Summary of MSC Change Factors

This table provides a summary of the factors that resulted in changes to Medium Specific Concentrations (MSCs) relating to the revisions of the Chapter 250 Land Recycling Program regulations, January 2010.

Keys:

Code	Explanation
AqSol	Aqueous solubility value was changed.
CSFo	CSFo value was changed.
DEL	This compound is deleted from the main tables (Tables 1 - 5) and moved into Table 6 as a new Threshold of Regulation Compound.
Fc	RAGS Volume I, Part F methodology would affect the inhalation cancer risk calculations.
Fnc	RAGS Volume I, Part F methodology would affect the inhalation non-cancer risk calculations.
HAL	HAL value was changed.
IUR	IUR value was changed.
K	Degradation coefficient (K) was changed.
Kd	Kd value was changed.
Koc	Koc value was changed.
Liq	Organic liquid designation was changed.
Mut	Mutagen
MCL	MCL value was changed.
NEW	This is a new compound added to the list.
RfC	RfC value was changed.
RfDo	RfDo value was changed.
rrCSFo	CSFo value was deleted due to the abolishment of the route-to-route extrapolation practice. This can be considered as a subset of the CSFo value change.
rrIUR	Inhalation Cancer Slope Factor (CSFi) value was deleted due to the abolishment of the route-to-route extrapolation practice. This can be considered as a subset of the IUR value change.
rrRfC	Inhalation Reference Dose (RfDi) value was deleted due to the abolishment of the route-to-route extrapolation practice. This can be considered as a subset of the RfC value change.
rrRfDo	RfDo value was deleted due to the abolishment of the route-to-route extrapolation practice. This can be considered as a subset of the RfDo value change.
SMCL	SMCL value was changed.
TF	Transfer factor values (for volatilization from surface soil and subsurface soil) were changed.
TR	This compound is added to the main tables (Tables 1 - 5) from Table 6 (relating to Threshold of Regulation Compound).
VOC	Volatile organic compound (VOC) designation was changed.

CHEMNAME	Factors that may cause the MSC changes
ACENAPHTHENE	rrRfC
ACENAPHTHYLENE	rrRfC
ACEPHATE	None
ACETALDEHYDE	RfC, rrCSFo, Fnc, Fc
ACETONE	RfDo, Fnc
ACETONITRILE	Fnc
ACETOPHENONE	rrRfC
ACETYLAMINOFLUORENE, 2- (2AAF)	IUR, Fc
ACROLEIN	RfDo, Fnc
ACRYLAMIDE	rrRfC, Fc, Liq
ACRYLIC ACID	Fnc
ACRYLONITRILE	RfDo, Fnc, Fc
ALACHLOR	rrRfC, CSFo, rrIUR
ALDICARB	rrRfC, MCL
ALDICARB SULFONE	NEW, RfDo, MCL
ALDICARB SULFOXIDE	NEW, RfDo, MCL
ALDRIN	rrRfC, Fc
ALLYL ALCOHOL	RfC, Fnc
ALUMINUM	RfC, Fnc, Kd
AMETRYN	NEW, RfDo, HAL
AMINOBIPHENYL, 4-	Fc
AMITROLE	Fc
AMMONIA	Fnc
AMMONIUM SULFAMATE	rrRfC
ANILINE	Fnc, Fc
ANTHRACENE	rrRfC
ANTIMONY	RfC
ARSENIC	RfC, Fnc, Fc, MCL
ASBESTOS (fibers/L)	None
ATRAZINE	rrRfC, CSFo, rrIUR
AZINPHOS-METHYL (GUTHION)	TR, RfDo, RfC, Fnc
BARIUM AND COMPOUNDS	RfDo, RfC, Fnc
BAYGON (PROPOXUR)	rrRfC
BENOMYL	None
BENTAZON	HAL
BENZENE	RfDo, RfC, CSFo, IUR, Fnc, Fc
BENZIDINE	rrRfC, IUR, Mut, Fc
BENZO[A]ANTHRACENE	IUR, Mut, Fc
BENZO[A]PYRENE	IUR, Mut, Fc
BENZO[B]FLUORANTHENE	IUR, Mut, Fc
BENZO[GHI]PERYLENE	RfC
BENZO[K]FLUORANTHENE	IUR, Mut, Fc
BENZOIC ACID	rrRfC
BENZOTRICHLORIDE	None
BENZYL ALCOHOL	RfDo, rrRfC
BENZYL CHLORIDE	RfDo, RfC, Fnc, Fc
BERYLLIUM	Fnc, Fc
BETA PROPIOLACTONE	TR, CSFo, IUR, Fc
BHC, ALPHA	RfC, Fc
BHC, BETA-	RfDo, rrRfC, Fc
BHC, DELTA-	DEL, RfDo, RfC
BHC, GAMMA (LINDANE)	rrRfC, CSFo, Fc
BIPHENYL, 1,1-	rrRfC
BIS(2-CHLOROETHOXY)METHANE	TR, RfDo

