

US EPA ARCHIVE DOCUMENT

Appendix B

Soil Analytical Data

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	Units	84-07 0 - 2 03/07/05	84-07 8 - 10 03/07/05	84-07 15 - 17 03/07/05	BD01-04 0.3 - 2.3 04/02/03	BD01-04 6.3 - 8.3 04/02/03	EP 94-02C 0.5 - 2.5 08/21/02	EP 94-02C 2.5 - 4.5 08/21/02	EP 94-02D 0.5 - 2.5 08/21/02
Miscellaneous									
Total Petroleum Hydrocarbons	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	%	85	82	80	94	77 [79]	91	91	94
VOC									
1,1,1-Trichloroethane	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.036)	ND(0.044) [ND(0.044)]	NA	NA	NA
1,1,2,2-Tetrachloroethane	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.072)	ND(0.088) [ND(0.087)]	NA	NA	NA
1,1,2-Trichloroethane	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.036)	ND(0.044) [ND(0.044)]	NA	NA	NA
1,1-Dichloroethane	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.036)	ND(0.044) [ND(0.044)]	NA	NA	NA
1,1-Dichloroethene	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.036)	ND(0.044) [ND(0.044)]	NA	NA	NA
1,2,4-Trichlorobenzene	mg/kg	ND(0.10 J)	ND(0.10 J)	ND(0.10 J)	ND(0.15)	ND(0.19) [ND(0.19)]	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	R	R	R	ND(0.15)	ND(0.19) [ND(0.19)]	NA	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.15)	ND(0.19) [ND(0.19)]	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.072)	ND(0.088) [ND(0.087)]	NA	NA	NA
1,2-Dichloroethane	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.036)	ND(0.044) [ND(0.044)]	NA	NA	NA
1,2-Dichloropropane	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.036)	ND(0.044) [ND(0.044)]	NA	NA	NA
1,3-Dichlorobenzene	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.072)	ND(0.088) [ND(0.087)]	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.072)	ND(0.088) [ND(0.087)]	NA	NA	NA
2-Butanone (Methyl Ethyl Ketone)	mg/kg	ND(0.90)	ND(0.90)	ND(1.0)	ND(0.31 J)	ND(0.38 J) [ND(0.37 J)]	NA	NA	NA
2-Hexanone	mg/kg	ND(3.0 J)	ND(3.0 J)	ND(3.0 J)	ND(0.72)	ND(0.88) [ND(0.087)]	NA	NA	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	ND(3.0)	ND(3.0)	ND(3.0)	ND(1.5)	ND(1.9) [ND(1.9)]	NA	NA	NA
Acetone	mg/kg	ND(0.90 J)	ND(0.90 J)	ND(1.0 J)	ND(0.31)	ND(0.38) [ND(0.37)]	NA	NA	NA
Benzene	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.036)	ND(0.044) [ND(0.044)]	NA	NA	NA
Bromodichloromethane	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.072)	ND(0.088) [ND(0.087)]	NA	NA	NA
Bromoform	mg/kg	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)	ND(0.72)	ND(0.88) [ND(0.087)]	NA	NA	NA
Bromomethane (Methyl Bromide)	mg/kg	R	R	R	ND(0.15 J)	ND(0.19 J) [ND(0.19)]	NA	NA	NA
Carbon disulfide	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.15)	ND(0.19) [ND(0.19)]	NA	NA	NA
Carbon tetrachloride	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.036)	ND(0.044) [ND(0.044)]	NA	NA	NA
Chlorobenzene	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.036)	ND(0.044) [ND(0.044)]	NA	NA	NA
Chloroethane	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.15)	ND(0.19) [ND(0.19)]	NA	NA	NA
Chloroform (Trichloromethane)	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.036)	ND(0.044) [ND(0.044)]	NA	NA	NA
Chloromethane (Methyl Chloride)	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.15)	ND(0.19) [ND(0.19)]	NA	NA	NA
cis-1,2-Dichloroethene	mg/kg	ND(0.060)	0.47	ND(0.060)	ND(0.036)	ND(0.044) [ND(0.044)]	NA	NA	NA
cis-1,3-Dichloropropene	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.036)	ND(0.044) [ND(0.044)]	NA	NA	NA
Cyclohexane	mg/kg	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)	ND(0.15)	ND(0.19) [ND(0.19)]	NA	NA	NA
Dibromochloromethane	mg/kg	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)	ND(0.072)	ND(0.088) [ND(0.087)]	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	mg/kg	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)	ND(0.072)	ND(0.088) [ND(0.087)]	NA	NA	NA
Ethylbenzene	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.036)	ND(0.044) [ND(0.044)]	NA	NA	NA
Isopropylbenzene	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.15)	ND(0.19) [ND(0.19)]	NA	NA	NA
m&p-Xylene	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.072)	ND(0.088) [ND(0.087)]	NA	NA	NA
Methyl acetate	mg/kg	0.20 J	ND(3.0)	ND(3.0)	ND(0.15 J)	ND(0.19 J) [ND(0.19 J)]	NA	NA	NA
Methyl cyclohexane	mg/kg	0.0070 J	ND(0.060)	ND(0.060)	ND(0.15)	ND(0.19) [ND(0.19)]	NA	NA	NA
Methyl Tert Butyl Ether	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(1.5)	ND(0.19) [ND(0.19)]	NA	NA	NA
Methylene chloride	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	0.11 J	0.13 J [0.13 J]	NA	NA	NA
o-Xylene	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.036)	ND(0.044) [ND(0.044)]	NA	NA	NA
Styrene	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.036)	ND(0.044) [ND(0.044)]	NA	NA	NA
Tetrachloroethene	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.036)	ND(0.044) [ND(0.044)]	NA	NA	NA
Toluene	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.072)	ND(0.088) [ND(0.087)]	NA	NA	NA
trans-1,2-Dichloroethene	mg/kg	ND(0.060)	0.020 J	ND(0.060)	ND(0.036)	ND(0.044) [ND(0.044)]	NA	NA	NA
trans-1,3-Dichloropropene	mg/kg	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)	ND(0.036)	ND(0.044) [ND(0.044)]	NA	NA	NA
Trichloroethene	mg/kg	0.30	1.0	ND(0.060)	ND(0.036)	ND(0.044) [ND(0.044)]	NA	NA	NA
Trichlorofluoromethane (CFC-11)	mg/kg	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.072)	ND(0.088) [ND(0.087)]	NA	NA	NA
Trifluorotrichloroethane (Freon 113)	mg/kg	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.15)	ND(0.19) [ND(0.19)]	NA	NA	NA
Vinyl chloride	mg/kg	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.072)	ND(0.088) [ND(0.087)]	NA	NA	NA
Xylenes (total)	mg/kg	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.072)	ND(0.088) [ND(0.087)]	NA	NA	NA
SVOC									
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
2,4,5-Trichlorophenol	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
2,4-Dichlorophenol	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
2,4-Dimethylpheno	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
2,4-Dinitrophenol	mg/kg	ND(0.70 J)	ND(0.70 J)	ND(0.70 J)	ND(0.72)	ND(0.87) [ND(0.84)]	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.72)	ND(0.87) [ND(0.84)]	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
2-Chloronaphthalene	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
2-Chlorophenol	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
2-Methylnaphthalene	mg/kg	0.020 J	0.020 J	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
2-Methylphenol	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
2-Nitroaniline	mg/kg	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.72)	ND(0.87) [ND(0.84)]	NA	NA	NA
2-Nitrophenol	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
3&4-Methylphenol	mg/kg	NA	NA	NA	ND(0.36 J)	ND(0.44 J) [ND(0.43 J)]	NA	NA	NA
3,3'-Dichlorobenzidine	mg/kg	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.72)	ND(0.87) [ND(0.84)]	NA	NA	NA
3-Methylphenol	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA	NA	NA
3-Nitroaniline	mg/kg	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.72)	ND(0.87) [ND(0.84)]	NA	NA	NA
4,6-Dinitro-2-methylpheno	mg/kg	ND(0.70 J)	ND(0.70 J)	ND(0.70 J)	ND(0.72)	ND(0.87) [ND(0.84)]	NA	NA	NA
4-Bromophenyl phenyl ether	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
4-Chloro-3-methylpheno	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
4-Chloroaniline	mg/kg	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.72)	ND(0.87) [ND(0.84)]	NA	NA	NA
4-Chlorophenyl phenyl ether	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.72)	ND(0.87) [ND(0.84)]	NA	NA	NA
4-Nitroaniline	mg/kg	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.72)	ND(0.87) [ND(0.84)]	NA	NA	NA
4-Nitrophenol	mg/kg	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.72)	ND(0.87) [ND(0.84)]	NA	NA	NA
Acenaphthene	mg/kg	0.020 J	0.020 J	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Acenaphthylene	mg/kg	ND(0.30)	0.020 J	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Acetophenone	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Anthracene	mg/kg	0.040 J	0.040 J	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Atrazine	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Benzaldehyde	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18 J)	ND(0.22 J) [ND(0.21 J)]	NA	NA	NA

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(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	Units	84-07 0 - 2 03/07/05	84-07 8 - 10 03/07/05	84-07 15 - 17 03/07/05	BD01-04 0.3 - 2.3 04/02/03	BD01-04 6.3 - 8.3 04/02/03	EP 94-02C 0.5 - 2.5 08/21/02	EP 94-02C 2.5 - 4.5 08/21/02	EP 94-02D 0.5 - 2.5 08/21/02
Benzo(a)anthracene	mg/kg	0.20 J	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Benzo(a)pyrene	mg/kg	0.20 J	ND(0.30)	ND(0.30)	ND(0.18 J)	ND(0.22) [ND(0.21)]	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	0.20 J	ND(0.30)	ND(0.30)	ND(0.18 J)	ND(0.22) [ND(0.21)]	NA	NA	NA
Benzo(g,h,i)perylene	mg/kg	0.090 J	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	0.10 J	ND(0.30)	ND(0.30)	ND(0.18 J)	ND(0.22) [ND(0.21)]	NA	NA	NA
Biphenyl	mg/kg	ND(0.30)	0.030 J	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
bis(2-Chloroethoxy)methane	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
bis(2-Chloroethyl)ether	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.035)	ND(0.043) [ND(0.042)]	NA	NA	NA
bis(2-Ethylhexyl)phthalate	mg/kg	0.080 J	ND(0.30)	ND(0.30)	0.39	ND(0.22) [0.58]	NA	NA	NA
Butyl benzylphthalate	mg/kg	0.020 J	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Caprolactam	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Carbazole	mg/kg	0.020 J	0.020 J	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Chrysene	mg/kg	0.20 J	0.10 J	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Dibenz(a,h)anthracene	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Dibenzofuran	mg/kg	ND(0.30)	0.060 J	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Diethyl phthalate	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Dimethyl phthalate	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Di-n-butylphthalate	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Di-n-octyl phthalate	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18 J)	ND(0.22) [ND(0.21)]	NA	NA	NA
Fluoranthene	mg/kg	0.30	0.060 J	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Fluorene	mg/kg	0.030 J	0.080 J	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Hexachlorobenzene	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Hexachlorobutadiene	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Hexachloroethane	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Indeno(1,2,3-cd)pyrene	mg/kg	0.090 J	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Isophorone	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Methylphenols, Total	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.36)	ND(0.44) [ND(0.43)]	NA	NA	NA
Naphthalene	mg/kg	0.020 J	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Nitrobenzene	mg/kg	ND(0.30)	ND(0.20)	ND(0.20)	ND(0.072)	ND(0.087) [ND(0.084)]	NA	NA	NA
N-Nitrosodi-n-propylamine	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Pentachlorophenol	mg/kg	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.72)	ND(0.87) [ND(0.84)]	NA	NA	NA
Phenanthrene	mg/kg	0.20 J	0.20 J	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Phenol	mg/kg	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
Pyrene	mg/kg	0.30	0.060 J	ND(0.30)	ND(0.18)	ND(0.22) [ND(0.21)]	NA	NA	NA
PCB									
Aroclor-1016 (PCB-1016)	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.037)	ND(0.045) [ND(0.044)]	ND(0.038)	ND(0.039)	ND(0.037)
Aroclor-1221 (PCB-1221)	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.037)	ND(0.045) [ND(0.044)]	ND(0.038)	ND(0.039)	ND(0.037)
Aroclor-1232 (PCB-1232)	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.037)	ND(0.045) [ND(0.044)]	ND(0.038)	ND(0.039)	ND(0.037)
Aroclor-1242 (PCB-1242)	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.037)	ND(0.045) [ND(0.044)]	ND(0.038)	ND(0.039)	ND(0.037)
Aroclor-1248 (PCB-1248)	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.037)	ND(0.045) [ND(0.044)]	ND(0.038)	ND(0.039)	ND(0.037)
Aroclor-1254 (PCB-1254)	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.037)	ND(0.045) [ND(0.044)]	ND(0.038)	ND(0.039)	ND(0.037)
Aroclor-1260 (PCB-1260)	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.037)	ND(0.045) [ND(0.044)]	ND(0.038)	ND(0.039)	ND(0.037)
Total PCBs	mg/kg	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.037)	ND(0.045) [ND(0.044)]	ND(0.038)	ND(0.039)	ND(0.037)
Inorganic									
Antimony	mg/kg	NA	NA	NA	0.043 J	0.012 J [0.11 J]	NA	NA	NA
Arsenic	mg/kg	2.3	1.7	6.6	4.4 J	5.7 J [7.7 J (RDC)]	NA	NA	NA
Barium	mg/kg	39	52	23	22	61 [98]	NA	NA	NA
Beryllium	mg/kg	NA	NA	NA	0.13 J	0.45 J [0.61 J]	NA	NA	NA
Cadmium	mg/kg	0.60	0.12	0.17	ND(0.12)	ND(0.14) [0.24]	NA	NA	NA
Chromium III (Trivalent)	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	mg/kg	39	6.2	5.3	6.0	19 [26]	NA	NA	NA
Chromium VI (Hexavalent)	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	mg/kg	NA	NA	NA	2.9 J	9.3 J [10 J]	NA	NA	NA
Copper	mg/kg	NA	NA	NA	3.6 J	13 J [20 J]	NA	NA	NA
Cyanide (total)	mg/kg	NA	NA	NA	ND(0.20)	ND(0.30) [ND(0.30)]	NA	NA	NA
Lead	mg/kg	130	7.8	13	5.9 J	9.4 J [14 J]	NA	NA	NA
Manganese	mg/kg	NA	NA	NA	150	330 [290]	NA	NA	NA
Mercury	mg/kg	ND(0.050)	ND(0.050)	ND(0.050)	0.048 J	0.072 J [0.051 J]	NA	NA	NA
Nickel	mg/kg	NA	NA	NA	9.3 J	21 J [29 J]	NA	NA	NA
Selenium	mg/kg	0.20	0.39	0.71	0.23 J	0.085 J [0.18 J]	NA	NA	NA
Silver	mg/kg	ND(0.20)	ND(0.20)	ND(0.20)	0.032 J	0.084 J [0.11 J]	NA	NA	NA
Thallium	mg/kg	NA	NA	NA	0.076 J	0.19 [0.31]	NA	NA	NA
Vanadium	mg/kg	NA	NA	NA	13 J	31 J [44 J]	NA	NA	NA
Zinc	mg/kg	NA	NA	NA	21 J	46 J [60 J]	NA	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	EP 94-02D 2.5 - 4.5 08/21/02	FEP-1 0.5 - 3.5 07/25/05	FEP-2 1 - 3 07/25/05	FEP-3 0.7 - 3 07/25/05	FEP-4 0.8 - 3 07/25/05	FEP-5 0.7 - 3 07/25/05	FEP-6 0.9 - 3 07/25/05	FEP-7 0.9 - 3 07/25/05
Miscellaneous								
Total Petroleum Hydrocarbons	NA	24,000	ND(50)	ND(50)	420 [510]	ND(50)	ND(50)	ND(50)
Total Solids	87	81	91	91	88 [84]	88	83	83
VOC								
1,1,1-Trichloroethane	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
1,1,2,2-Tetrachloroethane	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
1,1,2-Trichloroethane	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
1,1-Dichloroethane	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
1,1-Dichloroethene	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
1,2,4-Trichlorobenzene	NA	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)
1,2-Dibromo-3-chloropropane (DBCP)	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
1,2-Dibromoethane (Ethylene Dibromide)	NA	ND(0.020 M)	ND(0.020 M)	ND(0.020 M)	ND(0.030 M) [ND(0.020 M)]	ND(0.020 M)	ND(0.030 M)	ND(0.020 M)
1,2-Dichlorobenzene	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
1,2-Dichloroethane	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
1,2-Dichloropropane	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
1,3-Dichlorobenzene	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
1,4-Dichlorobenzene	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
2-Butanone (Methyl Ethyl Ketone)	NA	ND(0.80)	ND(0.80)	ND(0.90)	ND(0.90) [ND(0.80)]	ND(0.80)	ND(1.0)	ND(0.80)
2-Hexanone	NA	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0) [ND(3.0)]	ND(3.0)	ND(3.0)	ND(3.0)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0) [ND(3.0)]	ND(3.0)	ND(3.0)	ND(3.0)
Acetone	NA	0.80 BJ	0.60 BJ	0.60 BJ	0.70 BJ [0.70 BJ]	0.50 BJ	0.70 BJ	0.60 BJ
Benzene	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
Bromodichloromethane	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
Bromoform	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
Bromomethane (Methyl Bromide)	NA	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)
Carbon disulfide	NA	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)
Carbon tetrachloride	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
Chlorobenzene	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
Chloroethane	NA	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)
Chloroform (Trichloromethane)	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
Chloromethane (Methyl Chloride)	NA	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)
cis-1,2-Dichloroethene	NA	0.040 J	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
cis-1,3-Dichloropropene	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
Cyclohexane	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
Dibromochloromethane	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
Dichlorodifluoromethane (CFC-12)	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
Ethylbenzene	NA	0.040 J	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
Isopropylbenzene	NA	ND(0.060)	ND(0.050)	ND(0.060)	0.070 [0.010 J]	ND(0.050)	ND(0.070)	ND(0.050)
m&p-Xylene	NA	0.090	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
Methyl acetate	NA	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0) [ND(3.0)]	ND(3.0)	ND(3.0)	ND(3.0)
Methyl cyclohexane	NA	0.010 J	ND(0.050)	ND(0.060)	0.43 [0.10]	ND(0.050)	ND(0.070)	ND(0.050)
Methyl Tert Butyl Ether	NA	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)
Methylene chloride	NA	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)
o-Xylene	NA	0.050 J	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
Styrene	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
Tetrachloroethene	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
Toluene	NA	0.040 BJ	0.010 BJ	ND(0.060)	0.020 BJ [0.020 BJ]	0.010 BJ	0.020 BJ	0.010 BJ
trans-1,2-Dichloroethene	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
trans-1,3-Dichloropropene	NA	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
Trichloroethene	NA	0.10	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
Trichlorofluoromethane (CFC-11)	NA	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)
Trifluorotrichloroethane (Freon 113)	NA	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)
Vinyl chloride	NA	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)
Xylenes (total)	NA	0.14 J	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)	ND(0.070)	ND(0.050)
SVOC								
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	2.0 X	NA	NA	ND(0.30)	NA	NA	NA
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA
3&4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	NA	NA	NA
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylpheno	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylpheno	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	NA	3.0 X	NA	NA	ND(0.30)	NA	NA	NA
Acenaphthylene	NA	ND(1.0 X)	NA	NA	ND(0.30)	NA	NA	NA
Acetophenone	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	NA	3.0 X	NA	NA	ND(0.30)	NA	NA	NA
Atrazine	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	NA	NA	NA	NA	NA	NA	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	EP 94-02D 2.5 - 4.5 08/21/02	FEP-1 0.5 - 3.5 07/25/05	FEP-2 1 - 3 07/25/05	FEP-3 0.7 - 3 07/25/05	FEP-4 0.8 - 3 07/25/05	FEP-5 0.7 - 3 07/25/05	FEP-6 0.9 - 3 07/25/05	FEP-7 0.9 - 3 07/25/05
Benzo(a)anthracene	NA	5.0 X	NA	NA	ND(0.30)	NA	NA	NA
Benzo(a)pyrene	NA	4.0 X (RDC)	NA	NA	ND(0.30)	NA	NA	NA
Benzo(b)fluoranthene	NA	5.0 X	NA	NA	ND(0.30)	NA	NA	NA
Benzo(g,h,i)perylene	NA	2.0 X	NA	NA	ND(0.30)	NA	NA	NA
Benzo(k)fluoranthene	NA	3.0 X	NA	NA	ND(0.30)	NA	NA	NA
Biphenyl	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzylphthalate	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NA	6.0 X	NA	NA	ND(0.30)	NA	NA	NA
Dibenz(a,h)anthracene	NA	ND(1.0 X)	NA	NA	ND(0.30)	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	NA	12 X	NA	NA	ND(0.30)	NA	NA	NA
Fluorene	NA	3.0 X	NA	NA	ND(0.30)	NA	NA	NA
Hexachlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	2.0 X	NA	NA	ND(0.30)	NA	NA	NA
Isophorone	NA	NA	NA	NA	NA	NA	NA	NA
Methylphenols, Total	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	ND(1.0 X)	NA	NA	ND(0.30)	NA	NA	NA
Nitrobenzene	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NA	11 X	NA	NA	ND(0.30)	NA	NA	NA
Phenol	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	NA	13 X	NA	NA	ND(0.30)	NA	NA	NA
PCB								
Aroclor-1016 (PCB-1016)	ND(0.040)	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	ND(0.040)	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	ND(0.040)	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	ND(0.040)	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	ND(0.040)	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	ND(0.040)	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	ND(0.040)	NA	NA	NA	NA	NA	NA	NA
Total PCBs	ND(0.040)	NA	NA	NA	NA	NA	NA	NA
Inorganic								
Antimony	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide (total)	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	FEP-8 1 - 3 07/25/05	FEP-9 0.7 - 3 07/25/05	FEP-10 0.5 - 3 07/25/05	FEP-11 0.6 - 3 07/25/05	FEP-12 0.8 - 3 07/25/05	RFI-02-03R 0 - 2 03/07/05	RFI-02-12 1.2 - 3.2 02/24/03
Miscellaneous							
Total Petroleum Hydrocarbons	ND(50)	ND(50)	ND(50)	710	ND(50)	NA	NA
Total Solids	81	87	78	88	89	89 [84]	97
VOC							
1,1,1-Trichloroethane	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.035 J)
1,1,2,2-Tetrachloroethane	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.070)
1,1,2-Trichloroethane	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.035)
1,1-Dichloroethane	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.035)
1,1-Dichloroethene	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.035)
1,2,4-Trichlorobenzene	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	NA	ND(0.15)
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.15)
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.020 M)	ND(0.020 M)	ND(0.030 M)	ND(0.020 M)	ND(0.020 M)	NA	ND(0.15)
1,2-Dichlorobenzene	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.070)
1,2-Dichloroethane	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.035 J)
1,2-Dichloropropane	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.035)
1,3-Dichlorobenzene	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.070)
1,4-Dichlorobenzene	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.070)
2-Butanone (Methyl Ethyl Ketone)	ND(0.90)	ND(0.70)	ND(1.0)	ND(0.90)	ND(0.90)	NA	ND(0.30)
2-Hexanone	ND(3.0)	ND(2.0)	ND(3.0)	ND(3.0)	ND(3.0)	NA	ND(0.070)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(3.0)	ND(2.0)	ND(3.0)	ND(3.0)	ND(3.0)	NA	ND(1.5)
Acetone	0.70 BJ	0.50 BJ	0.60 BJ	0.50 BJ	0.60 BJ	NA	ND(0.30)
Benzene	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.035)
Bromodichloromethane	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.070)
Bromoform	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.070)
Bromomethane (Methyl Bromide)	ND(0.30)	ND(0.20)	ND(0.30)	ND(0.30)	ND(0.30)	NA	ND(0.15 J)
Carbon disulfide	ND(0.30)	ND(0.20)	ND(0.30)	ND(0.30)	ND(0.30)	NA	ND(0.15)
Carbon tetrachloride	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.035)
Chlorobenzene	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.035)
Chloroethane	ND(0.30)	ND(0.20)	ND(0.30)	ND(0.30)	ND(0.30)	NA	ND(0.15)
Chloroform (Trichloromethane)	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.035)
Chloromethane (Methyl Chloride)	ND(0.30)	ND(0.20)	ND(0.30)	ND(0.30)	ND(0.30)	NA	ND(0.15)
cis-1,2-Dichloroethene	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.035)
cis-1,3-Dichloropropene	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.035)
Cyclohexane	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.15)
Dibromochloromethane	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.070)
Dichlorodifluoromethane (CFC-12)	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.070)
Ethylbenzene	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.035)
Isopropylbenzene	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.15)
m&p-Xylene	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.070)
Methyl acetate	ND(3.0)	ND(2.0)	ND(3.0)	ND(3.0)	ND(3.0)	NA	ND(0.15)
Methyl cyclohexane	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.15)
Methyl Tert Butyl Ether	ND(0.30)	ND(0.20)	ND(0.30)	ND(0.30)	ND(0.30)	NA	ND(0.15)
Methylene chloride	ND(0.30)	ND(0.20)	ND(0.30)	ND(0.30)	ND(0.30)	NA	ND(0.15)
o-Xylene	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.035)
Styrene	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.035)
Tetrachloroethene	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.035)
Toluene	0.020 BJ	0.010 BJ	0.020 BJ	0.010 BJ	0.010 BJ	NA	ND(0.070)
trans-1,2-Dichloroethene	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.035)
trans-1,3-Dichloropropene	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.035)
Trichloroethene	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.035)
Trichlorofluoromethane (CFC-11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	NA	ND(0.070)
Trifluorotrichloroethane (Freon 113)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	NA	ND(0.15)
Vinyl chloride	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	NA	ND(0.070)
Xylenes (total)	ND(0.060)	ND(0.050)	ND(0.070)	ND(0.060)	ND(0.060)	NA	ND(0.070)
SVOC							
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	NA	NA	NA	NA	NA	NA	ND(0.18)
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	ND(0.18)
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	ND(0.18)
2,4-Dichlorophenol	NA	NA	NA	NA	NA	NA	ND(0.18)
2,4-Dimethylphenol	NA	NA	NA	NA	NA	NA	ND(0.18)
2,4-Dinitrophenol	NA	NA	NA	NA	NA	NA	ND(0.69)
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA	ND(0.69)
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	NA	ND(0.18)
2-Chloronaphthalene	NA	NA	NA	NA	NA	NA	ND(0.18)
2-Chlorophenol	NA	NA	NA	NA	NA	NA	ND(0.18)
2-Methylnaphthalene	NA	NA	NA	ND(0.30)	NA	NA	ND(0.18)
2-Methylphenol	NA	NA	NA	NA	NA	NA	ND(0.18)
2-Nitroaniline	NA	NA	NA	NA	NA	NA	ND(0.69)
2-Nitrophenol	NA	NA	NA	NA	NA	NA	ND(0.18)
3&4-Methylphenol	NA	NA	NA	NA	NA	NA	ND(0.35 J)
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	NA	ND(0.69)
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	NA	NA	NA	ND(0.69)
4,6-Dinitro-2-methylpheno	NA	NA	NA	NA	NA	NA	ND(0.69)
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	NA	ND(0.18)
4-Chloro-3-methylpheno	NA	NA	NA	NA	NA	NA	ND(0.18)
4-Chloroaniline	NA	NA	NA	NA	NA	NA	ND(0.69)
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	NA	ND(0.69)
4-Nitroaniline	NA	NA	NA	NA	NA	NA	ND(0.69)
4-Nitrophenol	NA	NA	NA	NA	NA	NA	ND(0.69)
Acenaphthene	NA	NA	NA	ND(0.30)	NA	NA	ND(0.18)
Acenaphthylene	NA	NA	NA	ND(0.30)	NA	NA	ND(0.18)
Acetophenone	NA	NA	NA	NA	NA	NA	ND(0.18)
Anthracene	NA	NA	NA	ND(0.30)	NA	NA	ND(0.18)
Atrazine	NA	NA	NA	NA	NA	NA	ND(0.18)
Benzaldehyde	NA	NA	NA	NA	NA	NA	ND(0.18 J)

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	FEP-8 1 - 3 07/25/05	FEP-9 0.7 - 3 07/25/05	FEP-10 0.5 - 3 07/25/05	FEP-11 0.6 - 3 07/25/05	FEP-12 0.8 - 3 07/25/05	RFI-02-03R 0 - 2 03/07/05	RFI-02-12 1.2 - 3.2 02/24/03
Benzo(a)anthracene	NA	NA	NA	ND(0.30)	NA	NA	ND(0.18)
Benzo(a)pyrene	NA	NA	NA	ND(0.30)	NA	NA	ND(0.18)
Benzo(b)fluoranthene	NA	NA	NA	ND(0.30)	NA	NA	ND(0.18)
Benzo(g,h,i)perylene	NA	NA	NA	ND(0.30)	NA	NA	ND(0.18)
Benzo(k)fluoranthene	NA	NA	NA	ND(0.30)	NA	NA	ND(0.18)
Biphenyl	NA	NA	NA	NA	NA	NA	ND(0.18)
bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA	NA	ND(0.18)
bis(2-Chloroethyl)ether	NA	NA	NA	NA	NA	NA	ND(0.034)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA	NA	NA	ND(0.18)
Butyl benzylphthalate	NA	NA	NA	NA	NA	NA	ND(0.18)
Caprolactam	NA	NA	NA	NA	NA	NA	ND(0.18)
Carbazole	NA	NA	NA	NA	NA	NA	ND(0.18)
Chrysene	NA	NA	NA	ND(0.30)	NA	NA	ND(0.18)
Dibenz(a,h)anthracene	NA	NA	NA	ND(0.30)	NA	NA	ND(0.18)
Dibenzofuran	NA	NA	NA	NA	NA	NA	ND(0.18)
Diethyl phthalate	NA	NA	NA	NA	NA	NA	ND(0.18)
Dimethyl phthalate	NA	NA	NA	NA	NA	NA	ND(0.18)
Di-n-butylphthalate	NA	NA	NA	NA	NA	NA	ND(0.18)
Di-n-octyl phthalate	NA	NA	NA	NA	NA	NA	ND(0.18)
Fluoranthene	NA	NA	NA	ND(0.30)	NA	NA	ND(0.18)
Fluorene	NA	NA	NA	ND(0.30)	NA	NA	ND(0.18)
Hexachlorobenzene	NA	NA	NA	NA	NA	NA	ND(0.18)
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	ND(0.18)
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	NA	ND(0.18)
Hexachloroethane	NA	NA	NA	NA	NA	NA	ND(0.18)
Indeno(1,2,3-cd)pyrene	NA	NA	NA	ND(0.30)	NA	NA	ND(0.18)
Isophorone	NA	NA	NA	NA	NA	NA	ND(0.18)
Methylphenols, Total	NA	NA	NA	NA	NA	NA	ND(0.35)
Naphthalene	NA	NA	NA	ND(0.30)	NA	NA	ND(0.18)
Nitrobenzene	NA	NA	NA	NA	NA	NA	ND(0.069)
N-Nitrosodi-n-propylamine	NA	NA	NA	NA	NA	NA	ND(0.18)
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	NA	ND(0.18)
Pentachlorophenol	NA	NA	NA	NA	NA	NA	ND(0.69)
Phenanthrene	NA	NA	NA	ND(0.30)	NA	NA	ND(0.18)
Phenol	NA	NA	NA	NA	NA	NA	ND(0.18)
Pyrene	NA	NA	NA	ND(0.30)	NA	NA	ND(0.18)
PCB							
Aroclor-1016 (PCB-1016)	NA	NA	NA	NA	NA	NA	ND(0.036)
Aroclor-1221 (PCB-1221)	NA	NA	NA	NA	NA	NA	ND(0.036)
Aroclor-1232 (PCB-1232)	NA	NA	NA	NA	NA	NA	ND(0.036)
Aroclor-1242 (PCB-1242)	NA	NA	NA	NA	NA	NA	ND(0.036)
Aroclor-1248 (PCB-1248)	NA	NA	NA	NA	NA	NA	ND(0.036)
Aroclor-1254 (PCB-1254)	NA	NA	NA	NA	NA	NA	ND(0.036)
Aroclor-1260 (PCB-1260)	NA	NA	NA	NA	NA	NA	ND(0.036)
Total PCBs	NA	NA	NA	NA	NA	NA	ND(0.036)
Inorganic							
Antimony	NA	NA	NA	NA	NA	NA	0.021 J
Arsenic	NA	NA	NA	NA	NA	NA	4.5
Barium	NA	NA	NA	NA	NA	NA	11
Beryllium	NA	NA	NA	NA	NA	NA	0.15 J
Cadmium	NA	NA	NA	NA	NA	NA	0.077
Chromium III (Trivalent)	NA	NA	NA	NA	NA	7.4 [38]	NA
Chromium Total	NA	NA	NA	NA	NA	7.4 [38]	5.1
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	ND(1.0 J) [ND(1.0 J)]	NA
Cobalt	NA	NA	NA	NA	NA	NA	2.5
Copper	NA	NA	NA	NA	NA	NA	5.3
Cyanide (total)	NA	NA	NA	NA	NA	NA	ND(0.20)
Lead	NA	NA	NA	NA	NA	NA	4.1
Manganese	NA	NA	NA	NA	NA	NA	130
Mercury	NA	NA	NA	NA	NA	NA	ND(0.071)
Nickel	NA	NA	NA	NA	NA	NA	5.9
Selenium	NA	NA	NA	NA	NA	NA	0.043 J
Silver	NA	NA	NA	NA	NA	NA	0.020 J
Thallium	NA	NA	NA	NA	NA	NA	0.062 J
Vanadium	NA	NA	NA	NA	NA	NA	9.0
Zinc	NA	NA	NA	NA	NA	NA	21

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-02-12 7 - 9 02/24/03	RFI-02-13 0.5 - 2.5 10/16/02	RFI-02-14 2 - 4 03/08/05	RFI-02-14 8 - 10 03/08/05	RFI-02-19 1.7 - 4 03/22/05	RFI-02-19 8 - 10 03/22/05	RFI-02-20 1.5 - 3.5 03/23/05	RFI-02-20 8 - 10 03/23/05
Miscellaneous								
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	81 [81]	89	91	87	94	86	84	79
VOC								
1,1,1-Trichloroethane	ND(0.042 J) [ND(0.043 J)]	ND(0.038)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	0.020 J	ND(0.060)
1,1,2,2-Tetrachloroethane	ND(0.085) [ND(0.085)]	ND(0.076)	ND(0.050)	ND(0.060)	ND(0.050 J)	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)
1,1,2-Trichloroethane	ND(0.042) [ND(0.043)]	ND(0.038)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
1,1-Dichloroethane	ND(0.042) [ND(0.043)]	ND(0.038)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
1,1-Dichloroethene	ND(0.042) [ND(0.043)]	ND(0.038)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
1,2,4-Trichlorobenzene	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.10 J)	ND(0.10)	ND(0.10 J)	ND(0.10 J)	ND(0.10 J)	ND(0.10 J)
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.18) [ND(0.18)]	ND(0.16)	R	R	ND(0.050 J)	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
1,2-Dichlorobenzene	ND(0.085) [ND(0.085)]	ND(0.076)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
1,2-Dichloroethane	ND(0.042 J) [ND(0.043 J)]	ND(0.038)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
1,2-Dichloropropane	ND(0.042) [ND(0.043)]	ND(0.038)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
1,3-Dichlorobenzene	ND(0.085) [ND(0.085)]	ND(0.076)	ND(0.050)	ND(0.060)	ND(0.050 J)	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)
1,4-Dichlorobenzene	ND(0.085) [ND(0.085)]	ND(0.076)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
2-Butanone (Methyl Ethyl Ketone)	ND(0.36) [ND(0.37)]	ND(0.27)	ND(0.80)	ND(0.90)	ND(0.80 J)	ND(0.90 J)	ND(0.90 J)	ND(1.0 J)
2-Hexanone	ND(0.085) [ND(0.085)]	ND(0.27)	ND(3.0 J)	ND(3.0)	ND(3.0 J)	ND(3.0 J)	ND(3.0 J)	ND(3.0 J)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(1.8) [ND(1.8)]	ND(0.27)	ND(3.0)	ND(3.0)	ND(3.0 J)	ND(3.0 J)	ND(3.0 J)	ND(3.0 J)
Acetone	ND(0.36) [ND(0.37)]	ND(0.27)	ND(0.80 J)	ND(0.90)	ND(0.80 J)	ND(0.90 J)	ND(0.90 J)	ND(1.0 J)
Benzene	ND(0.042) [ND(0.043)]	ND(0.038)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
Bromodichloromethane	ND(0.085) [ND(0.085)]	ND(0.076)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
Bromoform	ND(0.085) [ND(0.085)]	ND(0.076)	ND(0.050 J)	ND(0.060 J)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
Bromomethane (Methyl Bromide)	ND(0.18 J) [ND(0.18 J)]	ND(0.16)	R	R	R	R	R	R
Carbon disulfide	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Carbon tetrachloride	ND(0.042) [ND(0.043)]	ND(0.038)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
Chlorobenzene	ND(0.042) [ND(0.043)]	ND(0.038)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
Chloroethane	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Chloroform (Trichloromethane)	ND(0.042) [ND(0.043)]	ND(0.038)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
Chloromethane (Methyl Chloride)	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
cis-1,2-Dichloroethene	ND(0.042) [ND(0.043)]	ND(0.038)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
cis-1,3-Dichloropropene	ND(0.042) [ND(0.043)]	ND(0.038)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
Cyclohexane	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.050 J)	ND(0.060 J)	ND(0.050 J)	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)
Dibromochloromethane	ND(0.085) [ND(0.085)]	ND(0.076)	ND(0.050 J)	ND(0.060)	ND(0.050 J)	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)
Dichlorodifluoromethane (CFC-12)	ND(0.085) [ND(0.085)]	ND(0.076)	ND(0.050 J)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
Ethylbenzene	ND(0.042) [ND(0.043)]	ND(0.038)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
Isopropylbenzene	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
m&p-Xylene	ND(0.085) [ND(0.085)]	ND(0.076)	0.020 J	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
Methyl acetate	0.10 J [0.084 J]	0.19	ND(3.0)	0.30 J	0.20 J	ND(3.0)	ND(3.0)	ND(3.0)
Methyl cyclohexane	ND(0.18) [ND(0.18)]	ND(0.16)	0.040 J	0.010 J	0.040 J	ND(0.060)	0.030 J	ND(0.060)
Methyl Tert Butyl Ether	ND(0.18) [ND(0.18)]	ND(0.27)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Methylene chloride	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
o-Xylene	ND(0.042) [ND(0.043)]	ND(0.038)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
Styrene	ND(0.042) [ND(0.043)]	ND(0.038)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
Tetrachloroethene	ND(0.042) [ND(0.043)]	ND(0.038)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
Toluene	ND(0.085) [ND(0.085)]	ND(0.038)	0.020 J	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
trans-1,2-Dichloroethene	ND(0.042) [ND(0.043)]	ND(0.038)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
trans-1,3-Dichloropropene	ND(0.042) [ND(0.043)]	ND(0.038)	ND(0.050 J)	ND(0.060)	ND(0.050 J)	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)
Trichloroethene	ND(0.042) [ND(0.043)]	ND(0.038)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
Trichlorofluoromethane (CFC-11)	ND(0.085) [ND(0.085)]	ND(0.076)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Trifluorotrichloroethane (Freon 113)	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Vinyl chloride	ND(0.085) [ND(0.085)]	ND(0.038)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Xylenes (total)	ND(0.085) [ND(0.085)]	ND(0.076)	0.020 J	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)	ND(0.060)
SVOC								
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2,4,5-Trichlorophenol	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	R	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2,4,6-Trichlorophenol	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	R	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2,4-Dichlorophenol	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	R	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2,4-Dimethylphenol	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	R	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2,4-Dinitrophenol	ND(0.83) [ND(0.83)]	ND(0.75)	ND(0.70 J)	R	ND(0.70 J)	ND(0.70 J)	ND(0.70 J)	ND(0.70 J)
2,4-Dinitrotoluene	ND(0.83) [ND(0.83)]	ND(0.75)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2,6-Dinitrotoluene	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2-Chloronaphthalene	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2-Chlorophenol	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	R	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2-Methylnaphthalene	ND(0.21) [ND(0.21)]	0.086 J	0.10 J	0.30	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2-Methylphenol	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	R	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2-Nitroaniline	ND(0.83) [ND(0.83)]	ND(0.75)	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)
2-Nitrophenol	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	R	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
3&4-Methylphenol	ND(0.42 J) [ND(0.42 J)]	ND(0.38 J)	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	ND(0.83) [ND(0.83)]	ND(0.75)	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)
3-Methylphenol	NA	NA	ND(0.30)	R	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
3-Nitroaniline	ND(0.83) [ND(0.83)]	ND(0.75)	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)
4,6-Dinitro-2-methylpheno	ND(0.83) [ND(0.83)]	ND(0.75)	ND(0.70 J)	R	ND(0.70 J)	ND(0.70 J)	ND(0.70 J)	ND(0.70 J)
4-Bromophenyl phenyl ether	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
4-Chloro-3-methylpheno	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	R	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
4-Chloroaniline	ND(0.83) [ND(0.83)]	ND(0.75)	ND(0.70)	ND(0.70)	ND(0.70 J)	ND(0.70 J)	ND(0.70)	ND(0.70 J)
4-Chlorophenyl phenyl ether	ND(0.83) [ND(0.83)]	ND(0.75)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
4-Nitroaniline	ND(0.83) [ND(0.83)]	ND(0.75)	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)
4-Nitrophenol	ND(0.83) [ND(0.83)]	ND(0.75)	ND(0.70)	R	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)
Acenaphthene	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	0.50 J	0.080 J	ND(0.30)	ND(0.30)	ND(0.30)
Acenaphthylene	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	0.020 J	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Acetophenone	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Anthracene	ND(0.21) [ND(0.21)]	ND(0.19)	0.030 J	0.40 J	0.20 J	ND(0.30)	ND(0.30)	ND(0.30)
Atrazine	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Benzaldehyde	ND(0.21 J) [ND(0.21 J)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-02-12 7 - 9 02/24/03	RFI-02-13 0.5 - 2.5 10/16/02	RFI-02-14 2 - 4 03/08/05	RFI-02-14 8 - 10 03/08/05	RFI-02-19 1.7 - 4 03/22/05	RFI-02-19 8 - 10 03/22/05	RFI-02-20 1.5 - 3.5 03/23/05	RFI-02-20 8 - 10 03/23/05
Benzo(a)anthracene	ND(0.21) [ND(0.21)]	ND(0.19)	0.10 J	0.70	0.70 J	ND(0.30)	ND(0.30)	ND(0.30)
Benzo(a)pyrene	ND(0.21) [ND(0.21)]	ND(0.19)	0.10 J	0.90 J	0.90	ND(0.30)	ND(0.30)	ND(0.30)
Benzo(b)fluoranthene	ND(0.21) [ND(0.21)]	ND(0.19)	0.10 J	0.50 J	0.90	ND(0.30)	ND(0.30)	ND(0.30)
Benzo(g,h,i)perylene	ND(0.21) [ND(0.21)]	ND(0.19)	0.080 J	0.30 J	0.60	ND(0.30)	ND(0.30)	ND(0.30)
Benzo(k)fluoranthene	ND(0.21) [ND(0.21)]	ND(0.19)	0.090 J	0.60 J	0.70	ND(0.30)	ND(0.30)	ND(0.30)
Biphenyl	ND(0.21) [ND(0.21)]	ND(0.19)	0.030 J	0.090 J	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
bis(2-Chloroethoxy)methane	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
bis(2-Chloroethyl)ether	ND(0.041) [ND(0.041)]	ND(0.037)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
bis(2-Ethylhexyl)phthalate	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Butyl benzylphthalate	ND(0.21) [0.52]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Caprolactam	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Carbazole	ND(0.21) [ND(0.21)]	ND(0.19)	0.020 J	0.10 J	0.10 J	ND(0.30)	ND(0.30)	ND(0.30)
Chrysene	ND(0.21) [ND(0.21)]	ND(0.19)	0.20 J	1.3	0.90	ND(0.30)	0.030 J	ND(0.30)
Dibenz(a,h)anthracene	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	ND(0.30 J)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Dibenzofuran	ND(0.21) [ND(0.21)]	ND(0.19)	0.060 J	0.30	0.050 J	ND(0.30)	ND(0.30)	ND(0.30)
Diethyl phthalate	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Dimethyl phthalate	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Di-n-butylphthalate	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Di-n-octyl phthalate	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	ND(0.30 J)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Fluoranthene	0.12 J [ND(0.21)]	ND(0.19)	0.30	1.6	1.9	ND(0.30)	0.050 J	ND(0.30)
Fluorene	ND(0.21) [ND(0.21)]	ND(0.19)	0.010 J	0.50 J	0.060 J	ND(0.30)	ND(0.30)	ND(0.30)
Hexachlorobenzene	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Hexachlorobutadiene	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Hexachlorocyclopentadiene	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Hexachloroethane	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Indeno(1,2,3-cd)pyrene	ND(0.21) [ND(0.21)]	ND(0.19)	0.070 J	0.20 J	0.60	ND(0.30)	ND(0.30)	ND(0.30)
Isophorone	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Methylphenols, Total	ND(0.42) [ND(0.42)]	ND(0.38)	ND(0.30)	R	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Naphthalene	ND(0.21) [ND(0.21)]	ND(0.19)	0.10 J	0.20 J	0.080 J	ND(0.30)	ND(0.30)	ND(0.30)
Nitrobenzene	ND(0.083) [ND(0.083)]	ND(0.075)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
N-Nitrosodi-n-propylamine	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
N-Nitrosodiphenylamine	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Pentachlorophenol	ND(0.83) [ND(0.83)]	ND(0.75)	ND(0.70)	R	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)
Phenanthrene	0.14 J [ND(0.21)]	0.069 J	0.30	2.0 J	1.0 J	ND(0.30)	0.040 J	ND(0.30)
Phenol	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.30)	R	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Pyrene	0.088 J [ND(0.21)]	ND(0.19)	0.20 J	1.4	1.3	ND(0.30)	ND(0.30)	ND(0.30)
PCB								
Aroclor-1016 (PCB-1016)	ND(0.043) [ND(0.043)]	ND(0.039)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1221 (PCB-1221)	ND(0.043) [ND(0.043)]	ND(0.039)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1232 (PCB-1232)	ND(0.043) [ND(0.043)]	ND(0.039)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1242 (PCB-1242)	ND(0.043) [ND(0.043)]	ND(0.039)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1248 (PCB-1248)	ND(0.043) [ND(0.043)]	ND(0.039)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1254 (PCB-1254)	ND(0.043) [ND(0.043)]	ND(0.039)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1260 (PCB-1260)	ND(0.043) [ND(0.043)]	ND(0.039)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Total PCBs	ND(0.043) [ND(0.043)]	ND(0.039)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Inorganic								
Antimony	ND(0.17) [ND(0.18)]	R	ND(0.50)	ND(0.50)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Arsenic	7.5 [4.2]	3.5 J	1.1 J	1.7 J	1.2	0.60	2.3	0.56
Barium	84 [66]	29 J	18 J	18 J	33	62	70	230
Beryllium	0.47 J [0.46 J]	0.20 J	ND(0.10)	0.12	ND(0.50)	ND(0.50)	ND(0.50)	1.3
Cadmium	0.19 [0.16]	0.12	0.19	0.15	ND(0.20)	0.23	0.28	ND(0.20)
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	19 [14]	9.3 J	20	5.1	9.7	3.4	9.9	24
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	9.4 [9.9]	4.3	1.4	1.7	1.8	1.9	5.6	16
Copper	58 [14]	6.4 J	12	10	17	6.9	140	16
Cyanide (total)	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Lead	18 [30]	12 J	28	62	30	7.0	400	13
Manganese	340 [400]	150 J	130	150	150	390	310	550
Mercury	0.012 J [0.014 J]	0.026 J	ND(0.050)	ND(0.050)	0.060	ND(0.050)	0.080	ND(0.050)
Nickel	24 [18]	7.4 J	14	6.0	8.7	3.4	19	45
Selenium	0.098 [0.24]	0.057 J	0.24	ND(0.20)	0.34	ND(0.20)	0.27	ND(0.20)
Silver	0.093 J [0.051 J]	0.021 J	ND(0.20)	ND(0.20)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Thallium	0.18 [0.14 J]	0.082 J	ND(0.10)	ND(0.10)	ND(0.50)	ND(0.50)	0.82	ND(0.50)
Vanadium	28 [22]	15 J	2.9	5.2	3.5	5.7	13	19
Zinc	66 [47]	30 J	7.3 J	14 J	17	11	76	49

