q3450-05	SS-13R-(3.5-4.0)	Tetrachloro-m-xyl	1	20	22.7	114		30 (21)	150 (165)
		Decachlorobiphen	1	20	21.2	106		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	21.4	107		30 (21)	150 (165)
		Decachlorobiphen	2	20	17.6	88		30 (10)	150 (170)
Q3450-06	SS-13R-(5.0-5.5)	Tetrachloro-m-xyl	1	20	22.4	112		30 (21)	150 (165)
		Decachlorobiphen	1	20	20.1	101		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	21.6	108		30 (21)	150 (165)
		Decachlorobiphen	2	20	16.8	84		30 (10)	150 (170)
Q3450-23	SS-22-(0.0-0.5)	Tetrachloro-m-xyl	1	20	22.0	110		30 (21)	150 (165)
		Decachlorobiphen	1	20	19.4	97		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	20.4	102		30 (21)	150 (165)

Surrogate Summary

SDG No.: **Q3450**

Client: **Matrix New World Engineering**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
Q3450-23	SS-22-(0.0-0.5)	Decachlorobiphen	2	20	15.9	80		30 (10)	150 (170)
Q3450-25	SS-22-(3.5-4.0)	Tetrachloro-m-xyl	1	20	19.7	98		30 (21)	150 (165)
		Decachlorobiphen	1	20	13.6	68		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	18.4	92		30 (21)	150 (165)
		Decachlorobiphen	2	20	11.0	55		30 (10)	150 (170)
I.BLK-PP076290.D	PIBLK-PP076290.D	Tetrachloro-m-xyl	1	20	22.0	110		70 (60)	130 (140)
		Decachlorobiphen	1	20	21.1	106		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	19.2	96		70 (60)	130 (140)
		Decachlorobiphen	2	20	17.5	88		70 (60)	130 (140)
I.BLK-PP076296.D	PIBLK-PP076296.D	Tetrachloro-m-xyl	1	20	20.1	101		70 (60)	130 (140)
		Decachlorobiphen	1	20	21.1	105		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	17.7	88		70 (60)	130 (140)
		Decachlorobiphen	2	20	18.8	94		70 (60)	130 (140)
Q3450-23DL	SS-22-(0.0-0.5)DL	Tetrachloro-m-xyl	1	20	15.8	79		30 (21)	150 (165)
		Decachlorobiphen	1	20	16.4	82		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	11.3	57		30 (21)	150 (165)
		Decachlorobiphen	2	20	11.9	59		30 (10)	150 (170)
I.BLK-PP076308.D	PIBLK-PP076308.D	Tetrachloro-m-xyl	1	20	20.4	102		70 (60)	130 (140)
		Decachlorobiphen	1	20	19.9	99		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	19.0	95		70 (60)	130 (140)
		Decachlorobiphen	2	20	15.1	76		70 (60)	130 (140)
I.BLK-PQ070972.D	PIBLK-PQ070972.D	Tetrachloro-m-xyl	1	20	18.3	91		70 (60)	130 (140)
		Decachlorobiphen	1	20	19.0	95		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	19.1	96		70 (60)	130 (140)
		Decachlorobiphen	2	20	19.4	97		70 (60)	130 (140)
I.BLK-PQ071150.D	PIBLK-PQ071150.D	Tetrachloro-m-xyl	1	20	22.5	113		70 (60)	130 (140)
		Decachlorobiphen	1	20	25.7	129		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	19.9	100		70 (60)	130 (140)
		Decachlorobiphen	2	20	24.5	122		70 (60)	130 (140)
Q3450-01	SS-5R-(2.0-2.5)	Tetrachloro-m-xyl	1	20	27.2	136		30 (21)	150 (165)
		Decachlorobiphen	1	20	28.0	140		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	24.5	122		30 (21)	150 (165)
		Decachlorobiphen	2	20	27.0	135		30 (10)	150 (170)
Q3450-02	SS-5R-(3.5-4.0)	Tetrachloro-m-xyl	1	20	27.0	135		30 (21)	150 (165)
		Decachlorobiphen	1	20	25.4	127		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	23.8	119		30 (21)	150 (165)
		Decachlorobiphen	2	20	24.9	124		30 (10)	150 (170)
Q3450-02MS	SS-5R-(3.5-4.0)MS	Tetrachloro-m-xyl	1	20	23.4	117		30 (21)	150 (165)
		Decachlorobiphen	1	20	22.4	112		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	18.7	94		30 (21)	150 (165)
		Decachlorobiphen	2	20	20.7	104		30 (10)	150 (170)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: **Q3450**

Client: **Matrix New World Engineering**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
Q3450-02MSD	SS-5R-(3.5-4.0)MSD	Tetrachloro-m-xyl	1	20	25.7	128		30 (21)	150 (165)
		Decachlorobiphen	1	20	24.0	120		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	22.2	111		30 (21)	150 (165)
		Decachlorobiphen	2	20	22.9	114		30 (10)	150 (170)
Q3450-08	SS-20-(0.0-0.5)	Tetrachloro-m-xyl	1	20	26.8	134		30 (21)	150 (165)
		Decachlorobiphen	1	20	28.1	140		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	25.1	125		30 (21)	150 (165)
		Decachlorobiphen	2	20	26.6	133		30 (10)	150 (170)
Q3450-09	SS-20-(2.0-2.5)	Tetrachloro-m-xyl	1	20	27.2	136		30 (21)	150 (165)
		Decachlorobiphen	1	20	27.4	137		30 (10)	150 (170)
		Tetrachloro-m-xyl	2	20	24.9	125		30 (21)	150 (165)
		Decachlorobiphen	2	20	26.3	132		30 (10)	150 (170)
I.BLK-PQ071165.D	PIBLK-PQ071165.D	Tetrachloro-m-xyl	1	20	20.3	102		70 (60)	130 (140)
		Decachlorobiphen	1	20	23.5	117		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	18.4	92		70 (60)	130 (140)
		Decachlorobiphen	2	20	22.2	111		70 (60)	130 (140)