CHEMNAME	Factors that may cause the MSC changes
BIS(2-CHLOROETHYL)ETHER	Fc
BIS(2-CHLORO-ISOPROPYL)ETHER	rrRfC, Fc
BIS(CHLOROMETHYL)ETHER	Fc
BIS[2-ETHYLHEXYL] PHTHALATE	rrRfC, IUR, Fc
BISPHENOL A	None
BORON AND COMPOUNDS	RfDo, Fnc, Kd
BROMACIL	HAL
BROMOCHLOROMETHANE	None
BROMODICHLOROMETHANE	rrRfC, Fc, MCL
BROMOMETHANE	RfC, Fnc
BROMOXYNIL	None
BROMOXYNIL OCTANOATE	None
BUTADIENE, 1,3-	RfC, IUR, Fnc, Fc, VOC, Liq
BUTYL ALCOHOL, N-	rrRfC
BUTYLATE	HAL
BUTYLBENZENE, N-	None
BUTYLBENZENE, SEC-	None
BUTYLBENZENE, TERT-	None
BUTYLBENZYL PHTHALATE	rrRfC, CSFo
CADMIUM	RfC, CSFo, Fnc, Fc
CAPTAN	rrRfC, CSFo, Fc
CARBARYL	rrRfC, HAL
CARBAZOLE	None
CARBOFURAN	rrRfC
CARBON DISULFIDE	Fnc
CARBON TETRACHLORIDE	RfC, Fnc, Fc
CARBOXIN	None
CHLORAMBEN	rrRfC
CHLORDANE	Fnc, Fc, K
CHLORIDE	None
CHLORO-1,1-DIFLUOROETHANE, 1-	Fnc, VOC, Liq
CHLORO-1-PROPENE, 3- (ALLYL CHLORIDE)	rrRfDo, Fnc, Fc
CHLOROACETOPHENONE, 2-	rrRfDo, Fnc
CHLOROANILINE, P-	rrRfC, CSFo
CHLOROBENZENE	RfC, Fnc, TF
CHLOROBENZILATE	rrRfC, CSFo, IUR, Fc, Liq
CHLOROBUTANE, 1-	RfDo
CHLORODIBROMOMETHANE	rrRfC, Fc, MCL
CHLORODIFLUOROMETHANE	RfC, Fnc, HAL, Liq
CHLOROETHANE	rrIUR, Fnc
CHLOROFORM	RfC, CSFo, Fnc, Fc, MCL
CHLORONAPHTHALENE, 2-	rrRfC
CHLORONITROBENZENE, P-	RfDo, RfC, CSFo, Fnc
CHLOROPHENOL, 2-	rrRfC
CHLOROPRENE	Fnc
CHLOROPROPANE, 2-	Fnc
CHLOROTHALONIL	CSFo, Fc
CHLOROTOLUENE, O-	None
CHLOROTOLUENE, P-	NEW, RfDo, HAL
CHLORPYRIFOS	rrRfC, HAL
CHLORSULFURON	AqSol
CHLORTHAL-DIMETHYL (DACTHAL) (DCPA)	HAL
CHROMIUM (TOTAL)	None
CHROMIUM III	None