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-02-21 1.5 - 3.5 03/23/05	RFI-02-21 8 - 10 03/23/05	RFI-02-22 0 - 3 03/23/05	RFI-02-22 8 - 10 03/23/05	RFI-02-22 11 - 13 03/23/05	RFI-02-23 1.7 - 3.7 03/24/05	RFI-02-23 8 - 10 03/24/05	RFI-02-24 1.3 - 3.3 03/24/05
Miscellaneous								
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	85	83	87	89 [86]	83	92	85	82
VOC								
1,1,1-Trichloroethane	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)
1,1,2,2-Tetrachloroethane	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)	ND(0.060 J) [ND(0.060 J)]	ND(0.060 J)	ND(0.050 J)	ND(0.060 J)	ND(0.060 J)
1,1,2-Trichloroethane	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)
1,1-Dichloroethane	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)
1,1-Dichloroethene	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)
1,2,4-Trichlorobenzene	ND(0.10 J)	ND(0.10 J)	ND(0.10 J)	ND(0.10 J) [ND(0.10 J)]	ND(0.10 J)	ND(0.10 J)	ND(0.10 J)	ND(0.10 J)
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)	ND(0.060 J) [ND(0.060 J)]	ND(0.060 J)	ND(0.050 J)	ND(0.060 J)	ND(0.060 J)
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)
1,2-Dichlorobenzene	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)
1,2-Dichloroethane	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)
1,2-Dichloropropane	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)
1,3-Dichlorobenzene	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)	ND(0.060 J) [ND(0.060 J)]	ND(0.060 J)	ND(0.050 J)	ND(0.060 J)	ND(0.060 J)
1,4-Dichlorobenzene	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)
2-Butanone (Methyl Ethyl Ketone)	ND(0.90 J)	ND(0.90 J)	ND(0.90 J)	ND(0.80 J) [ND(0.90 J)]	ND(0.90 J)	ND(0.80 J)	ND(0.90 J)	ND(0.90 J)
2-Hexanone	ND(3.0 J)	ND(3.0 J)	ND(3.0 J)	ND(3.0 J) [ND(3.0 J)]	ND(3.0 J)	ND(3.0 J)	ND(3.0 J)	ND(3.0 J)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(3.0 J)	ND(3.0 J)	ND(3.0 J)	ND(3.0 J) [ND(3.0 J)]	ND(3.0 J)	ND(3.0 J)	ND(3.0 J)	ND(3.0 J)
Acetone	ND(0.90 J)	ND(0.90 J)	ND(0.90 J)	ND(0.80 J) [ND(0.90 J)]	ND(0.90 J)	ND(0.80 J)	0.60 J	ND(0.90 J)
Benzene	ND(0.060)	ND(0.060)	0.0090 J	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)
Bromodichloromethane	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)
Bromoform	ND(0.060)	ND(0.060)	ND(0.060 J)	ND(0.060 J) [ND(0.060 J)]	ND(0.060 J)	ND(0.050 J)	ND(0.060 J)	ND(0.060 J)
Bromomethane (Methyl Bromide)	R	R	R	R [R]	R	R	R	R
Carbon disulfide	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Carbon tetrachloride	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)
Chlorobenzene	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)
Chloroethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Chloroform (Trichloromethane)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)
Chloromethane (Methyl Chloride)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
cis-1,2-Dichloroethene	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)
cis-1,3-Dichloropropene	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)
Cyclohexane	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)	ND(0.060 J) [ND(0.060 J)]	ND(0.060 J)	ND(0.050 J)	ND(0.060 J)	ND(0.060 J)
Dibromochloromethane	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)	ND(0.060 J) [ND(0.060 J)]	ND(0.060 J)	ND(0.050 J)	ND(0.060 J)	ND(0.060 J)
Dichlorodifluoromethane (CFC-12)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)
Ethylbenzene	ND(0.060)	ND(0.060)	0.0080 J	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	0.050 J	ND(0.060)
Isopropylbenzene	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)
m&p-Xylene	ND(0.060)	ND(0.060)	0.030 J	0.020 J [0.020 J]	0.030 J	ND(0.050)	0.19 J	ND(0.060)
Methyl acetate	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0) [ND(3.0)]	ND(3.0)	ND(3.0)	ND(3.0)	0.20 J
Methyl cyclohexane	ND(0.060)	ND(0.060)	0.070 J	0.040 J [0.020 J]	0.010 J	ND(0.050)	ND(0.060)	ND(0.060)
Methyl Tert Butyl Ether	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Methylene chloride	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
o-Xylene	ND(0.060)	ND(0.060)	0.020 J	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	0.030 J	ND(0.060)
Styrene	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)
Tetrachloroethene	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)
Toluene	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	1.4	ND(0.060)
trans-1,2-Dichloroethene	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.060)
trans-1,3-Dichloropropene	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)	ND(0.060 J) [ND(0.060 J)]	ND(0.060 J)	ND(0.050 J)	ND(0.060 J)	ND(0.060 J)
Trichloroethene	ND(0.060)	ND(0.060)	ND(0.060)	0.010 J [0.020 J]	0.020 J	ND(0.050)	ND(0.060)	ND(0.060)
Trichlorofluoromethane (CFC-11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Trifluorotrichloroethane (Freon 113)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Vinyl chloride	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Xylenes (total)	ND(0.060)	ND(0.060)	0.050 J	0.020 J [0.020 J]	0.030 J	ND(0.050)	0.22 J	ND(0.060)
SVOC								
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2,4,5-Trichlorophenol	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2,4,6-Trichlorophenol	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2,4-Dichlorophenol	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2,4-Dimethylphenol	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2,4-Dinitrophenol	ND(0.70 J)	ND(0.70 J)	ND(0.70 J)	ND(0.70 J) [ND(0.70 J)]	ND(0.70 J)	ND(0.70 J)	ND(0.70 J)	ND(0.70 J)
2,4-Dinitrotoluene	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2,6-Dinitrotoluene	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2-Chloronaphthalene	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2-Chlorophenol	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2-Methylnaphthalene	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2-Methylphenol	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
2-Nitroaniline	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70) [ND(0.70)]	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)
2-Nitrophenol	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
3&4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70) [ND(0.70)]	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)
3-Methylphenol	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
3-Nitroaniline	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70) [ND(0.70)]	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)
4,6-Dinitro-2-methylpheno	ND(0.70 J)	ND(0.70 J)	ND(0.70)	ND(0.70 J) [ND(0.70 J)]	ND(0.70 J)	ND(0.70 J)	ND(0.70 J)	ND(0.70 J)
4-Bromophenyl phenyl ether	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
4-Chloro-3-methylpheno	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
4-Chloroaniline	ND(0.70 J)	ND(0.70 J)	ND(0.70)	ND(0.70) [ND(0.70)]	ND(0.70 J)	ND(0.70)	ND(0.70)	ND(0.70)
4-Chlorophenyl phenyl ether	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
4-Nitroaniline	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70) [ND(0.70)]	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)
4-Nitrophenol	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70) [ND(0.70)]	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)
Acenaphthene	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Acenaphthylene	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Acetophenone	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Anthracene	ND(0.30)	ND(0.30)	0.050 J	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Atrazine	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Benzaldehyde	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-02-21 1.5 - 3.5 03/23/05	RFI-02-21 8 - 10 03/23/05	RFI-02-22 0 - 3 03/23/05	RFI-02-22 8 - 10 03/23/05	RFI-02-22 11 - 13 03/23/05	RFI-02-23 1.7 - 3.7 03/24/05	RFI-02-23 8 - 10 03/24/05	RFI-02-24 1.3 - 3.3 03/24/05
Benzo(a)anthracene	0.060 J	ND(0.30)	0.070 J	ND(0.30) [0.040 J]	0.10 J	ND(0.30)	ND(0.30)	ND(0.30)
Benzo(a)pyrene	ND(0.30)	ND(0.30)	0.080 J	ND(0.30) [ND(0.30)]	0.20 J	ND(0.30)	ND(0.30 J)	ND(0.30 J)
Benzo(b)fluoranthene	0.060 J	ND(0.30)	0.090 J	ND(0.30) [ND(0.30)]	0.10 J	ND(0.30)	ND(0.30 J)	ND(0.30 J)
Benzo(g,h,i)perylene	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30 J)	ND(0.30 J)
Benzo(k)fluoranthene	0.070 J	ND(0.30)	0.060 J	ND(0.30) [ND(0.30)]	0.10 J	ND(0.30)	ND(0.30 J)	ND(0.30 J)
Biphenyl	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
bis(2-Chloroethoxy)methane	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
bis(2-Chloroethyl)ether	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
bis(2-Ethylhexyl)phthalate	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Butyl benzylphthalate	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Caprolactam	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Carbazole	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Chrysene	0.070 J	ND(0.30)	0.080 J	ND(0.30) [0.040 J]	0.20 J	ND(0.30)	ND(0.30)	ND(0.30)
Dibenz(a,h)anthracene	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30 J)	ND(0.30 J)
Dibenzofuran	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Diethyl phthalate	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Dimethyl phthalate	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Di-n-butylphthalate	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Di-n-octyl phthalate	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Fluoranthene	0.10 J	ND(0.30)	0.20 J	ND(0.30) [0.090 J]	0.20 J	ND(0.30)	0.050 J	ND(0.30)
Fluorene	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Hexachlorobenzene	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Hexachlorobutadiene	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Hexachlorocyclopentadiene	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Hexachloroethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Indeno(1,2,3-cd)pyrene	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30 J)	ND(0.30 J)
Isophorone	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Methylphenols, Total	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Naphthalene	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Nitrobenzene	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
N-Nitrosodi-n-propylamine	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
N-Nitrosodiphenylamine	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Pentachlorophenol	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70) [ND(0.70)]	ND(0.70)	ND(0.70)	ND(0.70)	ND(0.70)
Phenanthrene	0.080 J	ND(0.30)	0.20 J	ND(0.30) [0.050 J]	0.10 J	0.030 J	0.080 J	ND(0.30)
Phenol	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Pyrene	0.10 J	ND(0.30)	0.20 J	ND(0.30) [0.070 J]	0.20 J	ND(0.30)	0.040 J	ND(0.30)
PCB								
Aroclor-1016 (PCB-1016)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1221 (PCB-1221)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1232 (PCB-1232)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1242 (PCB-1242)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1248 (PCB-1248)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1254 (PCB-1254)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1260 (PCB-1260)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Total PCBs	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Inorganic								
Antimony	ND(0.30)	ND(0.30)	0.92	1.3 [0.86]	1.5	ND(0.30)	ND(0.30)	ND(0.30)
Arsenic	1.3	1.1	2.0	0.84 [1.3]	1.3	1.2	0.93	3.0
Barium	16	50	370	180 [170]	170	13	21	33
Beryllium	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50) [0.63]	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Cadmium	ND(0.20)	ND(0.20)	1.2	1.6 [0.69]	1.3	ND(0.20)	ND(0.20)	0.25
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	2.3	4.2	20	16 [32]	25	15	ND(2.0)	5.2
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	1.8	2.3	5.4	3.1 [5.7]	2.6	1.6	1.3	1.4
Copper	23	5.6	110	82 [33]	86	24	3.6	7.2
Cyanide (total)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Lead	28	6.4	570 (RDC)	590 (RDC) [290]	880 (RDC)	6.0	4.0	18
Manganese	140	67	810	470 [1,300]	920	180	160	190
Mercury	ND(0.050)	ND(0.050)	1.1	0.67 [0.51]	1.4	ND(0.050)	ND(0.050)	ND(0.050)
Nickel	3.8	4.9	17	12 [16]	12	11	2.8	4.9
Selenium	0.87	0.31	0.39	ND(0.20) [ND(0.20)]	0.24	ND(0.20)	ND(0.20)	0.34
Silver	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Thallium	ND(0.50)	ND(0.50)	1.2	1.2 [0.61]	1.7	ND(0.50)	ND(0.50)	ND(0.50)
Vanadium	3.8	5.4	10	7.2 [15]	6.4	2.2	3.4	4.0
Zinc	31	17	400	360 [200]	410	7.3	7.6	21

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-02-24 8 - 10 03/24/05	RFI-03-09 0 - 2 08/23/02	RFI-03-10 0 - 2 08/23/02	RFI-03-11 0 - 2 03/07/03	RFI-03-12 0.8 - 2.8 03/11/03	RFI-03-13 0.8 - 2.8 03/11/03	RFI-03-14 0.8 - 2.8 03/11/03
Miscellaneous							
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA
Total Solids	90	91	88	84	91	89	95
VOC							
1,1,1-Trichloroethane	ND(0.060)	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ND(0.060 J)	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ND(0.060)	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ND(0.060)	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	ND(0.060)	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ND(0.10 J)	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.060 J)	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.060)	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ND(0.060)	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ND(0.060)	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ND(0.060)	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ND(0.060 J)	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ND(0.060)	NA	NA	NA	NA	NA	NA
2-Butanone (Methyl Ethyl Ketone)	ND(0.80 J)	NA	NA	NA	NA	NA	NA
2-Hexanone	ND(3.0 J)	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(3.0 J)	NA	NA	NA	NA	NA	NA
Acetone	ND(0.80 J)	NA	NA	NA	NA	NA	NA
Benzene	ND(0.060)	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ND(0.060)	NA	NA	NA	NA	NA	NA
Bromoform	ND(0.060 J)	NA	NA	NA	NA	NA	NA
Bromomethane (Methyl Bromide)	R	NA	NA	NA	NA	NA	NA
Carbon disulfide	ND(0.30)	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	ND(0.060)	NA	NA	NA	NA	NA	NA
Chlorobenzene	ND(0.060)	NA	NA	NA	NA	NA	NA
Chloroethane	ND(0.30)	NA	NA	NA	NA	NA	NA
Chloroform (Trichloromethane)	ND(0.060)	NA	NA	NA	NA	NA	NA
Chloromethane (Methyl Chloride)	ND(0.30)	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	ND(0.060)	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ND(0.060)	NA	NA	NA	NA	NA	NA
Cyclohexane	ND(0.060 J)	NA	NA	NA	NA	NA	NA
Dibromochloromethane	ND(0.060 J)	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ND(0.060)	NA	NA	NA	NA	NA	NA
Ethylbenzene	ND(0.060)	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ND(0.060)	NA	NA	NA	NA	NA	NA
m&p-Xylene	ND(0.060)	NA	NA	NA	NA	NA	NA
Methyl acetate	ND(3.0)	NA	NA	NA	NA	NA	NA
Methyl cyclohexane	ND(0.060)	NA	NA	NA	NA	NA	NA
Methyl Tert Butyl Ether	ND(0.30)	NA	NA	NA	NA	NA	NA
Methylene chloride	ND(0.30)	NA	NA	NA	NA	NA	NA
o-Xylene	ND(0.060)	NA	NA	NA	NA	NA	NA
Styrene	ND(0.060)	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ND(0.060)	NA	NA	NA	NA	NA	NA
Toluene	ND(0.060)	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	ND(0.060)	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ND(0.060 J)	NA	NA	NA	NA	NA	NA
Trichloroethene	ND(0.060)	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (CFC-11)	ND(0.10)	NA	NA	NA	NA	NA	NA
Trifluorotrichloroethane (Freon 113)	ND(0.10)	NA	NA	NA	NA	NA	NA
Vinyl chloride	ND(0.10)	NA	NA	NA	NA	NA	NA
Xylenes (total)	ND(0.060)	NA	NA	NA	NA	NA	NA
SVOC							
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	ND(0.30)	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ND(0.30)	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ND(0.30)	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ND(0.30)	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ND(0.30)	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	ND(0.70 J)	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ND(0.30)	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ND(0.30)	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ND(0.30)	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ND(0.30)	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	ND(0.30)	NA	NA	NA	NA	NA	NA
2-Methylphenol	ND(0.30)	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ND(0.70)	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ND(0.30)	NA	NA	NA	NA	NA	NA
3&4-Methylphenol	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	ND(0.70)	NA	NA	NA	NA	NA	NA
3-Methylphenol	ND(0.30)	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ND(0.70)	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylpheno	ND(0.70 J)	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ND(0.30)	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylpheno	ND(0.30)	NA	NA	NA	NA	NA	NA
4-Chloroaniline	ND(0.70)	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ND(0.30)	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ND(0.70)	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ND(0.70)	NA	NA	NA	NA	NA	NA
Acenaphthene	ND(0.30)	NA	NA	NA	NA	NA	NA
Acenaphthylene	ND(0.30)	NA	NA	NA	NA	NA	NA
Acetophenone	ND(0.30)	NA	NA	NA	NA	NA	NA
Anthracene	ND(0.30)	NA	NA	NA	NA	NA	NA
Atrazine	ND(0.30)	NA	NA	NA	NA	NA	NA
Benzaldehyde	ND(0.30)	NA	NA	NA	NA	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-02-24 8 - 10 03/24/05	RFI-03-09 0 - 2 08/23/02	RFI-03-10 0 - 2 08/23/02	RFI-03-11 0 - 2 03/07/03	RFI-03-12 0.8 - 2.8 03/11/03	RFI-03-13 0.8 - 2.8 03/11/03	RFI-03-14 0.8 - 2.8 03/11/03
Benzo(a)anthracene	ND(0.30 J)	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	ND(0.30 J)	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	ND(0.30 J)	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ND(0.30 J)	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	ND(0.30)	NA	NA	NA	NA	NA	NA
Biphenyl	ND(0.30)	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ND(0.30)	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ND(0.30)	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ND(0.30)	NA	NA	NA	NA	NA	NA
Butyl benzylphthalate	ND(0.30)	NA	NA	NA	NA	NA	NA
Caprolactam	ND(0.30)	NA	NA	NA	NA	NA	NA
Carbazole	ND(0.30)	NA	NA	NA	NA	NA	NA
Chrysene	ND(0.30)	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	ND(0.30 J)	NA	NA	NA	NA	NA	NA
Dibenzofuran	ND(0.30)	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ND(0.30)	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ND(0.30)	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	ND(0.30)	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	ND(0.30)	NA	NA	NA	NA	NA	NA
Fluoranthene	ND(0.30)	NA	NA	NA	NA	NA	NA
Fluorene	ND(0.30)	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ND(0.30)	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	ND(0.30)	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ND(0.30)	NA	NA	NA	NA	NA	NA
Hexachloroethane	ND(0.30)	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ND(0.30 J)	NA	NA	NA	NA	NA	NA
Isophorone	ND(0.30)	NA	NA	NA	NA	NA	NA
Methylphenols, Total	ND(0.30)	NA	NA	NA	NA	NA	NA
Naphthalene	ND(0.30)	NA	NA	NA	NA	NA	NA
Nitrobenzene	ND(0.20)	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ND(0.30)	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ND(0.30)	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ND(0.70)	NA	NA	NA	NA	NA	NA
Phenanthrene	ND(0.30)	NA	NA	NA	NA	NA	NA
Phenol	ND(0.30)	NA	NA	NA	NA	NA	NA
Pyrene	ND(0.30)	NA	NA	NA	NA	NA	NA
PCB							
Aroclor-1016 (PCB-1016)	ND(0.33)	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	ND(0.33)	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	ND(0.33)	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	ND(0.33)	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	ND(0.33)	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	ND(0.33)	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	ND(0.33)	NA	NA	NA	NA	NA	NA
Total PCBs	ND(0.33)	NA	NA	NA	NA	NA	NA
Inorganic							
Antimony	ND(0.30)	NA	NA	NA	NA	NA	NA
Arsenic	1.3	NA	NA	NA	NA	NA	NA
Barium	70	NA	NA	NA	NA	NA	NA
Beryllium	ND(0.50)	NA	NA	NA	NA	NA	NA
Cadmium	ND(0.20)	NA	NA	NA	NA	NA	NA
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA
Chromium Total	4.0	NA	NA	NA	NA	NA	NA
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA
Cobalt	2.8	NA	NA	NA	NA	NA	NA
Copper	4.6	NA	NA	NA	NA	NA	NA
Cyanide (total)	ND(0.10)	NA	NA	NA	NA	NA	NA
Lead	5.0	NA	NA	NA	NA	NA	NA
Manganese	180	230 J	3,100 J (IPSI C)	4,700 (IPSI C,RPSI C)	3,800 J (IPSI C,RPSI C)	2,500 J (IPSI C)	620 J
Mercury	ND(0.050)	NA	NA	NA	NA	NA	NA
Nickel	6.1	NA	NA	NA	NA	NA	NA
Selenium	0.39	NA	NA	NA	NA	NA	NA
Silver	ND(0.10)	NA	NA	NA	NA	NA	NA
Thallium	ND(0.50)	NA	NA	NA	NA	NA	NA
Vanadium	5.7	NA	NA	NA	NA	NA	NA
Zinc	14	NA	NA	NA	NA	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-03-15 0.9 - 2.9 04/10/03	RFI-03-15 6.9 - 8.9 04/10/03	RFI-05-26 7 - 9 04/12/02	RFI-05-31 7 - 9 03/11/03	RFI-07-01R 4 - 6 07/25/03	RFI-07-10 0 - 2 03/19/03	RFI-07-10 6 - 8 03/19/03	RFI-07-11 0 - 2 03/18/03
Miscellaneous								
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	89	89 [90]	85	91	83	87	89	88
VOC								
1,1,1-Trichloroethane	ND(0.039)	ND(0.039) [ND(0.038)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.039)
1,1,2,2-Tetrachloroethane	ND(0.077)	ND(0.078) [ND(0.076)]	NA	NA	ND(0.082)	ND(0.079 J)	ND(0.077 J)	ND(0.078 J)
1,1,2-Trichloroethane	ND(0.039)	ND(0.039) [ND(0.038)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.039)
1,1-Dichloroethane	ND(0.039)	ND(0.039) [ND(0.038)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.039)
1,1-Dichloroethene	ND(0.039)	ND(0.039) [ND(0.038)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.039)
1,2,4-Trichlorobenzene	ND(0.17)	ND(0.17) [ND(0.16)]	NA	NA	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	ND(0.17) [ND(0.16)]	NA	NA	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.17)	ND(0.17) [ND(0.16)]	NA	NA	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)
1,2-Dichlorobenzene	ND(0.077)	ND(0.078) [ND(0.076)]	NA	NA	ND(0.082)	ND(0.079)	ND(0.077)	ND(0.078)
1,2-Dichloroethane	ND(0.039)	ND(0.039) [ND(0.038)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.039)
1,2-Dichloropropane	ND(0.039)	ND(0.039) [ND(0.038)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.039)
1,3-Dichlorobenzene	ND(0.077)	ND(0.078) [ND(0.076)]	NA	NA	ND(0.082)	ND(0.079)	ND(0.077)	ND(0.078)
1,4-Dichlorobenzene	ND(0.077)	ND(0.078) [ND(0.076)]	NA	NA	ND(0.082)	ND(0.079)	ND(0.077)	ND(0.078)
2-Butanone (Methyl Ethyl Ketone)	ND(0.33)	ND(0.34) [ND(0.33)]	NA	NA	ND(0.35 J)	ND(0.34 J)	ND(0.33 J)	ND(0.33 J)
2-Hexanone	ND(0.077)	ND(0.078) [ND(0.076)]	NA	NA	ND(0.082)	ND(0.079 J)	ND(0.077 J)	ND(0.078 J)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(1.7)	ND(1.7) [ND(1.6)]	NA	NA	ND(1.8)	ND(1.7 J)	ND(1.6 J)	ND(1.7 J)
Acetone	ND(0.33)	ND(0.34) [ND(0.33)]	NA	NA	0.13 J	0.033 J	ND(0.33 J)	0.13 J
Benzene	ND(0.039)	ND(0.039) [ND(0.038)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.039)
Bromodichloromethane	ND(0.077)	ND(0.078) [ND(0.076)]	NA	NA	ND(0.082)	ND(0.079)	ND(0.077)	ND(0.078)
Bromoform	ND(0.077)	ND(0.078) [ND(0.076)]	NA	NA	ND(0.082)	ND(0.079)	ND(0.077)	ND(0.078)
Bromomethane (Methyl Bromide)	ND(0.17 J)	ND(0.17 J) [ND(0.16 J)]	NA	NA	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17 J)
Carbon disulfide	ND(0.17)	ND(0.17) [ND(0.16)]	NA	NA	ND(0.18 J)	ND(0.17 J)	ND(0.16 J)	ND(0.17 J)
Carbon tetrachloride	ND(0.039)	ND(0.039) [ND(0.038)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.039)
Chlorobenzene	ND(0.039)	ND(0.039) [ND(0.038)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.039)
Chloroethane	ND(0.17)	ND(0.17) [ND(0.16)]	NA	NA	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)
Chloroform (Trichloromethane)	ND(0.039)	ND(0.039) [ND(0.038)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.039)
Chloromethane (Methyl Chloride)	ND(0.17)	ND(0.17) [ND(0.16)]	NA	NA	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)
cis-1,2-Dichloroethene	ND(0.039)	ND(0.039) [ND(0.038)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.039)
cis-1,3-Dichloropropene	ND(0.039)	ND(0.039) [ND(0.038)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.039)
Cyclohexane	0.046 J	ND(0.17) [ND(0.16)]	NA	NA	ND(0.18)	ND(0.17)	ND(0.16)	0.084 J
Dibromochloromethane	ND(0.077)	ND(0.078) [ND(0.076)]	NA	NA	ND(0.082)	ND(0.079)	ND(0.077)	ND(0.078)
Dichlorodifluoromethane (CFC-12)	ND(0.077)	ND(0.078) [ND(0.076)]	NA	NA	ND(0.082)	ND(0.079)	ND(0.077)	ND(0.078 J)
Ethylbenzene	ND(0.039)	ND(0.039) [ND(0.038)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.038)	0.032 J
Isopropylbenzene	ND(0.17)	ND(0.17) [ND(0.16)]	NA	NA	ND(0.18)	ND(0.17)	ND(0.16)	0.030 J
m&p-Xylene	0.088	ND(0.078) [ND(0.076)]	NA	NA	ND(0.082)	ND(0.079)	ND(0.077)	0.17
Methyl acetate	ND(0.17 J)	ND(0.17 J) [ND(0.16 J)]	NA	NA	ND(0.18 J)	ND(0.17 J)	ND(0.16 J)	ND(0.17 J)
Methyl cyclohexane	ND(0.17)	ND(0.17) [ND(0.16)]	NA	NA	ND(0.18)	ND(0.17)	ND(0.16 J)	0.40 J
Methyl Tert Butyl Ether	ND(0.17)	ND(0.17) [ND(0.16)]	NA	NA	ND(0.18)	ND(0.17 J)	ND(0.16 J)	ND(0.17 J)
Methylene chloride	0.040 J	0.038 J [0.039 J]	NA	NA	0.10 J	0.036 J	0.035 J	0.049 J
o-Xylene	0.054	ND(0.039) [ND(0.038)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.038)	0.17
Styrene	ND(0.039)	ND(0.039) [ND(0.038)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.039)
Tetrachloroethene	ND(0.039)	ND(0.039) [ND(0.038)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.039 J)
Toluene	0.084	ND(0.078) [ND(0.076)]	NA	NA	ND(0.082)	ND(0.079)	ND(0.077)	0.038 J
trans-1,2-Dichloroethene	ND(0.039)	ND(0.039) [ND(0.038)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.039)
trans-1,3-Dichloropropene	ND(0.039)	ND(0.039) [ND(0.038)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.039)
Trichloroethene	0.068	ND(0.039) [ND(0.038)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.039)
Trichlorofluoromethane (CFC-11)	ND(0.077)	ND(0.078) [ND(0.076)]	NA	NA	ND(0.082)	ND(0.079)	ND(0.077)	ND(0.078)
Trifluorotrichloroethane (Freon 113)	ND(0.17)	ND(0.17) [ND(0.16)]	NA	NA	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)
Vinyl chloride	ND(0.077)	ND(0.078) [ND(0.076)]	NA	NA	ND(0.082)	ND(0.079)	ND(0.077)	ND(0.078)
Xylenes (total)	0.14	ND(0.078) [ND(0.076)]	NA	NA	ND(0.082)	ND(0.079)	ND(0.077)	0.34
SVOC								
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
2,4,5-Trichlorophenol	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
2,4,6-Trichlorophenol	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
2,4-Dichlorophenol	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
2,4-Dimethylpheno	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
2,4-Dinitrophenol	ND(3.8)	ND(3.8) [ND(3.7)]	NA	NA	ND(0.79)	ND(0.77)	ND(0.75)	ND(0.76)
2,4-Dinitrotoluene	ND(3.8)	ND(3.8) [ND(3.7)]	NA	NA	ND(0.79)	ND(0.77)	ND(0.75)	ND(0.76)
2,6-Dinitrotoluene	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
2-Chloronaphthalene	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
2-Chlorophenol	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
2-Methylnaphthalene	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	0.25	ND(0.20)	ND(0.19)	ND(0.19)
2-Methylphenol	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
2-Nitroaniline	ND(3.8)	ND(3.8) [ND(3.7)]	NA	NA	ND(0.79)	ND(0.77)	ND(0.75)	ND(0.76)
2-Nitrophenol	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
3&4-Methylphenol	ND(1.9 J)	ND(1.9 J) [ND(1.9 J)]	NA	NA	ND(0.40 J)	ND(0.39 J)	ND(0.38 J)	ND(0.39 J)
3,3'-Dichlorobenzidine	ND(3.8)	ND(3.8) [ND(3.7)]	NA	NA	ND(0.79)	ND(0.77)	ND(0.75)	ND(0.76)
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ND(3.8)	ND(3.8) [ND(3.7)]	NA	NA	ND(0.79)	ND(0.77)	ND(0.75)	ND(0.76)
4,6-Dinitro-2-methylpheno	ND(3.8)	ND(3.8) [ND(3.7)]	NA	NA	ND(0.79)	ND(0.77)	ND(0.75)	ND(0.76)
4-Bromophenyl phenyl ether	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
4-Chloro-3-methylpheno	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
4-Chloroaniline	ND(3.8 J)	ND(3.8 J) [ND(3.7 J)]	NA	NA	ND(0.79)	ND(0.77)	ND(0.75)	ND(0.76)
4-Chlorophenyl phenyl ether	ND(3.8)	ND(3.8) [ND(3.7)]	NA	NA	ND(0.79 J)	ND(0.77)	ND(0.75)	ND(0.76)
4-Nitroaniline	ND(3.8)	ND(3.8) [ND(3.7)]	NA	NA	ND(0.79)	ND(0.77)	ND(0.75)	ND(0.76)
4-Nitrophenol	ND(3.8)	ND(3.8) [ND(3.7)]	NA	NA	ND(0.79)	ND(0.77)	ND(0.75)	ND(0.76)
Acenaphthene	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	1.2	ND(0.20)	ND(0.19)	ND(0.19)
Acenaphthylene	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
Acetophenone	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
Anthracene	0.38 J	0.71 J [0.73 J]	NA	NA	2.3	ND(0.20)	ND(0.19)	ND(0.19)
Atrazine	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20 J)	ND(0.20)	ND(0.19)	ND(0.19)
Benzaldehyde	ND(0.96 J)	ND(0.95 J) [ND(0.95 J)]	NA	NA	ND(0.20)	R	R	R

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-03-15 0.9 - 2.9 04/10/03	RFI-03-15 6.9 - 8.9 04/10/03	RFI-05-26 7 - 9 04/12/02	RFI-05-31 7 - 9 03/11/03	RFI-07-01R 4 - 6 07/25/03	RFI-07-10 0 - 2 03/19/03	RFI-07-10 6 - 8 03/19/03	RFI-07-11 0 - 2 03/18/03
Benzo(a)anthracene	5.3	8.4 [8.9]	NA	NA	4.1 J	ND(0.20)	ND(0.19)	ND(0.19)
Benzo(a)pyrene	8.2 (IDC,RDC)	13 (IDC,RDC) [15 (IDC,RDC)]	NA	NA	4.0 J (RDC)	ND(0.20)	ND(0.19)	ND(0.19)
Benzo(b)fluoranthene	11	20 D [25 D (RDC)]	NA	NA	3.9 J	ND(0.20)	ND(0.19)	ND(0.19)
Benzo(g,h,i)perylene	4.4	6.7 [7.7]	NA	NA	2.5 J	ND(0.20)	ND(0.19)	ND(0.19)
Benzo(k)fluoranthene	8.9	7.2 [10]	NA	NA	3.6 J	ND(0.20)	ND(0.19)	ND(0.19)
Biphenyl	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	0.12 J	ND(0.20)	ND(0.19)	ND(0.19)
bis(2-Chloroethoxy)methane	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
bis(2-Chloroethyl)ether	ND(0.19)	ND(0.19) [ND(0.18)]	NA	NA	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.037)
bis(2-Ethylhexyl)phthalate	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	0.97 J	ND(0.20)	ND(0.19)	ND(0.19)
Butyl benzylphthalate	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	0.095 J	ND(0.20)	ND(0.19)	ND(0.19)
Caprolactam	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
Carbazole	ND(0.96)	0.62 J [0.68 J]	NA	NA	1.2 J	ND(0.20)	ND(0.19)	ND(0.19)
Chrysene	7.4	11 [12]	NA	NA	4.0 J	ND(0.20)	ND(0.19)	ND(0.19)
Dibenz(a,h)anthracene	ND(0.96 J)	0.51 J [0.62 J]	NA	NA	0.16 J	ND(0.20 J)	ND(0.19 J)	ND(0.19 J)
Dibenzofuran	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	0.72	ND(0.20)	ND(0.19)	ND(0.19)
Diethyl phthalate	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20 J)	ND(0.20)	ND(0.19)	ND(0.19)
Dimethyl phthalate	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
Di-n-butylphthalate	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
Di-n-octyl phthalate	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20 J)	ND(0.20)	ND(0.19)	ND(0.19)
Fluoranthene	6.9	11 [11]	NA	NA	6.6	ND(0.20)	ND(0.19)	0.087 J
Fluorene	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	1.0	ND(0.20)	ND(0.19)	ND(0.19)
Hexachlorobenzene	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
Hexachlorobutadiene	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
Hexachlorocyclopentadiene	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
Hexachloroethane	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
Indeno(1,2,3-cd)pyrene	4.0 J	6.2 J [6.8 J]	NA	NA	2.1 J	ND(0.20 J)	ND(0.19 J)	ND(0.19 J)
Isophorone	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
Methylphenols, Total	ND(1.9)	ND(1.9) [ND(1.9)]	NA	NA	ND(0.40)	ND(0.39)	ND(0.38)	ND(0.39)
Naphthalene	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	0.33	ND(0.20)	ND(0.19)	ND(0.19)
Nitrobenzene	ND(0.38)	ND(0.38) [ND(0.37)]	NA	NA	ND(0.079)	ND(0.077)	ND(0.075)	ND(0.076)
N-Nitrosodi-n-propylamine	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
N-Nitrosodiphenylamine	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
Pentachlorophenol	ND(3.8)	ND(3.8) [ND(3.7)]	NA	NA	ND(0.79)	ND(0.77)	ND(0.75)	ND(0.76)
Phenanthrene	2.1	3.7 [3.9]	NA	NA	6.7	ND(0.20)	ND(0.19)	ND(0.19)
Phenol	ND(0.96)	ND(0.95) [ND(0.95)]	NA	NA	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)
Pyrene	7.3	13 [13]	NA	NA	7.9 D	ND(0.20)	ND(0.19)	ND(0.19)
PCB								
Aroclor-1016 (PCB-1016)	ND(0.039)	ND(0.039) [ND(0.039)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.039)	ND(0.040)
Aroclor-1221 (PCB-1221)	ND(0.039)	ND(0.039) [ND(0.039)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.039)	ND(0.040)
Aroclor-1232 (PCB-1232)	ND(0.039)	ND(0.039) [ND(0.039)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.039)	ND(0.040)
Aroclor-1242 (PCB-1242)	ND(0.039)	ND(0.039) [ND(0.039)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.039)	ND(0.040)
Aroclor-1248 (PCB-1248)	ND(0.039)	ND(0.039) [ND(0.039)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.039)	ND(0.040)
Aroclor-1254 (PCB-1254)	ND(0.039)	ND(0.039) [ND(0.039)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.039)	ND(0.040)
Aroclor-1260 (PCB-1260)	ND(0.039)	ND(0.039) [ND(0.039)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.039)	ND(0.040)
Total PCBs	ND(0.039)	ND(0.039) [ND(0.039)]	NA	NA	ND(0.041)	ND(0.040)	ND(0.039)	ND(0.040)
Inorganic								
Antimony	0.72	0.38 [0.12 J]	NA	NA	0.075 J	0.011 J	0.017 J	0.11 J
Arsenic	6.8	5.9 [5.0]	NA	NA	8.4 (RDC)	4.9	18 (RDC)	6.1
Barium	87	22 [24]	NA	NA	130	48	49	52
Beryllium	0.57	0.19 [0.26]	NA	NA	0.59 J	0.33	0.23	0.35
Cadmium	2.3	2.5 [2.0]	NA	NA	ND(0.071)	ND(0.090)	ND(0.098)	0.61
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	36	8.9 [10]	NA	NA	27	17	10	12
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	4.4	4.4 [2.9]	NA	NA	11	8.1	5.3	7.6
Copper	650	2,300 [710]	NA	NA	17	7.5	9.4	15
Cyanide (total)	ND(0.20)	ND(0.20) [ND(0.20)]	NA	NA	0.23	ND(0.20)	2.9	ND(0.20)
Lead	700 (RDC)	370 [230]	540 JD (RDC)	83 J	12 J	11 J	6.5 J	42 J
Manganese	350	120 [93]	NA	NA	290	190 J	290 J	860 J
Mercury	0.23 J	0.055 J [0.055 J]	NA	NA	ND(0.078)	0.028 J	0.0090 J	0.041 J
Nickel	34	15 [11]	NA	NA	23	14	14	14
Selenium	0.57	0.22 J [0.25]	NA	NA	ND(0.063)	0.33	0.15	0.34
Silver	1.0	1.1 [0.28]	NA	NA	0.12 J	0.043 J	0.056 J	0.075 J
Thallium	0.18	0.098 J [0.11 J]	NA	NA	0.25	0.16	0.12 J	0.14 J
Vanadium	14	8.6 [11]	NA	NA	48	27	18	21
Zinc	290	460 [500]	NA	NA	49 J	46	33	72

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-07-11 8 - 10 03/24/03	RFI-07-11 12 - 14 03/24/03	RFI-07-12 0.3 - 2.3 03/17/03	RFI-07-12 8.3 - 10.3 03/17/03	RFI-07-12 14.3 - 16.3 03/17/03	RFI-07-13 0.3 - 2.3 03/17/03	RFI-07-13 8.3 - 10.3 03/17/03	RFI-07-13 14.3 - 16.3 03/17/03
Miscellaneous								
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	87	93	85	92 [91]	92	89	92	91
VOC								
1,1,1-Trichloroethane	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)
1,1,2,2-Tetrachloroethane	ND(0.080)	ND(0.074 J)	ND(0.080)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.077 J)	ND(0.074 J)	ND(0.076 J)
1,1,2-Trichloroethane	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)
1,1-Dichloroethane	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)
1,1-Dichloroethene	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)
1,2,4-Trichlorobenzene	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)
1,2-Dichlorobenzene	ND(0.080)	ND(0.074)	ND(0.080)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.077)	ND(0.074)	ND(0.076)
1,2-Dichloroethane	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)
1,2-Dichloropropane	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)
1,3-Dichlorobenzene	ND(0.080)	ND(0.074)	ND(0.080)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.077)	ND(0.074)	ND(0.076)
1,4-Dichlorobenzene	ND(0.080)	ND(0.074)	ND(0.080)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.077)	ND(0.074)	ND(0.076)
2-Butanone (Methyl Ethyl Ketone)	ND(0.34)	ND(0.32 J)	ND(0.34 J)	ND(0.32) [ND(0.32)]	ND(0.32)	ND(0.33 J)	ND(0.32 J)	ND(0.33 J)
2-Hexanone	ND(0.080)	ND(0.074 J)	ND(0.080)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.077 J)	ND(0.074 J)	ND(0.076 J)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(1.7)	ND(1.6 J)	ND(1.7)	ND(1.6) [ND(1.6)]	ND(1.6)	ND(1.7 J)	ND(1.6 J)	ND(1.6 J)
Acetone	ND(0.34)	ND(0.32 J)	ND(0.34 J)	0.048 J [0.035 J]	ND(0.32)	ND(0.33 J)	ND(0.32 J)	ND(0.33 J)
Benzene	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)
Bromodichloromethane	ND(0.080)	ND(0.074)	ND(0.080)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.077)	ND(0.074)	ND(0.076)
Bromoform	ND(0.080)	ND(0.074)	ND(0.080)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.077)	ND(0.074)	ND(0.076)
Bromomethane (Methyl Bromide)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)
Carbon disulfide	ND(0.17)	ND(0.16 J)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)
Carbon tetrachloride	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)
Chlorobenzene	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)
Chloroethane	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)
Chloroform (Trichloromethane)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)
Chloromethane (Methyl Chloride)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)
cis-1,2-Dichloroethene	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)
cis-1,3-Dichloropropene	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)
Cyclohexane	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)
Dibromochloromethane	ND(0.080)	ND(0.074)	ND(0.080)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.077)	ND(0.074)	ND(0.076)
Dichlorodifluoromethane (CFC-12)	ND(0.080)	ND(0.074)	ND(0.080)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.077)	ND(0.074)	ND(0.076)
Ethylbenzene	0.059	ND(0.037)	ND(0.040)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)
Isopropylbenzene	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)
m&p-Xylene	0.22	ND(0.074)	ND(0.080)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.077)	ND(0.074)	ND(0.076)
Methyl acetate	ND(0.17)	ND(0.16 J)	ND(0.17 J)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.17 J)	ND(0.16 J)	ND(0.16 J)
Methyl cyclohexane	ND(0.17)	ND(0.16 J)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)	0.035 J	ND(0.16 J)	ND(0.16 J)
Methyl Tert Butyl Ether	ND(0.17)	ND(0.16 J)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.17 J)	ND(0.16 J)	ND(0.16 J)
Methylene chloride	ND(0.17)	ND(0.16)	0.055 J	0.056 J [0.051 J]	0.052 J	ND(0.17)	ND(0.16)	ND(0.16)
o-Xylene	0.037 J	ND(0.037)	ND(0.040)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)
Styrene	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)
Tetrachloroethene	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)
Toluene	ND(0.080)	ND(0.074)	ND(0.080)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.077)	ND(0.074)	ND(0.076)
trans-1,2-Dichloroethene	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)
trans-1,3-Dichloropropene	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)
Trichloroethene	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)
Trichlorofluoromethane (CFC-11)	ND(0.080)	ND(0.074)	ND(0.080)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.077)	ND(0.074)	ND(0.076)
Trifluorotrichloroethane (Freon 113)	ND(0.17)	ND(0.16)	0.086 J	0.052 J [0.039 J]	0.046 J	ND(0.17)	ND(0.16)	ND(0.16)
Vinyl chloride	ND(0.080)	ND(0.074)	ND(0.080)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.077)	ND(0.074)	ND(0.076)
Xylenes (total)	0.26 J	ND(0.074)	ND(0.080)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.077)	ND(0.074)	ND(0.076)
SVOC								
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
2,4,5-Trichlorophenol	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
2,4,6-Trichlorophenol	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
2,4-Dichlorophenol	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
2,4-Dimethylphenol	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
2,4-Dinitrophenol	ND(0.77)	ND(0.72)	ND(0.79)	ND(0.73) [ND(0.73)]	ND(0.73)	ND(0.75)	ND(0.73)	ND(0.73)
2,4-Dinitrotoluene	ND(0.77)	ND(0.72)	ND(0.79)	ND(0.73) [ND(0.73)]	ND(0.73)	ND(0.75)	ND(0.73)	ND(0.73)
2,6-Dinitrotoluene	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
2-Chloronaphthalene	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
2-Chlorophenol	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
2-Methylnaphthalene	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
2-Methylphenol	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
2-Nitroaniline	ND(0.77)	ND(0.72)	ND(0.79)	ND(0.73) [ND(0.73)]	ND(0.73)	ND(0.75)	ND(0.73)	ND(0.73)
2-Nitrophenol	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
3&4-Methylphenol	ND(0.39 J)	ND(0.37 J)	ND(0.40 J)	ND(0.37 J) [ND(0.37 J)]	ND(0.37 J)	ND(0.38)	ND(0.37 J)	ND(0.37 J)
3,3'-Dichlorobenzidine	ND(0.77)	ND(0.72)	ND(0.79)	ND(0.73) [ND(0.73)]	ND(0.73)	ND(0.75)	ND(0.73 J)	ND(0.73)
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ND(0.77)	ND(0.72)	ND(0.79)	ND(0.73) [ND(0.73)]	ND(0.73)	ND(0.75)	ND(0.73)	ND(0.73)
4,6-Dinitro-2-methylpheno	ND(0.77)	ND(0.72)	ND(0.79)	ND(0.73) [ND(0.73)]	ND(0.73)	ND(0.75)	ND(0.73)	ND(0.73)
4-Bromophenyl phenyl ether	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
4-Chloro-3-methylpheno	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
4-Chloroaniline	ND(0.77)	ND(0.72)	ND(0.79)	ND(0.73) [ND(0.73)]	ND(0.73)	ND(0.75)	ND(0.73)	ND(0.73)
4-Chlorophenyl phenyl ether	ND(0.77)	ND(0.72)	ND(0.79)	ND(0.73) [ND(0.73)]	ND(0.73)	ND(0.75)	ND(0.73)	ND(0.73)
4-Nitroaniline	ND(0.77)	ND(0.72)	ND(0.79)	ND(0.73) [ND(0.73)]	ND(0.73)	ND(0.75)	ND(0.73)	ND(0.73)
4-Nitrophenol	ND(0.77)	ND(0.72)	ND(0.79)	ND(0.73) [ND(0.73)]	ND(0.73)	ND(0.75)	ND(0.73)	ND(0.73)
Acenaphthene	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Acenaphthylene	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Acetophenone	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Anthracene	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Atrazine	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19 J)	ND(0.18 J)	ND(0.19)
Benzaldehyde	ND(0.20 J)	ND(0.18 J)	ND(0.20 J)	R [R]	R	ND(0.19 J)	ND(0.18 J)	ND(0.19 J)

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-07-11 8 - 10 03/24/03	RFI-07-11 12 - 14 03/24/03	RFI-07-12 0.3 - 2.3 03/17/03	RFI-07-12 8.3 - 10.3 03/17/03	RFI-07-12 14.3 - 16.3 03/17/03	RFI-07-13 0.3 - 2.3 03/17/03	RFI-07-13 8.3 - 10.3 03/17/03	RFI-07-13 14.3 - 16.3 03/17/03
Benzo(a)anthracene	ND(0.20)	ND(0.18)	0.082 J	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Benzo(a)pyrene	ND(0.20)	ND(0.18)	0.080 J	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19 J)	ND(0.18)	ND(0.19)
Benzo(b)fluoranthene	ND(0.20)	ND(0.18)	0.099 J	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19 J)	ND(0.18)	ND(0.19)
Benzo(g,h,i)perylene	ND(0.20)	ND(0.18)	ND(0.20 J)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19 J)	ND(0.18 J)	ND(0.19)
Benzo(k)fluoranthene	ND(0.20)	ND(0.18)	0.12 J	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19 J)	ND(0.18)	ND(0.19)
Biphenyl	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
bis(2-Chloroethoxy)methane	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
bis(2-Chloroethyl)ether	ND(0.038)	ND(0.036)	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.036)
bis(2-Ethylhexyl)phthalate	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Butyl benzylphthalate	ND(0.20)	ND(0.18)	0.086 J	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Caprolactam	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Carbazole	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18 J)	ND(0.19)
Chrysene	ND(0.20)	ND(0.18)	0.091 J	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Dibenz(a,h)anthracene	ND(0.20 J)	ND(0.18 J)	ND(0.20 J)	ND(0.19 J) [ND(0.19 J)]	ND(0.18 J)	ND(0.19 J)	ND(0.18 J)	ND(0.19)
Dibenzofuran	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Diethyl phthalate	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Dimethyl phthalate	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Di-n-butylphthalate	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Di-n-octyl phthalate	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19 J)	ND(0.18 J)	ND(0.19)
Fluoranthene	ND(0.20)	ND(0.18)	0.12 J	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Fluorene	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Hexachlorobenzene	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Hexachlorobutadiene	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Hexachlorocyclopentadiene	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Hexachloroethane	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Indeno(1,2,3-cd)pyrene	ND(0.20 J)	ND(0.18 J)	ND(0.20)	ND(0.19 J) [ND(0.19 J)]	ND(0.18 J)	ND(0.19 J)	ND(0.18 J)	ND(0.19)
Isophorone	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Methylphenols, Total	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.37) [ND(0.37)]	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.37)
Naphthalene	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Nitrobenzene	ND(0.077)	ND(0.072)	ND(0.079)	ND(0.073) [ND(0.073)]	ND(0.073)	ND(0.075)	ND(0.073)	ND(0.073)
N-Nitrosodi-n-propylamine	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
N-Nitrosodiphenylamine	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Pentachlorophenol	ND(0.77)	ND(0.72)	ND(0.79)	ND(0.73) [ND(0.73)]	ND(0.73)	ND(0.75)	ND(0.73)	ND(0.73)
Phenanthrene	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Phenol	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Pyrene	ND(0.20)	ND(0.18)	0.21	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
PCB								
Aroclor-1016 (PCB-1016)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.038)
Aroclor-1221 (PCB-1221)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.038)
Aroclor-1232 (PCB-1232)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.038)
Aroclor-1242 (PCB-1242)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.038)
Aroclor-1248 (PCB-1248)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.038)
Aroclor-1254 (PCB-1254)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.038)
Aroclor-1260 (PCB-1260)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.038)
Total PCBs	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.038)
Inorganic								
Antimony	0.022 J	0.043 J	0.025 J	0.027 J [0.0090 J]	0.024 J	0.026 J	0.0087 J	0.0083 J
Arsenic	5.1	6.1	9.1 J (RDC)	5.3 [4.5]	6.7	11 J (RDC)	5.9 J	6.8 J
Barium	64	39	82 J	49 [56]	72	89 J	61 J	68 J
Beryllium	0.48	0.39	0.26	0.36 [0.32]	0.37	0.40	0.37	0.33
Cadmium	ND(0.082)	ND(0.081)	0.60	ND(0.085) [ND(0.081)]	ND(0.095)	0.20	ND(0.10)	ND(0.10)
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	17	15	15	15 [13]	17	19	17	17
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	6.5	6.6	5.0	6.8 [5.5]	7.0	7.4	7.1	7.6
Copper	12	11	19	13 [9.7]	13	12	12	13
Cyanide (total)	ND(1.0)	ND(1.0)	ND(0.20)	0.81 [1.2]	0.89	ND(0.20)	0.58	0.62
Lead	6.8	6.8	72 J	9.2 J [6.4 J]	8.0 J	16 J	7.8 J	8.4 J
Manganese	200 J	220 J	460 J	270 J [230 J]	260 J	430 J	290 J	280 J
Mercury	0.012 J	0.0077 J	0.067 J	0.0061 J [0.0080 J]	0.0080 J	0.028 J	0.0076 J	0.0095 J
Nickel	19	18	15	18 [15]	20	17	20	20
Selenium	ND(0.25)	ND(0.19)	0.31	0.14 [0.15]	0.18	0.14	0.15	0.17
Silver	0.074 J	0.067 J	0.18	0.075 J [0.063 J]	0.078 J	0.10 J	0.084 J	0.063 J
Thallium	0.20	0.14 J	0.13 J	0.15 [0.14 J]	0.18	0.15 J	0.16 J	0.15 J
Vanadium	27	26	18	25 [21]	29	36	28	28
Zinc	36 J	34 J	160 J	34 [29]	38	65 J	53 J	38 J

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-07-14 0 - 2 03/19/03	RFI-09-01R 4 - 6 02/26/03	RFI-09-01R 6 - 8 02/26/03	RFI-09-01R 8 - 10 02/26/03	RFI-09-03R 0.5 - 2.5 02/26/03	RFI-09-17 1 - 3 04/09/03	RFI-09-33 0.5 - 2 08/20/02	RFI-09-33 3 - 5 08/20/02	RFI-09-33 5 - 6.8 08/20/02	RFI-09-34 0 - 2 08/20/02
Miscellaneous										
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	86	82	81	82	88	70	94	94	96	94
VOC										
1,1,1-Trichloroethane	ND(0.040)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ND(0.081 J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ND(0.040)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	ND(0.040)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	ND(0.040)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ND(0.17)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.17)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ND(0.081)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ND(0.040)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ND(0.040)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ND(0.081)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ND(0.081)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (Methyl Ethyl Ketone)	ND(0.35 J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	ND(0.081 J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(1.7 J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	ND(0.35 J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	ND(0.040)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ND(0.081)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	ND(0.081)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane (Methyl Bromide)	ND(0.17)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	ND(0.17 J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	ND(0.040)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ND(0.040)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ND(0.17)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform (Trichloromethane)	ND(0.040)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane (Methyl Chloride)	ND(0.17)	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	ND(0.040)	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ND(0.040)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	ND(0.17)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	ND(0.081)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ND(0.081)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	ND(0.040)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	ND(0.17)	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylene	ND(0.081)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	0.26 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl cyclohexane	0.043 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Tert Butyl Ether	ND(0.17 J)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	ND(0.17)	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	ND(0.040)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	ND(0.040)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	ND(0.040)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	ND(0.081)	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	ND(0.040)	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ND(0.040)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	ND(0.040)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (CFC-11)	ND(0.081)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trifluorotrchloroethane (Freon 113)	ND(0.17)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	ND(0.081)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	ND(0.081)	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOC										
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
2,4-Dinitrophenol	ND(0.78)	NA	NA	NA	ND(0.76)	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ND(0.78)	NA	NA	NA	ND(0.76)	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
2-Chloronaphthalene	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
2-Chlorophenol	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
2-Methylnaphthalene	ND(0.20)	NA	NA	NA	0.11 J	NA	NA	NA	NA	NA
2-Methylphenol	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
2-Nitroaniline	ND(0.78)	NA	NA	NA	ND(0.76)	NA	NA	NA	NA	NA
2-Nitrophenol	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
3&4-Methylphenol	ND(0.40 J)	NA	NA	NA	ND(0.39 J)	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	ND(0.78)	NA	NA	NA	ND(0.76)	NA	NA	NA	NA	NA
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ND(0.78)	NA	NA	NA	ND(0.76)	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylpheno	ND(0.78)	NA	NA	NA	ND(0.76)	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
4-Chloro-3-methylpheno	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
4-Chloroaniline	ND(0.78)	NA	NA	NA	ND(0.76)	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ND(0.78)	NA	NA	NA	ND(0.76)	NA	NA	NA	NA	NA
4-Nitroaniline	ND(0.78)	NA	NA	NA	ND(0.76)	NA	NA	NA	NA	NA
4-Nitrophenol	ND(0.78)	NA	NA	NA	ND(0.76)	NA	NA	NA	NA	NA
Acenaphthene	ND(0.20)	NA	NA	NA	0.12 J	NA	NA	NA	NA	NA
Acenaphthylene	ND(0.20)	NA	NA	NA	0.074 J	NA	NA	NA	NA	NA
Acetophenone	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
Anthracene	ND(0.20)	NA	NA	NA	0.45	NA	NA	NA	NA	NA
Atrazine	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
Benzaldehyde	R	NA	NA	NA	ND(0.19 J)	NA	NA	NA	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-07-14 0 - 2 03/19/03	RFI-09-01R 4 - 6 02/26/03	RFI-09-01R 6 - 8 02/26/03	RFI-09-01R 8 - 10 02/26/03	RFI-09-03R 0.5 - 2.5 02/26/03	RFI-09-17 1 - 3 04/09/03	RFI-09-33 0.5 - 2 08/20/02	RFI-09-33 3 - 5 08/20/02	RFI-09-33 5 - 6.8 08/20/02	RFI-09-34 0 - 2 08/20/02
Benzo(a)anthracene	ND(0.20)	NA	NA	NA	1.4	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.081 J	NA	NA	NA	1.5 J	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.12 J	NA	NA	NA	1.7 J	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	ND(0.20)	NA	NA	NA	0.70 J	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.10 J	NA	NA	NA	1.4 J	NA	NA	NA	NA	NA
Biphenyl	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ND(0.038)	NA	NA	NA	ND(0.038)	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
Butyl benzylphthalate	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
Caprolactam	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
Carbazole	ND(0.20)	NA	NA	NA	0.15 J	NA	NA	NA	NA	NA
Chrysene	0.087 J	NA	NA	NA	1.3	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	ND(0.20 J)	NA	NA	NA	0.24 J	NA	NA	NA	NA	NA
Dibenzofuran	ND(0.20)	NA	NA	NA	0.085 J	NA	NA	NA	NA	NA
Diethyl phthalate	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
Dimethyl phthalate	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
Di-n-butylphthalate	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
Di-n-octyl phthalate	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
Fluoranthene	0.17 J	NA	NA	NA	3.0	NA	NA	NA	NA	NA
Fluorene	ND(0.20)	NA	NA	NA	0.14 J	NA	NA	NA	NA	NA
Hexachlorobenzene	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
Hexachlorobutadiene	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
Hexachloroethane	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ND(0.20 J)	NA	NA	NA	0.63	NA	NA	NA	NA	NA
Isophorone	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
Methylphenols, Total	ND(0.40)	NA	NA	NA	ND(0.39)	NA	NA	NA	NA	NA
Naphthalene	ND(0.20)	NA	NA	NA	0.079 J	NA	NA	NA	NA	NA
Nitrobenzene	ND(0.078)	NA	NA	NA	ND(0.076)	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
Pentachlorophenol	ND(0.78)	NA	NA	NA	ND(0.76)	NA	NA	NA	NA	NA
Phenanthrene	0.083 J	NA	NA	NA	1.7	NA	NA	NA	NA	NA
Phenol	ND(0.20)	NA	NA	NA	ND(0.19)	NA	NA	NA	NA	NA
Pyrene	0.15 J	NA	NA	NA	2.6	NA	NA	NA	NA	NA
PCB										
Aroclor-1016 (PCB-1016)	ND(0.041)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	ND(0.041)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	ND(0.041)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	ND(0.041)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	ND(0.041)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	ND(0.041)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	ND(0.041)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	ND(0.041)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Inorganic										
Antimony	0.089 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	5.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	120	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	0.64	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.73	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	46	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	87	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide (total)	ND(0.20)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	120 J	9.9	9.7	11	NA	92	NA	NA	NA	NA
Manganese	1,300 J	NA	NA	NA	NA	NA	1,500 J	170 J	93 J	1,400 J
Mercury	0.091	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	15	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	0.12 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	17	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	170	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-09-34 2 - 4 08/20/02	RFI-09-35 0 - 2 08/20/02	RFI-09-35 2 - 4 08/20/02	RFI-09-36R 0.3 - 2.3 08/20/02	RFI-09-36R 2.3 - 4.3 08/20/02	RFI-09-37 0.5 - 2.5 10/11/02	RFI-09-37 2.5 - 4.5 10/11/02	RFI-09-38 0.7 - 2.7 08/21/02	RFI-09-38 2.7 - 4.7 08/21/02	RFI-09-39 0.5 - 2.5 08/20/02
Miscellaneous										
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	94	96	93	88	86	92	94	94	94	86
VOC										
1,1,1-Trichloroethane	NA	NA	NA	ND(0.041)	ND(0.041)	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND(0.081)	ND(0.082)	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	ND(0.041)	ND(0.041)	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	NA	ND(0.041)	ND(0.041)	NA	NA	NA	NA	NA
1,1-Dichloroethene	NA	NA	NA	ND(0.041)	ND(0.041)	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	ND(0.081)	ND(0.082)	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA	ND(0.041)	ND(0.041)	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	ND(0.041)	ND(0.041)	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	ND(0.081)	ND(0.082)	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	ND(0.081)	ND(0.082)	NA	NA	NA	NA	NA
2-Butanone (Methyl Ethyl Ketone)	NA	NA	NA	ND(0.29)	ND(0.29)	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	ND(0.29)	ND(0.29)	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	ND(0.29)	ND(0.29)	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	ND(0.29)	ND(0.29)	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	ND(0.041)	ND(0.041)	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	ND(0.081)	ND(0.082)	NA	NA	NA	NA	NA
Bromoform	NA	NA	NA	ND(0.081)	ND(0.082)	NA	NA	NA	NA	NA
Bromomethane (Methyl Bromide)	NA	NA	NA	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA
Carbon tetrachloride	NA	NA	NA	ND(0.041)	ND(0.041)	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	ND(0.041)	ND(0.041)	NA	NA	NA	NA	NA
Chloroethane	NA	NA	NA	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA
Chloroform (Trichloromethane)	NA	NA	NA	ND(0.041)	ND(0.041)	NA	NA	NA	NA	NA
Chloromethane (Methyl Chloride)	NA	NA	NA	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	ND(0.041)	ND(0.041)	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	NA	NA	NA	ND(0.041)	ND(0.041)	NA	NA	NA	NA	NA
Cyclohexane	NA	NA	NA	0.045 J	ND(0.18)	NA	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	ND(0.081)	ND(0.082)	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	ND(0.081)	ND(0.082)	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	ND(0.041)	ND(0.041)	NA	NA	NA	NA	NA
Isopropylbenzene	NA	NA	NA	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA
m&p-Xylene	NA	NA	NA	0.060 J	ND(0.082)	NA	NA	NA	NA	NA
Methyl acetate	NA	NA	NA	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA
Methyl cyclohexane	NA	NA	NA	0.14 J	ND(0.18)	NA	NA	NA	NA	NA
Methyl Tert Butyl Ether	NA	NA	NA	ND(0.29)	ND(0.29)	NA	NA	NA	NA	NA
Methylene chloride	NA	NA	NA	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA
o-Xylene	NA	NA	NA	0.047	ND(0.041)	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	ND(0.041)	ND(0.041)	NA	NA	NA	NA	NA
Tetrachloroethene	NA	NA	NA	ND(0.041)	ND(0.041)	NA	NA	NA	NA	NA
Toluene	NA	NA	NA	0.054	ND(0.041)	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	NA	NA	NA	ND(0.041)	ND(0.041)	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	NA	NA	NA	ND(0.041)	ND(0.041)	NA	NA	NA	NA	NA
Trichloroethene	NA	NA	NA	ND(0.041)	ND(0.041)	NA	NA	NA	NA	NA
Trichlorofluoromethane (CFC-11)	NA	NA	NA	ND(0.081)	ND(0.082)	NA	NA	NA	NA	NA
Trifluorotrichloroethane (Freon 113)	NA	NA	NA	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA
Vinyl chloride	NA	NA	NA	ND(0.041)	ND(0.041)	NA	NA	NA	NA	NA
Xylenes (total)	NA	NA	NA	0.11 J	ND(0.082)	NA	NA	NA	NA	NA
SVOC										
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
2,4-Dimethylphenol	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	ND(19)	ND(7.8)	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	ND(19)	ND(7.8)	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
2-Chloronaphthalene	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
2-Methylphenol	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	ND(19)	ND(7.8)	NA	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
3&4-Methylphenol	NA	NA	NA	ND(9.6 J)	ND(4.0 J)	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	ND(19)	ND(7.8)	NA	NA	NA	NA	NA
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	ND(19)	ND(7.8)	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylpheno	NA	NA	NA	ND(19)	ND(7.8 J)	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
4-Chloro-3-methylpheno	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	ND(19)	ND(7.8)	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NA	NA	NA	ND(19)	ND(7.8)	NA	NA	NA	NA	NA
4-Nitroaniline	NA	NA	NA	ND(19)	ND(7.8)	NA	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	ND(19)	ND(7.8)	NA	NA	NA	NA	NA
Acenaphthene	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Acenaphthylene	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Acetophenone	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Anthracene	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Atrazine	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Benzaldehyde	NA	NA	NA	ND(4.8 J)	ND(2.0)	NA	NA	NA	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-09-34 2 - 4 08/20/02	RFI-09-35 0 - 2 08/20/02	RFI-09-35 2 - 4 08/20/02	RFI-09-36R 0.3 - 2.3 08/20/02	RFI-09-36R 2.3 - 4.3 08/20/02	RFI-09-37 0.5 - 2.5 10/11/02	RFI-09-37 2.5 - 4.5 10/11/02	RFI-09-38 0.7 - 2.7 08/21/02	RFI-09-38 2.7 - 4.7 08/21/02	RFI-09-39 0.5 - 2.5 08/20/02
Benzo(a)anthracene	NA	NA	NA	2.0 J	ND(2.0)	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	2.1 J (RDC)	ND(2.0 J)	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	2.0 J	ND(2.0 J)	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NA	NA	NA	1.7 J	ND(2.0 J)	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	ND(4.8 J)	ND(2.0 J)	NA	NA	NA	NA	NA
Biphenyl	NA	NA	NA	ND(4.8 J)	ND(2.0 J)	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	NA	NA	NA	ND(0.94)	ND(0.38)	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Butyl benzylphthalate	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Caprolactam	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Carbazole	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	2.0 J	ND(2.0)	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	NA	NA	NA	ND(4.8 J)	ND(2.0 J)	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Diethyl phthalate	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Dimethyl phthalate	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Di-n-butylphthalate	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Di-n-octyl phthalate	NA	NA	NA	ND(4.8 J)	ND(2.0 J)	NA	NA	NA	NA	NA
Fluoranthene	NA	NA	NA	4.1 J	1.3 J	NA	NA	NA	NA	NA
Fluorene	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Hexachlorobenzene	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	ND(4.8 J)	ND(2.0 J)	NA	NA	NA	NA	NA
Isophorone	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Methylphenols, Total	NA	NA	NA	ND(9.6)	ND(4.0)	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Nitrobenzene	NA	NA	NA	ND(1.9)	ND(0.78)	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Pentachlorophenol	NA	NA	NA	ND(19)	ND(7.8)	NA	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	3.6 J	0.88 J	NA	NA	NA	NA	NA
Phenol	NA	NA	NA	ND(4.8)	ND(2.0)	NA	NA	NA	NA	NA
Pyrene	NA	NA	NA	4.9	1.1 J	NA	NA	NA	NA	NA
PCB										
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND(0.20)	ND(0.041)	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND(0.20)	ND(0.041)	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND(0.20)	ND(0.041)	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	NA	NA	NA	ND(0.20)	ND(0.041)	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND(0.20)	ND(0.041)	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	NA	NA	NA	ND(0.20)	ND(0.041)	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	NA	NA	NA	1.7	ND(0.041)	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	1.7	ND(0.041)	NA	NA	NA	NA	NA
Inorganic										
Antimony	NA	NA	NA	0.40 J	0.023 J	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	6.1 J	4.7 J	NA	NA	NA	NA	NA
Barium	NA	NA	NA	210 J	230 J	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	0.82	1.0	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	2.0 J	0.43 J	NA	NA	NA	NA	NA
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	NA	NA	NA	9.8 J	21 J	NA	NA	NA	NA	NA
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	4.4	5.0	NA	NA	NA	NA	NA
Copper	NA	NA	NA	54	20	NA	NA	NA	NA	NA
Cyanide (total)	NA	NA	NA	ND(0.20 J)	ND(0.20 J)	NA	NA	NA	NA	NA
Lead	NA	NA	NA	430 J (RDC)	140 J	9.1 J	4.7 J	68 J	3.5 J	420 J (RDC)
Manganese	180 J	1,500 J	140 J	240 J	510 J	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	0.15	0.12	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	14	14	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	0.41 J	0.45 J	NA	NA	NA	NA	NA
Silver	NA	NA	NA	0.16 J	0.11 J	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	0.10 J	0.21 J	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	17 J	22 J	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	110 J	95 J	NA	NA	NA	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-09-39 2.5 - 4.5 08/20/02	RFI-09-40 0.7 - 1.9 08/15/02	RFI-09-41 0.7 - 2.7 08/16/02	RFI-09-41 2.7 - 4.7 08/16/02	RFI-09-41 4.7 - 6.7 08/16/02	RFI-09-42 0.7 - 2.7 08/16/02	RFI-09-42 2.7 - 4.7 08/16/02	RFI-09-42 4.7 - 6.7 08/16/02	RFI-09-43 0.7 - 2.7 08/16/02
Miscellaneous									
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	89	89	94	89	90	90	83	88 [86]	90
VOC									
1,1,1-Trichloroethane	NA	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040) [ND(0.040)]	ND(0.039)
1,1,2,2-Tetrachloroethane	NA	ND(0.079)	ND(0.075)	ND(0.079)	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081) [ND(0.081)]	ND(0.078)
1,1,2-Trichloroethane	NA	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040) [ND(0.040)]	ND(0.039)
1,1-Dichloroethane	NA	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040) [ND(0.040)]	ND(0.039)
1,1-Dichloroethene	NA	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040) [ND(0.040)]	ND(0.039)
1,2,4-Trichlorobenzene	NA	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.17)
1,2-Dibromo-3-chloropropane (DBCP)	NA	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.17)
1,2-Dibromoethane (Ethylene Dibromide)	NA	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.17)
1,2-Dichlorobenzene	NA	ND(0.079)	ND(0.075)	ND(0.079)	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081) [ND(0.081)]	ND(0.078)
1,2-Dichloroethane	NA	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040) [ND(0.040)]	ND(0.039)
1,2-Dichloropropane	NA	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040) [ND(0.040)]	ND(0.039)
1,3-Dichlorobenzene	NA	ND(0.079)	ND(0.075)	ND(0.079)	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081) [ND(0.081)]	ND(0.078)
1,4-Dichlorobenzene	NA	ND(0.079)	ND(0.075)	ND(0.079)	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081) [ND(0.081)]	ND(0.078)
2-Butanone (Methyl Ethyl Ketone)	NA	ND(0.28)	ND(0.32)	ND(0.34)	ND(0.33)	ND(0.33)	ND(0.37)	ND(0.35) [ND(0.35)]	ND(0.34)
2-Hexanone	NA	ND(0.28)	ND(0.075)	ND(0.079)	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081) [ND(0.081)]	ND(0.078)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	ND(0.28)	ND(1.6)	ND(1.7)	ND(1.7)	ND(1.7)	ND(1.8)	ND(1.7) [ND(1.7)]	ND(1.7)
Acetone	NA	ND(0.28)	ND(0.32)	ND(0.34)	ND(0.33)	ND(0.33)	ND(0.37)	ND(0.35) [ND(0.35)]	ND(0.34)
Benzene	NA	ND(0.039)	0.049	0.031 J	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040) [ND(0.040)]	ND(0.039)
Bromodichloromethane	NA	ND(0.079)	ND(0.075)	ND(0.079)	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081) [ND(0.081)]	ND(0.078)
Bromoform	NA	ND(0.079)	ND(0.075)	ND(0.079)	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081) [ND(0.081)]	ND(0.078)
Bromomethane (Methyl Bromide)	NA	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.17)
Carbon disulfide	NA	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.17)
Carbon tetrachloride	NA	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040) [ND(0.040)]	ND(0.039)
Chlorobenzene	NA	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040) [ND(0.040)]	ND(0.039)
Chloroethane	NA	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.17)
Chloroform (Trichloromethane)	NA	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040) [ND(0.040)]	ND(0.039)
Chloromethane (Methyl Chloride)	NA	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.17)
cis-1,2-Dichloroethene	NA	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040) [ND(0.040)]	ND(0.039)
cis-1,3-Dichloropropene	NA	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040) [ND(0.040)]	ND(0.039)
Cyclohexane	NA	ND(0.17)	0.045 J	0.10 J	13 D	0.050 J	ND(0.18)	ND(0.17) [ND(0.17)]	0.081 J
Dibromochloromethane	NA	ND(0.079)	ND(0.075)	ND(0.079)	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081) [ND(0.081)]	ND(0.078)
Dichlorodifluoromethane (CFC-12)	NA	ND(0.079)	ND(0.075)	ND(0.079)	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081) [ND(0.081)]	ND(0.078)
Ethylbenzene	NA	ND(0.039)	0.092	ND(0.039)	0.68 J	ND(0.039)	ND(0.043)	ND(0.040) [ND(0.040)]	ND(0.039)
Isopropylbenzene	NA	ND(0.17)	ND(0.16)	ND(0.17)	0.73 J	ND(0.17)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.17)
m&p-Xylene	NA	ND(0.079)	0.25	0.043 J	1.1 J	0.082	0.054 J	ND(0.081) [ND(0.081)]	0.12
Methyl acetate	NA	0.074 J	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.17)
Methyl cyclohexane	NA	0.036 J	0.088 J	0.14 J	37 D	0.18	0.046 J	ND(0.17) [ND(0.17)]	0.27
Methyl Tert Butyl Ether	NA	ND(0.28)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.17)
Methylene chloride	NA	0.032 J	ND(0.16)	0.032 J	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.17)
o-Xylene	NA	ND(0.039)	0.086	ND(0.039)	0.18 J	0.059	ND(0.043)	ND(0.040) [ND(0.040)]	0.085
Styrene	NA	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040) [ND(0.040)]	ND(0.039)
Tetrachloroethene	NA	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040) [ND(0.040)]	ND(0.039)
Toluene	NA	ND(0.039)	0.22	ND(0.079)	ND(0.078)	0.054 J	0.061 J	ND(0.081) [ND(0.081)]	0.12
trans-1,2-Dichloroethene	NA	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040) [ND(0.040)]	ND(0.039)
trans-1,3-Dichloropropene	NA	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040) [ND(0.040)]	ND(0.039)
Trichloroethene	NA	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.039)	0.075	ND(0.043)	ND(0.040) [ND(0.040)]	ND(0.039)
Trichlorofluoromethane (CFC-11)	NA	ND(0.079)	ND(0.075)	ND(0.079)	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081) [ND(0.081)]	ND(0.078)
Trifluorotrichloroethane (Freon 113)	NA	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.17)
Vinyl chloride	NA	ND(0.039)	ND(0.075)	ND(0.079)	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081) [ND(0.081)]	ND(0.078)
Xylenes (total)	NA	ND(0.079)	0.34	0.043 J	1.3 J	0.14	0.054 J	ND(0.081) [ND(0.081)]	0.21
SVOC									
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
2,4,5-Trichlorophenol	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
2,4,6-Trichlorophenol	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
2,4-Dichlorophenol	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
2,4-Dimethylphenol	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
2,4-Dinitrophenol	NA	ND(0.75)	ND(0.71)	ND(0.75)	ND(0.74)	ND(0.74)	ND(0.81)	ND(0.76) [ND(0.78)]	ND(0.75)
2,4-Dinitrotoluene	NA	ND(0.75)	ND(0.71)	ND(0.75)	ND(0.74)	ND(0.74)	ND(0.81)	ND(0.76) [ND(0.78)]	ND(0.75)
2,6-Dinitrotoluene	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
2-Chloronaphthalene	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
2-Chlorophenol	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
2-Methylnaphthalene	NA	ND(0.19)	ND(0.18)	ND(0.19)	0.086 J	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	0.13 J
2-Methylphenol	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
2-Nitroaniline	NA	ND(0.75)	ND(0.71)	ND(0.75)	ND(0.74)	ND(0.74)	ND(0.81)	ND(0.76) [ND(0.78)]	ND(0.75)
2-Nitrophenol	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
3&4-Methylphenol	NA	ND(0.38 J)	ND(0.36 J)	ND(0.38 J)	ND(0.38 J)	ND(0.38 J)	ND(0.41 J)	ND(0.39 J) [ND(0.40 J)]	ND(0.38 J)
3,3'-Dichlorobenzidine	NA	ND(0.75)	ND(0.71)	ND(0.75)	ND(0.74)	ND(0.74)	ND(0.81)	ND(0.76) [ND(0.78)]	ND(0.75)
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	ND(0.75)	ND(0.71)	ND(0.75)	ND(0.74)	ND(0.74)	ND(0.81)	ND(0.76) [ND(0.78)]	ND(0.75)
4,6-Dinitro-2-methylpheno	NA	ND(0.75)	ND(0.71)	ND(0.75 J)	ND(0.74)	ND(0.74)	ND(0.81)	ND(0.76) [ND(0.78)]	ND(0.75)
4-Bromophenyl phenyl ether	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
4-Chloro-3-methylpheno	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
4-Chloroaniline	NA	ND(0.75)	ND(0.71)	ND(0.75)	ND(0.74)	ND(0.74)	ND(0.81)	ND(0.76) [ND(0.78)]	ND(0.75)
4-Chlorophenyl phenyl ether	NA	ND(0.75)	ND(0.71)	ND(0.75)	ND(0.74)	ND(0.74)	ND(0.81)	ND(0.76) [ND(0.78)]	ND(0.75)
4-Nitroaniline	NA	ND(0.75)	ND(0.71)	ND(0.75)	ND(0.74)	ND(0.74)	ND(0.81)	ND(0.76) [ND(0.78)]	ND(0.75)
4-Nitrophenol	NA	ND(0.75)	ND(0.71)	ND(0.75)	ND(0.74)	ND(0.74)	ND(0.81)	ND(0.76) [ND(0.78)]	ND(0.75)
Acenaphthene	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	0.17 J	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
Acenaphthylene	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
Acetophenone	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
Anthracene	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	0.47	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
Atrazine	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
Benzaldehyde	NA	ND(0.19 J)	ND(0.18 J)	ND(0.19 J)	ND(0.19 J)	ND(0.19 J)	ND(0.21 J)	ND(0.19 J) [ND(0.20 J)]	ND(0.19 J)