CHEMNAME	Factors that may cause the MSC changes
CHROMIUM VI	RfC, CSFo, IUR, Fnc, Fc
CHRYSENE	IUR, Mut, Fc, K
COBALT	RfDo, RfC, IUR, Fnc, Fc, Kd
COPPER	Kd
CRESOL(S)	RfC, Fnc
CRESOL, 0- (METHYLPHENOL, 2-)	Liq, Koc
CRESOL, M (METHYLPHENOL, 3-)	None
CRESOL, P (METHYLPHENOL, 4-)	None
CRESOL, P-CHLORO-M-	None
CROTONALDEHYDE	rrIUR, TF
CROTONALDEHYDE, TRANS-	rrIUR
CUMENE	RfC, Fnc
CYANAZINE	NEW, RfDo, CSFo, HAL
CYANIDE, TOTAL	RfC
CYCLOHEXANE	TR, RfC, Fnc
CYCLOHEXANONE	rrRfC
CYFLUTHRIN	VOC, Liq
CYROMAZINE	None
DDD, 4,4'-	RfDo, Fc
DDE, 4,4'-	Fc
DDT, 4,4'-	rrRfC, Fc
DI(2-ETHYLHEXYL)ADIPATE	None
DIALLATE	rrIUR, VOC
DIAMINOTOLUENE, 2,4-	CSFo, IUR, Fc
DIAZINON	RfDo, rrRfC, HAL, Liq
DIBENZO[A,H]ANTHRACENE	IUR, Mut, Fc
DIBENZOFURAN	TR, RfDo
DIBROMO-3-CHLOROPROPANE, 1,2-	RfDo, CSFo, IUR, Mut, Fnc, Fc
DIBROMOBENZENE, 1,4-	None
DIBROMOETHANE, 1,2- (ETHYLENE DIBROMIDE)	RfDo, RfC, CSFo, IUR, Fnc, Fc
DIBROMOMETHANE	rrRfC
DIBUTYL PHTHALATE, N-	rrRfC
DICAMBA	NEW, RfDo, HAL
DICHLORO-2-BUTENE, 1,4-	IUR, Fc, VOC, Liq
DICHLORO-2-BUTENE, TRANS-1,4-	TR, IUR, Fc
DICHLOROACETIC ACID	NEW, RfDo, MCL
DICHLOROBENZENE, 1,2-	Fnc
DICHLOROBENZENE, 1,3-	RfDo
DICHLOROBENZENE, P-	RfDo, CSFo, IUR, Fnc, Fc, VOC
DICHLOROBENZIDINE, 3,3'-	Fc
DICHLORODIFLUOROMETHANE (FREON 12)	Fnc
DICHLOROETHANE, 1,1-	RfDo, Fnc, Fc
DICHLOROETHANE, 1,2-	RfDo, RfC, Fnc, Fc, K
DICHLOROETHYLENE, 1,1-	RfDo, RfC, CSFo, IUR, Fnc
DICHLOROETHYLENE, CIS-1,2-	rrRfC
DICHLOROETHYLENE, TRANS-1,2-	RfC, Fnc
DICHLOROMETHANE (METHYLENE CHLORIDE)	RfC, Fnc, Fc
DICHLOROPHENOL, 2,4-	rrRfC
DICHLOROPHENOXYACETIC ACID, 2,4- (2,4-D)	rrRfC
DICHLOROPROPANE, 1,2-	RfC, CSFo, IUR, Fnc, Fc
DICHLOROPROPENE, 1,3-	Fnc, Fc
DICHLOROPROPIONIC ACID (DALAPON), 2,2-	rrRfC
DICHLORVOS	Fnc, Fc, Liq
DICYCLOPENTADIENE	RfDo, RfC, Fnc, Liq, TF