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-09-39 2.5 - 4.5 08/20/02	RFI-09-40 0.7 - 1.9 08/15/02	RFI-09-41 0.7 - 2.7 08/16/02	RFI-09-41 2.7 - 4.7 08/16/02	RFI-09-41 4.7 - 6.7 08/16/02	RFI-09-42 0.7 - 2.7 08/16/02	RFI-09-42 2.7 - 4.7 08/16/02	RFI-09-42 4.7 - 6.7 08/16/02	RFI-09-43 0.7 - 2.7 08/16/02
Benzo(a)anthracene	NA	0.075 J	0.074 J	ND(0.19)	ND(0.19)	1.3 J	ND(0.21)	ND(0.19) [ND(0.20)]	0.28
Benzo(a)pyrene	NA	0.086 J	0.073 J	ND(0.19 J)	ND(0.19 J)	1.5 J	0.073 J	ND(0.19) [ND(0.20)]	0.28 J
Benzo(b)fluoranthene	NA	0.10 J	0.081 J	ND(0.19 J)	ND(0.19 J)	1.3 J	ND(0.21)	ND(0.19) [ND(0.20)]	0.29 J
Benzo(g,h,i)perylene	NA	ND(0.19 J)	ND(0.18 J)	ND(0.19 J)	ND(0.19 J)	1.6 J	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19 J)
Benzo(k)fluoranthene	NA	0.093 J	ND(0.18)	ND(0.19 J)	ND(0.19 J)	1.4 J	ND(0.21)	ND(0.19) [ND(0.20)]	0.26 J
Biphenyl	NA	ND(0.19)	ND(0.18 J)	ND(0.19 J)	ND(0.19)	ND(0.19 J)	ND(0.21 J)	ND(0.19 J) [ND(0.20 J)]	ND(0.19)
bis(2-Chloroethoxy)methane	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
bis(2-Chloroethyl)ether	NA	ND(0.037)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.038) [ND(0.038)]	ND(0.037)
bis(2-Ethylhexyl)phthalate	NA	ND(0.19)	ND(0.18)	ND(0.19)	0.084 J	ND(0.19 J)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
Butyl benzylphthalate	NA	0.11 J	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19 J)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
Caprolactam	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
Carbazole	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	0.28	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
Chrysene	NA	0.086 J	0.085 J	ND(0.19)	ND(0.19)	1.4	ND(0.21)	ND(0.19) [ND(0.20)]	0.29
Dibenz(a,h)anthracene	NA	ND(0.19 J)	ND(0.18)	ND(0.19 J)	ND(0.19 J)	0.60 J	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19 J)
Dibenzofuran	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	0.15 J	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
Diethyl phthalate	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
Dimethyl phthalate	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
Di-n-butylphthalate	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
Di-n-octyl phthalate	NA	ND(0.19 J)	ND(0.18)	ND(0.19 J)	ND(0.19 J)	ND(0.19 J)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19 J)
Fluoranthene	NA	0.10 J	0.12 J	0.097 J	ND(0.19)	2.5	0.20 J	ND(0.19) [ND(0.20)]	0.55
Fluorene	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	0.19	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
Hexachlorobenzene	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
Hexachlorobutadiene	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
Hexachlorocyclopentadiene	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
Hexachloroethane	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
Indeno(1,2,3-cd)pyrene	NA	ND(0.19 J)	ND(0.18)	ND(0.19 J)	ND(0.19 J)	1.3 J	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19 J)
Isophorone	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
Methylphenols, Total	NA	ND(0.38)	ND(0.36)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.41)	ND(0.39) [ND(0.40)]	ND(0.38)
Naphthalene	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	0.15 J	ND(0.21)	ND(0.19) [ND(0.20)]	0.087 J
Nitrobenzene	NA	ND(0.075)	ND(0.071)	ND(0.075)	ND(0.074)	ND(0.074)	ND(0.081)	ND(0.076) [ND(0.078)]	ND(0.075)
N-Nitrosodi-n-propylamine	NA	ND(0.19)	ND(0.18 J)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
N-Nitrosodiphenylamine	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
Pentachlorophenol	NA	ND(0.75)	ND(0.71)	ND(0.75)	ND(0.74)	ND(0.74)	ND(0.81)	ND(0.76) [ND(0.78)]	ND(0.75)
Phenanthrene	NA	ND(0.19)	0.075 J	0.10 J	ND(0.19)	2.4	0.13 J	ND(0.19) [ND(0.20)]	0.31
Phenol	NA	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.19) [ND(0.20)]	ND(0.19)
Pyrene	NA	0.12 J	0.12 J	0.14 J	ND(0.19)	3.6 D	0.15 J	ND(0.19) [ND(0.20)]	0.54
PCB									
Aroclor-1016 (PCB-1016)	NA	ND(0.039)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.038) [ND(0.039)]	ND(0.037)
Aroclor-1221 (PCB-1221)	NA	ND(0.039)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.038) [ND(0.039)]	ND(0.037)
Aroclor-1232 (PCB-1232)	NA	ND(0.039)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.038) [ND(0.039)]	ND(0.037)
Aroclor-1242 (PCB-1242)	NA	ND(0.039)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.038) [ND(0.039)]	ND(0.037)
Aroclor-1248 (PCB-1248)	NA	ND(0.039)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.038) [ND(0.039)]	ND(0.037)
Aroclor-1254 (PCB-1254)	NA	ND(0.039)	ND(0.035)	ND(0.037)	ND(0.037)	0.043	ND(0.040)	ND(0.038) [ND(0.039)]	ND(0.037)
Aroclor-1260 (PCB-1260)	NA	ND(0.039)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.038) [ND(0.039)]	ND(0.037)
Total PCBs	NA	ND(0.039)	ND(0.035)	ND(0.037)	ND(0.037)	0.043	ND(0.040)	ND(0.038) [ND(0.039)]	ND(0.037)
Inorganic									
Antimony	NA	0.049 J	0.054 J	0.14 J	0.023 J	0.14 J	R	0.026 J [0.010 J]	0.21 J
Arsenic	NA	6.3 J	3.8 J	4.4 J	5.0 J	4.5 J	8.1 J (RDC)	7.2 J [8.3 J (RDC)]	6.8 J
Barium	NA	96 J	26 J	69 J	36 J	100 J	85 J	54 J [53 J]	170 J
Beryllium	NA	0.67 J	0.15 J	0.37 J	0.23 J	0.41 J	0.50 J	0.28 J [0.27 J]	0.77 J
Cadmium	NA	0.39	0.10	0.56	0.098	0.93	0.11	0.083 [0.071]	0.69
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	NA	15	13	15	11	24	20	12 [11]	11
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	6.1	1.9	3.9	4.2	3.1	7.7	6.9 [4.2]	5.6
Copper	NA	24	9.6	410	17	26	14	11 [9.2]	60
Cyanide (total)	NA	0.29	ND(1.0)	ND(0.20)	ND(1.0)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)
Lead	17 J	130	19	210	16	170	13	9.4 [7.6]	260
Manganese	NA	630 J	250 J	250 J	260 J	630 J	290 J	410 J [180 J]	190 J
Mercury	NA	2.0 D	0.26	2.8	0.34	0.30	0.045	0.012 J [0.027]	0.037
Nickel	NA	18 J	10 J	14 J	12 J	13 J	21 J	16 J [12 J]	13 J
Selenium	NA	0.16	0.31 J	0.12	0.061 J	0.17	ND(0.083)	ND(0.071) [0.058 J]	0.44
Silver	NA	0.11 J	0.053 J	0.28	0.25	0.13 J	0.077 J	0.090 J [0.058 J]	0.097 J
Thallium	NA	0.19 J	0.086 J	0.11 J	0.099 J	0.098 J	0.19 J	0.13 J [0.13 J]	0.15 J
Vanadium	NA	23	7.4	15	15	14	32	20 [18]	21
Zinc	NA	150 J	25 J	110 J	32 J	78 J	44 J	29 J [28 J]	64 J

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-09-43 2.7 - 4.7 08/16/02	RFI-09-43 4.7 - 6.7 08/16/02	RFI-09-44 0.7 - 2.7 08/16/02	RFI-09-44 2.7 - 4.7 08/16/02	RFI-09-45 0.5 - 2.5 08/20/02	RFI-09-45 2.5 - 4.5 08/20/02	RFI-09-45R 0.3 - 2.3 02/26/03	RFI-09-46 0 - 0.5 08/21/02
Miscellaneous								
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	88	86	90	88	91	87	87	90
VOC								
1,1,1-Trichloroethane	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.041)	NA	ND(0.038)
1,1,2,2-Tetrachloroethane	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.079)	ND(0.076)	ND(0.082)	NA	ND(0.077)
1,1,2-Trichloroethane	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.041)	NA	ND(0.038)
1,1-Dichloroethane	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.041)	NA	ND(0.038)
1,1-Dichloroethene	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.041)	NA	ND(0.038)
1,2,4-Trichlorobenzene	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.18)	NA	ND(0.16)
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.18)	NA	ND(0.16)
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.18)	NA	ND(0.16)
1,2-Dichlorobenzene	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.079)	ND(0.076)	ND(0.082)	NA	ND(0.077)
1,2-Dichloroethane	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.041)	NA	ND(0.038)
1,2-Dichloropropane	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.041)	NA	ND(0.038)
1,3-Dichlorobenzene	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.079)	ND(0.076)	ND(0.082)	NA	ND(0.077)
1,4-Dichlorobenzene	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.079)	ND(0.076)	ND(0.082)	NA	ND(0.077)
2-Butanone (Methyl Ethyl Ketone)	ND(0.34)	ND(0.35)	ND(0.33)	ND(0.34)	ND(0.27)	ND(0.29)	NA	ND(0.27)
2-Hexanone	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.079)	ND(0.27)	ND(0.29)	NA	ND(0.27)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(1.7)	ND(1.8)	ND(1.7)	ND(1.7)	ND(0.27)	ND(0.29)	NA	ND(0.27)
Acetone	ND(0.34)	ND(0.35)	ND(0.33)	ND(0.34)	ND(0.27)	ND(0.29)	NA	ND(0.27)
Benzene	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.041)	NA	ND(0.038)
Bromodichloromethane	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.079)	ND(0.076)	ND(0.082)	NA	ND(0.077)
Bromoform	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.079)	ND(0.076)	ND(0.082)	NA	ND(0.077)
Bromomethane (Methyl Bromide)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.18)	NA	ND(0.16)
Carbon disulfide	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.18)	NA	ND(0.16)
Carbon tetrachloride	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.041)	NA	ND(0.038)
Chlorobenzene	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.041)	NA	ND(0.038)
Chloroethane	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.18)	NA	ND(0.16)
Chloroform (Trichloromethane)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.041)	NA	ND(0.038)
Chloromethane (Methyl Chloride)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.18)	NA	ND(0.16)
cis-1,2-Dichloroethene	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.041)	NA	ND(0.038)
cis-1,3-Dichloropropene	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.041)	NA	ND(0.038)
Cyclohexane	ND(0.17)	ND(0.18)	0.14 J	ND(0.17)	ND(0.16)	ND(0.18)	NA	ND(0.16)
Dibromochloromethane	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.079)	ND(0.076)	ND(0.082)	NA	ND(0.077)
Dichlorodifluoromethane (CFC-12)	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.079)	ND(0.076)	ND(0.082)	NA	ND(0.077)
Ethylbenzene	ND(0.040)	ND(0.041)	0.028 J	ND(0.040)	ND(0.038)	ND(0.041)	NA	ND(0.038)
Isopropylbenzene	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.18)	NA	ND(0.16)
m&p-Xylene	ND(0.080)	ND(0.082)	0.20	ND(0.079)	ND(0.076)	ND(0.082)	NA	ND(0.077)
Methyl acetate	0.20	0.15 J	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.18)	NA	ND(0.16)
Methyl cyclohexane	ND(0.17)	ND(0.18)	0.45	ND(0.17)	ND(0.16)	ND(0.18)	NA	ND(0.16)
Methyl Tert Butyl Ether	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.27)	ND(0.29)	NA	ND(0.27)
Methylene chloride	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.18)	NA	ND(0.16)
o-Xylene	ND(0.040)	ND(0.041)	0.13	ND(0.040)	ND(0.038)	ND(0.041)	NA	ND(0.038)
Styrene	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.041)	NA	ND(0.038)
Tetrachloroethene	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.041)	NA	ND(0.038)
Toluene	ND(0.080)	ND(0.082)	0.16	ND(0.079)	ND(0.038)	ND(0.041)	NA	ND(0.038)
trans-1,2-Dichloroethene	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.041)	NA	ND(0.038)
trans-1,3-Dichloropropene	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.041)	NA	ND(0.038)
Trichloroethene	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.041)	NA	ND(0.038)
Trichlorofluoromethane (CFC-11)	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.079)	ND(0.076)	ND(0.082)	NA	ND(0.077)
Trifluorotrchloroethane (Freon 113)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.18)	NA	ND(0.16)
Vinyl chloride	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.079)	ND(0.038)	ND(0.041)	NA	ND(0.038)
Xylenes (total)	ND(0.080)	ND(0.082)	0.33	ND(0.079)	ND(0.076)	ND(0.082)	NA	ND(0.077)
SVOC								
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
2,4,5-Trichlorophenol	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
2,4,6-Trichlorophenol	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
2,4-Dichlorophenol	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
2,4-Dimethylphenol	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
2,4-Dinitrophenol	ND(0.76)	ND(0.78)	ND(0.74)	ND(0.77)	ND(7.4)	ND(0.77)	ND(0.77)	ND(0.75)
2,4-Dinitrotoluene	ND(0.76)	ND(0.78)	ND(0.74)	ND(0.77)	ND(7.4)	ND(0.77)	ND(0.77)	ND(0.75)
2,6-Dinitrotoluene	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
2-Chloronaphthalene	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
2-Chlorophenol	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
2-Methylnaphthalene	ND(0.19)	ND(0.20)	0.098 J	ND(0.19)	2.2	ND(0.20)	0.52	ND(0.19)
2-Methylphenol	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
2-Nitroaniline	ND(0.76)	ND(0.78)	ND(0.74)	ND(0.77)	ND(7.4)	ND(0.77)	ND(0.77)	ND(0.75)
2-Nitrophenol	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
3&4-Methylphenol	ND(0.39 J)	ND(0.40 J)	ND(0.38 J)	ND(0.39 J)	ND(3.8 J)	ND(0.39 J)	ND(0.39 J)	ND(0.38 J)
3,3'-Dichlorobenzidine	ND(0.76)	ND(0.78)	ND(0.74)	ND(0.77)	ND(7.4)	ND(0.77)	ND(0.77)	ND(0.75)
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ND(0.76)	ND(0.78)	ND(0.74)	ND(0.77)	ND(7.4)	ND(0.77)	ND(0.77)	ND(0.75)
4,6-Dinitro-2-methylpheno	ND(0.76)	ND(0.78)	ND(0.74)	ND(0.77)	ND(7.4 J)	ND(0.77 J)	ND(0.77)	ND(0.75 J)
4-Bromophenyl phenyl ether	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
4-Chloro-3-methylpheno	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
4-Chloroaniline	ND(0.76)	ND(0.78)	ND(0.74)	ND(0.77)	ND(7.4)	ND(0.77)	ND(0.77)	ND(0.75)
4-Chlorophenyl phenyl ether	ND(0.76)	ND(0.78)	ND(0.74)	ND(0.77)	ND(7.4)	ND(0.77)	ND(0.77)	ND(0.75)
4-Nitroaniline	ND(0.76)	ND(0.78)	ND(0.74)	ND(0.77)	ND(7.4)	ND(0.77)	ND(0.77)	ND(0.75)
4-Nitrophenol	ND(0.76)	ND(0.78)	ND(0.74)	ND(0.77)	ND(7.4)	ND(0.77)	ND(0.77)	ND(0.75)
Acenaphthene	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	3.5	ND(0.20)	1.7	ND(0.19)
Acenaphthylene	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	0.19 J	ND(0.19)
Acetophenone	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
Anthracene	ND(0.19)	ND(0.20)	0.10 J	ND(0.19)	9.8	ND(0.20)	5.2 D	ND(0.19)
Atrazine	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
Benzaldehyde	ND(0.19 J)	ND(0.20 J)	ND(0.19 J)	ND(0.19 J)	ND(1.9)	ND(0.20)	ND(0.20 J)	ND(0.19)

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-09-43 2.7 - 4.7 08/16/02	RFI-09-43 4.7 - 6.7 08/16/02	RFI-09-44 0.7 - 2.7 08/16/02	RFI-09-44 2.7 - 4.7 08/16/02	RFI-09-45 0.5 - 2.5 08/20/02	RFI-09-45 2.5 - 4.5 08/20/02	RFI-09-45R 0.3 - 2.3 02/26/03	RFI-09-46 0 - 0.5 08/21/02
Benzo(a)anthracene	ND(0.19)	ND(0.20)	0.60	ND(0.19)	14	ND(0.20)	10 D	ND(0.19)
Benzo(a)pyrene	ND(0.19)	ND(0.20)	0.65 J	ND(0.19)	13 J (IDC,RDC)	ND(0.20)	10 D (IDC,RDC)	0.070 J
Benzo(b)fluoranthene	ND(0.19)	ND(0.20)	0.66 J	ND(0.19)	12 J	ND(0.20)	10 D	0.078 J
Benzo(g,h,i)perylene	ND(0.19)	ND(0.20)	0.21 J	ND(0.19)	8.7 J	ND(0.20)	4.2	0.068 J
Benzo(k)fluoranthene	ND(0.19)	ND(0.20)	0.70 J	ND(0.19)	12 J	ND(0.20)	9.9 D	ND(0.19)
Biphenyl	ND(0.19 J)	ND(0.20 J)	ND(0.19)	ND(0.19 J)	ND(1.9 J)	ND(0.20 J)	0.20 J	ND(0.19 J)
bis(2-Chloroethoxy)methane	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
bis(2-Chloroethyl)ether	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)	ND(0.36)	ND(0.038)	ND(0.038)	ND(0.037)
bis(2-Ethylhexyl)phthalate	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20 J)	0.11 J
Butyl benzylphthalate	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20 J)	1.1
Caprolactam	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
Carbazole	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	4.6	ND(0.20)	2.9	ND(0.19)
Chrysene	ND(0.19)	ND(0.20)	0.67	ND(0.19)	14	ND(0.20)	10 D	0.077 J
Dibenz(a,h)anthracene	ND(0.19)	ND(0.20)	ND(0.19 J)	ND(0.19)	1.9 J	ND(0.20)	1.8	ND(0.19)
Dibenzofuran	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	3.4	ND(0.20)	1.4	ND(0.19)
Diethyl phthalate	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
Dimethyl phthalate	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
Di-n-butylphthalate	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
Di-n-octyl phthalate	ND(0.19)	ND(0.20)	ND(0.19 J)	ND(0.19)	ND(1.9 J)	ND(0.20)	ND(0.20)	ND(0.19)
Fluoranthene	ND(0.19)	ND(0.20)	1.0	ND(0.19)	34	ND(0.20)	28 D	0.13 J
Fluorene	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	5.3	ND(0.20)	2.2	ND(0.19)
Hexachlorobenzene	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
Hexachlorobutadiene	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
Hexachlorocyclopentadiene	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
Hexachloroethane	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
Indeno(1,2,3-cd)pyrene	ND(0.19)	ND(0.20)	0.17 J	ND(0.19)	7.8 J	ND(0.20)	4.1	ND(0.19)
Isophorone	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
Methylphenols, Total	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.39)	ND(3.8)	ND(0.39)	ND(0.39)	ND(0.38)
Naphthalene	ND(0.19)	ND(0.20)	0.070 J	ND(0.19)	4.5	ND(0.20)	1.1	ND(0.19)
Nitrobenzene	ND(0.076)	ND(0.078)	ND(0.074)	ND(0.077)	ND(0.74)	ND(0.077)	ND(0.077)	ND(0.075)
N-Nitrosodi-n-propylamine	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
N-Nitrosodiphenylamine	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
Pentachlorophenol	ND(0.76)	ND(0.78)	ND(0.74)	ND(0.77)	ND(7.4)	ND(0.77)	ND(0.77)	ND(0.75)
Phenanthrene	ND(0.19)	ND(0.20)	0.48	ND(0.19)	35	ND(0.20)	24 D	ND(0.19)
Phenol	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(1.9)	ND(0.20)	ND(0.20)	ND(0.19)
Pyrene	ND(0.19)	ND(0.20)	1.0	ND(0.19)	28	ND(0.20)	23 D	0.10 J
PCB								
Aroclor-1016 (PCB-1016)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)	ND(0.039)	ND(0.040)	NA	ND(0.039)
Aroclor-1221 (PCB-1221)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)	ND(0.039)	ND(0.040)	NA	ND(0.039)
Aroclor-1232 (PCB-1232)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)	ND(0.039)	ND(0.040)	NA	ND(0.039)
Aroclor-1242 (PCB-1242)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)	ND(0.039)	ND(0.040)	NA	ND(0.039)
Aroclor-1248 (PCB-1248)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)	ND(0.039)	ND(0.040)	NA	ND(0.039)
Aroclor-1254 (PCB-1254)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)	ND(0.039)	ND(0.040)	NA	ND(0.039)
Aroclor-1260 (PCB-1260)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)	ND(0.039)	ND(0.040)	NA	ND(0.039)
Total PCBs	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.038)	ND(0.039)	ND(0.040)	NA	ND(0.039)
Inorganic								
Antimony	0.032 J	0.011 J	1.2 J	0.26 J	0.27 J	R	NA	0.0088 J
Arsenic	3.5 J	3.3 J	14 J (RDC)	3.6 J	2.5 J	4.6 J	NA	6.4 J
Barium	54 J	29 J	110 J	34 J	62 J	23 J	NA	77 J
Beryllium	0.35 J	0.19 J	0.53 J	0.16 J	0.32	0.29	NA	0.37
Cadmium	0.093	0.088	2.2	1.9	2.6 J	0.069 J	NA	0.39 J
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	11	8.8	19	6.0	21 J	11 J	NA	26 J
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	4.7	2.4	4.8	2.2	1.5	3.3	NA	5.1
Copper	8.6	4.8	75	13	34	6.7	NA	17 J
Cyanide (total)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20 J)	ND(0.20 J)	NA	ND(0.20 J)
Lead	13	8.9	1,200 (IDC,RDC)	180	440 J (RDC)	5.7 J	NA	50 J
Manganese	180 J	63 J	390 J	980 J	510 J	170 J	NA	240
Mercury	0.040	0.015 J	0.12	0.011 J	0.11	0.025 J	NA	0.089
Nickel	11 J	7.2 J	23 J	7.7 J	7.0	8.9	NA	16
Selenium	0.23	0.21	0.39	0.12	0.19 J	0.11	NA	0.30 J
Silver	0.055 J	0.043 J	1.3	0.040 J	0.13 J	0.021 J	NA	0.33
Thallium	0.16 J	0.068 J	0.36 J	0.092 J	0.061 J	0.090 J	NA	0.19 J
Vanadium	20	15	14	10	9.3 J	16 J	NA	23 J
Zinc	32 J	17 J	150 J	34 J	74 J	25 J	NA	94 J

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-09-46 3 - 5 08/21/02	RFI-09-46 5 - 7 08/21/02	RFI-09-47 0.7 - 2.7 08/26/02	RFI-09-47 2.7 - 4.7 08/26/02	RFI-09-47 4.7 - 6.7 08/26/02	RFI-09-48 0.5 - 2.5 04/02/03	RFI-09-48 8.5 - 10.5 04/02/03
Miscellaneous							
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA
Total Solids	97 [97]	87	95	93 [88]	91	89	84
VOC							
1,1,1-Trichloroethane	ND(0.035) [ND(0.037)]	ND(0.041)	ND(0.038)	ND(0.037) [ND(0.039)]	ND(0.038)	ND(0.039)	ND(0.046)
1,1,2,2-Tetrachloroethane	ND(0.071) [ND(0.074)]	ND(0.081)	ND(0.075)	ND(0.074) [ND(0.078)]	ND(0.075)	ND(0.078)	ND(0.093)
1,1,2-Trichloroethane	ND(0.035) [ND(0.037)]	ND(0.041)	ND(0.038)	ND(0.037) [ND(0.039)]	ND(0.038)	ND(0.039)	ND(0.046)
1,1-Dichloroethane	ND(0.035) [ND(0.037)]	ND(0.041)	ND(0.038)	ND(0.037) [ND(0.039)]	ND(0.038)	ND(0.039)	ND(0.046)
1,1-Dichloroethene	ND(0.035) [ND(0.037)]	ND(0.041)	ND(0.038)	ND(0.037) [ND(0.039)]	ND(0.038)	ND(0.039)	ND(0.046)
1,2,4-Trichlorobenzene	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.20)
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.20)
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.20)
1,2-Dichlorobenzene	ND(0.071) [ND(0.074)]	ND(0.081)	ND(0.075)	ND(0.074) [ND(0.078)]	ND(0.075)	ND(0.078)	ND(0.093)
1,2-Dichloroethane	ND(0.035) [ND(0.037)]	ND(0.041)	ND(0.038)	ND(0.037) [ND(0.039)]	ND(0.038)	ND(0.039)	ND(0.046)
1,2-Dichloropropane	ND(0.035) [ND(0.037)]	ND(0.041)	ND(0.038)	ND(0.037) [ND(0.039)]	ND(0.038)	ND(0.039)	ND(0.046)
1,3-Dichlorobenzene	ND(0.071) [ND(0.074)]	ND(0.081)	ND(0.075)	ND(0.074) [ND(0.078)]	ND(0.075)	ND(0.078)	ND(0.093)
1,4-Dichlorobenzene	ND(0.071) [ND(0.074)]	ND(0.081)	ND(0.075)	ND(0.074) [ND(0.078)]	ND(0.075)	ND(0.078)	ND(0.093)
2-Butanone (Methyl Ethyl Ketone)	ND(0.25) [ND(0.26)]	ND(0.29)	ND(0.27)	ND(0.27) [ND(0.28)]	ND(0.27)	ND(0.33 J)	ND(0.40 J)
2-Hexanone	ND(0.25) [ND(0.26)]	ND(0.29)	ND(0.27)	ND(0.27) [ND(0.28)]	ND(0.27)	ND(0.078)	ND(0.093)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(0.25) [ND(0.26)]	ND(0.29)	ND(0.27)	ND(0.27) [ND(0.28)]	ND(0.27)	ND(1.7)	ND(2.0)
Acetone	ND(0.25) [ND(0.26)]	ND(0.29)	ND(0.27)	ND(0.27) [ND(0.28)]	ND(0.27)	ND(0.33)	ND(0.40)
Benzene	ND(0.035) [ND(0.037)]	ND(0.041)	ND(0.038)	ND(0.037) [ND(0.039)]	ND(0.038)	ND(0.039)	ND(0.046)
Bromodichloromethane	ND(0.071) [ND(0.074)]	ND(0.081)	ND(0.075)	ND(0.074) [ND(0.078)]	ND(0.075)	ND(0.078)	ND(0.093)
Bromoform	ND(0.071) [ND(0.074)]	ND(0.081)	ND(0.075)	ND(0.074) [ND(0.078)]	ND(0.075)	ND(0.078)	ND(0.093)
Bromomethane (Methyl Bromide)	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.17 J)	ND(0.20)
Carbon disulfide	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.20)
Carbon tetrachloride	ND(0.035) [ND(0.037)]	ND(0.041)	ND(0.038)	ND(0.037) [ND(0.039)]	ND(0.038)	ND(0.039)	ND(0.046)
Chlorobenzene	ND(0.035) [ND(0.037)]	ND(0.041)	ND(0.038)	ND(0.037) [ND(0.039)]	ND(0.038)	ND(0.039)	ND(0.046)
Chloroethane	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.20)
Chloroform (Trichloromethane)	ND(0.035) [ND(0.037)]	ND(0.041)	ND(0.038)	ND(0.037) [ND(0.039)]	ND(0.038)	ND(0.039)	ND(0.046)
Chloromethane (Methyl Chloride)	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.20)
cis-1,2-Dichloroethene	ND(0.035) [ND(0.037)]	ND(0.041)	ND(0.038)	ND(0.037) [ND(0.039)]	ND(0.038)	ND(0.039)	ND(0.046)
cis-1,3-Dichloropropene	ND(0.035) [ND(0.037)]	ND(0.041)	ND(0.038)	ND(0.037) [ND(0.039)]	ND(0.038)	ND(0.039)	ND(0.046)
Cyclohexane	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.17)]	0.72 J	ND(0.17)	ND(0.20)
Dibromochloromethane	ND(0.071) [ND(0.074)]	ND(0.081)	ND(0.075)	ND(0.074) [ND(0.078)]	ND(0.075)	ND(0.078)	ND(0.093)
Dichlorodifluoromethane (CFC-12)	ND(0.071) [ND(0.074)]	ND(0.081)	ND(0.075)	ND(0.074) [ND(0.078)]	ND(0.075)	ND(0.078)	ND(0.093)
Ethylbenzene	ND(0.035) [ND(0.037)]	ND(0.041)	0.038	0.066 J [ND(0.039)]	0.90 J	0.034 J	ND(0.046)
Isopropylbenzene	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.16)	0.089 J [ND(0.17)]	0.82 J	ND(0.17)	ND(0.20)
m&p-Xylene	ND(0.071) [ND(0.074)]	ND(0.081)	0.12	ND(0.074) [ND(0.078)]	2.0 J	0.041 J	ND(0.093)
Methyl acetate	ND(0.15) [ND(0.16)]	ND(0.17)	0.19	ND(0.16) [0.045 J]	ND(0.16)	ND(0.17 J)	0.090 J
Methyl cyclohexane	ND(0.15) [ND(0.16)]	ND(0.17)	0.031 J	1.2 J [0.12 J]	4.1 D	0.060 J	0.068 J
Methyl Tert Butyl Ether	ND(0.25) [ND(0.26)]	ND(0.29)	ND(0.27)	ND(0.27) [ND(0.28)]	ND(0.27)	ND(0.17)	ND(0.20)
Methylene chloride	ND(0.15) [ND(0.16)]	ND(0.17)	0.075 J	0.063 J [0.065 J]	0.032 J	0.12 J	0.13 J
o-Xylene	ND(0.035) [ND(0.037)]	ND(0.041)	0.096	ND(0.037) [ND(0.039)]	0.23 J	0.031 J	ND(0.046)
Styrene	ND(0.035) [ND(0.037)]	ND(0.041)	ND(0.038)	ND(0.037) [ND(0.039)]	ND(0.038)	ND(0.039)	ND(0.046)
Tetrachloroethene	ND(0.035) [ND(0.037)]	ND(0.041)	ND(0.038)	ND(0.037) [ND(0.039)]	ND(0.038)	ND(0.039)	ND(0.046)
Toluene	ND(0.035) [ND(0.037)]	ND(0.041)	0.034 J	ND(0.037) [ND(0.039)]	0.11 J	0.039 J	ND(0.093)
trans-1,2-Dichloroethene	ND(0.035) [ND(0.037)]	ND(0.041)	ND(0.038)	ND(0.037) [ND(0.039)]	ND(0.038)	ND(0.039)	ND(0.046)
trans-1,3-Dichloropropene	ND(0.035) [ND(0.037)]	ND(0.041)	ND(0.038)	ND(0.037) [ND(0.039)]	ND(0.038)	ND(0.039)	ND(0.046)
Trichloroethene	ND(0.035) [ND(0.037)]	ND(0.041)	ND(0.038)	ND(0.037) [ND(0.039)]	ND(0.038)	ND(0.039)	ND(0.046)
Trichlorofluoromethane (CFC-11)	ND(0.071) [ND(0.074)]	ND(0.081)	ND(0.075)	ND(0.074) [ND(0.078)]	ND(0.075)	ND(0.078)	ND(0.093)
Trifluorotrichloroethane (Freon 113)	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.20)
Vinyl chloride	ND(0.035) [ND(0.037)]	ND(0.041)	ND(0.038)	ND(0.037) [ND(0.039)]	ND(0.038)	ND(0.078)	ND(0.093)
Xylenes (total)	ND(0.071) [ND(0.074)]	ND(0.081)	0.22	ND(0.074) [ND(0.078)]	2.2 J	0.072 J	ND(0.093)
SVOC							
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
2,4,5-Trichlorophenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
2,4,6-Trichlorophenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
2,4-Dichlorophenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
2,4-Dimethylphenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
2,4-Dinitrophenol	ND(0.69) [ND(0.69)]	ND(0.77)	ND(7.1)	ND(7.2) [ND(3.8)]	ND(0.73)	ND(3.8)	ND(0.80)
2,4-Dinitrotoluene	ND(0.69) [ND(0.69)]	ND(0.77)	ND(7.1)	ND(7.2) [ND(3.8)]	ND(0.73)	ND(3.8)	ND(0.80)
2,6-Dinitrotoluene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
2-Chloronaphthalene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
2-Chlorophenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
2-Methylnaphthalene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	0.097 J	ND(0.95)	0.075 J
2-Methylphenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
2-Nitroaniline	ND(0.69) [ND(0.69)]	ND(0.77)	ND(7.1)	ND(7.2) [ND(3.8)]	ND(0.73)	ND(3.8)	ND(0.80)
2-Nitrophenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
3&4-Methylphenol	ND(0.35 J) [ND(0.35 J)]	ND(0.39 J)	ND(3.6 J)	ND(3.6 J) [ND(1.9 J)]	ND(0.37 J)	ND(1.9 J)	ND(0.41 J)
3,3'-Dichlorobenzidine	ND(0.69) [ND(0.69)]	ND(0.77)	ND(7.1)	ND(7.2) [ND(3.8)]	ND(0.73)	ND(3.8 J)	ND(0.80)
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ND(0.69) [ND(0.69)]	ND(0.77)	ND(7.1)	ND(7.2) [ND(3.8)]	ND(0.73)	ND(3.8)	ND(0.80)
4,6-Dinitro-2-methylpheno	ND(0.69 J) [ND(0.69 J)]	ND(0.77 J)	ND(7.1)	ND(7.2) [ND(3.8)]	ND(0.73)	ND(3.8)	ND(0.80)
4-Bromophenyl phenyl ether	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
4-Chloro-3-methylpheno	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
4-Chloroaniline	ND(0.69) [ND(0.69)]	ND(0.77)	ND(7.1)	ND(7.2) [ND(3.8)]	ND(0.73)	ND(3.8)	ND(0.80)
4-Chlorophenyl phenyl ether	ND(0.69) [ND(0.69)]	ND(0.77)	ND(7.1)	ND(7.2) [ND(3.8)]	ND(0.73)	ND(3.8)	ND(0.80)
4-Nitroaniline	ND(0.69) [ND(0.69)]	ND(0.77)	ND(7.1)	ND(7.2) [ND(3.8)]	ND(0.73)	ND(3.8)	ND(0.80)
4-Nitrophenol	ND(0.69) [ND(0.69)]	ND(0.77)	ND(7.1)	ND(7.2) [ND(3.8)]	ND(0.73)	ND(3.8)	ND(0.80)
Acenaphthene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
Acenaphthylene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
Acetophenone	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
Anthracene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
Atrazine	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
Benzaldehyde	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8 J)	ND(1.8 J) [ND(0.96 J)]	ND(0.19 J)	ND(0.95 J)	ND(0.20 J)

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-09-46 3 - 5 08/21/02	RFI-09-46 5 - 7 08/21/02	RFI-09-47 0.7 - 2.7 08/26/02	RFI-09-47 2.7 - 4.7 08/26/02	RFI-09-47 4.7 - 6.7 08/26/02	RFI-09-48 0.5 - 2.5 04/02/03	RFI-09-48 8.5 - 10.5 04/02/03
Benzo(a)anthracene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8 J)	ND(1.8) [ND(0.96 J)]	ND(0.19)	ND(0.95)	ND(0.20)
Benzo(a)pyrene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8 J)	ND(1.8) [ND(0.96 J)]	ND(0.19)	ND(0.95 J)	ND(0.20)
Benzo(b)fluoranthene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8 J)	ND(1.8) [ND(0.96 J)]	ND(0.19)	ND(0.95 J)	ND(0.20)
Benzo(g,h,i)perylene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8 J)	ND(1.8) [ND(0.96 J)]	ND(0.19)	ND(0.95)	ND(0.20)
Benzo(k)fluoranthene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8 J)	ND(1.8) [ND(0.96 J)]	ND(0.19)	ND(0.95 J)	ND(0.20)
Biphenyl	ND(0.18 J) [ND(0.18 J)]	ND(0.19 J)	ND(1.8 J)	ND(1.8 J) [ND(0.96 J)]	ND(0.19 J)	ND(0.95)	ND(0.20)
bis(2-Chloroethoxy)methane	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
bis(2-Chloroethyl)ether	ND(0.034) [ND(0.034)]	ND(0.038)	ND(0.35)	ND(0.35) [ND(0.19)]	ND(0.036)	ND(0.18)	ND(0.039)
bis(2-Ethylhexyl)phthalate	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8 J)	ND(1.8) [ND(0.96 J)]	ND(0.19)	ND(0.95)	ND(0.20)
Butyl benzylphthalate	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8 J)	ND(1.8) [ND(0.96 J)]	ND(0.19)	ND(0.95)	ND(0.20)
Caprolactam	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
Carbazole	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95 J)	ND(0.20 J)
Chrysene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8 J)	ND(1.8) [ND(0.96 J)]	ND(0.19)	ND(0.95)	ND(0.20)
Dibenz(a,h)anthracene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8 J)	ND(1.8) [ND(0.96 J)]	ND(0.19)	ND(0.95)	ND(0.20)
Dibenzofuran	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
Diethyl phthalate	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
Dimethyl phthalate	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
Di-n-butylphthalate	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
Di-n-octyl phthalate	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96 J)]	ND(0.19)	ND(0.95 J)	ND(0.20)
Fluoranthene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
Fluorene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
Hexachlorobenzene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
Hexachlorobutadiene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
Hexachlorocyclopentadiene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
Hexachloroethane	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
Indeno(1,2,3-cd)pyrene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8 J)	ND(1.8) [ND(0.96 J)]	ND(0.19)	ND(0.95)	ND(0.20)
Isophorone	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
Methylphenols, Total	ND(0.35) [ND(0.35)]	ND(0.39)	ND(3.6)	ND(3.6) [ND(1.9)]	ND(0.37)	ND(1.9)	ND(0.41)
Naphthalene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	0.12 J	ND(0.95)	ND(0.20)
Nitrobenzene	ND(0.069) [ND(0.069)]	ND(0.077)	ND(0.71)	ND(0.72) [ND(0.38)]	ND(0.073)	ND(0.38)	ND(0.080)
N-Nitrosodi-n-propylamine	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8 J)	ND(1.8 J) [ND(0.96)]	ND(0.19 J)	ND(0.95)	ND(0.20)
N-Nitrosodiphenylamine	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
Pentachlorophenol	ND(0.69) [ND(0.69)]	ND(0.77)	ND(7.1)	ND(7.2) [ND(3.8)]	ND(0.73)	ND(3.8)	ND(0.80)
Phenanthrene	ND(0.18) [ND(0.18)]	ND(0.19)	1.1 J	ND(1.8) [ND(0.96)]	ND(0.19)	0.36 J	0.16 J
Phenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8)	ND(1.8) [ND(0.96)]	ND(0.19)	ND(0.95)	ND(0.20)
Pyrene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(1.8 J)	ND(1.8) [ND(0.96 J)]	ND(0.19)	0.53 J	ND(0.20)
PCB							
Aroclor-1016 (PCB-1016)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.037)	ND(0.038) [ND(0.040)]	ND(0.038)	ND(0.039)	ND(0.042)
Aroclor-1221 (PCB-1221)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.037)	ND(0.038) [ND(0.040)]	ND(0.038)	ND(0.039)	ND(0.042)
Aroclor-1232 (PCB-1232)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.037)	ND(0.038) [ND(0.040)]	ND(0.038)	ND(0.039)	ND(0.042)
Aroclor-1242 (PCB-1242)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.037)	ND(0.038) [ND(0.040)]	ND(0.038)	ND(0.039)	ND(0.042)
Aroclor-1248 (PCB-1248)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.037)	ND(0.038) [ND(0.040)]	ND(0.038)	ND(0.039)	ND(0.042)
Aroclor-1254 (PCB-1254)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.037)	ND(0.038) [ND(0.040)]	ND(0.038)	ND(0.039)	ND(0.042)
Aroclor-1260 (PCB-1260)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.037)	ND(0.038) [ND(0.040)]	ND(0.038)	ND(0.039)	ND(0.042)
Total PCBs	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.037)	ND(0.038) [ND(0.040)]	ND(0.038)	ND(0.039)	ND(0.042)
Inorganic							
Antimony	R [0.034 J]	R	0.012 J	R [R]	R	0.15 J	0.21 J
Arsenic	1.7 J [1.7 J]	6.6 J	2.2 J	7.3 J [6.9 J]	5.1 J	10 J (RDC)	9.0 J (RDC)
Barium	8.1 J [7.3 J]	71 J	10 J	52 J [110 J]	47 J	110	54
Beryllium	0.083 [0.088]	0.64	0.10	0.41 [0.57]	0.46	0.59 J	2.4 J
Cadmium	0.042 J [0.030 J]	0.15 J	0.11 J	0.12 J [0.29 J]	0.084 J	0.48	ND(0.15)
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA
Chromium Total	4.1 J [3.5 J]	23 J	3.9 J	13 J [17 J]	14 J	150	11
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA
Cobalt	1.4 [1.2]	9.1	1.5 J	6.3 J [7.4 J]	6.3 J	8.1 J	7.3 J
Copper	2.6 [2.5]	15 J	3.7 J	12 J [48 J]	10 J	57 J	22 J
Cyanide (total)	ND(0.20 J) [ND(0.20 J)]	ND(0.20 J)	0.84	ND(0.20) [ND(0.20)]	ND(0.20)	0.24	ND(0.20)
Lead	2.5 J [2.3 J]	11 J	8.5 J	20 J [49 J]	17 J	61 J	19 J
Manganese	81 J [56 J]	250	140 J	150 J [240 J]	260 J	1,800 (IPSIIC)	340
Mercury	ND(0.061) [0.0058 J]	0.010 J	0.067 J	0.067 J [0.058 J]	0.011 J	0.10	0.043 J
Nickel	4.3 [3.7]	24	8.1 J	16 J [19 J]	16 J	87 J	32 J
Selenium	ND(0.054) [0.046 J]	ND(0.068)	0.18 J	ND(0.065 J) [ND(0.060 J)]	ND(0.064 J)	0.35 J	0.82 J
Silver	0.0048 J [0.11 J]	0.076 J	0.066 J	0.076 J [0.15 J]	0.23 J	0.15 J	0.12 J
Thallium	0.023 J [0.015 J]	0.23 J	0.054 J	0.15 J [0.26]	0.14 J	0.093 J	0.79
Vanadium	7.0 J [6.2 J]	37 J	7.5 J	22 J [26 J]	24 J	15 J	27 J
Zinc	11 J [12 J]	50 J	27 J	47 J [92 J]	32 J	54 J	38 J

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-09-49 0 - 2 02/25/03	RFI-09-49 4 - 6 02/25/03	RFI-09-50 0.5 - 2.5 02/26/03	RFI-09-50 2.5 - 4.5 02/26/03	RFI-09-51 1 - 3 04/09/03	RFI-09-52 0.5 - 2.5 07/28/03	RFI-09-52 2.5 - 4.5 07/28/03	RFI-09-52 4.5 - 6.5 07/28/03	RFI-09-53 0 - 2 03/04/05
Miscellaneous									
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	92	93	89	83	82	94	94	76	89
VOC									
1,1,1-Trichloroethane	ND(0.037 J)	ND(0.038 J)	NA	ND(0.041 J)	NA	ND(0.037)	ND(0.037)	ND(0.045)	ND(0.060)
1,1,2,2-Tetrachloroethane	ND(0.074)	ND(0.075)	NA	ND(0.082)	NA	ND(0.074)	ND(0.073)	ND(0.089)	ND(0.060)
1,1,2-Trichloroethane	ND(0.037)	ND(0.038)	NA	ND(0.041)	NA	ND(0.037)	ND(0.037)	ND(0.045)	ND(0.060)
1,1-Dichloroethane	ND(0.037)	ND(0.038)	NA	ND(0.041)	NA	ND(0.037)	ND(0.037)	ND(0.045)	ND(0.060)
1,1-Dichloroethene	ND(0.037)	ND(0.038)	NA	ND(0.041)	NA	ND(0.037)	ND(0.037)	ND(0.045)	ND(0.060)
1,2,4-Trichlorobenzene	ND(0.16)	ND(0.16)	NA	ND(0.18)	NA	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.10 J)
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16)	ND(0.16)	NA	ND(0.18)	NA	ND(0.16)	ND(0.16)	ND(0.19)	R
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.16)	ND(0.16)	NA	ND(0.18)	NA	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.060)
1,2-Dichlorobenzene	ND(0.074)	ND(0.075)	NA	ND(0.082)	NA	ND(0.074)	ND(0.073)	ND(0.089)	ND(0.060)
1,2-Dichloroethane	ND(0.037 J)	ND(0.038 J)	NA	ND(0.041 J)	NA	ND(0.037)	ND(0.037)	ND(0.045)	ND(0.060)
1,2-Dichloropropane	ND(0.037)	ND(0.038)	NA	ND(0.041)	NA	ND(0.037)	ND(0.037)	ND(0.045)	ND(0.060)
1,3-Dichlorobenzene	ND(0.074)	ND(0.075)	NA	ND(0.082)	NA	ND(0.074)	ND(0.073)	ND(0.089)	ND(0.060)
1,4-Dichlorobenzene	ND(0.074)	ND(0.075)	NA	ND(0.082)	NA	ND(0.074)	ND(0.073)	ND(0.089)	ND(0.060)
2-Butanone (Methyl Ethyl Ketone)	ND(0.32)	ND(0.32)	NA	ND(0.35)	NA	ND(0.32)	ND(0.31)	ND(0.38)	ND(0.80)
2-Hexanone	ND(0.074)	ND(0.075)	NA	ND(0.082)	NA	ND(0.074)	ND(0.073)	ND(0.089)	ND(3.0 J)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(1.6)	ND(1.6)	NA	ND(1.8)	NA	ND(1.6)	ND(1.6)	ND(1.9)	ND(3.0)
Acetone	ND(0.32)	ND(0.32)	NA	ND(0.35)	NA	ND(0.32)	ND(0.31)	ND(0.38)	ND(0.80 J)
Benzene	ND(0.037)	ND(0.038)	NA	ND(0.041)	NA	ND(0.037)	0.034 J	0.033 J	ND(0.060)
Bromodichloromethane	ND(0.074)	ND(0.075)	NA	ND(0.082)	NA	ND(0.074)	ND(0.073)	ND(0.089)	ND(0.060)
Bromoform	ND(0.074)	ND(0.075)	NA	ND(0.082)	NA	ND(0.074)	ND(0.073)	ND(0.089)	ND(0.060 J)
Bromomethane (Methyl Bromide)	ND(0.16 J)	ND(0.16 J)	NA	ND(0.18 J)	NA	ND(0.16 J)	ND(0.16 J)	ND(0.19 J)	R
Carbon disulfide	ND(0.16)	ND(0.16)	NA	ND(0.18)	NA	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.30)
Carbon tetrachloride	ND(0.037)	ND(0.038)	NA	ND(0.041)	NA	ND(0.037)	ND(0.037)	ND(0.045)	ND(0.060)
Chlorobenzene	ND(0.037)	ND(0.038)	NA	ND(0.041)	NA	ND(0.037)	ND(0.037)	ND(0.045)	ND(0.060)
Chloroethane	ND(0.16)	ND(0.16)	NA	ND(0.18)	NA	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.30)
Chloroform (Trichloromethane)	ND(0.037)	ND(0.038)	NA	ND(0.041)	NA	ND(0.037)	ND(0.037)	ND(0.045)	ND(0.060)
Chloromethane (Methyl Chloride)	ND(0.16)	ND(0.16)	NA	ND(0.18)	NA	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.30)
cis-1,2-Dichloroethene	ND(0.037)	ND(0.038)	NA	ND(0.041)	NA	ND(0.037)	ND(0.037)	0.026 J	ND(0.060)
cis-1,3-Dichloropropene	ND(0.037)	ND(0.038)	NA	ND(0.041)	NA	ND(0.037)	ND(0.037)	ND(0.045)	ND(0.060)
Cyclohexane	ND(0.16)	ND(0.16)	NA	ND(0.18)	NA	ND(0.16)	0.037 J	ND(0.19)	ND(0.060 J)
Dibromochloromethane	ND(0.074)	ND(0.075)	NA	ND(0.082)	NA	ND(0.074)	ND(0.073)	ND(0.089)	ND(0.060 J)
Dichlorodifluoromethane (CFC-12)	ND(0.074)	ND(0.075)	NA	ND(0.082)	NA	ND(0.074)	ND(0.073)	ND(0.089)	ND(0.060 J)
Ethylbenzene	ND(0.037)	ND(0.038)	NA	ND(0.041)	NA	ND(0.037)	ND(0.037)	ND(0.045)	ND(0.060)
Isopropylbenzene	ND(0.16)	ND(0.16)	NA	ND(0.18)	NA	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.060)
m&p-Xylene	0.092	ND(0.075)	NA	ND(0.082)	NA	0.033 J	0.087	0.078 J	0.040 J
Methyl acetate	ND(0.16)	ND(0.16)	NA	0.22	NA	0.069 J	0.062 J	0.058 J	ND(3.0)
Methyl cyclohexane	0.16	ND(0.16)	NA	ND(0.18)	NA	0.045 J	0.096 J	0.093 J	0.050 J
Methyl Tert Butyl Ether	ND(0.16)	ND(0.16)	NA	ND(0.18)	NA	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.30)
Methylene chloride	ND(0.16)	ND(0.16)	NA	ND(0.18)	NA	0.044 J	0.042 J	0.045 J	ND(0.30)
o-Xylene	0.061	ND(0.038)	NA	ND(0.041)	NA	ND(0.037)	0.046	0.040 J	0.020 J
Styrene	ND(0.037)	ND(0.038)	NA	ND(0.041)	NA	ND(0.037)	ND(0.037)	ND(0.045)	ND(0.060)
Tetrachloroethene	ND(0.037)	ND(0.038)	NA	ND(0.041)	NA	ND(0.037)	ND(0.037)	ND(0.045)	ND(0.060)
Toluene	0.090	ND(0.075)	NA	ND(0.082)	NA	0.027 J	0.082	0.078 J	ND(0.090)
trans-1,2-Dichloroethene	ND(0.037)	ND(0.038)	NA	ND(0.041)	NA	ND(0.037)	ND(0.037)	ND(0.045)	ND(0.060)
trans-1,3-Dichloropropene	ND(0.037)	ND(0.038)	NA	ND(0.041)	NA	ND(0.037)	ND(0.037)	ND(0.045)	ND(0.060 J)
Trichloroethene	ND(0.037)	ND(0.038)	NA	ND(0.041)	NA	ND(0.037)	0.061	0.23	2.2
Trichlorofluoromethane (CFC-11)	ND(0.074)	ND(0.075)	NA	ND(0.082)	NA	ND(0.074)	ND(0.073)	ND(0.089)	ND(0.10)
Trifluorotrichloroethane (Freon 113)	ND(0.16)	ND(0.16)	NA	ND(0.18)	NA	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.10)
Vinyl chloride	ND(0.074)	ND(0.075)	NA	ND(0.082)	NA	ND(0.074)	ND(0.073)	ND(0.089)	ND(0.10)
Xylenes (total)	0.15	ND(0.075)	NA	ND(0.082)	NA	0.033 J	0.13	0.12 J	0.060 J
SVOC									
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
2,4,5-Trichlorophenol	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
2,4,6-Trichlorophenol	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
2,4-Dichlorophenol	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
2,4-Dimethylphenol	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
2,4-Dinitrophenol	ND(0.73)	ND(0.72)	NA	NA	NA	ND(0.72)	ND(0.72)	ND(0.87)	ND(0.70 J)
2,4-Dinitrotoluene	ND(0.73)	ND(0.72)	NA	NA	NA	ND(0.72)	ND(0.72)	ND(0.87)	ND(0.30 J)
2,6-Dinitrotoluene	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
2-Chloronaphthalene	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
2-Chlorophenol	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
2-Methylnaphthalene	0.076 J	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	0.071 J	0.050 J
2-Methylphenol	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
2-Nitroaniline	ND(0.73)	ND(0.72)	NA	NA	NA	ND(0.72)	ND(0.72)	ND(0.87)	ND(0.70 J)
2-Nitrophenol	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18 J)	ND(0.22)	ND(0.30 J)
3&4-Methylphenol	ND(0.37 J)	ND(0.37 J)	NA	NA	NA	ND(0.36 J)	ND(0.36)	ND(0.44 J)	NA
3,3'-Dichlorobenzidine	ND(0.73)	ND(0.72)	NA	NA	NA	ND(0.72 J)	ND(0.72)	ND(0.87)	ND(0.70 J)
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	ND(0.30 J)
3-Nitroaniline	ND(0.73)	ND(0.72)	NA	NA	NA	ND(0.72)	ND(0.72)	ND(0.87)	ND(0.70 J)
4,6-Dinitro-2-methylpheno	ND(0.73)	ND(0.72)	NA	NA	NA	ND(0.72)	ND(0.72)	ND(0.87)	ND(0.70 J)
4-Bromophenyl phenyl ether	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
4-Chloro-3-methylpheno	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
4-Chloroaniline	ND(0.73)	ND(0.72)	NA	NA	NA	ND(0.72)	ND(0.72)	ND(0.87)	ND(0.70 J)
4-Chlorophenyl phenyl ether	ND(0.73)	ND(0.72)	NA	NA	NA	ND(0.72)	ND(0.72)	ND(0.87)	ND(0.30 J)
4-Nitroaniline	ND(0.73)	ND(0.72)	NA	NA	NA	ND(0.72)	ND(0.72)	ND(0.87)	ND(0.70)
4-Nitrophenol	ND(0.73)	ND(0.72)	NA	NA	NA	ND(0.72)	ND(0.72)	ND(0.87)	ND(0.70 J)
Acenaphthene	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	0.020 J
Acenaphthylene	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	0.010 J
Acetophenone	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
Anthracene	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	0.14 J	0.11 J	0.10 J
Atrazine	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18 J)	ND(0.18 J)	ND(0.22 J)	ND(0.30)
Benzaldehyde	ND(0.19 J)	ND(0.18 J)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-09-49 0 - 2 02/25/03	RFI-09-49 4 - 6 02/25/03	RFI-09-50 0.5 - 2.5 02/26/03	RFI-09-50 2.5 - 4.5 02/26/03	RFI-09-51 1 - 3 04/09/03	RFI-09-52 0.5 - 2.5 07/28/03	RFI-09-52 2.5 - 4.5 07/28/03	RFI-09-52 4.5 - 6.5 07/28/03	RFI-09-53 0 - 2 03/04/05
Benzo(a)anthracene	ND(0.19)	ND(0.18)	NA	NA	NA	0.084 J	0.25	0.17 J	0.50 J
Benzo(a)pyrene	0.068 J	ND(0.18)	NA	NA	NA	0.13 J	0.21	0.17 J	0.50 J
Benzo(b)fluoranthene	0.17 J	ND(0.18)	NA	NA	NA	0.14 J	0.18	0.13 J	0.40
Benzo(g,h,i)perylene	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18 J)	ND(0.18)	ND(0.22)	0.20 J
Benzo(k)fluoranthene	ND(0.19)	ND(0.18)	NA	NA	NA	0.11 J	0.22	0.18 J	0.30
Biphenyl	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
bis(2-Chloroethoxy)methane	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
bis(2-Chloroethyl)ether	ND(0.036)	ND(0.036)	NA	NA	NA	ND(0.035)	ND(0.035)	ND(0.043)	ND(0.30 J)
bis(2-Ethylhexyl)phthalate	ND(0.19 J)	ND(0.18)	NA	NA	NA	0.094 J	ND(0.18)	ND(0.22)	0.080 J
Butyl benzylphthalate	ND(0.19 J)	ND(0.18)	NA	NA	NA	0.097 J	ND(0.18)	ND(0.22)	0.70 J
Caprolactam	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30)
Carbazole	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	0.066 J	ND(0.22)	0.040 J
Chrysene	ND(0.19)	ND(0.18)	NA	NA	NA	0.13 J	0.25	0.18 J	0.50 J
Dibenz(a,h)anthracene	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18 J)	ND(0.18)	ND(0.22)	0.090 J
Dibenzofuran	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	0.030 J
Diethyl phthalate	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
Dimethyl phthalate	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
Di-n-butylphthalate	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
Di-n-octyl phthalate	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18 J)	ND(0.18)	ND(0.22)	ND(0.30 J)
Fluoranthene	0.090 J	ND(0.18)	NA	NA	NA	0.14 J	0.59	0.39	0.80 J
Fluorene	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	0.030 J
Hexachlorobenzene	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
Hexachlorobutadiene	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
Hexachlorocyclopentadiene	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
Hexachloroethane	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
Indeno(1,2,3-cd)pyrene	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18 J)	ND(0.18)	ND(0.22)	0.20 J
Isophorone	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
Methylphenols, Total	ND(0.37)	ND(0.37)	NA	NA	NA	ND(0.36)	ND(0.36)	ND(0.44)	ND(0.30)
Naphthalene	0.068 J	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	0.040 J
Nitrobenzene	ND(0.073)	ND(0.072)	NA	NA	NA	ND(0.072)	ND(0.072)	ND(0.087)	ND(0.20 J)
N-Nitrosodi-n-propylamine	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
N-Nitrosodiphenylamine	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
Pentachlorophenol	ND(0.73)	ND(0.72)	NA	NA	NA	ND(0.72)	ND(0.72)	ND(0.87)	R
Phenanthrene	0.071 J	ND(0.18)	NA	NA	NA	0.14 J	0.48	0.39	0.40 J
Phenol	ND(0.19)	ND(0.18)	NA	NA	NA	ND(0.18)	ND(0.18)	ND(0.22)	ND(0.30 J)
Pyrene	0.10 J	ND(0.18)	NA	NA	NA	0.34 J	0.48	0.32	0.90 J
PCB									
Aroclor-1016 (PCB-1016)	ND(0.038)	ND(0.038)	NA	NA	NA	ND(0.037)	ND(0.037)	ND(0.046)	ND(0.33)
Aroclor-1221 (PCB-1221)	ND(0.038)	ND(0.038)	NA	NA	NA	ND(0.037)	ND(0.037)	ND(0.046)	ND(0.33)
Aroclor-1232 (PCB-1232)	ND(0.038)	ND(0.038)	NA	NA	NA	ND(0.037)	ND(0.037)	ND(0.046)	ND(0.33)
Aroclor-1242 (PCB-1242)	ND(0.038)	ND(0.038)	NA	NA	NA	ND(0.037)	ND(0.037)	ND(0.046)	ND(0.33)
Aroclor-1248 (PCB-1248)	ND(0.038)	ND(0.038)	NA	NA	NA	ND(0.037)	ND(0.037)	ND(0.046)	ND(0.33)
Aroclor-1254 (PCB-1254)	ND(0.038)	ND(0.038)	NA	NA	NA	0.045	0.094	0.26	ND(0.33)
Aroclor-1260 (PCB-1260)	ND(0.038)	ND(0.038)	NA	NA	NA	0.014 J	ND(0.037)	ND(0.046)	0.20 J
Total PCBs	ND(0.038)	ND(0.038)	NA	NA	NA	0.059 J	0.094	0.26	0.20 J
Inorganic									
Antimony	0.087 J	0.016 J	NA	NA	NA	0.10 J	0.19 J	0.25 J	NA
Arsenic	3.4	3.0	NA	NA	NA	3.6	3.6	6.7	6.7
Barium	120	11	NA	NA	NA	36	10	12	130
Beryllium	1.2 J	0.12 J	NA	NA	NA	0.26 J	0.095 J	0.13 J	NA
Cadmium	0.63	0.097	NA	NA	NA	0.20	ND(0.12)	ND(0.16)	1.7
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	99	12	NA	NA	NA	18	110 M	180	69
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	2.9	3.2	NA	NA	NA	3.7 J	4.5 J	5.4 J	NA
Copper	44	5.3	NA	NA	NA	14 J	38 J	57 J	NA
Cyanide (total)	2.6	ND(0.20)	NA	NA	NA	ND(4.0 DM)	0.26	ND(0.20)	NA
Lead	110	3.5	41	24	130	42	9.8	12	270
Manganese	2,500 (IPSC)	180	NA	NA	NA	350	870 M	1,200	NA
Mercury	0.018 J	ND(0.074)	NA	NA	NA	0.12	ND(0.074)	ND(0.086)	0.49
Nickel	28	9.1	NA	NA	NA	15 J	41 J	46 J	NA
Selenium	0.99	ND(0.061)	NA	NA	NA	0.17 J	0.052 J	0.086 J	0.31
Silver	0.30	0.022 J	NA	NA	NA	0.066 J	0.067 J	0.13 J	0.35
Thallium	0.042 J	0.056 J	NA	NA	NA	0.093 J	0.016 J	0.027 J	NA
Vanadium	2.9	11	NA	NA	NA	13	7.9	11	NA
Zinc	120	14	NA	NA	NA	41 J	9.0 J	9.2 J	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-09-53 8 - 10 03/04/05	RFI-09-56 0 - 2 06/30/05	RFI-09-56 2 - 4 06/30/05	RFI-09-57 0 - 2 07/01/05	RFI-09-57 4 - 6 07/01/05	RFI-09-58 0 - 2 07/13/05	RFI-09-58 8 - 10 07/13/05	RFI-10-28 0 - 2 10/14/02
Miscellaneous								
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	89	96	93	88	90 [87]	92	92	90
VOC								
1,1,1-Trichloroethane	0.030 J	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	0.44	ND(0.060)	ND(0.038)
1,1,2,2-Tetrachloroethane	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.076)
1,1,2-Trichloroethane	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.038)
1,1-Dichloroethane	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.038)
1,1-Dichloroethene	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.038)
1,2,4-Trichlorobenzene	ND(0.10 J)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.16)
1,2-Dibromo-3-chloropropane (DBCP)	R	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.16)
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.060)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.030) [ND(0.030)]	ND(0.020)	ND(0.020)	ND(0.16)
1,2-Dichlorobenzene	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.076)
1,2-Dichloroethane	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.038)
1,2-Dichloropropane	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.038)
1,3-Dichlorobenzene	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.076)
1,4-Dichlorobenzene	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.076)
2-Butanone (Methyl Ethyl Ketone)	ND(0.90)	ND(0.80)	ND(0.80)	ND(0.80)	ND(1.0) [ND(1.0)]	ND(0.80)	ND(0.80)	ND(0.27)
2-Hexanone	ND(3.0 J)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0) [ND(3.0)]	ND(3.0)	ND(3.0)	ND(0.27)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0) [ND(3.0)]	ND(3.0)	ND(3.0)	ND(0.27)
Acetone	ND(0.90 J)	ND(0.80)	ND(0.80)	ND(0.80)	ND(1.0) [ND(1.0)]	ND(0.80)	ND(0.80)	ND(0.27)
Benzene	ND(0.060)	ND(0.050)	0.040 J	ND(0.050)	ND(0.070) [ND(0.060)]	0.12	ND(0.060)	ND(0.038)
Bromodichloromethane	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.076)
Bromoform	ND(0.060 J)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.076)
Bromomethane (Methyl Bromide)	R	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.16)
Carbon disulfide	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.16)
Carbon tetrachloride	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.038)
Chlorobenzene	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.038)
Chloroethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.16)
Chloroform (Trichloromethane)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.038)
Chloromethane (Methyl Chloride)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.16)
cis-1,2-Dichloroethene	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.038)
cis-1,3-Dichloropropene	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.038)
Cyclohexane	ND(0.060 J)	ND(0.050)	0.070	0.060	ND(0.070) [ND(0.060)]	0.21 J	ND(0.060 J)	ND(0.16)
Dibromochloromethane	ND(0.060 J)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.076)
Dichlorodifluoromethane (CFC-12)	ND(0.060 J)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050 J)	ND(0.060 J)	ND(0.076)
Ethylbenzene	ND(0.060)	ND(0.050)	0.020 J	ND(0.050)	ND(0.070) [ND(0.060)]	0.31	0.010 J	ND(0.038)
Isopropylbenzene	ND(0.060)	ND(0.050)	0.010 J	ND(0.050)	ND(0.070) [ND(0.060)]	0.19	ND(0.060)	ND(0.16)
m&p-Xylene	ND(0.060)	ND(0.050)	0.10	ND(0.050)	ND(0.070) [ND(0.060)]	1.2	0.050 J	ND(0.076)
Methyl acetate	ND(3.0)	ND(3.0)	0.30 J	ND(3.0)	ND(3.0) [ND(3.0)]	0.40 J	ND(3.0)	ND(0.16)
Methyl cyclohexane	ND(0.060)	ND(0.050)	0.13	0.030 J	ND(0.070) [ND(0.060)]	1.6	0.040 J	ND(0.16)
Methyl Tert Butyl Ether	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.27)
Methylene chloride	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.16 J)
o-Xylene	ND(0.060)	ND(0.050)	0.060	ND(0.050)	ND(0.070) [ND(0.060)]	0.90	0.030 J	ND(0.038)
Styrene	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.038)
Tetrachloroethene	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.038)
Toluene	ND(0.060)	ND(0.050)	0.10	0.030 J	ND(0.070) [ND(0.060)]	0.75	0.030 J	ND(0.038)
trans-1,2-Dichloroethene	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.038)
trans-1,3-Dichloropropene	ND(0.060 J)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.038)
Trichloroethene	0.020 J	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.070) [ND(0.060)]	ND(0.050)	ND(0.060)	ND(0.038)
Trichlorofluoromethane (CFC-11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.076)
Trifluorotrichloroethane (Freon 113)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.16)
Vinyl chloride	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.038)
Xylenes (total)	ND(0.060)	ND(0.050)	0.16	ND(0.050)	ND(0.070) [ND(0.060)]	2.1	0.080 J	ND(0.076)
SVOC								
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
2,4,5-Trichlorophenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
2,4,6-Trichlorophenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
2,4-Dichlorophenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
2,4-Dimethylphenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
2,4-Dinitrophenol	ND(0.70 J)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67) [ND(0.67)]	ND(0.67)	ND(0.67)	NA
2,4-Dinitrotoluene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
2,6-Dinitrotoluene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
2-Chloronaphthalene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
2-Chlorophenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
2-Methylnaphthalene	ND(0.30)	ND(0.33)	0.10 J	ND(0.33)	ND(0.33) [ND(0.33)]	0.30 J	ND(0.33)	NA
2-Methylphenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
2-Nitroaniline	ND(0.70)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67) [ND(0.67)]	ND(0.67)	ND(0.67)	NA
2-Nitrophenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
3&4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	ND(0.70)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67) [ND(0.67)]	ND(0.67)	ND(0.67)	NA
3-Methylphenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
3-Nitroaniline	ND(0.70)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67) [ND(0.67)]	ND(0.67)	ND(0.67)	NA
4,6-Dinitro-2-methylpheno	ND(0.70 J)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67) [ND(0.67)]	ND(0.67)	ND(0.67)	NA
4-Bromophenyl phenyl ether	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
4-Chloro-3-methylpheno	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
4-Chloroaniline	ND(0.70)	ND(0.67 J)	ND(0.67 J)	ND(0.67 J)	ND(0.67 J) [ND(0.67 J)]	ND(0.67)	ND(0.67)	NA
4-Chlorophenyl phenyl ether	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
4-Nitroaniline	ND(0.70)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67) [ND(0.67)]	ND(0.67)	ND(0.67)	NA
4-Nitrophenol	ND(0.70)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67) [ND(0.67)]	ND(0.67)	ND(0.67)	NA
Acenaphthene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
Acenaphthylene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	0.10 J	ND(0.33)	NA
Acetophenone	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
Anthracene	ND(0.30)	ND(0.33)	0.050 J	ND(0.33)	0.030 J [ND(0.33)]	0.050 J	ND(0.33)	NA
Atrazine	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
Benzaldehyde	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-09-53 8 - 10 03/04/05	RFI-09-56 0 - 2 06/30/05	RFI-09-56 2 - 4 06/30/05	RFI-09-57 0 - 2 07/01/05	RFI-09-57 4 - 6 07/01/05	RFI-09-58 0 - 2 07/13/05	RFI-09-58 8 - 10 07/13/05	RFI-10-28 0 - 2 10/14/02
Benzo(a)anthracene	ND(0.30)	ND(0.33)	0.20 J	ND(0.33)	ND(0.33) [ND(0.33)]	0.20 J	ND(0.33)	NA
Benzo(a)pyrene	ND(0.30)	ND(0.33)	ND(0.33)	0.060 J	ND(0.33) [ND(0.33)]	0.30 J	ND(0.33)	NA
Benzo(b)fluoranthene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	0.34	ND(0.33)	NA
Benzo(g,h,i)perylene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	0.56	ND(0.33)	NA
Benzo(k)fluoranthene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	0.30 J	ND(0.33)	NA
Biphenyl	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
bis(2-Chloroethoxy)methane	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
bis(2-Chloroethyl)ether	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
bis(2-Ethylhexyl)phthalate	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [0.060 J]	0.10 J	ND(0.33)	NA
Butyl benzylphthalate	ND(0.30)	0.040 J	0.060 J	0.10 J	ND(0.33) [ND(0.33)]	0.49	ND(0.33)	NA
Caprolactam	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
Carbazole	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	0.040 J	ND(0.33)	NA
Chrysene	ND(0.30)	ND(0.33)	0.20 J	ND(0.33)	ND(0.33) [ND(0.33)]	0.35	ND(0.33)	NA
Dibenz(a,h)anthracene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	0.20 J	ND(0.33)	NA
Dibenzofuran	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	0.090 J	ND(0.33)	NA
Diethyl phthalate	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
Dimethyl phthalate	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
Di-n-butylphthalate	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
Di-n-octyl phthalate	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
Fluoranthene	ND(0.30)	ND(0.33)	0.30 J	0.10 J	ND(0.33) [ND(0.33)]	0.37	ND(0.33)	NA
Fluorene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
Hexachlorobenzene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
Hexachlorobutadiene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
Hexachlorocyclopentadiene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
Hexachloroethane	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
Indeno(1,2,3-cd)pyrene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	0.48	ND(0.33)	NA
Isophorone	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
Methylphenols, Total	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
Naphthalene	ND(0.30)	ND(0.33)	0.10 J	ND(0.33)	ND(0.33) [ND(0.33)]	0.20 J	ND(0.33)	NA
Nitrobenzene	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	NA
N-Nitrosodi-n-propylamine	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
N-Nitrosodiphenylamine	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
Pentachlorophenol	ND(0.70)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67) [ND(0.67)]	ND(0.67)	ND(0.67)	NA
Phenanthrene	ND(0.30)	ND(0.33)	0.30 J	0.090 J	ND(0.33) [ND(0.33)]	0.20 J	ND(0.33)	NA
Phenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
Pyrene	ND(0.30)	ND(0.33)	0.30 J	ND(0.33)	ND(0.33) [ND(0.33)]	0.37	ND(0.33)	NA
PCB								
Aroclor-1016 (PCB-1016)	ND(0.33)	ND(0.33 J)	ND(0.33 J)	ND(0.33 J)	ND(0.33 J) [ND(0.33 J)]	ND(0.33)	ND(0.33)	NA
Aroclor-1221 (PCB-1221)	ND(0.33)	ND(0.33 J)	ND(0.33 J)	ND(0.33 J)	ND(0.33 J) [ND(0.33 J)]	ND(0.33)	ND(0.33)	NA
Aroclor-1232 (PCB-1232)	ND(0.33)	ND(0.33 J)	ND(0.33 J)	ND(0.33 J)	ND(0.33 J) [ND(0.33 J)]	ND(0.33)	ND(0.33)	NA
Aroclor-1242 (PCB-1242)	ND(0.33)	ND(0.33 J)	ND(0.33 J)	ND(0.33 J)	ND(0.33 J) [ND(0.33 J)]	ND(0.33)	ND(0.33)	NA
Aroclor-1248 (PCB-1248)	ND(0.33)	ND(0.33 J)	ND(0.33 J)	ND(0.33 J)	ND(0.33 J) [ND(0.33 J)]	ND(0.33)	ND(0.33)	NA
Aroclor-1254 (PCB-1254)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33 J)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
Aroclor-1260 (PCB-1260)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33 J)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
Total PCBs	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	NA
Inorganic								
Antimony	NA	ND(0.30)	8.5	ND(0.58)	ND(0.30) [ND(0.30)]	ND(0.76)	ND(0.30)	NA
Arsenic	2.5	0.94	3.1	2.5	ND(0.58) [ND(0.46)]	10 (RDC)	1.6	NA
Barium	18	7.2	130	41	15 [13]	40	28	NA
Beryllium	NA	0.040 J	0.21 J	0.18 J	0.10 J [0.10 J]	0.45 J	0.13 J	NA
Cadmium	0.080	0.050 J	0.90	0.46	0.050 J [0.060 J]	0.84	0.070 J	NA
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	3.8	13	19	6.7	1.4 J [1.4 J]	5.2	3.7	NA
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	0.74	5.8	1.7	0.91 [0.85]	2.8	2.6	NA
Copper	NA	27	2,400	87	2.6 [2.6]	55	5.2	NA
Cyanide (total)	NA	ND(0.10)	ND(0.10)	0.90	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	NA
Lead	4.4	8.2	2,700 (IDC,RDC)	50	2.8 [2.9]	110	5.5	NA
Manganese	NA	120	440	190	84 [84]	210	200	NA
Mercury	ND(0.050)	ND(0.050)	0.40	0.040 J	0.030 J [0.020 J]	0.070	0.010 J	NA
Nickel	NA	5.6	24	5.0	1.7 [1.5]	8.1	5.9	NA
Selenium	0.94	ND(0.20)	ND(0.40)	ND(0.40)	ND(0.20) [ND(0.20)]	ND(0.35)	ND(0.37)	NA
Silver	ND(0.20)	ND(0.10)	0.40	ND(0.10)	ND(0.10) [ND(0.10)]	0.090 J	ND(0.10)	NA
Thallium	NA	ND(0.50)	3.1	ND(0.50)	ND(0.50) [ND(0.50)]	0.29 J	ND(0.50)	NA
Vanadium	NA	1.1	2.9	5.0	2.2 [2.1]	6.7	5.2	NA
Zinc	NA	5.8	510	93	3.4 [2.5]	200	15	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-10-28 8 - 10 10/14/02	RFI-10-29 0 - 2 10/14/02	RFI-10-29 6 - 8 10/14/02	RFI-10-30 0 - 2 03/27/03	RFI-10-30 2 - 4 03/27/03	RFI-10-31 1 - 3 03/27/03	RFI-10-32 0 - 2 03/08/05	RFI-10-32 8 - 10 03/08/05
Miscellaneous								
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	93 [93]	97	93	86 [87]	92	92	90	92
VOC								
1,1,1-Trichloroethane	ND(0.036) [ND(0.037)]	ND(0.035)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.038)	ND(0.038)	ND(0.050)	ND(0.060)
1,1,2,2-Tetrachloroethane	ND(0.072) [ND(0.075)]	ND(0.071)	ND(0.076)	ND(0.079) [ND(0.080)]	ND(0.076)	ND(0.076)	ND(0.050)	ND(0.060)
1,1,2-Trichloroethane	ND(0.036) [ND(0.037)]	ND(0.035)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.038)	ND(0.038)	ND(0.050)	ND(0.060)
1,1-Dichloroethane	ND(0.036) [ND(0.037)]	ND(0.035)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.038)	ND(0.038)	ND(0.050)	ND(0.060)
1,1-Dichloroethene	ND(0.036) [ND(0.037)]	ND(0.035)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.038)	ND(0.038)	ND(0.050)	ND(0.060)
1,2,4-Trichlorobenzene	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.10)	ND(0.10)
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.050 J)	ND(0.060 J)
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.050)	ND(0.060)
1,2-Dichlorobenzene	ND(0.072) [ND(0.075)]	ND(0.071)	ND(0.076)	ND(0.079) [ND(0.080)]	ND(0.076)	ND(0.076)	ND(0.050)	ND(0.060)
1,2-Dichloroethane	ND(0.036) [ND(0.037)]	ND(0.035)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.038)	ND(0.038)	ND(0.050)	ND(0.060)
1,2-Dichloropropane	ND(0.036) [ND(0.037)]	ND(0.035)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.038)	ND(0.038)	ND(0.050)	ND(0.060)
1,3-Dichlorobenzene	ND(0.072) [ND(0.075)]	ND(0.071)	ND(0.076)	ND(0.079) [ND(0.080)]	ND(0.076)	ND(0.076)	ND(0.050)	ND(0.060)
1,4-Dichlorobenzene	ND(0.072) [ND(0.075)]	ND(0.071)	ND(0.076)	ND(0.079) [ND(0.080)]	ND(0.076)	ND(0.076)	ND(0.050)	ND(0.060)
2-Butanone (Methyl Ethyl Ketone)	ND(0.26) [ND(0.32)]	ND(0.30)	ND(0.27)	ND(0.34) [ND(0.34)]	ND(0.33)	ND(0.33)	ND(0.80)	ND(0.80)
2-Hexanone	ND(0.26) [ND(0.075)]	ND(0.071)	ND(0.27)	ND(0.079) [ND(0.080)]	ND(0.076)	ND(0.076)	ND(3.0 J)	ND(3.0 J)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(0.26) [ND(1.6)]	ND(1.5)	ND(0.27)	ND(1.7) [ND(1.7)]	ND(1.6)	ND(1.6)	ND(3.0)	ND(3.0)
Acetone	ND(0.26) [ND(0.32)]	ND(0.30)	ND(0.27)	0.15 J [0.18 J]	0.099 J	ND(0.33)	ND(0.80 J)	ND(0.80 J)
Benzene	ND(0.036) [ND(0.037)]	ND(0.035)	ND(0.038)	0.091 [0.075]	0.060	ND(0.038)	ND(0.050)	ND(0.060)
Bromodichloromethane	ND(0.072) [ND(0.075)]	ND(0.071)	ND(0.076)	ND(0.079) [ND(0.080)]	ND(0.076)	ND(0.076)	ND(0.050)	ND(0.060)
Bromoform	ND(0.072) [ND(0.075)]	ND(0.071)	ND(0.076)	ND(0.079) [ND(0.080)]	ND(0.076)	ND(0.076)	ND(0.050 J)	ND(0.060 J)
Bromomethane (Methyl Bromide)	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	R	R
Carbon disulfide	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.30)	ND(0.30)
Carbon tetrachloride	ND(0.036) [ND(0.037)]	ND(0.035)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.038)	ND(0.038)	ND(0.050)	ND(0.060)
Chlorobenzene	ND(0.036) [ND(0.037)]	ND(0.035)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.038)	ND(0.038)	ND(0.050)	ND(0.060)
Chloroethane	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.30)	ND(0.30)
Chloroform (Trichloromethane)	ND(0.036) [ND(0.037)]	ND(0.035)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.038)	ND(0.038)	ND(0.050)	ND(0.060)
Chloromethane (Methyl Chloride)	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.30)	ND(0.30)
cis-1,2-Dichloroethene	ND(0.036) [ND(0.037)]	ND(0.035)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.038)	ND(0.038)	ND(0.050)	ND(0.060)
cis-1,3-Dichloropropene	ND(0.036) [ND(0.037)]	ND(0.035)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.038)	ND(0.038)	ND(0.050)	ND(0.060)
Cyclohexane	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)	0.26 [0.23]	0.12 J	ND(0.16)	ND(0.050 J)	ND(0.060 J)
Dibromochloromethane	ND(0.072) [ND(0.075)]	ND(0.071)	ND(0.076)	ND(0.079) [ND(0.080)]	ND(0.076)	ND(0.076)	ND(0.050)	ND(0.060)
Dichlorodifluoromethane (CFC-12)	ND(0.072) [ND(0.075)]	ND(0.071)	ND(0.076)	ND(0.079) [ND(0.080)]	ND(0.076)	ND(0.076)	ND(0.050)	ND(0.060)
Ethylbenzene	ND(0.036) [ND(0.037)]	ND(0.035)	ND(0.038)	0.12 [0.11]	0.070	ND(0.038)	ND(0.050)	ND(0.060)
Isopropylbenzene	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)	0.069 J [0.069 J]	0.044 J	ND(0.16)	ND(0.050)	ND(0.060)
m&p-Xylene	ND(0.072) [ND(0.075)]	ND(0.071)	ND(0.076)	0.55 [0.50]	0.28	0.061 J	ND(0.050)	ND(0.060)
Methyl acetate	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)	0.24 [0.15 J]	0.10 J	ND(0.16)	ND(3.0)	ND(3.0)
Methyl cyclohexane	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)	0.88 [0.80]	0.43	0.084 J	ND(0.050)	ND(0.060)
Methyl Tert Butyl Ether	ND(0.26) [ND(0.16)]	ND(0.15)	ND(0.27)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.30)	ND(0.30)
Methylene chloride	ND(0.16 J) [ND(0.16 J)]	ND(0.15 J)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.30)	ND(0.30)
o-Xylene	ND(0.036) [ND(0.037)]	ND(0.035)	ND(0.038)	0.41 [0.38]	0.22	0.054	ND(0.050)	ND(0.060)
Styrene	ND(0.036) [ND(0.037)]	ND(0.035)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.038)	ND(0.038)	ND(0.050)	ND(0.060)
Tetrachloroethene	ND(0.036) [ND(0.037)]	ND(0.035)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.038)	ND(0.038)	ND(0.050)	ND(0.060)
Toluene	ND(0.036) [ND(0.075)]	ND(0.071)	ND(0.038)	0.53 [0.50]	0.32	0.038 J	ND(0.050)	ND(0.060)
trans-1,2-Dichloroethene	ND(0.036) [ND(0.037)]	ND(0.035)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.038)	ND(0.038)	ND(0.050)	ND(0.060)
trans-1,3-Dichloropropene	ND(0.036) [ND(0.037)]	ND(0.035)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.038)	ND(0.038)	ND(0.050)	ND(0.060)
Trichloroethene	ND(0.036) [ND(0.037)]	ND(0.035)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.038)	ND(0.038)	ND(0.050)	ND(0.060)
Trichlorofluoromethane (CFC-11)	ND(0.072) [ND(0.075)]	ND(0.071)	ND(0.076)	ND(0.079) [ND(0.080)]	ND(0.076)	ND(0.076)	ND(0.10)	ND(0.10)
Trifluorotrchloroethane (Freon 113)	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.10)	ND(0.10)
Vinyl chloride	ND(0.036) [ND(0.075)]	ND(0.071)	ND(0.038)	ND(0.079) [ND(0.080)]	ND(0.076)	ND(0.076)	ND(0.10)	ND(0.10)
Xylenes (total)	ND(0.072) [ND(0.075)]	ND(0.071)	ND(0.076)	0.96 [0.88]	0.50	0.12 J	ND(0.050)	ND(0.060)
SVOC								
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
2,4,5-Trichlorophenol	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
2,4,6-Trichlorophenol	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
2,4-Dichlorophenol	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
2,4-Dimethylphenol	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
2,4-Dinitrophenol	NA	NA	NA	ND(7.8) [ND(7.7)]	ND(7.3)	R	ND(0.60 J)	ND(0.60 J)
2,4-Dinitrotoluene	NA	NA	NA	ND(7.8) [ND(7.7)]	ND(7.3)	ND(7.3)	ND(0.30)	ND(0.30)
2,6-Dinitrotoluene	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9 J)	ND(0.30)	ND(0.30)
2-Chloronaphthalene	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
2-Chlorophenol	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
2-Methylnaphthalene	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	0.020 J	ND(0.30)
2-Methylphenol	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
2-Nitroaniline	NA	NA	NA	ND(7.8) [ND(7.7)]	ND(7.3)	ND(7.3)	ND(0.60)	ND(0.60)
2-Nitrophenol	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9 J)	ND(0.30)	ND(0.30)
3&4-Methylphenol	NA	NA	NA	ND(3.9 J) [ND(3.9 J)]	ND(3.7 J)	ND(3.7 J)	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	ND(7.8) [ND(7.7)]	ND(7.3)	R	ND(0.60)	ND(0.60)
3-Methylphenol	NA	NA	NA	NA	NA	NA	ND(0.30)	ND(0.30)
3-Nitroaniline	NA	NA	NA	ND(7.8) [ND(7.7)]	ND(7.3)	ND(7.3)	ND(0.60)	ND(0.60)
4,6-Dinitro-2-methylpheno	NA	NA	NA	ND(7.8) [ND(7.7)]	ND(7.3)	R	ND(0.60 J)	ND(0.60 J)
4-Bromophenyl phenyl ether	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
4-Chloro-3-methylpheno	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
4-Chloroaniline	NA	NA	NA	ND(7.8 J) [ND(7.7 J)]	ND(7.3 J)	R	ND(0.60)	ND(0.60 J)
4-Chlorophenyl phenyl ether	NA	NA	NA	ND(7.8) [ND(7.7)]	ND(7.3)	ND(7.3)	ND(0.30)	ND(0.30)
4-Nitroaniline	NA	NA	NA	ND(7.8) [ND(7.7)]	ND(7.3)	ND(7.3)	ND(0.60)	ND(0.60)
4-Nitrophenol	NA	NA	NA	ND(7.8) [ND(7.7)]	ND(7.3)	R	ND(0.60)	ND(0.60)
Acenaphthene	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Acenaphthylene	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Acetophenone	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Anthracene	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Atrazine	NA	NA	NA	ND(2.0 J) [ND(2.0 J)]	ND(1.9 J)	ND(1.9 J)	ND(0.30)	ND(0.30)
Benzaldehyde	NA	NA	NA	ND(2.0 J) [ND(2.0 J)]	ND(1.9 J)	ND(1.9 J)	ND(0.30)	ND(0.30)