CHEMNAME	Factors that may cause the MSC changes
DIELDRIN	rrRfC, Fc, Liq
DIETHANOLAMINE	TR, RfC, Fnc
DIETHYL PHTHALATE	rrRfC, HAL
DIFLUBENZURON	None
DIISOPROPYL METHYLPHOSPHONATE	NEW, RfDo, HAL
DIMETHOATE	rrRfC
DIMETHOXYBENZIDINE, 3,3-	None
DIMETHRIN	NEW, RfDo, HAL
DIMETHYL METHYLPHOSPHONATE	NEW, RfDo, CSFo, HAL
DIMETHYLAMINOAZOBENZENE, P-	Fc
DIMETHYLANILINE, N,N-	None
DIMETHYLBENZIDINE, 3,3-	CSFo, rrIUR, Liq
DIMETHYLPHENOL, 2,4-	rrRfC
DINITROBENZENE, 1,3-	rrRfC
DINITRO-O-CRESOL, 4,6-	TR, RfDo
DINITROPHENOL, 2,4-	rrRfC
DINITROTOLUENE, 2,4-	rrRfC, Fc
DINITROTOLUENE, 2,6- (2,6-DNT)	rrRfC
DINOSEB	rrRfC
DIOXANE, 1,4-	RfDo, RfC, Fnc, Fc
DIPHENAMID	None
DIPHENYLAMINE	rrRfC, HAL
DIPHENYLHYDRAZINE, 1,2-	Fc
DIQUAT	rrRfC
DISULFOTON	rrRfC, HAL, VOC
DITHIANE, 1,4-	NEW, RfDo, HAL
DIURON	rrRfC, HAL
ENDOSULFAN	rrRfC
ENDOSULFAN I (ALPHA)	rrRfC
ENDOSULFAN II (BETA)	rrRfC
ENDOSULFAN SULFATE	rrRfC
ENDOTHALL	rrRfC
ENDRIN	rrRfC
EPICHLOROHYDRIN	RfDo, Fnc, Fc
ETHEPHON	None
ETHION	rrRfC
ETHOXYETHANOL, 2- (EGEE)	Fnc
ETHYL ACETATE	rrRfC
ETHYL ACRYLATE	rrIUR
ETHYL BENZENE (ETHYLBENZENE)	Fnc
ETHYL DIPROPYLTHIOCARBAMATE, S- (EPTC)	None
ETHYL ETHER	rrRfC
ETHYL METHACRYLATE	rrRfC, VOC, Liq
ETHYLENE GLYCOL	RfC, Fnc
ETHYLENE THIOUREA (ETU)	rrRfC, CSFo, IUR, Fc, HAL
ETHYLP-NITROPHENYL PHENYLPHOSPHOROTHIOATE	None
FENAMIPHOS	rrRfC, HAL
FENVALERATE (PYDRIN)	None
FLUOMETURON	None
FLUORANTHENE	rrRfC
FLUORENE	rrRfC
FLUORIDE	RfDo, RfC, Fnc, MCL
FLUOROTRICHLOROMETHANE (FREON 11)	Fnc
FONOFOS	rrRfC, VOC

CHEMNAME	Factors that may cause the MSC changes
FORMALDEHYDE	RfC, rrCSFo, Fnc, Fc
FORMIC ACID	RfC, Fnc
FOSETYL-AL	None
FURAN	rrRfC
FURFURAL	Fnc
GLYPHOSATE	rrRfC
HEPTACHLOR	rrRfC, Fc
HEPTACHLOR EPOXIDE	rrRfC, Fc
HEXACHLOROBENZENE	rrRfC, Fc
HEXACHLOROBUTADIENE	RfDo, rrRfC, Fc, HAL
HEXACHLOROCYCLOPENTADIENE	RfC, Fnc
HEXACHLOROETHANE	rrRfC, Fc, VOC
HEXANE	RfC, Fnc
HEXANONE, 2- (METHYL N-BUTYL KETONE)	TR, RfDo, RfC, Fnc
HEXAZINONE	NEW, RfDo, HAL
HEXYTHIAZOX (SAVEY)	None
HMX	NEW, RfDo, HAL
HYDRAZINE/HYDRAZINE SULFATE	RfC, Fnc, Fc
HYDROQUINONE	rrRfC, CSFo
INDENO[1,2,3-CD]PYRENE	IUR, Mut, Fc
IPRODIONE	None
IRON	RfDo, RfC, Kd
ISOBUTYL ALCOHOL	rrRfC
ISOPHORONE	RfC, rrIUR, Fnc
ISOPROPYL METHYLPHOSPHONATE	NEW, RfDo, HAL
KEPONE	Fc
LEAD	Fc, Kd
LITHIUM	TR, RfDo
MALATHION	rrRfC, VOC
MALEIC HYDRAZIDE	rrRfC
MANEB	None
MANGANESE	RfDo, Fnc, HAL, Kd
MERCURY	RfDo, Fnc
MERPHOS OXIDE	VOC
METHACRYLONITRILE	Fnc
METHAMIDOPHOS	None
METHANOL	RfC, Fnc
METHOMYL	rrRfC
METHOXYCHLOR	rrRfC
METHOXYETHANOL, 2-	RfDo, Fnc
METHYL ACETATE	None
METHYL ACRYLATE	None
METHYL CHLORIDE	RfC, Fnc, Fc, HAL
METHYL ETHYL KETONE	RfC, Fnc, HAL
METHYL ISOBUTYL KETONE	RfC, Fnc
METHYL ISOCYANATE	TR, RfC, Fnc
METHYL METHACRYLATE	Fnc
METHYL METHANESULFONATE	Fc, Liq
METHYL PARATHION	rrRfC, HAL, VOC, Liq
METHYL STYRENE (MIXED ISOMERS)	RfC, Fnc, VOC, Liq
METHYL TERT-BUTYL ETHER (MTBE)	rrRfDo, IUR, Fnc, Fc
METHYLCHLOROPHENOXYACETIC ACID (MCPA)	TR, RfDo, HAL
METHYLENE BIS(2-CHLOROANILINE), 4,4'-	RfDo, rrRfC, CSFo, IUR, Mut, Fc
METHYLNAPHTHALENE, 2-	RfDo, Fnc, Liq