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-10-28 8 - 10 10/14/02	RFI-10-29 0 - 2 10/14/02	RFI-10-29 6 - 8 10/14/02	RFI-10-30 0 - 2 03/27/03	RFI-10-30 2 - 4 03/27/03	RFI-10-31 1 - 3 03/27/03	RFI-10-32 0 - 2 03/08/05	RFI-10-32 8 - 10 03/08/05
Benzo(a)anthracene	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	0.050 J	ND(0.30)
Benzo(a)pyrene	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	0.050 J	ND(0.30)
Benzo(b)fluoranthene	NA	NA	NA	0.73 J [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Benzo(g,h,i)perylene	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Benzo(k)fluoranthene	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Biphenyl	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
bis(2-Chloroethoxy)methane	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
bis(2-Chloroethyl)ether	NA	NA	NA	ND(0.38) [ND(0.38)]	ND(0.36)	ND(0.36)	ND(0.30)	ND(0.30)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Butyl benzylphthalate	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Caprolactam	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Carbazole	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Chrysene	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	0.10 J	ND(0.30)
Dibenz(a,h)anthracene	NA	NA	NA	ND(2.0 J) [ND(2.0 J)]	ND(1.9 J)	ND(1.9 J)	ND(0.30)	ND(0.30)
Dibenzofuran	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Diethyl phthalate	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Dimethyl phthalate	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Di-n-butylphthalate	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	0.30
Di-n-octyl phthalate	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Fluoranthene	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	0.030 J	ND(0.30)
Fluorene	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Hexachlorobenzene	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Hexachlorobutadiene	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Hexachlorocyclopentadiene	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Hexachloroethane	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Indeno(1,2,3-cd)pyrene	NA	NA	NA	ND(2.0 J) [ND(2.0 J)]	ND(1.9 J)	ND(1.9 J)	ND(0.30)	ND(0.30)
Isophorone	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Methylphenols, Total	NA	NA	NA	ND(3.9) [ND(3.9)]	ND(3.7)	ND(3.7)	ND(0.30)	ND(0.30)
Naphthalene	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Nitrobenzene	NA	NA	NA	ND(0.78) [ND(0.77)]	ND(0.73)	ND(0.73)	ND(0.20)	ND(0.20)
N-Nitrosodi-n-propylamine	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
N-Nitrosodiphenylamine	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Pentachlorophenol	NA	NA	NA	ND(7.8) [ND(7.7)]	ND(7.3)	ND(7.3 J)	ND(0.60)	ND(0.60)
Phenanthrene	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	0.050 J	ND(0.30)
Phenol	NA	NA	NA	ND(2.0) [ND(2.0)]	ND(1.9)	ND(1.9)	ND(0.30)	ND(0.30)
Pyrene	NA	NA	NA	0.83 J [ND(2.0)]	ND(1.9)	ND(1.9)	0.10 J	ND(0.30)
PCB								
Aroclor-1016 (PCB-1016)	NA	NA	NA	ND(0.041) [ND(0.040)]	ND(0.038)	ND(0.038)	ND(0.33)	ND(0.33)
Aroclor-1221 (PCB-1221)	NA	NA	NA	ND(0.041) [ND(0.040)]	ND(0.038)	ND(0.038)	ND(0.33)	ND(0.33)
Aroclor-1232 (PCB-1232)	NA	NA	NA	ND(0.041) [ND(0.040)]	ND(0.038)	ND(0.038)	ND(0.33)	ND(0.33)
Aroclor-1242 (PCB-1242)	NA	NA	NA	0.49 [0.42]	ND(0.038)	ND(0.038)	ND(0.33)	ND(0.33)
Aroclor-1248 (PCB-1248)	NA	NA	NA	ND(0.041) [ND(0.040)]	0.19	0.11	ND(0.33)	ND(0.33)
Aroclor-1254 (PCB-1254)	NA	NA	NA	ND(0.041) [ND(0.040)]	ND(0.038)	ND(0.038)	ND(0.33)	ND(0.33)
Aroclor-1260 (PCB-1260)	NA	NA	NA	0.43 [0.72]	0.34	0.30 J	ND(0.33)	ND(0.33)
Total PCBs	NA	NA	NA	0.92 [1.1]	0.53	0.41 J	ND(0.33)	ND(0.33)
Inorganic								
Antimony	NA	NA	NA	0.42 [0.91]	0.35	0.14 J	ND(0.50)	ND(0.50)
Arsenic	NA	NA	NA	20 (RDC) [9.3 (RDC)]	4.7	3.4	0.88 J	0.95 J
Barium	NA	NA	NA	61 [83]	28	18	45 J	6.6 J
Beryllium	NA	NA	NA	0.52 J [0.61 J]	0.23 J	0.17 J	0.31	ND(0.10)
Cadmium	NA	NA	NA	0.69 [0.82]	0.40	0.14	ND(0.13)	ND(0.10)
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	NA	NA	NA	23 [48]	11	7.0	4.3	2.0
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	4.3 [5.3]	2.8	2.4	5.2 J	1.5 J
Copper	NA	NA	NA	76 J [81 J]	27 J	12 J	3.4	1.8
Cyanide (total)	NA	NA	NA	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	ND(0.10)	ND(0.10)
Lead	NA	NA	NA	66 [70]	28	12	6.2	3.1
Manganese	NA	NA	NA	230 [410]	160	110	330 J	130 J
Mercury	NA	NA	NA	0.17 J [0.15 J]	0.085 J	0.14 J	ND(0.050)	ND(0.050)
Nickel	NA	NA	NA	23 [38]	12	7.2	9.3 J	2.7
Selenium	NA	NA	NA	0.63 [0.56]	0.38 J	0.20 J	0.31	ND(0.20)
Silver	NA	NA	NA	0.15 J [0.45]	0.077 J	0.054 J	ND(0.20)	ND(0.20 J)
Thallium	NA	NA	NA	0.21 [0.20]	0.12 J	0.083 J	ND(0.10)	ND(0.10)
Vanadium	NA	NA	NA	19 [15]	11	10	6.3	2.3
Zinc	NA	NA	NA	160 J [250 J]	130 J	51 J	13 J	5.2 J

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-10-32 10 - 12 03/08/05	RFI-10-33 0 - 2 06/28/05	RFI-10-33 8 - 10 06/28/05	RFI-10-34 0 - 2 06/28/05	RFI-10-34 8 - 10 06/28/05	RFI-10-35 0 - 2 06/28/05	RFI-10-35 8 - 10 06/28/05	RFI-10-36 0 - 2 06/28/05	RFI-10-36 8 - 10 06/28/05
Miscellaneous									
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	90	95	83	90	93	87	94	91	87
VOC									
1,1,1-Trichloroethane	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
1,1,2,2-Tetrachloroethane	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
1,1,2-Trichloroethane	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
1,1-Dichloroethane	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
1,1-Dichloroethene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
1,2,4-Trichlorobenzene	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.060 J)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.060)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
1,2-Dichlorobenzene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
1,2-Dichloroethane	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
1,2-Dichloropropane	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
1,3-Dichlorobenzene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
1,4-Dichlorobenzene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2-Butanone (Methyl Ethyl Ketone)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)
2-Hexanone	ND(3.0 J)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)
Acetone	ND(0.80 J)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)
Benzene	ND(0.060)	0.050 J	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Bromodichloromethane	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Bromoform	ND(0.060 J)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Bromomethane (Methyl Bromide)	R	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Carbon disulfide	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Carbon tetrachloride	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Chlorobenzene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Chloroethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Chloroform (Trichloromethane)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Chloromethane (Methyl Chloride)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
cis-1,2-Dichloroethene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
cis-1,3-Dichloropropene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Cyclohexane	ND(0.060 J)	0.060	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Dibromochloromethane	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Dichlorodifluoromethane (CFC-12)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Ethylbenzene	ND(0.060)	0.010 J	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Isopropylbenzene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
m&p-Xylene	ND(0.060)	0.060	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Methyl acetate	ND(3.0)	0.20 J	ND(3.0)	0.30 J	ND(3.0)	3.0	ND(3.0)	0.20 J	ND(3.0)
Methyl cyclohexane	ND(0.060)	0.070	ND(0.060)	0.020 J	ND(0.050)	ND(0.050)	ND(0.050)	0.020 J	ND(0.050)
Methyl Tert Butyl Ether	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Methylene chloride	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
o-Xylene	ND(0.060)	0.040 J	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Styrene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Tetrachloroethene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Toluene	ND(0.060)	0.060	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.010 J	ND(0.050)
trans-1,2-Dichloroethene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
trans-1,3-Dichloropropene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Trichloroethene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Trichlorofluoromethane (CFC-11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Trifluorotrichloroethane (Freon 113)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Vinyl chloride	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Xylenes (total)	ND(0.060)	0.10 J	ND(0.060)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
SVOC									
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
2,4,5-Trichlorophenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
2,4,6-Trichlorophenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
2,4-Dichlorophenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
2,4-Dimethylphenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
2,4-Dinitrophenol	ND(0.60 J)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)
2,4-Dinitrotoluene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
2,6-Dinitrotoluene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
2-Chloronaphthalene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
2-Chlorophenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
2-Methylnaphthalene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
2-Methylphenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
2-Nitroaniline	ND(0.60)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)
2-Nitrophenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
3&4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	ND(0.60)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)
3-Methylphenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
3-Nitroaniline	ND(0.60)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)
4,6-Dinitro-2-methylpheno	ND(0.60 J)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)
4-Bromophenyl phenyl ether	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
4-Chloro-3-methylpheno	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
4-Chloroaniline	ND(0.60)	ND(0.67 J)	ND(0.67 J)	ND(0.67 J)	ND(0.67 J)	ND(0.67 J)	ND(0.67 J)	ND(0.67 J)	ND(0.67 J)
4-Chlorophenyl phenyl ether	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
4-Nitroaniline	ND(0.60)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)
4-Nitrophenol	ND(0.60)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)
Acenaphthene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Acenaphthylene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Acetophenone	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Anthracene	ND(0.30)	ND(0.33)	ND(0.33)	0.020 J	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Atrazine	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Benzaldehyde	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-10-32 10 - 12 03/08/05	RFI-10-33 0 - 2 06/28/05	RFI-10-33 8 - 10 06/28/05	RFI-10-34 0 - 2 06/28/05	RFI-10-34 8 - 10 06/28/05	RFI-10-35 0 - 2 06/28/05	RFI-10-35 8 - 10 06/28/05	RFI-10-36 0 - 2 06/28/05	RFI-10-36 8 - 10 06/28/05
Benzo(a)anthracene	ND(0.30)	0.060 J	ND(0.33)	0.10 J	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(a)pyrene	ND(0.30)	0.060 J	ND(0.33)	0.090 J	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(b)fluoranthene	ND(0.30)	0.060 J	ND(0.33)	0.090 J	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(g,h,i)perylene	ND(0.30)	0.10 J	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(k)fluoranthene	ND(0.30)	0.050 J	ND(0.33)	0.070 J	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Biphenyl	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
bis(2-Chloroethoxy)methane	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
bis(2-Chloroethyl)ether	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
bis(2-Ethylhexyl)phthalate	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Butyl benzylphthalate	ND(0.30)	0.50	ND(0.33)	0.040 J	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Caprolactam	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Carbazole	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Chrysene	0.010 J	0.060 J	ND(0.33)	0.10 J	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Dibenz(a,h)anthracene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Dibenzofuran	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Diethyl phthalate	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Dimethyl phthalate	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Di-n-butylphthalate	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Di-n-octyl phthalate	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Fluoranthene	ND(0.30)	0.080 J	0.050 J	0.10 J	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Fluorene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Hexachlorobenzene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Hexachlorobutadiene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Hexachlorocyclopentadiene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Hexachloroethane	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Indeno(1,2,3-cd)pyrene	ND(0.30)	ND(0.33)	ND(0.33)	0.20 J	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Isophorone	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Methylphenols, Total	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Naphthalene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Nitrobenzene	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
N-Nitrosodi-n-propylamine	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
N-Nitrosodiphenylamine	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Pentachlorophenol	ND(0.60)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)
Phenanthrene	ND(0.30)	0.050 J	ND(0.33)	0.090 J	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Phenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Pyrene	0.030 J	0.070 J	ND(0.33)	0.10 J	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
PCB									
Aroclor-1016 (PCB-1016)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1221 (PCB-1221)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1232 (PCB-1232)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1242 (PCB-1242)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1248 (PCB-1248)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1254 (PCB-1254)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1260 (PCB-1260)	ND(0.33)	0.040 J	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Total PCBs	ND(0.33)	0.040 J	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Inorganic									
Antimony	ND(0.50)	0.070 J	ND(0.30)	0.090 J	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Arsenic	0.90 J	2.5	1.3	2.7	ND(0.64)	1.1	0.92	1.3	1.0
Barium	7.3 J	33	6.8	71	6.1	41	3.8	38	6.9
Beryllium	ND(0.10)	0.19 J	0.060 J	0.28 J	0.040 J	0.26 J	ND(0.50)	0.20 J	0.060 J
Cadmium	ND(0.090)	0.47	0.10 J	0.72	0.070 J	0.090 J	0.050 J	0.22	ND(0.20)
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	2.2	19	1.1 J	7.5	1.0 J	3.4	0.90 J	3.4	1.3 J
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	1.4 J	2.7	1.1	3.9	1.3	5.9	0.84	2.9	1.3
Copper	1.8	18	3.4	26	1.2	3.2	0.90 J	6.4	1.4
Cyanide (total)	ND(0.10)	0.30	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Lead	3.1	160	3.4	78	2.7	9.4	3.7	33	3.4
Manganese	120 J	310	140	380	120	390	73	240	79
Mercury	ND(0.050)	0.030 J	0.010 J	0.15	ND(0.050)	0.030 J	ND(0.050)	0.030 J	ND(0.050)
Nickel	2.6	7.5	2.3	5.6	2.0	2.1	1.1	2.0	1.2
Selenium	ND(0.20)	ND(0.29)	ND(0.20)	ND(0.30)	ND(0.20)	ND(0.21)	ND(0.20)	ND(23)	ND(0.20)
Silver	ND(0.20 J)	ND(0.10)	ND(0.10)	0.19	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Thallium	ND(0.10)	0.21 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Vanadium	2.3	5.4	2.3	5.5	1.4	5.3	0.80 J	3.8	2.0
Zinc	5.3 J	66	8.7	110	3.3	9.8	3.1	31	3.1

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-12-23 0.9 - 1.4 02/19/03	RFI-12-23 2.5 - 4.5 02/19/03	RFI-12-23 8.5 - 10.5 02/19/03	RFI-12-23 10.5 - 12.5 02/19/03	RFI-12-23 12.5 - 14.5 02/19/03	RFI-12-24 1 - 3 03/28/03	RFI-12-24 5 - 7 03/28/03	RFI-12-25 1 - 3 03/28/03	RFI-12-25 7 - 9 04/03/03
Miscellaneous									
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	88	88	79	86	79	97	96	97	86
VOC									
1,1,1-Trichloroethane	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.035)	ND(0.036)	ND(0.036)	ND(0.039)
1,1,2,2-Tetrachloroethane	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081)	ND(0.086)	ND(0.071)	ND(0.072)	ND(0.072)	ND(0.079)
1,1,2-Trichloroethane	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.035)	ND(0.036)	ND(0.036)	ND(0.039)
1,1-Dichloroethane	ND(0.039 J)	ND(0.039 J)	ND(0.043 J)	ND(0.040)	ND(0.043 J)	ND(0.035)	ND(0.036)	ND(0.036)	ND(0.039)
1,1-Dichloroethene	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.035)	ND(0.036)	ND(0.036)	ND(0.039)
1,2,4-Trichlorobenzene	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.17)
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.17)
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.17)
1,2-Dichlorobenzene	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081)	ND(0.086)	ND(0.071)	ND(0.072)	ND(0.072)	ND(0.079)
1,2-Dichloroethane	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.035)	ND(0.036)	ND(0.036)	ND(0.039)
1,2-Dichloropropane	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.035)	ND(0.036)	ND(0.036)	ND(0.039)
1,3-Dichlorobenzene	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081)	ND(0.086)	ND(0.071)	ND(0.072)	ND(0.072)	ND(0.079)
1,4-Dichlorobenzene	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081)	ND(0.086)	ND(0.071)	ND(0.072)	ND(0.072)	ND(0.079)
2-Butanone (Methyl Ethyl Ketone)	ND(0.33 J)	ND(0.34 J)	ND(0.37 J)	ND(0.35)	ND(0.37 J)	ND(0.30)	ND(0.31)	ND(0.31)	ND(0.34 J)
2-Hexanone	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081)	ND(0.086)	ND(0.071)	ND(0.072)	ND(0.072)	ND(0.079)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(1.7)	ND(1.7)	ND(1.8)	ND(1.7)	ND(1.8)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.7)
Acetone	0.044 J	0.056 J	0.071 J	0.086 J	0.075 J	ND(0.30)	ND(0.31)	ND(0.31)	0.094 J
Benzene	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.035)	ND(0.036)	ND(0.036)	ND(0.039)
Bromodichloromethane	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081)	ND(0.086)	ND(0.071)	ND(0.072)	ND(0.072)	ND(0.079)
Bromoform	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081)	ND(0.086)	ND(0.071)	ND(0.072)	ND(0.072)	ND(0.079)
Bromomethane (Methyl Bromide)	ND(0.17 J)	ND(0.17 J)	ND(0.18 J)	ND(0.17 J)	ND(0.18 J)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.17 J)
Carbon disulfide	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.17 J)
Carbon tetrachloride	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.035)	ND(0.036)	ND(0.036)	ND(0.039)
Chlorobenzene	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.035)	ND(0.036)	ND(0.036)	ND(0.039)
Chloroethane	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.17)
Chloroform (Trichloromethane)	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.035)	ND(0.036)	ND(0.036)	ND(0.039)
Chloromethane (Methyl Chloride)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.17)
cis-1,2-Dichloroethene	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.035)	ND(0.036)	ND(0.036)	ND(0.039)
cis-1,3-Dichloropropene	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.035)	ND(0.036)	ND(0.036)	ND(0.039)
Cyclohexane	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.17)
Dibromochloromethane	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081)	ND(0.086)	ND(0.071)	ND(0.072)	ND(0.072)	ND(0.079)
Dichlorodifluoromethane (CFC-12)	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081)	ND(0.086)	0.041 J	ND(0.072)	ND(0.072)	ND(0.079)
Ethylbenzene	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.035)	ND(0.036)	ND(0.036)	ND(0.039)
Isopropylbenzene	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.17)
m&p-Xylene	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081)	ND(0.086)	ND(0.071)	ND(0.072)	ND(0.072)	ND(0.079)
Methyl acetate	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	0.095 J	ND(0.15)	ND(0.15)	0.27 J
Methyl cyclohexane	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.17)
Methyl Tert Butyl Ether	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.17)
Methylene chloride	ND(0.17)	0.048 J	0.050 J	0.044 J	0.049 J	ND(0.15)	ND(0.15)	ND(0.15)	0.090 J
o-Xylene	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.035)	ND(0.036)	ND(0.036)	ND(0.039)
Styrene	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.035)	ND(0.036)	ND(0.036)	ND(0.039)
Tetrachloroethene	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.035)	ND(0.036)	ND(0.036)	ND(0.039)
Toluene	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081)	ND(0.086)	ND(0.071)	ND(0.072)	ND(0.072)	ND(0.079)
trans-1,2-Dichloroethene	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.035)	ND(0.036)	ND(0.036)	ND(0.039)
trans-1,3-Dichloropropene	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.035)	ND(0.036)	ND(0.036)	ND(0.039)
Trichloroethene	ND(0.039)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.035)	ND(0.036)	ND(0.036)	ND(0.039)
Trichlorofluoromethane (CFC-11)	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081)	ND(0.086)	ND(0.071)	ND(0.072)	ND(0.072)	ND(0.079)
Trifluorotrichloroethane (Freon 113)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.17)
Vinyl chloride	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081)	ND(0.086)	ND(0.071)	ND(0.072)	ND(0.072)	ND(0.079)
Xylenes (total)	ND(0.078)	ND(0.078)	ND(0.086)	ND(0.081)	ND(0.086)	ND(0.071)	ND(0.072)	ND(0.072)	ND(0.079)
SVOC									
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
2,4,5-Trichlorophenol	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
2,4,6-Trichlorophenol	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
2,4-Dichlorophenol	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
2,4-Dimethylphenol	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
2,4-Dinitrophenol	ND(0.77)	ND(0.76)	ND(0.84)	ND(0.78)	ND(0.85)	ND(0.69)	ND(0.70)	ND(0.69)	ND(3.9)
2,4-Dinitrotoluene	ND(0.77)	ND(0.76)	ND(0.84)	ND(0.78)	ND(0.85)	ND(0.69)	ND(0.70)	ND(0.69)	ND(3.9)
2,6-Dinitrotoluene	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
2-Chloronaphthalene	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
2-Chlorophenol	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
2-Methylnaphthalene	0.12 J	ND(0.19)	ND(0.21)	3.5	0.14 J	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
2-Methylphenol	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
2-Nitroaniline	ND(0.77)	ND(0.76)	ND(0.84)	ND(0.78)	ND(0.85)	ND(0.69)	ND(0.70)	ND(0.69)	ND(3.9)
2-Nitrophenol	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
3&4-Methylphenol	ND(0.39 J)	ND(0.39 J)	ND(0.43 J)	ND(0.39 J)	ND(0.43 J)	ND(0.35 J)	ND(0.35 J)	ND(0.35 J)	ND(2.0 J)
3,3'-Dichlorobenzidine	ND(0.77)	ND(0.76)	ND(0.84)	ND(0.78)	ND(0.85)	ND(0.69)	ND(0.70)	ND(0.69)	ND(3.9)
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ND(0.77)	ND(0.76)	ND(0.84)	ND(0.78)	ND(0.85)	ND(0.69)	ND(0.70)	ND(0.69)	ND(3.9)
4,6-Dinitro-2-methylpheno	ND(0.77)	ND(0.76)	ND(0.84)	ND(0.78)	ND(0.85)	ND(0.69)	ND(0.70)	ND(0.69)	ND(3.9)
4-Bromophenyl phenyl ether	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
4-Chloro-3-methylpheno	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
4-Chloroaniline	ND(0.77)	ND(0.76)	ND(0.84)	ND(0.78)	ND(0.85)	ND(0.69 J)	ND(0.70 J)	ND(0.69 J)	ND(3.9)
4-Chlorophenyl phenyl ether	ND(0.77)	ND(0.76)	ND(0.84)	ND(0.78)	ND(0.85)	ND(0.69)	ND(0.70)	ND(0.69)	ND(3.9)
4-Nitroaniline	ND(0.77)	ND(0.76)	ND(0.84)	ND(0.78)	ND(0.85)	ND(0.69)	ND(0.70)	ND(0.69)	ND(3.9)
4-Nitrophenol	ND(0.77)	ND(0.76)	ND(0.84)	ND(0.78)	ND(0.85)	ND(0.69)	ND(0.70)	ND(0.69)	ND(3.9)
Acenaphthene	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Acenaphthylene	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Acetophenone	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Anthracene	ND(0.19)	ND(0.19)	ND(0.21)	0.30	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Atrazine	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17 J)	ND(0.18 J)	ND(0.17 J)	ND(0.99)
Benzaldehyde	ND(0.19 J)	ND(0.19 J)	ND(0.21 J)	ND(0.20 J)	ND(0.22 J)	ND(0.17 J)	ND(0.18 J)	ND(0.17 J)	ND(0.99 J)

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-12-23 0.9 - 1.4 02/19/03	RFI-12-23 2.5 - 4.5 02/19/03	RFI-12-23 8.5 - 10.5 02/19/03	RFI-12-23 10.5 - 12.5 02/19/03	RFI-12-23 12.5 - 14.5 02/19/03	RFI-12-24 1 - 3 03/28/03	RFI-12-24 5 - 7 03/28/03	RFI-12-25 1 - 3 03/28/03	RFI-12-25 7 - 9 04/03/03
Benzo(a)anthracene	ND(0.19)	0.12 J	ND(0.21)	0.085 J	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Benzo(a)pyrene	ND(0.19)	0.13 J	ND(0.21)	ND(0.20 J)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99 J)
Benzo(b)fluoranthene	ND(0.19)	0.22 J	ND(0.21)	ND(0.20 J)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99 J)
Benzo(g,h,i)perylene	ND(0.19)	0.069 J	ND(0.21)	ND(0.20 J)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Benzo(k)fluoranthene	ND(0.19)	0.13 J	ND(0.21)	ND(0.20 J)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99 J)
Biphenyl	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
bis(2-Chloroethoxy)methane	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
bis(2-Chloroethyl)ether	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.038)	ND(0.042)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.19)
bis(2-Ethylhexyl)phthalate	0.072 J	ND(0.19 J)	ND(0.21 J)	0.085 J	ND(0.22)	0.11 J	ND(0.18)	ND(0.17)	ND(0.99)
Butyl benzylphthalate	ND(0.19)	ND(0.19 J)	ND(0.21 J)	ND(0.20 J)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Caprolactam	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Carbazole	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Chrysene	ND(0.19)	0.13 J	ND(0.21)	0.17 J	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Dibenz(a,h)anthracene	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20 J)	ND(0.22)	ND(0.17 J)	ND(0.18 J)	ND(0.17 J)	ND(0.99)
Dibenzofuran	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Diethyl phthalate	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Dimethyl phthalate	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Di-n-butylphthalate	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Di-n-octyl phthalate	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20 J)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99 J)
Fluoranthene	ND(0.19)	0.25	ND(0.21)	0.15 J	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Fluorene	ND(0.19)	ND(0.19)	0.25	0.81	0.092 J	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Hexachlorobenzene	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Hexachlorobutadiene	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Hexachlorocyclopentadiene	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Hexachloroethane	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Indeno(1,2,3-cd)pyrene	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20 J)	ND(0.22)	ND(0.17 J)	ND(0.18 J)	ND(0.17 J)	ND(0.99)
Isophorone	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Methylphenols, Total	ND(0.39)	ND(0.39)	ND(0.43)	ND(0.39)	ND(0.43)	ND(0.35)	ND(0.35)	ND(0.35)	ND(2.0)
Naphthalene	0.44	0.10 J	ND(0.21)	0.43	0.085 J	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Nitrobenzene	ND(0.077)	ND(0.076)	ND(0.084)	ND(0.078)	ND(0.085)	ND(0.069)	ND(0.070)	ND(0.069)	ND(0.39)
N-Nitrosodi-n-propylamine	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
N-Nitrosodiphenylamine	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Pentachlorophenol	ND(0.77)	ND(0.76)	ND(0.84)	ND(0.78)	ND(0.85)	ND(0.69)	ND(0.70)	ND(0.69)	ND(3.9)
Phenanthrene	ND(0.19)	0.17 J	ND(0.21)	2.0	0.16 J	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Phenol	ND(0.19)	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
Pyrene	ND(0.19)	0.25	0.14 J	0.59	ND(0.22)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.99)
PCB									
Aroclor-1016 (PCB-1016)	ND(0.040)	ND(0.040)	ND(0.044)	ND(0.041)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.041)
Aroclor-1221 (PCB-1221)	ND(0.040)	ND(0.040)	ND(0.044)	ND(0.041)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.041)
Aroclor-1232 (PCB-1232)	ND(0.040)	ND(0.040)	ND(0.044)	ND(0.041)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.041)
Aroclor-1242 (PCB-1242)	ND(0.040)	ND(0.040)	ND(0.044)	ND(0.041)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.041)
Aroclor-1248 (PCB-1248)	ND(0.040)	ND(0.040)	ND(0.044)	ND(0.041)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.041)
Aroclor-1254 (PCB-1254)	ND(0.040)	ND(0.040)	ND(0.044)	ND(0.041)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.041)
Aroclor-1260 (PCB-1260)	ND(0.040)	ND(0.040)	ND(0.044)	ND(0.041)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.041)
Total PCBs	ND(0.040)	ND(0.040)	ND(0.044)	ND(0.041)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.041)
Inorganic									
Antimony	0.093 J	0.15 J	ND(0.19 J)	ND(0.17 J)	ND(0.19 J)	0.031 J	0.030 J	0.041 J	0.019 J
Arsenic	4.0 J	3.8 J	9.9 J (RDC)	4.7 J	3.8 J	3.0	2.6	3.8	4.2 J
Barium	50 J	44 J	100 J	100 J	97 J	12	6.7	13	44
Beryllium	0.25 J	0.21 J	0.49 J	0.58 J	0.62 J	0.085 J	0.075 J	0.091 J	0.25 J
Cadmium	0.43	1.6	0.11	0.11	0.11	0.087	0.086	0.099	0.24
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	13 J	13 J	25 J	26 J	29 J	5.9	4.9	7.3	11
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	3.9 J	3.6 J	10 J	7.9 J	9.0 J	1.9	1.7	2.8	4.1 J
Copper	28 J	150 J	14 J	18 J	15 J	4.6 J	4.0 J	6.3 J	9.9 J
Cyanide (total)	ND(0.000020 J)	ND(1.0 J)	ND(1.0 J)	ND(0.20 J)	ND(0.20 J)	ND(0.20)	0.24	0.34	ND(0.20)
Lead	28 J	620 J (RDC)	13 J	39 J	13 J	3.5	3.0	3.9	15 J
Manganese	170	180	300	290	280	110	110	170	150
Mercury	0.069 J	0.065 J	0.011 J	0.012 J	0.013 J	ND(0.072 J)	ND(0.073 J)	ND(0.066 J)	0.056 J
Nickel	12 J	21 J	26 J	22 J	26 J	7.4	7.2	11	12 J
Selenium	0.93	0.19	ND(0.077)	ND(0.068)	0.65 J	0.035 J	0.066	0.15	0.12 J
Silver	0.083 J	0.10 J	0.087 J	0.10 J	0.098 J	0.039 J	0.021 J	0.027 J	0.042 J
Thallium	0.11 J	0.074 J	0.24	0.24	0.36	0.049 J	0.040 J	0.093 J	0.11 J
Vanadium	16 J	15 J	40 J	44 J	46 J	7.4	7.5	9.9	20 J
Zinc	43 J	320 J	44 J	47 J	53 J	19 J	17 J	24 J	66 J

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-12-25 11 - 13 04/03/03	RFI-12-26 1 - 3 03/31/03	RFI-12-26 6 - 8 03/31/03	RFI-12-26 9 - 11 03/31/03	RFI-12-26 11 - 13 03/31/03	RFI-12-27 1 - 3 07/24/03	RFI-12-27 3 - 5 07/24/03	RFI-12-28 1 - 3 07/23/03	RFI-12-28 8 - 10 07/23/03
Miscellaneous									
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	81	97	83	79	86	92	90	82 [93]	93
VOC									
1,1,1-Trichloroethane	ND(0.042)	ND(0.035)	ND(0.042)	ND(0.043)	ND(0.040)	ND(0.037)	0.097	ND(0.041) [ND(0.037)]	ND(0.036)
1,1,2,2-Tetrachloroethane	ND(0.084)	ND(0.071)	ND(0.084)	ND(0.086)	ND(0.081)	ND(0.074)	ND(0.078)	ND(0.082) [ND(0.073)]	ND(0.073)
1,1,2-Trichloroethane	ND(0.042)	ND(0.035)	ND(0.042)	ND(0.043)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.041) [ND(0.037)]	ND(0.036)
1,1-Dichloroethane	ND(0.042)	ND(0.035)	ND(0.042)	ND(0.043)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.041) [ND(0.037)]	ND(0.036)
1,1-Dichloroethene	ND(0.042)	ND(0.035)	ND(0.042)	ND(0.043)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.041) [ND(0.037)]	ND(0.036)
1,2,4-Trichlorobenzene	ND(0.18)	ND(0.15)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18) [ND(0.16)]	ND(0.16)
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.18)	ND(0.15)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18) [ND(0.16)]	ND(0.16)
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.18)	ND(0.15)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18) [ND(0.16)]	ND(0.16)
1,2-Dichlorobenzene	ND(0.084)	ND(0.071)	ND(0.084)	ND(0.086)	ND(0.081)	ND(0.074)	ND(0.078)	ND(0.082) [ND(0.073)]	ND(0.073)
1,2-Dichloroethane	ND(0.042)	ND(0.035)	ND(0.042)	ND(0.043)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.041) [ND(0.037)]	ND(0.036)
1,2-Dichloropropane	ND(0.042)	ND(0.035)	ND(0.042)	ND(0.043)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.041) [ND(0.037)]	ND(0.036)
1,3-Dichlorobenzene	ND(0.084)	ND(0.071)	ND(0.084)	ND(0.086)	ND(0.081)	ND(0.074)	ND(0.078)	ND(0.082) [ND(0.073)]	ND(0.073)
1,4-Dichlorobenzene	ND(0.084)	ND(0.071)	ND(0.084)	ND(0.086)	ND(0.081)	ND(0.074)	ND(0.078)	ND(0.082) [ND(0.073)]	ND(0.073)
2-Butanone (Methyl Ethyl Ketone)	ND(0.36 J)	ND(0.30)	ND(0.36)	ND(0.37)	ND(0.35)	ND(0.32 J)	ND(0.33 J)	ND(0.35) [ND(0.33)]	ND(0.31)
2-Hexanone	ND(0.084)	ND(0.071)	ND(0.084)	ND(0.086)	ND(0.081)	ND(0.074)	ND(0.078)	ND(0.082) [ND(0.073)]	ND(0.073)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(1.8)	ND(1.5)	ND(1.8)	ND(1.8)	ND(1.7)	ND(1.6)	ND(1.7)	ND(1.8) [ND(1.6)]	ND(1.6)
Acetone	ND(0.36)	ND(0.30)	ND(0.36)	ND(0.37)	ND(0.35)	ND(0.32 J)	0.17 J	ND(0.35) [ND(0.31)]	ND(0.31)
Benzene	ND(0.042)	ND(0.035)	ND(0.042)	ND(0.043)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.041) [ND(0.037)]	ND(0.036)
Bromodichloromethane	ND(0.084)	ND(0.071)	ND(0.084)	ND(0.086)	ND(0.081)	ND(0.074)	ND(0.078)	ND(0.082) [ND(0.073)]	ND(0.073)
Bromoform	ND(0.084)	ND(0.071)	ND(0.084)	ND(0.086)	ND(0.081)	ND(0.074)	ND(0.078)	ND(0.082) [ND(0.073)]	ND(0.073)
Bromomethane (Methyl Bromide)	ND(0.18 J)	ND(0.15)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18 J) [ND(0.16 J)]	ND(0.16 J)
Carbon disulfide	ND(0.18 J)	ND(0.15)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.16 J)	ND(0.17 J)	ND(0.18) [ND(0.16)]	ND(0.16)
Carbon tetrachloride	ND(0.042)	ND(0.035)	ND(0.042)	ND(0.043)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.041) [ND(0.037)]	ND(0.036)
Chlorobenzene	ND(0.042)	ND(0.035)	ND(0.042)	ND(0.043)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.041) [ND(0.037)]	ND(0.036)
Chloroethane	ND(0.18)	ND(0.15)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18) [ND(0.16)]	ND(0.16)
Chloroform (Trichloromethane)	ND(0.042)	ND(0.035)	ND(0.042)	ND(0.043)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.041) [ND(0.037)]	ND(0.036)
Chloromethane (Methyl Chloride)	ND(0.18)	ND(0.15)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18) [ND(0.16)]	ND(0.16)
cis-1,2-Dichloroethene	ND(0.042)	ND(0.035)	ND(0.042)	ND(0.043)	ND(0.040)	ND(0.037)	0.093	ND(0.041) [ND(0.037)]	ND(0.036)
cis-1,3-Dichloropropene	ND(0.042)	ND(0.035)	ND(0.042)	ND(0.043)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.041) [ND(0.037)]	ND(0.036)
Cyclohexane	ND(0.18)	ND(0.15)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18) [ND(0.16)]	ND(0.16)
Dibromochloromethane	ND(0.084)	ND(0.071)	ND(0.084)	ND(0.086)	ND(0.081)	ND(0.074)	ND(0.078)	ND(0.082) [ND(0.073)]	ND(0.073)
Dichlorodifluoromethane (CFC-12)	ND(0.084)	ND(0.071)	ND(0.084)	ND(0.086)	ND(0.081)	ND(0.074)	ND(0.078)	ND(0.082) [ND(0.073)]	ND(0.073)
Ethylbenzene	ND(0.042)	ND(0.035)	ND(0.042)	ND(0.043)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.041) [ND(0.037)]	ND(0.036)
Isopropylbenzene	ND(0.18)	ND(0.15)	0.031 J	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18) [ND(0.16)]	ND(0.16)
m&p-Xylene	ND(0.084)	ND(0.071)	ND(0.084)	ND(0.086)	ND(0.081)	ND(0.074)	0.032 J	ND(0.082) [ND(0.073)]	ND(0.073)
Methyl acetate	ND(0.18 J)	ND(0.15)	0.048 J	ND(0.18)	ND(0.17)	0.053 J	0.18 J	0.26 [0.18]	ND(0.16)
Methyl cyclohexane	ND(0.18)	ND(0.15)	0.042 J	ND(0.18)	0.035 J	ND(0.16)	0.042 J	ND(0.18) [ND(0.16)]	ND(0.16)
Methyl Tert Butyl Ether	ND(0.18)	ND(0.15)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18) [ND(0.16)]	ND(0.16)
Methylene chloride	0.094 J	ND(0.15)	ND(0.18)	ND(0.18)	ND(0.17)	0.037 J	0.12 J	ND(0.18) [ND(0.16)]	ND(0.16)
o-Xylene	ND(0.042)	ND(0.035)	ND(0.042)	ND(0.043)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.041) [ND(0.037)]	ND(0.036)
Styrene	ND(0.042)	ND(0.035)	ND(0.042)	ND(0.043)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.041) [ND(0.037)]	ND(0.036)
Tetrachloroethene	ND(0.042)	ND(0.035)	ND(0.042)	ND(0.043)	ND(0.040)	ND(0.037)	0.40	ND(0.041) [ND(0.037)]	ND(0.036)
Toluene	ND(0.084)	ND(0.071)	ND(0.084)	ND(0.086)	ND(0.081)	ND(0.074)	ND(0.078)	ND(0.082) [ND(0.073)]	ND(0.073)
trans-1,2-Dichloroethene	ND(0.042)	ND(0.035)	ND(0.042)	ND(0.043)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.041) [ND(0.037)]	ND(0.036)
trans-1,3-Dichloropropene	ND(0.042)	ND(0.035)	ND(0.042)	ND(0.043)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.041) [ND(0.037)]	ND(0.036)
Trichloroethene	ND(0.042)	ND(0.035)	ND(0.042)	ND(0.043)	ND(0.040)	ND(0.037)	0.056	ND(0.041) [ND(0.037)]	ND(0.036)
Trichlorofluoromethane (CFC-11)	ND(0.084)	ND(0.071)	ND(0.084)	ND(0.086)	ND(0.081)	ND(0.074)	ND(0.078)	ND(0.082) [ND(0.073)]	ND(0.073)
Trifluorotrichloroethane (Freon 113)	ND(0.18)	ND(0.15)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18) [ND(0.16)]	ND(0.16)
Vinyl chloride	ND(0.084)	ND(0.071)	ND(0.084)	ND(0.086)	ND(0.081)	ND(0.074)	ND(0.078)	ND(0.082) [ND(0.073)]	ND(0.073)
Xylenes (total)	ND(0.084)	ND(0.071)	ND(0.084)	ND(0.086)	ND(0.081)	ND(0.074)	0.032 J	ND(0.082) [ND(0.073)]	ND(0.073)
SVOC									
2,2-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
2,4,5-Trichlorophenol	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
2,4,6-Trichlorophenol	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
2,4-Dichlorophenol	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
2,4-Dimethylphenol	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
2,4-Dinitrophenol	ND(0.83)	ND(0.69)	ND(16)	ND(0.85)	ND(0.78)	ND(0.72 J)	ND(0.74)	ND(0.81) [ND(0.71)]	ND(0.72)
2,4-Dinitrotoluene	ND(0.83)	ND(0.69)	ND(16)	ND(0.85)	ND(0.78)	ND(0.72)	ND(0.74)	ND(0.81) [ND(0.71)]	ND(0.72)
2,6-Dinitrotoluene	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
2-Chloronaphthalene	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
2-Chlorophenol	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
2-Methylnaphthalene	ND(0.21)	ND(0.18)	1.5 J	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	0.13 J [ND(0.18)]	ND(0.18)
2-Methylphenol	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
2-Nitroaniline	ND(0.83)	ND(0.69)	ND(16)	ND(0.85)	ND(0.78)	ND(0.72)	ND(0.74)	ND(0.81) [ND(0.71 J)]	ND(0.72)
2-Nitrophenol	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
3&4-Methylphenol	ND(0.42 J)	ND(0.35 J)	ND(8.2 J)	ND(0.43 J)	ND(0.40 J)	ND(0.37 J)	ND(0.38 J)	ND(0.41 J) [ND(0.36 J)]	ND(0.36 J)
3,3'-Dichlorobenzidine	ND(0.83)	ND(0.69)	ND(16 J)	ND(0.85 J)	ND(0.78 J)	ND(0.72)	ND(0.74)	ND(0.81) [ND(0.71)]	ND(0.72)
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ND(0.83)	ND(0.69)	ND(16)	ND(0.85)	ND(0.78)	ND(0.72)	ND(0.74)	ND(0.81) [ND(0.71)]	ND(0.72)
4,6-Dinitro-2-methylpheno	ND(0.83)	ND(0.69)	ND(16)	ND(0.85)	ND(0.78)	ND(0.72)	ND(0.74)	ND(0.81) [ND(0.71)]	ND(0.72)
4-Bromophenyl phenyl ether	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
4-Chloro-3-methylpheno	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
4-Chloroaniline	ND(0.83)	ND(0.69 J)	ND(16 J)	ND(0.85 J)	ND(0.78 J)	ND(0.72)	ND(0.74)	ND(0.81) [ND(0.71)]	ND(0.72)
4-Chlorophenyl phenyl ether	ND(0.83)	ND(0.69)	ND(16)	ND(0.85)	ND(0.78)	ND(0.72)	ND(0.74 J)	ND(0.81) [ND(0.71)]	ND(0.72)
4-Nitroaniline	ND(0.83 J)	ND(0.69)	ND(16)	ND(0.85)	ND(0.78)	ND(0.72)	ND(0.74)	ND(0.81) [ND(0.71)]	ND(0.72)
4-Nitrophenol	ND(0.83)	ND(0.69)	ND(16)	ND(0.85)	ND(0.78)	ND(0.72)	ND(0.74)	ND(0.81) [ND(0.71)]	ND(0.72)
Acenaphthene	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	0.78 J [0.20 J]	ND(0.18)
Acenaphthylene	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
Acetophenone	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
Anthracene	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	0.11 J	1.3 J [0.32 J]	ND(0.18)
Atrazine	ND(0.21)	ND(0.18 J)	ND(4.1 J)	ND(0.21 J)	ND(0.20 J)	ND(0.18 J)	ND(0.19 J)	ND(0.21) [ND(0.18 J)]	ND(0.18)
Benzaldehyde	ND(0.21)	ND(0.18 J)	ND(4.1 J)	ND(0.21 J)	ND(0.20 J)	ND(0.18 J)	ND(0.19)	ND(0.21 J) [ND(0.18 J)]	ND(0.18 J)

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-12-25 11 - 13 04/03/03	RFI-12-26 1 - 3 03/31/03	RFI-12-26 6 - 8 03/31/03	RFI-12-26 9 - 11 03/31/03	RFI-12-26 11 - 13 03/31/03	RFI-12-27 1 - 3 07/24/03	RFI-12-27 3 - 5 07/24/03	RFI-12-28 1 - 3 07/23/03	RFI-12-28 8 - 10 07/23/03
Benzo(a)anthracene	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21 J)	ND(0.20 J)	ND(0.18)	0.18 J	3.0 J [0.82 J]	ND(0.18)
Benzo(a)pyrene	ND(0.21 J)	ND(0.18)	ND(4.1 J)	ND(0.21 J)	ND(0.20 J)	ND(0.18 J)	0.16 J	3.0 J (RDC) [0.94 J]	ND(0.18 J)
Benzo(b)fluoranthene	ND(0.21 J)	ND(0.18)	ND(4.1 J)	ND(0.21 J)	ND(0.20 J)	ND(0.18 J)	0.19 J	3.8 J [1.2 J]	ND(0.18 J)
Benzo(g,h,i)perylene	ND(0.21)	ND(0.18)	ND(4.1 J)	ND(0.21 J)	ND(0.20 J)	ND(0.18 J)	0.087 J	0.89 J [0.37 J]	ND(0.18 J)
Benzo(k)fluoranthene	ND(0.21 J)	ND(0.18)	ND(4.1 J)	ND(0.21 J)	ND(0.20 J)	ND(0.18 J)	0.15 J	2.5 J [0.83 J]	ND(0.18 J)
Biphenyl	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19 J)	ND(0.21) [ND(0.18 J)]	ND(0.18)
bis(2-Chloroethoxy)methane	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
bis(2-Chloroethyl)ether	ND(0.041)	ND(0.034)	ND(0.79)	ND(0.042)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.040) [ND(0.035)]	ND(0.035)
bis(2-Ethylhexyl)phthalate	ND(0.21)	ND(0.18)	ND(4.1 J)	ND(0.21 J)	ND(0.20 J)	0.19	0.072 J	ND(0.21) [ND(0.18)]	ND(0.18)
Butyl benzylphthalate	ND(0.21)	ND(0.18)	ND(4.1 J)	ND(0.21 J)	ND(0.20 J)	0.18 J	0.31	ND(0.21) [ND(0.18)]	ND(0.18)
Caprolactam	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
Carbazole	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19 J)	1.1 J [0.24 J]	ND(0.18)
Chrysene	ND(0.21)	ND(0.18)	3.8 J	ND(0.21 J)	0.17 J	ND(0.18)	0.22	2.9 J [0.89 J]	ND(0.18)
Dibenz(a,h)anthracene	ND(0.21)	ND(0.18 J)	ND(4.1 J)	ND(0.21 J)	ND(0.20 J)	ND(0.18 J)	ND(0.19 J)	0.55 J [0.13 J]	ND(0.18 J)
Dibenzofuran	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	0.44 J [0.12 J]	ND(0.18)
Diethyl phthalate	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19 J)	ND(0.21) [ND(0.18)]	ND(0.18)
Dimethyl phthalate	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
Di-n-butylphthalate	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
Di-n-octyl phthalate	ND(0.21 J)	ND(0.18)	ND(4.1 J)	ND(0.21 J)	ND(0.20 J)	ND(0.18 J)	ND(0.19 J)	ND(0.21) [ND(0.18)]	ND(0.18 J)
Fluoranthene	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	0.46	8.2 D [2.1]	ND(0.18)
Fluorene	ND(0.21)	ND(0.18)	1.7 J	ND(0.21)	0.071 J	ND(0.18)	ND(0.19)	0.67 J [0.17 J]	ND(0.18)
Hexachlorobenzene	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
Hexachlorobutadiene	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
Hexachlorocyclopentadiene	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
Hexachloroethane	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
Indeno(1,2,3-cd)pyrene	ND(0.21)	ND(0.18 J)	ND(4.1 J)	ND(0.21 J)	ND(0.20 J)	ND(0.18 J)	0.079 J	0.99 J [0.39 J]	ND(0.18 J)
Isophorone	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
Methylphenols, Total	ND(0.42)	ND(0.35)	ND(8.2)	ND(0.43)	ND(0.40)	ND(0.37)	ND(0.38)	ND(0.41) [ND(0.36)]	ND(0.36)
Naphthalene	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	0.45 J [0.15 J]	ND(0.18)
Nitrobenzene	ND(0.083)	ND(0.069)	ND(1.6)	ND(0.085)	ND(0.078)	ND(0.072)	ND(0.074)	ND(0.081) [ND(0.071)]	ND(0.072)
N-Nitrosodi-n-propylamine	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
N-Nitrosodiphenylamine	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
Pentachlorophenol	ND(0.83)	ND(0.69)	ND(16)	ND(0.85)	ND(0.78)	ND(0.72)	ND(0.74)	ND(0.81) [ND(0.71)]	ND(0.72)
Phenanthrene	ND(0.21)	ND(0.18)	12	0.17 J	0.30	ND(0.18)	0.39	4.8 J [1.4 J]	ND(0.18)
Phenol	ND(0.21)	ND(0.18)	ND(4.1)	ND(0.21)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.18)]	ND(0.18)
Pyrene	ND(0.21)	ND(0.18)	6.1 J	0.21 J	0.23 J	0.084 J	0.67	7.2 D [1.6]	ND(0.18)
PCB									
Aroclor-1016 (PCB-1016)	ND(0.043)	ND(0.036)	ND(0.13)	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.043) [ND(0.038)]	ND(0.038)
Aroclor-1221 (PCB-1221)	ND(0.043)	ND(0.036)	ND(0.13)	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.043) [ND(0.038)]	ND(0.038)
Aroclor-1232 (PCB-1232)	ND(0.043)	ND(0.036)	ND(0.13)	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.043) [ND(0.038)]	ND(0.038)
Aroclor-1242 (PCB-1242)	ND(0.043)	ND(0.036)	ND(0.13)	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.043) [ND(0.038)]	ND(0.038)
Aroclor-1248 (PCB-1248)	ND(0.043)	ND(0.036)	ND(0.13)	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.043) [ND(0.038)]	ND(0.038)
Aroclor-1254 (PCB-1254)	ND(0.043)	ND(0.036)	ND(0.13)	ND(0.044)	ND(0.041)	0.024 J	0.033 J	ND(0.043) [ND(0.038)]	ND(0.038)
Aroclor-1260 (PCB-1260)	ND(0.043)	ND(0.036)	ND(0.13)	ND(0.044)	ND(0.041)	0.013 J	0.016 J	ND(0.043) [ND(0.038)]	ND(0.038)
Total PCBs	ND(0.043)	ND(0.036)	ND(0.13)	ND(0.044)	ND(0.041)	0.037 J	0.049 J	ND(0.043) [ND(0.038)]	ND(0.038)
Inorganic									
Antimony	ND(0.17 J)	0.046 J	0.061 J	0.013 J	0.11 J	0.023 J	0.063 J	0.033 J [0.028 J]	0.017 J
Arsenic	5.3 J	3.8	7.5	3.8	11 (RDC)	3.1	2.9	6.6 [7.2]	11 (RDC)
Barium	110	11	110	140	81	22	18	32 [35]	94
Beryllium	0.43 J	0.092 J	0.73 J	0.81 J	0.68 J	0.18 J	0.19 J	0.29 J [0.27 J]	0.60 J
Cadmium	0.19	0.090	0.26	0.069	0.12	ND(0.11)	ND(0.14)	ND(0.15) [0.16]	ND(0.014)
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	22	6.0	24	30	20	14	16	12 [14]	22
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	14 J	2.2	7.7	9.1	10	2.5	2.3	4.3 [4.1]	9.3
Copper	10 J	5.2 J	30 J	14 J	17 J	11	17	42 [41]	15
Cyanide (total)	1.3	0.57	ND(0.20)	ND(0.30)	ND(0.20)	ND(0.20)	0.27	ND(0.30) [0.25]	0.30
Lead	8.8 J	3.4	59	12	15	8.3 J	20 J	26 J [47 J]	13 J
Manganese	290	140	350	310	540	190	180	250 [290]	300
Mercury	0.040 J	ND(0.070 J)	0.016 J	0.025 J	0.017 J	ND(0.074)	ND(0.077)	7.8 D [5.3 D]	ND(0.071 J)
Nickel	29 J	9.2	39	24	29	8.6	12	13 [15]	24
Selenium	0.17 J	0.11	0.18	ND(0.080)	0.071	0.040 J	0.048 J	0.072 [0.087]	ND(0.057)
Silver	0.10 J	0.029 J	0.27	0.12 J	0.13 J	0.050 J	0.15	0.28 [0.20]	0.14
Thallium	0.21	0.074 J	0.20	0.22	0.18	0.069 J	0.054 J	0.11 J [0.11 J]	0.25
Vanadium	30 J	9.3	34	46	41	12	9.5	15 [15]	40
Zinc	36 J	21 J	120 J	45 J	32 J	32 J	31 J	44 J [42 J]	44 J

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-12-28 11 - 13 07/23/03	RFI-12-29 0.7 - 2.7 07/24/03	RFI-12-29 4.7 - 6.7 07/24/03	RFI-12-30 0.7 - 2.7 07/24/03	RFI-12-31 0.7 - 2.7 07/25/03	RFI-12-32 0 - 2 07/28/03	RFI-12-33 1 - 2 08/28/03
Miscellaneous							
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA
Total Solids	91	86	84	85	87	92 [93]	90
VOC							
1,1,1-Trichloroethane	ND(0.038)	ND(0.040)	ND(0.041)	0.24	ND(0.040)	ND(0.037) [ND(0.037)]	ND(0.038)
1,1,2,2-Tetrachloroethane	ND(0.077)	ND(0.079)	ND(0.083)	ND(0.082)	ND(0.079)	ND(0.074) [ND(0.074)]	ND(0.076)
1,1,2-Trichloroethane	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.040)	ND(0.037) [ND(0.037)]	ND(0.038)
1,1-Dichloroethane	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.040)	ND(0.037) [ND(0.037)]	ND(0.038)
1,1-Dichloroethene	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.040)	ND(0.037) [ND(0.037)]	ND(0.038)
1,2,4-Trichlorobenzene	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)
1,2-Dichlorobenzene	ND(0.077)	ND(0.079)	ND(0.083)	ND(0.082)	ND(0.079)	ND(0.074) [ND(0.074)]	ND(0.076)
1,2-Dichloroethane	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.040)	ND(0.037) [ND(0.037)]	ND(0.038)
1,2-Dichloropropane	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.040)	ND(0.037) [ND(0.037)]	ND(0.038)
1,3-Dichlorobenzene	ND(0.077)	ND(0.079)	ND(0.083)	ND(0.082)	ND(0.079)	ND(0.074) [ND(0.074)]	ND(0.076)
1,4-Dichlorobenzene	ND(0.077)	ND(0.079)	ND(0.083)	ND(0.082)	ND(0.079)	ND(0.074) [ND(0.074)]	ND(0.076)
2-Butanone (Methyl Ethyl Ketone)	ND(0.33)	ND(0.34 J)	ND(0.35 J)	ND(0.35 J)	ND(0.34 J)	ND(0.32) [ND(0.32)]	0.088 J
2-Hexanone	ND(0.077)	ND(0.079)	ND(0.083)	ND(0.082)	ND(0.079)	ND(0.074) [ND(0.074)]	ND(0.076)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(1.6)	ND(1.7)	ND(1.8)	ND(1.8)	ND(1.7)	ND(1.6) [ND(1.6)]	ND(1.6)
Acetone	ND(0.33)	ND(0.34 J)	0.11 J	0.15 J	0.14 J	ND(0.32) [ND(0.32)]	0.14 J
Benzene	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.040)	ND(0.037) [ND(0.037)]	ND(0.038)
Bromodichloromethane	ND(0.077)	ND(0.079)	ND(0.083)	ND(0.082)	ND(0.079)	ND(0.074) [ND(0.074)]	ND(0.076)
Bromoform	ND(0.077)	ND(0.079)	ND(0.083)	ND(0.082)	ND(0.079)	ND(0.074) [ND(0.074)]	ND(0.076)
Bromomethane (Methyl Bromide)	ND(0.16 J)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.16 J) [ND(0.16 J)]	ND(0.16 J)
Carbon disulfide	ND(0.16)	ND(0.17 J)	ND(0.18 J)	ND(0.18 J)	ND(0.17 J)	ND(0.16) [ND(0.16)]	ND(0.16)
Carbon tetrachloride	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.040)	ND(0.037) [ND(0.037)]	ND(0.038)
Chlorobenzene	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.040)	ND(0.037) [ND(0.037)]	ND(0.038)
Chloroethane	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)
Chloroform (Trichloromethane)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.040)	ND(0.037) [ND(0.037)]	ND(0.038)
Chloromethane (Methyl Chloride)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)
cis-1,2-Dichloroethene	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.040)	ND(0.037) [ND(0.037)]	ND(0.038)
cis-1,3-Dichloropropene	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.040)	ND(0.037) [ND(0.037)]	ND(0.038)
Cyclohexane	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)
Dibromochloromethane	ND(0.077)	ND(0.079)	ND(0.083)	ND(0.082)	ND(0.079)	ND(0.074) [ND(0.074)]	ND(0.076)
Dichlorodifluoromethane (CFC-12)	ND(0.077)	ND(0.079)	ND(0.083)	ND(0.082)	ND(0.079)	ND(0.074) [ND(0.074)]	ND(0.076)
Ethylbenzene	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.041)	0.030 J	ND(0.037) [ND(0.037)]	0.062
Isopropylbenzene	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)
m&p-Xylene	ND(0.077)	ND(0.079)	ND(0.083)	ND(0.082)	0.089	ND(0.074) [ND(0.074)]	0.86
Methyl acetate	ND(0.16)	0.037 J	0.065 J	0.087 J	0.10 J	ND(0.16) [ND(0.16)]	0.25
Methyl cyclohexane	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.16) [ND(0.16)]	0.034 J
Methyl Tert Butyl Ether	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)
Methylene chloride	ND(0.16)	0.074 J	0.067 J	0.089 J	0.058 J	0.047 J [0.060 J]	ND(0.16 J)
o-Xylene	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.041)	0.029 J	ND(0.037) [ND(0.037)]	0.31
Styrene	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.040)	ND(0.037) [ND(0.037)]	ND(0.038)
Tetrachloroethene	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.040)	ND(0.037) [ND(0.037)]	ND(0.038)
Toluene	ND(0.077)	ND(0.079)	ND(0.083)	ND(0.082)	0.042 J	ND(0.074) [ND(0.074)]	0.032 J
trans-1,2-Dichloroethene	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.040)	ND(0.037) [ND(0.037)]	ND(0.038)
trans-1,3-Dichloropropene	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.040)	ND(0.037) [ND(0.037)]	ND(0.038)
Trichloroethene	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.040)	ND(0.037) [ND(0.037)]	ND(0.038)
Trichlorofluoromethane (CFC-11)	ND(0.077)	ND(0.079)	ND(0.083)	ND(0.082)	ND(0.079)	ND(0.074) [ND(0.074)]	ND(0.076)
Trifluorotrichloroethane (Freon 113)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)
Vinyl chloride	ND(0.077)	ND(0.079)	ND(0.083)	ND(0.082)	ND(0.079)	ND(0.074) [ND(0.074)]	ND(0.076)
Xylenes (total)	ND(0.077)	ND(0.079)	ND(0.083)	ND(0.082)	0.12 J	ND(0.074) [ND(0.074)]	1.2
SVOC							
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
2,4,5-Trichlorophenol	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
2,4,6-Trichlorophenol	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
2,4-Dichlorophenol	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
2,4-Dimethylphenol	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
2,4-Dinitrophenol	ND(0.74)	ND(0.78)	ND(0.80)	ND(0.79)	ND(0.77)	ND(0.73) [ND(0.72)]	ND(0.74)
2,4-Dinitrotoluene	ND(0.74)	ND(0.78)	ND(0.80)	ND(0.79)	ND(0.77)	ND(0.73) [ND(0.72)]	ND(0.74)
2,6-Dinitrotoluene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
2-Chloronaphthalene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
2-Chlorophenol	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
2-Methylnaphthalene	0.60	ND(0.20)	ND(0.20)	ND(0.20)	0.13 J	ND(0.19) [ND(0.18)]	0.070 J
2-Methylphenol	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
2-Nitroaniline	ND(0.74)	ND(0.78 J)	ND(0.80 J)	ND(0.79 J)	ND(0.77)	ND(0.73) [ND(0.72)]	ND(0.74)
2-Nitrophenol	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
3&4-Methylphenol	ND(0.38 J)	ND(0.39)	ND(0.40 J)	ND(0.40 J)	ND(0.39 J)	ND(0.37 J) [ND(0.37 J)]	ND(0.38 J)
3,3'-Dichlorobenzidine	ND(0.74)	ND(0.78)	ND(0.80)	ND(0.79)	ND(0.77)	ND(0.73) [ND(0.72)]	ND(0.74)
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ND(0.74)	ND(0.78)	ND(0.80)	ND(0.79)	ND(0.77)	ND(0.73) [ND(0.72)]	ND(0.74)
4,6-Dinitro-2-methylpheno	ND(0.74)	ND(0.78)	ND(0.80)	ND(0.79)	ND(0.77)	ND(0.73) [ND(0.72)]	ND(0.74)
4-Bromophenyl phenyl ether	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
4-Chloro-3-methylpheno	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
4-Chloroaniline	ND(0.74)	ND(0.78)	ND(0.80)	ND(0.79)	ND(0.77)	ND(0.73) [ND(0.72)]	ND(0.74)
4-Chlorophenyl phenyl ether	ND(0.74)	ND(0.78)	ND(0.80)	ND(0.79)	ND(0.77 J)	ND(0.73) [ND(0.72)]	ND(0.74)
4-Nitroaniline	ND(0.74)	ND(0.78)	ND(0.80)	ND(0.79)	ND(0.77)	ND(0.73) [ND(0.72)]	ND(0.74)
4-Nitrophenol	ND(0.74)	ND(0.78)	ND(0.80)	ND(0.79)	ND(0.77)	ND(0.73) [ND(0.72)]	ND(0.74)
Acenaphthene	0.053 J	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	0.063 J [0.10 J]	0.074 J
Acenaphthylene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	0.074 J	ND(0.19) [ND(0.18)]	ND(0.19)
Acetophenone	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
Anthracene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	0.13 J [0.30 J]	0.11 J
Atrazine	ND(0.19)	ND(0.20 J)	ND(0.20 J)	ND(0.20 J)	ND(0.19 J)	ND(0.19 J) [ND(0.18)]	ND(0.19)
Benzaldehyde	ND(0.19 J)	ND(0.20 J)	ND(0.20 J)	ND(0.20 J)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-12-28 11 - 13 07/23/03	RFI-12-29 0.7 - 2.7 07/24/03	RFI-12-29 4.7 - 6.7 07/24/03	RFI-12-30 0.7 - 2.7 07/24/03	RFI-12-31 0.7 - 2.7 07/25/03	RFI-12-32 0 - 2 07/28/03	RFI-12-33 1 - 2 08/28/03
Benzo(a)anthracene	ND(0.19)	ND(0.20)	ND(0.20)	0.091 J	0.15 J	0.33 J [0.68 J]	0.36
Benzo(a)pyrene	ND(0.19 J)	ND(0.20)	ND(0.20)	0.13 J	0.18 J	0.35 J [0.72 J]	0.33 J
Benzo(b)fluoranthene	ND(0.19 J)	ND(0.20)	ND(0.20)	0.10 J	0.19 J	0.39 J [0.84 J]	0.46 J
Benzo(g,h,i)perylene	ND(0.19 J)	ND(0.20)	ND(0.20)	ND(0.20 J)	0.32 J	ND(0.19) [0.34]	0.17 J
Benzo(k)fluoranthene	ND(0.19 J)	ND(0.20)	ND(0.20)	0.094 J	0.16 J	0.39 [0.65]	0.41 J
Biphenyl	0.12 J	ND(0.20 J)	ND(0.20 J)	ND(0.20 J)	ND(0.19 J)	ND(0.19) [ND(0.18)]	ND(0.19)
bis(2-Chloroethoxy)methane	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
bis(2-Chloroethyl)ether	ND(0.036)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.036) [ND(0.035)]	ND(0.036)
bis(2-Ethylhexyl)phthalate	ND(0.19)	ND(0.20)	0.080 J	ND(0.20)	0.092 J	ND(0.19) [0.15 J]	0.51
Butyl benzylphthalate	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19 J)	ND(0.19) [0.087 J]	ND(0.19)
Caprolactam	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
Carbazole	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19 J)	0.073 J [0.15 J]	ND(0.19)
Chrysene	ND(0.19)	ND(0.20)	ND(0.20)	0.17 J	0.47 J	0.38 J [0.74 J]	0.44
Dibenz(a,h)anthracene	ND(0.19 J)	ND(0.20)	ND(0.20)	ND(0.20 J)	ND(0.19 J)	ND(0.19) [ND(0.18)]	ND(0.19 J)
Dibenzofuran	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	0.096 J
Diethyl phthalate	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19 J)	ND(0.19) [ND(0.18)]	ND(0.19)
Dimethyl phthalate	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
Di-n-butylphthalate	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
Di-n-octyl phthalate	ND(0.19 J)	ND(0.20)	ND(0.20)	ND(0.20 J)	ND(0.19 J)	ND(0.19) [ND(0.18)]	ND(0.19 J)
Fluoranthene	0.15 J	0.11 J	ND(0.20)	0.16 J	0.18 J	0.79 J [1.6 J]	0.84
Fluorene	0.095 J	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [0.11 J]	ND(0.19)
Hexachlorobenzene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
Hexachlorobutadiene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
Hexachlorocyclopentadiene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
Hexachloroethane	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
Indeno(1,2,3-cd)pyrene	ND(0.19 J)	ND(0.20)	ND(0.20)	ND(0.20 J)	0.14 J	ND(0.19) [0.32]	0.15 J
Isophorone	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
Methylphenols, Total	ND(0.38)	ND(0.39)	ND(0.40)	ND(0.40)	ND(0.39)	ND(0.37) [ND(0.37)]	ND(0.38)
Naphthalene	0.16 J	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	0.060 J
Nitrobenzene	ND(0.074)	ND(0.078)	ND(0.080)	ND(0.079)	ND(0.077)	ND(0.073) [ND(0.072)]	ND(0.074)
N-Nitrosodi-n-propylamine	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
N-Nitrosodiphenylamine	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
Pentachlorophenol	ND(0.74)	ND(0.78)	ND(0.80)	ND(0.79)	ND(0.77)	ND(0.73) [ND(0.72)]	ND(0.74)
Phenanthrene	0.25	0.082 J	ND(0.20)	0.24	0.32	0.50 J [1.1 J]	0.82
Phenol	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.18)]	ND(0.19)
Pyrene	0.19	0.086 J	ND(0.20)	0.23	0.66 J	0.79 J [1.8 J]	1.0
PCB							
Aroclor-1016 (PCB-1016)	ND(0.039)	ND(0.040)	ND(0.042)	ND(0.041)	ND(0.040)	ND(0.038) [ND(0.038)]	ND(0.039)
Aroclor-1221 (PCB-1221)	ND(0.039)	ND(0.040)	ND(0.042)	ND(0.041)	ND(0.040)	ND(0.038) [ND(0.038)]	ND(0.039)
Aroclor-1232 (PCB-1232)	ND(0.039)	ND(0.040)	ND(0.042)	ND(0.041)	ND(0.040)	ND(0.038) [ND(0.038)]	ND(0.039)
Aroclor-1242 (PCB-1242)	ND(0.039)	ND(0.040)	ND(0.042)	ND(0.041)	ND(0.040)	ND(0.038) [ND(0.038)]	ND(0.039)
Aroclor-1248 (PCB-1248)	ND(0.039)	ND(0.040)	ND(0.042)	ND(0.041)	ND(0.040)	ND(0.038) [ND(0.038)]	ND(0.039)
Aroclor-1254 (PCB-1254)	ND(0.039)	ND(0.040)	ND(0.042)	ND(0.041)	ND(0.040)	0.027 J [0.060 J]	ND(0.039)
Aroclor-1260 (PCB-1260)	ND(0.039)	ND(0.040)	ND(0.042)	ND(0.041)	ND(0.040)	0.057 [0.061]	ND(0.039)
Total PCBs	ND(0.039)	ND(0.040)	ND(0.042)	ND(0.041)	ND(0.040)	0.084 J [0.12 J]	ND(0.039)
Inorganic							
Antimony	0.011 J	0.044 J	0.18 J	0.40 J	190 J (RDC)	0.053 J [0.062 J]	0.19 J
Arsenic	5.4	4.2	5.4	8.1 (RDC)	13 (RDC)	3.8 [3.0]	6.9 J
Barium	63	25	65	550	1,000	26 [21]	480
Beryllium	0.51 J	0.29 J	0.26 J	0.67 J	0.33 J	0.15 J [0.13 J]	0.66 J
Cadmium	ND(0.016)	0.26	1.0	0.95	7.5	0.23 [ND(0.16)]	0.74
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA
Chromium Total	18	8.7	11	360 (IPSC,RPSIC)	120	9.5 [6.9]	99 J
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA
Cobalt	7.8	3.3	4.9	8.6	6.5	2.9 J [2.5 J]	5.6 J
Copper	11	94	320	720	720	13 J [9.7 J]	190 J
Cyanide (total)	0.36	ND(0.20)	ND(0.20)	0.33	0.25	2.0 [ND(9.0)]	0.38 J
Lead	8.4 J	43 J	290 J	730 J (RDC)	10,000 J (IDC,RDC)	15 [8.8]	850 (RDC)
Manganese	370	150	130	550	520	240 [180]	430
Mercury	ND(0.070 J)	ND(0.079)	0.085	0.18	0.54 D	0.0075 J [0.0073 J]	0.12
Nickel	19	9.8	12	70	88	12 J [7.2 J]	37 J
Selenium	0.046 J	0.077	0.078	0.18	0.25	0.11 J [0.055 J]	0.11
Silver	0.099 J	0.081 J	0.12 J	0.26	0.91	0.044 J [0.036 J]	0.49
Thallium	0.19	0.087 J	0.098 J	0.11 J	0.088 J	0.066 J [0.064 J]	0.14 J
Vanadium	30	14	17	100	17	12 [11]	40 J
Zinc	36 J	63 J	240 J	250 J	320 J	45 J [38 J]	200 J

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-12-33 2.5 - 4.5 08/28/03	RFI-12-34 0.8 - 2.8 08/28/03	RFI-12-34 2.8 - 4.8 08/28/03	RFI-12-34 4.8 - 6.8 08/28/03	RFI-12-35 3 - 4 08/29/03	RFI-16-24 1 - 3 02/18/03	RFI-16-24 5 - 7 02/18/03	RFI-16-25 1 - 3 02/18/03
Miscellaneous								
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	88	95	90	92	84 [85]	NA	NA	NA
VOC								
1,1,1-Trichloroethane	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.040)]	ND(0.034)	ND(0.033)	ND(0.035)
1,1,2,2-Tetrachloroethane	ND(0.078)	ND(0.076)	ND(0.076)	ND(0.075)	ND(0.081) [ND(0.080)]	ND(0.067)	ND(0.067)	ND(0.070)
1,1,2-Trichloroethane	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.040)]	ND(0.034)	ND(0.033)	ND(0.035)
1,1-Dichloroethane	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.040)]	ND(0.034 J)	ND(0.033 J)	ND(0.035 J)
1,1-Dichloroethene	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.040)]	ND(0.034)	ND(0.033)	ND(0.035)
1,2,4-Trichlorobenzene	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.14)	ND(0.14)	ND(0.15)
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.14)	ND(0.14)	ND(0.15)
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.14)	ND(0.14)	ND(0.15)
1,2-Dichlorobenzene	ND(0.078)	ND(0.076)	ND(0.076)	ND(0.075)	ND(0.081) [ND(0.080)]	ND(0.067)	ND(0.067)	ND(0.070)
1,2-Dichloroethane	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.040)]	ND(0.034)	ND(0.033)	ND(0.035)
1,2-Dichloropropane	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.040)]	ND(0.034)	ND(0.033)	ND(0.035)
1,3-Dichlorobenzene	ND(0.078)	ND(0.076)	ND(0.076)	ND(0.075)	ND(0.081) [ND(0.080)]	ND(0.067)	ND(0.067)	ND(0.070)
1,4-Dichlorobenzene	ND(0.078)	ND(0.076)	ND(0.076)	ND(0.075)	ND(0.081) [ND(0.080)]	ND(0.067)	ND(0.067)	ND(0.070)
2-Butanone (Methyl Ethyl Ketone)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.32)	ND(0.35) [ND(0.34)]	0.045 J	0.030 J	0.033 J
2-Hexanone	ND(0.078)	ND(0.076)	ND(0.076)	ND(0.075)	ND(0.081) [ND(0.080)]	ND(0.067)	ND(0.067)	ND(0.070)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.14)	ND(0.14)	ND(0.15)
Acetone	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.32)	ND(0.35) [ND(0.34)]	ND(0.29)	0.050 J	ND(0.30)
Benzene	0.043	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.040)]	ND(0.034)	ND(0.033)	ND(0.035)
Bromodichloromethane	ND(0.078)	ND(0.076)	ND(0.076)	ND(0.075)	ND(0.081) [ND(0.080)]	ND(0.067)	ND(0.067)	ND(0.070)
Bromoform	ND(0.078)	ND(0.076)	ND(0.076)	ND(0.075)	ND(0.081) [ND(0.080)]	ND(0.067)	ND(0.067)	ND(0.070)
Bromomethane (Methyl Bromide)	ND(0.17 J)	ND(0.16 J)	ND(0.16 J)	ND(0.16 J)	ND(0.17 J) [ND(0.17 J)]	ND(0.14 J)	ND(0.14 J)	ND(0.15 J)
Carbon disulfide	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.14)	ND(0.14)	ND(0.15)
Carbon tetrachloride	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.040)]	ND(0.034)	ND(0.033)	ND(0.035)
Chlorobenzene	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.040)]	ND(0.034)	ND(0.033)	ND(0.035)
Chloroethane	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.14)	ND(0.14)	ND(0.15)
Chloroform (Trichloromethane)	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.040)]	ND(0.034)	ND(0.033)	ND(0.035)
Chloromethane (Methyl Chloride)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.14)	ND(0.14)	ND(0.15)
cis-1,2-Dichloroethene	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.040)]	ND(0.034)	ND(0.033)	ND(0.035)
cis-1,3-Dichloropropene	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.040)]	ND(0.034)	ND(0.033)	ND(0.035)
Cyclohexane	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	0.12 J [0.38 J]	ND(0.14)	ND(0.14)	ND(0.15)
Dibromochloromethane	ND(0.078)	ND(0.076)	ND(0.076)	ND(0.075)	ND(0.081) [ND(0.080)]	ND(0.067)	ND(0.067)	ND(0.070)
Dichlorodifluoromethane (CFC-12)	ND(0.078)	ND(0.076)	ND(0.076)	ND(0.075)	ND(0.081) [ND(0.080)]	ND(0.067)	ND(0.067)	ND(0.070)
Ethylbenzene	0.34	ND(0.038)	ND(0.038)	ND(0.037)	0.061 [0.051]	ND(0.034)	ND(0.033)	ND(0.035)
Isopropylbenzene	0.032 J	ND(0.16)	ND(0.16)	ND(0.16)	0.17 J [0.23]	ND(0.14)	ND(0.14)	ND(0.15)
m&p-Xylene	5.8	ND(0.076)	ND(0.076)	0.054 J	0.36 J [0.64 J]	ND(0.067)	0.031 J	ND(0.070)
Methyl acetate	0.092 J	1.8	1.2	0.18	0.058 J [ND(0.17)]	ND(0.14)	ND(0.14)	ND(0.15)
Methyl cyclohexane	0.056 J	ND(0.16)	ND(0.16)	ND(0.16)	0.65 J [1.6 J]	ND(0.14)	0.058 J	ND(0.15)
Methyl Tert Butyl Ether	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.14)	ND(0.14)	ND(0.15)
Methylene chloride	ND(0.17 J)	ND(0.16 J)	ND(0.16 J)	ND(0.16 J)	ND(0.17 J) [ND(0.17 J)]	0.036 J	0.037 J	0.035 J
o-Xylene	1.9	ND(0.038)	ND(0.038)	ND(0.037)	0.052 J [0.093 J]	ND(0.034)	ND(0.033)	ND(0.035)
Styrene	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.040)]	ND(0.034)	ND(0.033)	ND(0.035)
Tetrachloroethene	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.040)]	ND(0.034)	ND(0.033)	ND(0.035)
Toluene	0.28	ND(0.076)	ND(0.076)	0.022 J	0.027 J [ND(0.080)]	ND(0.067)	0.026 J	ND(0.070)
trans-1,2-Dichloroethene	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.040)]	ND(0.034)	ND(0.033)	ND(0.035)
trans-1,3-Dichloropropene	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.040)]	ND(0.034)	ND(0.033)	ND(0.035)
Trichloroethene	ND(0.039)	ND(0.038)	ND(0.038)	0.044	ND(0.041) [ND(0.040)]	ND(0.034)	ND(0.033)	ND(0.035)
Trichlorofluoromethane (CFC-11)	ND(0.078)	ND(0.076)	ND(0.076)	ND(0.075)	ND(0.081) [ND(0.080)]	ND(0.067)	ND(0.067)	ND(0.070)
Trifluorotrichloroethane (Freon 113)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.14)	ND(0.14)	ND(0.15)
Vinyl chloride	ND(0.078)	ND(0.076)	ND(0.076)	ND(0.075)	ND(0.081) [ND(0.080)]	ND(0.067)	ND(0.067)	ND(0.070)
Xylenes (total)	7.7	ND(0.076)	ND(0.076)	0.054 J	0.41 J [0.73 J]	ND(0.067)	0.031 J	ND(0.070)
SVOC								
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
2,4,5-Trichlorophenol	ND(0.96)	R	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
2,4,6-Trichlorophenol	ND(0.96)	R	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
2,4-Dichlorophenol	ND(0.96)	R	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
2,4-Dimethylphenol	ND(0.96)	R	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
2,4-Dinitrophenol	ND(3.8)	R	ND(0.74)	ND(0.72)	ND(0.79) [ND(3.9)]	NA	NA	NA
2,4-Dinitrotoluene	ND(3.8)	ND(0.70)	ND(0.74)	ND(0.72)	ND(0.79) [ND(3.9)]	NA	NA	NA
2,6-Dinitrotoluene	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
2-Chloronaphthalene	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
2-Chlorophenol	ND(0.96)	R	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
2-Methylnaphthalene	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	1.1 [1.6]	NA	NA	NA
2-Methylphenol	ND(0.96)	R	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
2-Nitroaniline	ND(3.8)	ND(0.70)	ND(0.74)	ND(0.72)	ND(0.79) [ND(3.9)]	NA	NA	NA
2-Nitrophenol	ND(0.96)	R	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
3&4-Methylphenol	ND(1.9 J)	R	ND(0.38 J)	ND(0.37 J)	ND(0.40 J) [ND(2.0 J)]	NA	NA	NA
3,3'-Dichlorobenzidine	ND(3.8)	ND(0.70)	ND(0.74)	ND(0.72)	ND(0.79) [ND(3.9)]	NA	NA	NA
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ND(3.8)	ND(0.70 J)	ND(0.74 J)	ND(0.72 J)	ND(0.79 J) [ND(3.9 J)]	NA	NA	NA
4,6-Dinitro-2-methylpheno	ND(3.8)	R	ND(0.74)	ND(0.72)	ND(0.79) [ND(3.9)]	NA	NA	NA
4-Bromophenyl phenyl ether	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
4-Chloro-3-methylpheno	ND(0.96)	R	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
4-Chloroaniline	ND(3.8)	ND(0.70)	ND(0.74)	ND(0.72)	ND(0.79) [ND(3.9)]	NA	NA	NA
4-Chlorophenyl phenyl ether	ND(3.8)	ND(0.70)	ND(0.74)	ND(0.72)	ND(0.79) [ND(3.9)]	NA	NA	NA
4-Nitroaniline	ND(3.8)	ND(0.70 J)	ND(0.74 J)	ND(0.72 J)	ND(0.79 J) [ND(3.9 J)]	NA	NA	NA
4-Nitrophenol	ND(3.8)	R	ND(0.74)	ND(0.72)	ND(0.79) [ND(3.9)]	NA	NA	NA
Acenaphthene	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
Acenaphthylene	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
Acetophenone	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
Anthracene	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
Atrazine	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
Benzaldehyde	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-12-33 2.5 - 4.5 08/28/03	RFI-12-34 0.8 - 2.8 08/28/03	RFI-12-34 2.8 - 4.8 08/28/03	RFI-12-34 4.8 - 6.8 08/28/03	RFI-12-35 3 - 4 08/29/03	RFI-16-24 1 - 3 02/18/03	RFI-16-24 5 - 7 02/18/03	RFI-16-25 1 - 3 02/18/03
Benzo(a)anthracene	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
Benzo(a)pyrene	0.41 J	ND(0.18)	ND(0.19)	ND(0.18)	0.094 J [ND(0.99)]	NA	NA	NA
Benzo(b)fluoranthene	0.44 J	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20 J) [ND(0.99)]	NA	NA	NA
Benzo(g,h,i)perylene	0.36 J	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20 J) [ND(0.99)]	NA	NA	NA
Benzo(k)fluoranthene	ND(0.96 J)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20 J) [ND(0.99)]	NA	NA	NA
Biphenyl	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
bis(2-Chloroethoxy)methane	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
bis(2-Chloroethyl)ether	ND(0.19)	ND(0.034)	ND(0.037)	ND(0.035)	ND(0.039) [ND(0.19)]	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	0.14 J [ND(0.99)]	NA	NA	NA
Butyl benzylphthalate	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
Caprolactam	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
Carbazole	ND(0.96)	ND(0.18 J)	ND(0.19 J)	ND(0.18 J)	ND(0.20 J) [ND(0.99 J)]	NA	NA	NA
Chrysene	0.41 J	ND(0.18)	0.074 J	ND(0.18)	0.15 J [ND(0.99)]	NA	NA	NA
Dibenz(a,h)anthracene	ND(0.96 J)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20 J) [ND(0.99)]	NA	NA	NA
Dibenzofuran	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	0.088 J [ND(0.99)]	NA	NA	NA
Diethyl phthalate	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
Dimethyl phthalate	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
Di-n-butylphthalate	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
Di-n-octyl phthalate	ND(0.96 J)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20 J) [ND(0.99)]	NA	NA	NA
Fluoranthene	0.44 J	0.079 J	0.14 J	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
Fluorene	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	0.18 J [ND(0.99)]	NA	NA	NA
Hexachlorobenzene	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
Hexachlorobutadiene	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
Hexachlorocyclopentadiene	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
Hexachloroethane	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ND(0.96 J)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20 J) [ND(0.99)]	NA	NA	NA
Isophorone	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
Methylphenols, Total	ND(1.9)	R	ND(0.38)	ND(0.37)	ND(0.40) [ND(2.0)]	NA	NA	NA
Naphthalene	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	0.19 J [ND(0.99)]	NA	NA	NA
Nitrobenzene	ND(0.38)	ND(0.070)	ND(0.074)	ND(0.072)	ND(0.079) [ND(0.39)]	NA	NA	NA
N-Nitrosodi-n-propylamine	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
N-Nitrosodiphenylamine	ND(0.96)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
Pentachlorophenol	ND(3.8)	R	ND(0.74)	ND(0.72)	ND(0.79) [ND(3.9)]	NA	NA	NA
Phenanthrene	ND(0.96)	ND(0.18)	0.10 J	ND(0.18)	1.1 [1.5]	NA	NA	NA
Phenol	ND(0.96)	R	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.99)]	NA	NA	NA
Pyrene	0.79 J	ND(0.18)	0.11 J	ND(0.18)	0.18 J [ND(0.99)]	NA	NA	NA
PCB								
Aroclor-1016 (PCB-1016)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.038)	ND(0.042) [ND(0.041)]	NA	NA	NA
Aroclor-1221 (PCB-1221)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.038)	ND(0.042) [ND(0.041)]	NA	NA	NA
Aroclor-1232 (PCB-1232)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.038)	ND(0.042) [ND(0.041)]	NA	NA	NA
Aroclor-1242 (PCB-1242)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.038)	ND(0.042) [ND(0.041)]	NA	NA	NA
Aroclor-1248 (PCB-1248)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.038)	ND(0.042) [ND(0.041)]	NA	NA	NA
Aroclor-1254 (PCB-1254)	ND(0.040)	0.032 J	0.028 J	0.021 J	ND(0.042) [ND(0.041)]	NA	NA	NA
Aroclor-1260 (PCB-1260)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.038)	ND(0.042) [ND(0.041)]	NA	NA	NA
Total PCBs	ND(0.040)	0.032 J	0.028 J	0.021 J	ND(0.042) [ND(0.041)]	NA	NA	NA
Inorganic								
Antimony	0.19 J	0.067 J	R	0.018 J	R [R]	NA	NA	NA
Arsenic	6.6 J	5.0 J	4.5 J	7.7 J (RDC)	11 J (RDC) [7.2 J]	NA	NA	NA
Barium	58	38	88	160	100 [72]	NA	NA	NA
Beryllium	0.54 J	0.17 J	0.51 J	0.56 J	0.74 J [0.51 J]	NA	NA	NA
Cadmium	1.0	0.54	0.19	0.45	ND(0.13) [0.36]	NA	NA	NA
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	210 J	44 J	25 J	64 J	29 J [21 J]	NA	NA	NA
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	5.2 J	2.7 J	7.3 J	8.7 J	11 J [9.4 J]	NA	NA	NA
Copper	510 J	25 J	25 J	68 J	18 J [16 J]	NA	NA	NA
Cyanide (total)	0.32 J	0.28 J	0.37 J	0.23 J	0.49 J [0.34 J]	NA	NA	NA
Lead	260	14	47	53	15 [13]	NA	NA	NA
Manganese	340	220	520	2,200 (IPSC)	420 [260]	NA	NA	NA
Mercury	0.060 J	0.043 J	0.48	0.061 J	0.022 J [0.012 J]	NA	NA	NA
Nickel	19 J	13 J	21 J	28 J	25 J [21 J]	NA	NA	NA
Selenium	0.27	0.10	0.12	0.20 J	0.097 J [0.36 J]	NA	NA	NA
Silver	0.24	0.54	0.14	0.26	0.12 J [0.12 J]	NA	NA	NA
Thallium	0.12 J	0.056 J	0.16	0.22	0.31 [0.23]	NA	NA	NA
Vanadium	51 J	17 J	27 J	31 J	46 J [33 J]	NA	NA	NA
Zinc	190 J	48 J	45 J	72 J	49 J [85 J]	NA	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-16-25 8 - 10 02/18/03	RFI-36-47 0 - 2 10/15/02	RFI-36-47 8 - 10 10/15/02	RFI-36-47 10 - 12 10/15/02	RFI-36-48 0 - 2 10/15/02	RFI-36-48 6 - 8 10/15/02	RFI-36-48 8 - 10 10/15/02	RFI-36-48 14 - 16 10/15/02	RFI-36-49 1 - 3 04/05/03
Miscellaneous									
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	NA	88	97	88	96	78	91	86	96
VOC									
1,1,1-Trichloroethane	ND(0.034)	ND(0.038)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.043)	ND(0.037)	ND(0.040)	ND(0.037)
1,1,2,2-Tetrachloroethane	ND(0.068)	ND(0.077)	ND(0.071)	ND(0.078)	ND(0.071)	ND(0.086)	ND(0.075)	ND(0.081)	ND(0.073)
1,1,2-Trichloroethane	ND(0.034)	ND(0.038)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.043)	ND(0.037)	ND(0.040)	ND(0.037)
1,1-Dichloroethane	ND(0.034 J)	ND(0.038)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.043)	ND(0.037)	ND(0.040)	0.036 J
1,1-Dichloroethene	ND(0.034)	ND(0.038)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.043)	ND(0.037)	ND(0.040)	ND(0.037)
1,2,4-Trichlorobenzene	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.15)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.15)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.15)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)
1,2-Dichlorobenzene	ND(0.068)	ND(0.077)	ND(0.071)	ND(0.078)	ND(0.071)	ND(0.086)	ND(0.075)	ND(0.081)	ND(0.073)
1,2-Dichloroethane	ND(0.034)	ND(0.038)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.043)	ND(0.037)	ND(0.040)	ND(0.037)
1,2-Dichloropropane	ND(0.034)	ND(0.038)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.043)	ND(0.037)	ND(0.040)	ND(0.037)
1,3-Dichlorobenzene	ND(0.068)	ND(0.077)	ND(0.071)	ND(0.078)	ND(0.071)	ND(0.086)	ND(0.075)	ND(0.081)	ND(0.073)
1,4-Dichlorobenzene	ND(0.068)	ND(0.077)	ND(0.071)	ND(0.078)	ND(0.071)	ND(0.086)	ND(0.075)	ND(0.081)	ND(0.073)
2-Butanone (Methyl Ethyl Ketone)	ND(0.29 J)	ND(0.27)	ND(0.25)	ND(0.28)	ND(0.25)	ND(0.31)	ND(0.27)	ND(0.29)	ND(0.31 J)
2-Hexanone	ND(0.068)	ND(0.27)	ND(0.25)	ND(0.28)	ND(0.25)	ND(0.31)	ND(0.27)	ND(0.29)	ND(0.073)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(1.5)	ND(0.27)	ND(0.25)	ND(0.28)	ND(0.25)	ND(0.31)	ND(0.27)	ND(0.29)	ND(1.6)
Acetone	0.055 J	ND(0.27)	ND(0.25)	ND(0.28)	ND(0.25)	ND(0.31)	ND(0.27)	ND(0.29)	ND(0.31)
Benzene	ND(0.034)	ND(0.038)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.043)	ND(0.037)	ND(0.040)	ND(0.037)
Bromodichloromethane	ND(0.068)	ND(0.077)	ND(0.071)	ND(0.078)	ND(0.071)	ND(0.086)	ND(0.075)	ND(0.081)	ND(0.073)
Bromoform	ND(0.068)	ND(0.077)	ND(0.071)	ND(0.078)	ND(0.071)	ND(0.086)	ND(0.075)	ND(0.081)	ND(0.073)
Bromomethane (Methyl Bromide)	ND(0.15 J)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.15)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)
Carbon disulfide	ND(0.15)	ND(0.16 J)	ND(0.15)	ND(0.17)	ND(0.15)	ND(0.18)	ND(0.16 J)	ND(0.17 J)	ND(0.16)
Carbon tetrachloride	ND(0.034)	ND(0.038)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.043)	ND(0.037)	ND(0.040)	ND(0.037)
Chlorobenzene	ND(0.034)	ND(0.038)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.043)	ND(0.037)	ND(0.040)	ND(0.037)
Chloroethane	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.15)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)
Chloroform (Trichloromethane)	ND(0.034)	ND(0.038)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.043)	ND(0.037)	ND(0.040)	ND(0.037)
Chloromethane (Methyl Chloride)	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.15)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)
cis-1,2-Dichloroethene	ND(0.034)	ND(0.038)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.043)	ND(0.037)	ND(0.040)	ND(0.037)
cis-1,3-Dichloropropene	ND(0.034)	ND(0.038)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.043)	ND(0.037)	ND(0.040)	ND(0.037)
Cyclohexane	ND(0.15)	0.10 J	0.035 J	ND(0.17)	ND(0.15)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)
Dibromochloromethane	ND(0.068)	ND(0.077)	ND(0.071)	ND(0.078)	ND(0.071)	ND(0.086)	ND(0.075)	ND(0.081)	ND(0.073)
Dichlorodifluoromethane (CFC-12)	ND(0.068)	ND(0.077)	ND(0.071)	ND(0.078)	ND(0.071)	ND(0.086)	ND(0.075)	ND(0.081)	ND(0.073)
Ethylbenzene	ND(0.034)	0.035 J	0.026 J	ND(0.039)	ND(0.036)	ND(0.043)	ND(0.037)	ND(0.040)	ND(0.037)
Isopropylbenzene	ND(0.15)	0.045 J	ND(0.15)	ND(0.17)	ND(0.15)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)
m&p-Xylene	ND(0.068)	0.14	0.19	ND(0.078)	ND(0.071)	ND(0.086)	ND(0.075)	ND(0.081)	ND(0.073)
Methyl acetate	0.055 J	ND(0.16)	0.094 J	ND(0.17)	0.34	ND(0.18)	ND(0.16)	ND(0.17)	0.060 J
Methyl cyclohexane	ND(0.15)	0.36	0.21	ND(0.17)	ND(0.15)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)
Methyl Tert Butyl Ether	ND(0.15)	ND(0.27)	ND(0.25)	ND(0.28)	ND(0.25)	ND(0.31)	ND(0.27)	ND(0.29)	ND(0.16)
Methylene chloride	0.041 J	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.15 J)	ND(0.18 J)	ND(0.16)	ND(0.17)	0.15 J
o-Xylene	ND(0.034)	0.16	0.15	ND(0.039)	ND(0.036)	ND(0.043)	ND(0.037)	ND(0.040)	ND(0.037)
Styrene	ND(0.034)	ND(0.038)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.043)	ND(0.037)	ND(0.040)	ND(0.037)
Tetrachloroethene	ND(0.034)	ND(0.038)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.043)	ND(0.037)	ND(0.040)	ND(0.037)
Toluene	ND(0.068)	0.092	0.054	ND(0.039)	ND(0.036)	ND(0.043)	ND(0.037)	ND(0.040)	ND(0.073)
trans-1,2-Dichloroethene	ND(0.034)	ND(0.038)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.043)	ND(0.037)	ND(0.040)	ND(0.037)
trans-1,3-Dichloropropene	ND(0.034)	ND(0.038)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.043)	ND(0.037)	ND(0.040)	ND(0.037)
Trichloroethene	ND(0.034)	ND(0.038)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.043)	ND(0.037)	ND(0.040)	ND(0.037)
Trichlorofluoromethane (CFC-11)	ND(0.068)	ND(0.077)	ND(0.071)	ND(0.078)	ND(0.071)	ND(0.086)	ND(0.075)	ND(0.081)	ND(0.073)
Trifluorotrichloroethane (Freon 113)	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.15)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)
Vinyl chloride	ND(0.068)	ND(0.038)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.043)	ND(0.037)	ND(0.040)	ND(0.073)
Xylenes (total)	ND(0.068)	0.30	0.34	ND(0.078)	ND(0.071)	ND(0.086)	ND(0.075)	ND(0.081)	ND(0.073)
SVOC									
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
2,4-Dichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
2,4-Dimethylphenol	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
2,4-Dinitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	ND(18)
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	ND(18)
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
2-Chloronaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
2-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
2-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	ND(18)
2-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
3&4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	ND(8.9 J)
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	NA	NA	NA	ND(18)
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	ND(18)
4,6-Dinitro-2-methylpheno	NA	NA	NA	NA	NA	NA	NA	NA	ND(18)
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
4-Chloro-3-methylpheno	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA	ND(18)
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	NA	NA	NA	ND(18)
4-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	ND(18)
4-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	ND(18)
Acenaphthene	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Acenaphthylene	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Acetophenone	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Anthracene	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Atrazine	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Benzaldehyde	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4 J)