CHEMNAME	Factors that may cause the MSC changes
METHYLSTYRENE, ALPHA	TF
METOLACHLOR	NEW, RfDo, HAL
METRIBUZIN	NEW, RfDo, HAL
MOLYBDENUM	NEW, RfDo, HAL
MONOCHLOROACETIC ACID	NEW, RfDo, HAL
NAPHTHALENE	Fnc
NAPHTHYLAMINE, 1-	Fc
NAPHTHYLAMINE, 2-	Fc
NAPROPAMIDE	None
NICKEL	RfC, Fnc, Fc
NITRATE NITROGEN	RfDo
NITRITE NITROGEN	RfDo
NITROANILINE, M-	RfDo, RfC, CSFo, Fnc
NITROANILINE, O-	RfDo, RfC, Fnc
NITROANILINE, P-	RfDo, RfC, CSFo, Fnc
NITROBENZENE	RfDo, RfC, IUR, Fnc, Fc
NITROGUANIDINE	NEW, RfDo, HAL
NITROPHENOL, 2-	RfC
NITROPHENOL, 4-	rrRfC
NITROPROPANE, 2-	rrRfDo, rrCSFo, Fnc, Fc
NITROSODIETHYLAMINE, N-	Mut, Fc
NITROSODIMETHYLAMINE, N-	RfDo, Mut, Fc
NITROSO-DI-N-BUTYLAMINE, N-	Fc
NITROSODI-N-PROPYLAMINE, N-	RfDo, rrRfC, Fc
NITROSODIPHENYLAMINE, N-	RfDo, Fc
NITROSO-N-ETHYLUREA, N-	CSFo, Mut, Fc
OCTYL PHTHALATE, DI-N-	RfDo, rrRfC
OXAMYL (VYDATE)	rrRfC
PARAQUAT	NEW, RfDo, HAL
PARATHION	rrRfC
PCB-1016 (AROCLOR)	rrRfC, CSFo, IUR, Fc
PCB-1221 (AROCLOR)	CSFo, IUR, Fc
PCB-1232 (AROCLOR)	CSFo, IUR, Fc
PCB-1242 (AROCLOR)	CSFo, IUR, Fc
PCB-1248 (AROCLOR)	CSFo, IUR, Fc
PCB-1254 (AROCLOR)	rrRfC, CSFo, IUR, Fc
PCB-1260 (AROCLOR)	CSFo, IUR, Fc
PEBULATE	VOC
PENTACHLOROBENZENE	rrRfC
PENTACHLOROETHANE	TR, CSFo
PENTACHLORONITROBENZENE	rrRfC, rrIUR
PENTACHLOROPHENOL	rrRfC, IUR, Fc
PERCHLORATE	NEW, RfDo
PHENACETIN	Fc
PHENANTHRENE	rrRfC
PHENOL	RfDo, RfC, Fnc, Liq, TF
PHENYL MERCAPTAN	TR, RfDo
PHENYLENEDIAMINE, M-	rrRfC
PHENYLPHENOL, 2-	CSFo
PHORATE	rrRfC, VOC
PHTHALIC ANHYDRIDE	RfC, Fnc
PICLORAM	None
POLYCHLORINATED BIPHENYLS (AROCLORS) (PCBS)	Fc
PROMETON	NEW, RfDo, HAL

CHEMNAME	Factors that may cause the MSC changes
PRONAMIDE	rrRfC, HAL
PROPANIL	None
PROPANOL, 2- (ISOPROPYL ALCOHOL)	TR, RfC, Fnc
PROPAZINE	NEW, RfDo, HAL
PROPHAM	HAL
PROPYLBENZENE, N-	None
PROPYLENE OXIDE	rrRfDo, Fnc, Fc
PYRENE	rrRfC
PYRIDINE	rrRfC
QUINOLINE	CSFo
QUIZALOFOP (ASSURE)	None
RDX	NEW, RfDo, CSFo, IUR, Fc, HAL
RESORCINOL	TR, RfDo
RONNEL	None
SELENIUM	RfC, Fnc
SILVER	RfC
SIMAZINE	rrRfC, rrIUR
STRYCHNINE	rrRfC
STYRENE	Fnc
SULFATE	MCL, SMCL
TEBUTHIURON	None
TERBACIL	None
TERBUFOS	rrRfC, HAL, VOC
TETRACHLOROBENZENE, 1,2,4,5-	rrRfC
TETRACHLORODIBENZO-P-DIOXIN, 2,3,7,8- (TCDD)	RfC, CSFo, IUR, Fnc, Fc
TETRACHLOROETHANE, 1,1,1,2-	rrRfC, Fc, TF
TETRACHLOROETHANE, 1,1,2,2-	RfDo, rrRfC, Fc
TETRACHLOROETHYLENE (PCE)	RfC, Fnc, Fc
TETRACHLOROPHENOL, 2,3,4,6-	rrRfC
TETRAETHYL LEAD	rrRfC
TETRAETHYLDITHIOPYROPHOSPHATE	rrRfC, VOC
TETRAHYDROFURAN	TR, RfDo, RfC, CSFo, IUR, Fnc, Fc
THALLIUM	RfC
THIOFANOX	None
THIRAM	rrRfC
TIN	RfC, Kd
TOLUENE	RfDo, RfC, Fnc
TOLUIDINE, M-	CSFo, IUR, Fc
TOLUIDINE, O-	CSFo, IUR, Fc
TOLUIDINE, P-	rrIUR
TOXAPHENE	RfDo, rrRfC, Fc
TRIALLATE	Liq
TRIBROMOMETHANE (BROMOFORM)	rrRfC, Fc, MCL
TRICHLORO-1,2,2-TRIFLUOROETHANE, 1,1,2-	Fnc, TF
TRICHLOROBENZENE, 1,2,4-	RfC, Fnc
TRICHLOROBENZENE, 1,3,5-	RfC, Fnc
TRICHLOROETHANE, 1,1,1-	RfDo, RfC, Fnc
TRICHLOROETHANE, 1,1,2-	rrRfC, Fc
TRICHLOROETHYLENE (TCE)	Fnc, Fc
TRICHLOROPHENOL, 2,4,5-	rrRfC
TRICHLOROPHENOL, 2,4,6-	RfDo, rrRfC, Fc
TRICHLOROPHENOXYACETIC ACID, 2,4,5- (2,4,5-T)	rrRfC
TRICHLOROPHENOXYPROPIONIC ACID, 2,4,5- (2,4,5-TP)(SILVEX)	rrRfC
TRICHLOROPROPANE, 1,1,2-	None

CHEMNAME	Factors that may cause the MSC changes
TRICHLOROPROPANE, 1,2,3-	RfC, rrIUR, Fnc
TRICHLOROPROPENE, 1,2,3-	RfDo, RfC, Fnc
TRIETHYLAMINE	TR, RfC, Fnc
TRIFLURALIN	rrRfC, rrIUR
TRIMETHYLBENZENE, 1,3,4- (TRIMETHYLBENZENE, 1,2,4-)	RfC, Fnc
TRIMETHYLBENZENE, 1,3,5-	Fnc
TRINITROGLYCEROL (NITROGLYCERIN)	TR, RfDo, CSFo, HAL
TRINITROTOLUENE, 2,4,6-	None
VANADIUM	RfC
VINYL ACETATE	Fnc
VINYL BROMIDE (BROMOETHENE)	rrRfDo, rrCSFo, IUR, Fnc, Fc, VOC, Liq, TF
VINYL CHLORIDE	RfC, CSFo, IUR, Mut, Fnc, Fc
WARFARIN	rrRfC
XYLENES (TOTAL)	RfDo, RfC, Fnc
ZINC	RfC
ZINEB	None