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-16-25 8 - 10 02/18/03	RFI-36-47 0 - 2 10/15/02	RFI-36-47 8 - 10 10/15/02	RFI-36-47 10 - 12 10/15/02	RFI-36-48 0 - 2 10/15/02	RFI-36-48 6 - 8 10/15/02	RFI-36-48 8 - 10 10/15/02	RFI-36-48 14 - 16 10/15/02	RFI-36-49 1 - 3 04/05/03
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4 J)
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4 J)
Benzo(g,h,i)perylene	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4 J)
Biphenyl	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
bis(2-Chloroethyl)ether	NA	NA	NA	NA	NA	NA	NA	NA	ND(0.86)
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Butyl benzylphthalate	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Caprolactam	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Carbazole	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Dibenz(a,h)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Diethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Dimethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Di-n-butylphthalate	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Di-n-octyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4 J)
Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Fluorene	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Hexachlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Hexachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Isophorone	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Methylphenols, Total	NA	NA	NA	NA	NA	NA	NA	NA	ND(8.9)
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Nitrobenzene	NA	NA	NA	NA	NA	NA	NA	NA	ND(1.8)
N-Nitrosodi-n-propylamine	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Pentachlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	ND(18)
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	NA	2.3 J
Phenol	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
Pyrene	NA	NA	NA	NA	NA	NA	NA	NA	ND(4.4)
PCB									
Aroclor-1016 (PCB-1016)	NA	NA	NA	NA	NA	NA	NA	NA	ND(0.037)
Aroclor-1221 (PCB-1221)	NA	NA	NA	NA	NA	NA	NA	NA	ND(0.037)
Aroclor-1232 (PCB-1232)	NA	NA	NA	NA	NA	NA	NA	NA	ND(0.037)
Aroclor-1242 (PCB-1242)	NA	NA	NA	NA	NA	NA	NA	NA	ND(0.037)
Aroclor-1248 (PCB-1248)	NA	NA	NA	NA	NA	NA	NA	NA	ND(0.037)
Aroclor-1254 (PCB-1254)	NA	NA	NA	NA	NA	NA	NA	NA	ND(0.037)
Aroclor-1260 (PCB-1260)	NA	NA	NA	NA	NA	NA	NA	NA	ND(0.037)
Total PCBs	NA	NA	NA	NA	NA	NA	NA	NA	ND(0.037)
Inorganic									
Antimony	NA	0.12 J	0.076 J	0.039 J	0.15 J	0.96 J	0.46 J	0.020 J	0.042 J
Arsenic	NA	8.2 J (RDC)	3.3 J	3.4 J	7.3 J	19 J (RDC)	8.2 J (RDC)	5.4 J	2.3 J
Barium	NA	79 J	33 J	9.6 J	69 J	100 J	120 J	18 J	15
Beryllium	NA	0.33 J	0.15 J	0.079 J	0.27 J	0.31 J	0.25 J	0.14 J	0.10 J
Cadmium	NA	0.55	0.20	0.11	0.80	1.4	0.62	0.17	ND(0.071)
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	NA	24 J	13 J	7.7 J	64 J	410 J (IPSIC,RPSIC)	61 J	9.0 J	8.8
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	6.7	3.7	2.6	5.2	12	5.5	4.3	1.7 J
Copper	NA	46 J	15 J	9.1 J	140 J	210 J	76 J	7.7 J	8.9 J
Cyanide (total)	NA	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.30)	ND(0.20)	ND(0.20)	ND(0.20)
Lead	NA	91 J	27 J	7.8 J	83 J	110 J	100 J	7.0 J	5.8 J
Manganese	NA	390 J	100 J	51 J	710 J	4,800 J (IPSIC,RPSIC)	1,200 J	220 J	120
Mercury	NA	0.16	0.022 J	0.0079 J	0.16	0.088	0.063 J	0.0074 J	0.044 J
Nickel	NA	20 J	11 J	6.8 J	28 J	130 J	31 J	8.8 J	5.9 J
Selenium	NA	0.47 J	0.13	ND(0.068)	0.38 J	0.35 J	0.31 J	0.10	0.070 J
Silver	NA	0.39 J	0.077 J	0.029 J	0.27 J	1.2 J	0.17 J	0.031 J	0.13 J
Thallium	NA	0.27	0.12 J	0.089 J	0.17	0.11 J	0.090 J	0.10 J	0.039 J
Vanadium	NA	26 J	17 J	15 J	17 J	9.0 J	18 J	16 J	8.3 J
Zinc	NA	130 J	58 J	34 J	180 J	61 J	72 J	30 J	18 J

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-36-49 7 - 9 04/05/03	RFI-36-49 17 - 19 04/05/03	RFI-36-50 0 - 2 03/26/03	RFI-36-50 8 - 10 03/26/03	RFI-36-50 10 - 12 03/26/03	RFI-36-51 0 - 2 03/26/03	RFI-36-51 8 - 10 03/26/03	RFI-36-51 10 - 12 03/26/03	RFI-36-53 0 - 2 03/09/05	RFI-36-53 8 - 10 03/09/05
Miscellaneous										
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	86	94	87	92	89	84	88	93	86	92
VOC										
1,1,1-Trichloroethane	ND(0.039)	ND(0.037)	0.036 J	0.049	0.078	ND(0.042)	ND(0.039)	ND(0.037)	ND(0.060)	ND(0.050)
1,1,2,2-Tetrachloroethane	ND(0.078)	ND(0.074)	ND(0.080)	ND(0.075)	ND(0.078)	ND(0.083)	ND(0.079)	ND(0.073)	ND(0.060)	ND(0.050)
1,1,2-Trichloroethane	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)	ND(0.060)	ND(0.050)
1,1-Dichloroethane	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)	ND(0.060)	ND(0.050)
1,1-Dichloroethene	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)	ND(0.060)	ND(0.050)
1,2,4-Trichlorobenzene	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.10)	ND(0.10)
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	ND(0.16 J)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.060 J)	ND(0.050 J)
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.060)	ND(0.050)
1,2-Dichlorobenzene	ND(0.078)	ND(0.074)	ND(0.080)	ND(0.075)	ND(0.078)	ND(0.083)	ND(0.079)	ND(0.073)	ND(0.060)	ND(0.050)
1,2-Dichloroethane	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)	ND(0.060)	ND(0.050)
1,2-Dichloropropane	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)	ND(0.060)	ND(0.050)
1,3-Dichlorobenzene	ND(0.078)	ND(0.074)	ND(0.080)	ND(0.075)	ND(0.078)	ND(0.083)	ND(0.079)	ND(0.073)	ND(0.060)	ND(0.050)
1,4-Dichlorobenzene	ND(0.078)	ND(0.074)	ND(0.080)	ND(0.075)	ND(0.078)	ND(0.083)	ND(0.079)	ND(0.073)	ND(0.060)	ND(0.050)
2-Butanone (Methyl Ethyl Ketone)	ND(0.34 J)	ND(0.32 J)	ND(0.34)	ND(0.32)	ND(0.34)	ND(0.36)	ND(0.34)	ND(0.31)	ND(0.90)	ND(0.80)
2-Hexanone	ND(0.078)	ND(0.074)	ND(0.080)	ND(0.075)	ND(0.078)	ND(0.083)	ND(0.079)	ND(0.073)	ND(3.0 J)	ND(3.0 J)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(1.7)	ND(1.6)	ND(1.7)	ND(1.6)	ND(1.7)	ND(1.8)	ND(1.7)	ND(1.6)	ND(3.0)	ND(3.0)
Acetone	0.060 J	ND(0.32)	ND(0.34)	ND(0.32)	ND(0.34)	ND(0.36)	ND(0.34)	ND(0.31)	ND(0.90 J)	ND(0.80 J)
Benzene	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)	ND(0.060)	ND(0.050)
Bromodichloromethane	ND(0.078)	ND(0.074)	ND(0.080)	ND(0.075)	ND(0.078)	ND(0.083)	ND(0.079)	ND(0.073)	ND(0.060)	ND(0.050)
Bromoform	ND(0.078)	ND(0.074)	ND(0.080)	ND(0.075)	ND(0.078)	ND(0.083)	ND(0.079)	ND(0.073)	ND(0.060 J)	ND(0.050 J)
Bromomethane (Methyl Bromide)	ND(0.17 J)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	R	R
Carbon disulfide	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.30)	ND(0.30)
Carbon tetrachloride	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)	ND(0.060)	ND(0.050)
Chlorobenzene	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)	ND(0.060)	ND(0.050)
Chloroethane	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.30)	ND(0.30)
Chloroform (Trichloromethane)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)	ND(0.060)	ND(0.050)
Chloromethane (Methyl Chloride)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.30)	ND(0.30)
cis-1,2-Dichloroethene	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)	ND(0.060)	ND(0.050)
cis-1,3-Dichloropropene	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)	ND(0.060)	ND(0.050)
Cyclohexane	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	0.063 J	ND(0.17)	ND(0.16)	ND(0.060 J)	ND(0.050 J)
Dibromochloromethane	ND(0.078)	ND(0.074)	ND(0.080)	ND(0.075)	ND(0.078)	ND(0.083)	ND(0.079)	ND(0.073)	ND(0.060)	ND(0.050)
Dichlorodifluoromethane (CFC-12)	ND(0.078)	ND(0.074)	ND(0.080)	ND(0.075)	ND(0.078)	ND(0.083)	ND(0.079)	ND(0.073)	ND(0.060)	ND(0.050)
Ethylbenzene	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)	ND(0.060)	ND(0.050)
Isopropylbenzene	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.060)	ND(0.050)
m&p-Xylene	ND(0.078)	0.046 J	ND(0.080)	ND(0.075)	ND(0.078)	0.058 J	ND(0.079)	ND(0.073)	ND(0.060)	ND(0.050)
Methyl acetate	0.12 J	ND(0.16 J)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(3.0)	ND(3.0)
Methyl cyclohexane	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	0.19	ND(0.17)	ND(0.16)	ND(0.060)	ND(0.050)
Methyl Tert Butyl Ether	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.30)	ND(0.30)
Methylene chloride	0.13 J	0.15 J	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.30)	ND(0.30)
o-Xylene	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	0.049	ND(0.039)	ND(0.037)	ND(0.060)	ND(0.050)
Styrene	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)	ND(0.060)	ND(0.050)
Tetrachloroethene	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)	ND(0.060)	ND(0.050)
Toluene	ND(0.078)	ND(0.074)	ND(0.080)	ND(0.075)	ND(0.078)	0.048 J	ND(0.079)	ND(0.073)	ND(0.060)	ND(0.050)
trans-1,2-Dichloroethene	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)	ND(0.060)	ND(0.050)
trans-1,3-Dichloropropene	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)	ND(0.060)	ND(0.050)
Trichloroethene	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)	ND(0.060)	ND(0.050)
Trichlorofluoromethane (CFC-11)	ND(0.078)	ND(0.074)	ND(0.080)	ND(0.075)	ND(0.078)	ND(0.083)	ND(0.079)	ND(0.073)	ND(0.10)	ND(0.10)
Trifluorotrichloroethane (Freon 113)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.10)	ND(0.10)
Vinyl chloride	ND(0.078)	ND(0.074)	ND(0.080)	ND(0.075)	ND(0.078)	ND(0.083)	ND(0.079)	ND(0.073)	ND(0.10)	ND(0.10)
Xylenes (total)	ND(0.078)	0.046 J	ND(0.080)	ND(0.075)	ND(0.078)	0.11 J	ND(0.079)	ND(0.073)	ND(0.060)	ND(0.050)
SVOC										
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ND(0.20)	ND(4.5)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
2,4,5-Trichlorophenol	ND(0.20)	ND(4.5)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
2,4,6-Trichlorophenol	ND(0.20)	ND(4.5)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
2,4-Dichlorophenol	ND(0.20)	ND(4.5)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
2,4-Dimethylpheno	ND(0.20)	ND(4.5)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
2,4-Dinitrophenol	ND(0.78)	ND(18)	ND(0.77)	ND(0.73)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.72)	ND(0.60 J)	ND(0.60 J)
2,4-Dinitrotoluene	ND(0.78)	ND(18)	ND(0.77)	ND(0.73)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.72)	ND(0.30)	ND(0.30)
2,6-Dinitrotoluene	ND(0.20)	ND(4.5)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
2-Chloronaphthalene	ND(0.20)	ND(4.5)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
2-Chlorophenol	ND(0.20)	ND(4.5)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
2-Methylnaphthalene	ND(0.20)	1.7 J	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	0.010 J	ND(0.30)
2-Methylphenol	ND(0.20)	ND(4.5)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
2-Nitroaniline	ND(0.78)	ND(18)	ND(0.77)	ND(0.73)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.72)	ND(0.60)	ND(0.60)
2-Nitrophenol	ND(0.20)	ND(4.5)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
3&4-Methylphenol	ND(0.39 J)	ND(9.0 J)	ND(0.39 J)	ND(0.37 J)	ND(0.38 J)	ND(0.41 J)	ND(0.39 J)	ND(0.37 J)	NA	NA
3,3'-Dichlorobenzidine	ND(0.78)	ND(18 J)	ND(0.77)	ND(0.73)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.72)	ND(0.60)	ND(0.60)
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	ND(0.30)	ND(0.30)
3-Nitroaniline	ND(0.78)	ND(18)	ND(0.77)	ND(0.73)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.72)	ND(0.60)	ND(0.60)
4,6-Dinitro-2-methylpheno	ND(0.78)	ND(18)	ND(0.77)	ND(0.73)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.72)	ND(0.60 J)	ND(0.60 J)
4-Bromophenyl phenyl ether	ND(0.20)	ND(4.5)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
4-Chloro-3-methylpheno	ND(0.20)	ND(4.5)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
4-Chloroaniline	ND(0.78)	ND(18)	ND(0.77)	ND(0.73)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.72)	ND(0.60)	ND(0.60 J)
4-Chlorophenyl phenyl ether	ND(0.78)	ND(18)	ND(0.77)	ND(0.73)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.72)	ND(0.30)	ND(0.30)
4-Nitroaniline	ND(0.78 J)	ND(18)	ND(0.77)	ND(0.73)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.72)	ND(0.60)	ND(0.60)
4-Nitrophenol	ND(0.78)	ND(18)	ND(0.77)	ND(0.73)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.72)	ND(0.60)	ND(0.60)
Acenaphthene	ND(0.20)	ND(4.5)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Acenaphthylene	ND(0.20)	ND(4.5)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Acetophenone	ND(0.20)	ND(4.5)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Anthracene	ND(0.20)	ND(4.5)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Atrazine	ND(0.20)	ND(4.5)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Benzaldehyde	ND(0.20)	ND(4.5 J)	ND(0.19 J)	ND(0.18 J)	ND(0.19 J)	ND(0.20 J)	ND(0.19 J)	ND(0.18 J)	ND(0.30)	ND(0.30)

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-36-49 7 - 9 04/05/03	RFI-36-49 17 - 19 04/05/03	RFI-36-50 0 - 2 03/26/03	RFI-36-50 8 - 10 03/26/03	RFI-36-50 10 - 12 03/26/03	RFI-36-51 0 - 2 03/26/03	RFI-36-51 8 - 10 03/26/03	RFI-36-51 10 - 12 03/26/03	RFI-36-53 0 - 2 03/09/05	RFI-36-53 8 - 10 03/09/05
Benzo(a)anthracene	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Benzo(a)pyrene	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Benzo(b)fluoranthene	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Benzo(g,h,i)perylene	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Benzo(k)fluoranthene	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Biphenyl	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
bis(2-Chloroethoxy)methane	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
bis(2-Chloroethyl)ether	ND(0.038)	ND(0.88)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.30)	ND(0.30)
bis(2-Ethylhexyl)phthalate	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Butyl benzylphthalate	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Caprolactam	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Carbazole	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Chrysene	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Dibenz(a,h)anthracene	ND(0.20)	ND(4.5 J)	ND(0.19 J)	ND(0.18 J)	ND(0.19 J)	ND(0.20 J)	ND(0.19 J)	ND(0.18 J)	ND(0.30)	ND(0.30)
Dibenzofuran	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Diethyl phthalate	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Dimethyl phthalate	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Di-n-butylphthalate	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Di-n-octyl phthalate	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Fluoranthene	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Fluorene	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Hexachlorobenzene	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Hexachlorobutadiene	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Hexachlorocyclopentadiene	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Hexachloroethane	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Indeno(1,2,3-cd)pyrene	ND(0.20)	ND(4.5 J)	ND(0.19 J)	ND(0.18 J)	ND(0.19 J)	ND(0.20 J)	ND(0.19 J)	ND(0.18 J)	ND(0.30)	ND(0.30)
Isophorone	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Methylphenols, Total	ND(0.39)	ND(9.0)	ND(0.39)	ND(0.37)	ND(0.38)	ND(0.41)	ND(0.39)	ND(0.37)	ND(0.30)	ND(0.30)
Naphthalene	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Nitrobenzene	ND(0.078)	ND(1.8)	ND(0.077)	ND(0.073)	ND(0.075)	ND(0.080)	ND(0.076)	ND(0.072)	ND(0.20)	ND(0.20)
N-Nitrosodi-n-propylamine	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
N-Nitrosodiphenylamine	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Pentachlorophenol	ND(0.78)	ND(18)	ND(0.77)	ND(0.73)	ND(0.75)	ND(0.80)	ND(0.76)	ND(0.72)	ND(0.60)	ND(0.60)
Phenanthrene	ND(0.20)	6.0	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Phenol	ND(0.20)	ND(4.5 J)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
Pyrene	ND(0.20)	2.3 J	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.30)	ND(0.30)
PCB										
Aroclor-1016 (PCB-1016)	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.39)	ND(0.042)	ND(0.040)	ND(0.038)	ND(0.33)	ND(0.33)
Aroclor-1221 (PCB-1221)	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.39)	ND(0.042)	ND(0.040)	ND(0.038)	ND(0.33)	ND(0.33)
Aroclor-1232 (PCB-1232)	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.39)	ND(0.042)	ND(0.040)	ND(0.038)	ND(0.33)	ND(0.33)
Aroclor-1242 (PCB-1242)	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.39)	ND(0.042)	ND(0.040)	ND(0.038)	ND(0.33)	ND(0.33)
Aroclor-1248 (PCB-1248)	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.038)	7.4	ND(0.042)	ND(0.040)	ND(0.038)	ND(0.33)	ND(0.33)
Aroclor-1254 (PCB-1254)	ND(0.041)	0.039	ND(0.040)	ND(0.038)	ND(0.39)	ND(0.042)	ND(0.040)	ND(0.038)	ND(0.33)	ND(0.33)
Aroclor-1260 (PCB-1260)	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.038)	0.97	ND(0.042)	ND(0.040)	ND(0.038)	ND(0.33)	ND(0.33)
Total PCBs	ND(0.041)	0.039	ND(0.040)	ND(0.038)	8.4 (RDC)	ND(0.042)	ND(0.040)	ND(0.038)	ND(0.33)	ND(0.33)
Inorganic										
Antimony	ND(0.16 J)	0.037 J	0.043 J	0.022 J	0.026 J	0.035 J	0.027 J	0.20 J	ND(0.50)	ND(0.50)
Arsenic	4.5 J	2.7 J	6.2	4.4	3.8	8.9 (RDC)	4.9	5.0	0.81 J	1.2 J
Barium	65	8.3	47	10	9.3	88	13	8.9	42 J	6.3 J
Beryllium	0.34 J	0.11 J	0.42	0.11	0.11	0.61	0.18	0.14	0.35	ND(0.10)
Cadmium	0.17	ND(0.048)	ND(0.051)	ND(0.14)	ND(0.12)	0.19	ND(0.086)	ND(0.088)	ND(0.13)	ND(0.12)
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	15	4.0	14	5.3	4.9	20	6.8	5.7	5.2	2.1
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	7.5 J	1.3 J	6.9	2.7	2.2	8.5	2.3	2.2	6.1 J	1.5 J
Copper	8.9 J	3.4 J	12	6.8	5.5	17	6.7	6.4	2.9	2.5
Cyanide (total)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.10)	ND(0.10)
Lead	11 J	3.4 J	8.1	5.0	4.2	13	6.3	6.3	7.0	3.2
Manganese	470	59	210 J	130 J	100 J	350 J	78 J	67 J	320 J	93 J
Mercury	0.054 J	0.045 J	0.022 J	ND(0.076)	ND(0.078)	0.16	ND(0.079)	ND(0.072)	ND(0.050)	ND(0.050)
Nickel	13 J	4.1 J	14	7.4	6.2	24	6.1	5.5	7.3	2.9
Selenium	0.23 J	0.082 J	ND(0.21)	ND(0.079)	ND(0.11)	ND(0.32)	ND(0.19)	ND(0.13)	0.27	ND(0.20)
Silver	0.049 J	0.019 J	0.033 J	0.022 J	0.020 J	0.075 J	0.020 J	0.021 J	ND(0.20 J)	ND(0.20 J)
Thallium	0.15 J	0.031 J	0.17	0.055 J	0.058 J	0.24	0.059 J	0.050 J	ND(0.10)	ND(0.10)
Vanadium	24 J	8.3 J	25	11	11	34	14	12	6.1	3.1
Zinc	47 J	17 J	42 J	28 J	22 J	69 J	30 J	26 J	13 J	6.8 J

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-36-53 12 - 14 03/09/05	RFI-36-54 0 - 2 07/14/05	RFI-36-54 8 - 10 07/14/05	RFI-36-54 14 - 16 07/14/05	RFI-36-55 0 - 2 07/01/05	RFI-36-55 8 - 10 07/01/05	RFI-36-56 0 - 2 07/13/05
Miscellaneous							
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA
Total Solids	88	93	87	86 [86]	92	84	92
VOC							
1,1,1-Trichloroethane	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
1,1,2,2-Tetrachloroethane	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
1,1,2-Trichloroethane	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
1,1-Dichloroethane	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
1,1-Dichloroethene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
1,2,4-Trichlorobenzene	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.060 J)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.060)	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.020)
1,2-Dichlorobenzene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
1,2-Dichloroethane	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
1,2-Dichloropropane	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
1,3-Dichlorobenzene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
1,4-Dichlorobenzene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	0.040 J	ND(0.060)	ND(0.060)
2-Butanone (Methyl Ethyl Ketone)	ND(0.80)	ND(0.80)	ND(0.90)	ND(0.80) [ND(0.80)]	ND(0.80)	ND(0.90)	ND(0.90)
2-Hexanone	ND(3.0 J)	ND(3.0)	ND(3.0)	ND(3.0) [ND(3.0)]	ND(3.0)	ND(3.0)	ND(3.0)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0) [ND(3.0)]	ND(3.0)	ND(3.0)	ND(3.0)
Acetone	ND(0.80 J)	ND(0.80)	ND(0.90)	ND(0.80) [ND(0.80)]	ND(0.80)	ND(0.90)	ND(0.90)
Benzene	ND(0.060)	ND(0.050)	0.030 J	0.010 J [0.010 J]	0.0090 J	ND(0.060)	ND(0.060)
Bromodichloromethane	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
Bromoform	ND(0.060 J)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
Bromomethane (Methyl Bromide)	R	ND(0.30 J)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)
Carbon disulfide	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)
Carbon tetrachloride	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
Chlorobenzene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
Chloroethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)
Chloroform (Trichloromethane)	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
Chloromethane (Methyl Chloride)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)
cis-1,2-Dichloroethene	ND(0.060)	ND(0.050)	0.010 J	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
cis-1,3-Dichloropropene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
Cyclohexane	ND(0.060 J)	ND(0.050 J)	ND(0.060 J)	ND(0.050 J) [ND(0.050 J)]	0.10	ND(0.060)	ND(0.060 J)
Dibromochloromethane	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
Dichlorodifluoromethane (CFC-12)	ND(0.060)	ND(0.050 J)	ND(0.060 J)	ND(0.050 J) [ND(0.050 J)]	ND(0.050 J)	ND(0.060 J)	ND(0.060 J)
Ethylbenzene	0.13	0.020 J	0.030 J	0.020 J [0.020 J]	0.010 J	ND(0.060)	0.0090 J
Isopropylbenzene	0.32	ND(0.050)	0.020 J	0.020 J [0.030 J]	ND(0.050)	ND(0.060)	ND(0.060)
m&p-Xylene	0.33 J	0.10	0.090	0.030 J [0.030 J]	0.10	ND(0.060)	0.040 J
Methyl acetate	ND(3.0)	0.20 J	ND(3.0)	ND(3.0) [ND(3.0)]	ND(3.0)	ND(3.0)	ND(3.0)
Methyl cyclohexane	0.22	0.030 J	0.020 J	0.040 J [0.030 J]	0.15	ND(0.060)	0.050 J
Methyl Tert Butyl Ether	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)
Methylene chloride	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)
o-Xylene	0.060	0.11	0.020 J	0.010 J [0.010 J]	0.050 J	ND(0.060)	0.020 J
Styrene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
Tetrachloroethene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	1.5	0.040 J	ND(0.060)
Toluene	ND(0.060)	0.030 J	0.040 J	0.020 J [0.020 J]	0.080	ND(0.060)	0.030 J
trans-1,2-Dichloroethene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
trans-1,3-Dichloropropene	ND(0.060)	ND(0.050)	ND(0.060)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
Trichloroethene	ND(0.060)	ND(0.050)	0.010 J	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.060)	ND(0.060)
Trichlorofluoromethane (CFC-11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)
Trifluorotrichloroethane (Freon 113)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)
Vinyl chloride	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)
Xylenes (total)	0.39 J	0.21	0.11 J	0.040 J [0.040 J]	0.15 J	ND(0.060)	0.060 J
SVOC							
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
2,4,5-Trichlorophenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
2,4,6-Trichlorophenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
2,4-Dichlorophenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
2,4-Dimethylphenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33 J)	ND(0.33)	ND(0.33)
2,4-Dinitrophenol	ND(0.60 J)	ND(0.67)	ND(0.67)	ND(0.67) [ND(0.67)]	ND(0.67)	ND(0.67)	ND(0.67)
2,4-Dinitrotoluene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
2,6-Dinitrotoluene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
2-Chloronaphthalene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
2-Chlorophenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
2-Methylnaphthalene	96 Y	0.090 J	0.20 J	0.070 J [0.20 J]	0.030 J	ND(0.33)	0.050 J
2-Methylphenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
2-Nitroaniline	ND(0.60)	ND(0.67)	ND(0.67)	ND(0.67) [ND(0.67)]	ND(0.67)	ND(0.67)	ND(0.67)
2-Nitrophenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
3&4-Methylphenol	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	ND(0.60)	ND(0.67)	ND(0.67)	ND(0.67) [ND(0.67)]	ND(0.67)	ND(0.67)	ND(0.67)
3-Methylphenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
3-Nitroaniline	ND(0.60)	ND(0.67)	ND(0.67)	ND(0.67) [ND(0.67)]	ND(0.67)	ND(0.67)	ND(0.67)
4,6-Dinitro-2-methylpheno	ND(0.60 J)	ND(0.67)	ND(0.67)	ND(0.67) [ND(0.67)]	ND(0.67)	ND(0.67)	ND(0.67)
4-Bromophenyl phenyl ether	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
4-Chloro-3-methylpheno	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
4-Chloroaniline	ND(0.60)	ND(0.67)	ND(0.67)	ND(0.67) [ND(0.67)]	ND(0.67 J)	ND(0.67 J)	ND(0.67)
4-Chlorophenyl phenyl ether	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
4-Nitroaniline	ND(0.60)	ND(0.67)	ND(0.67)	ND(0.67) [ND(0.67)]	ND(0.67)	ND(0.67)	ND(0.67)
4-Nitrophenol	ND(0.60)	ND(0.67)	ND(0.67)	ND(0.67) [ND(0.67)]	ND(0.67)	ND(0.67)	ND(0.67)
Acenaphthene	4.6	0.080 J	0.10 J	0.10 J [0.46]	ND(0.33)	ND(0.33)	ND(0.33)
Acenaphthylene	0.70	ND(0.33)	0.040 J	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
Acetophenone	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
Anthracene	1.3 J	0.20 J	0.33	ND(0.33) [ND(0.33)]	0.030 J	ND(0.33)	ND(0.33)
Atrazine	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
Benzaldehyde	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-36-53 12 - 14 03/09/05	RFI-36-54 0 - 2 07/14/05	RFI-36-54 8 - 10 07/14/05	RFI-36-54 14 - 16 07/14/05	RFI-36-55 0 - 2 07/01/05	RFI-36-55 8 - 10 07/01/05	RFI-36-56 0 - 2 07/13/05
Benzo(a)anthracene	ND(0.30)	0.70	0.85	0.10 J [0.45]	0.20 J	ND(0.33)	0.060 J
Benzo(a)pyrene	ND(0.30)	0.73	0.78	0.050 J [0.20 J]	0.10 J	ND(0.33)	0.070 J
Benzo(b)fluoranthene	ND(0.30)	0.71	0.68	0.070 J [0.30 J]	ND(0.33)	ND(0.33)	0.040 J
Benzo(g,h,i)perylene	ND(0.30)	1.7	1.2	ND(0.33) [0.36]	ND(0.33)	ND(0.33)	0.20 J
Benzo(k)fluoranthene	ND(0.30)	0.54	0.55	0.050 J [0.20 J]	ND(0.33)	ND(0.33)	ND(0.33)
Biphenyl	3.5 J	ND(0.33)	0.040 J	0.050 J [0.20 J]	ND(0.33)	ND(0.33)	ND(0.33)
bis(2-Chloroethoxy)methane	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
bis(2-Chloroethyl)ether	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
bis(2-Ethylhexyl)phthalate	ND(0.30)	2.3	0.080 J	0.10 J [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
Butyl benzylphthalate	ND(0.30)	0.61	ND(0.33)	ND(0.33) [ND(0.33)]	0.10 J	ND(0.33)	ND(0.33)
Caprolactam	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
Carbazole	1.5	0.10 J	0.20 J	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
Chrysene	ND(0.30)	0.83	1.0	0.20 J [0.73]	0.20 J	ND(0.33)	0.10 J
Dibenz(a,h)anthracene	ND(0.30)	0.39	0.30 J	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
Dibenzofuran	1.5	0.060 J	0.10 J	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
Diethyl phthalate	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
Dimethyl phthalate	0.30	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
Di-n-butylphthalate	ND(0.30)	ND(0.33)	0.51	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
Di-n-octyl phthalate	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
Fluoranthene	0.20 J	1.4	1.8	0.30 J [1.0 J]	0.20 J	ND(0.33)	0.080 J
Fluorene	6.7 J	0.070 J	0.10 J	0.20 J [0.73]	ND(0.33)	ND(0.33)	ND(0.33)
Hexachlorobenzene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
Hexachlorobutadiene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
Hexachlorocyclopentadiene	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
Hexachloroethane	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
Indeno(1,2,3-cd)pyrene	ND(0.30)	1.2	0.93	ND(0.33) [0.30 J]	ND(0.33)	ND(0.33)	ND(0.33)
Isophorone	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
Methylphenols, Total	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
Naphthalene	9.5	0.080 J	0.20 J	0.10 J [0.30 J]	0.030 J	ND(0.33)	ND(0.33)
Nitrobenzene	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	ND(0.20)
N-Nitrosodi-n-propylamine	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
N-Nitrosodiphenylamine	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
Pentachlorophenol	ND(0.60)	ND(0.67)	ND(0.67)	ND(0.67) [ND(0.67)]	ND(0.67)	ND(0.67)	ND(0.67)
Phenanthrene	18 J	0.84	1.2	0.62 J [2.1 J]	0.20 J	ND(0.33)	0.060 J
Phenol	ND(0.30)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)	ND(0.33)	ND(0.33)
Pyrene	0.40	1.3	1.7	0.30 J [0.97 J]	0.20 J	ND(0.33)	ND(0.33)
PCB							
Aroclor-1016 (PCB-1016)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33 J)	ND(0.33 J)	ND(0.33 J)
Aroclor-1221 (PCB-1221)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33 J)	ND(0.33 J)	ND(0.33 J)
Aroclor-1232 (PCB-1232)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33 J)	ND(0.33 J)	ND(0.33 J)
Aroclor-1242 (PCB-1242)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33 J)	ND(0.33 J)	ND(0.33 J)
Aroclor-1248 (PCB-1248)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33 J)	ND(0.33 J)	ND(0.33 J)
Aroclor-1254 (PCB-1254)	ND(0.33)	1.2	0.050 J	0.11 J [0.080 J]	ND(0.33 J)	ND(0.33)	ND(0.33 J)
Aroclor-1260 (PCB-1260)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	0.070 J	ND(0.33)	ND(0.33 J)
Total PCBs	ND(0.33)	1.2	0.050 J	0.11 J [0.080 J]	0.070 J	ND(0.33)	ND(0.33)
Inorganic							
Antimony	ND(0.50)	ND(1.1)	ND(0.63)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)
Arsenic	1.6 J	0.77	3.0	1.6 [1.5]	2.0	0.97	1.9
Barium	5.2 J	240	480	190 [190]	47	3.9	84
Beryllium	ND(0.10)	0.17 J	0.72	0.45 J [0.44 J]	0.20 J	0.030 J	0.42 J
Cadmium	ND(0.17)	2.1	2.0	0.55 [0.54]	0.36	0.050 J	0.42
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA
Chromium Total	2.0	74	280 (IPSC,RPSIC)	60 [60]	18	1.0 J	7.2
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA
Cobalt	1.9 J	7.6	9.4	2.6 [2.6]	2.8	0.85	4.5
Copper	3.1	350	260	65 [65]	48	1.2	23
Cyanide (total)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)
Lead	3.2	550 (RDC)	340	68 [69]	44	2.1	80
Manganese	140 J	6,700 (IPSC,RPSIC)	1,600 (IPSC)	1,400 [1,400]	540	100	560
Mercury	ND(0.050)	1.2	0.23	0.11 [0.11]	0.050	ND(0.050)	0.053
Nickel	3.5	45	120	23 [22]	16	1.8	5.8
Selenium	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.28) [ND(0.23)]	ND(0.22)	ND(0.36)	ND(0.20)
Silver	ND(0.20 J)	0.62	0.10	0.090 J [0.090 J]	ND(0.10)	ND(0.10)	0.050 J
Thallium	ND(0.10)	0.54	0.35 J	ND(0.50) [ND(0.50)]	ND(0.50)	ND(0.50)	ND(0.50)
Vanadium	3.5	2.0	18	5.1 [5.2]	3.3	1.4	7.2
Zinc	8.7 J	370	140	67 [67]	45	3.4	78

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-36-56 6 - 8 07/13/05	RFI-40-11 0.9 - 2.9 02/17/03	RFI-40-11 4.9 - 6.9 02/17/03	RFI-40-12 0 - 2 03/24/03	RFI-40-12 8 - 10 03/24/03	RFI-40-12 12 - 14 03/24/03	RFI-40-13 0.5 - 2.5 03/25/03	RFI-40-13 8.5 - 10.5 03/25/03
Miscellaneous								
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	89	NA	NA	84	94	87	88	84 [85]
VOC								
1,1,1-Trichloroethane	ND(0.050)	ND(0.034)	ND(0.034)	ND(0.041)	ND(0.037)	ND(0.039)	0.15	ND(0.040) [ND(0.041)]
1,1,2,2-Tetrachloroethane	ND(0.050)	ND(0.067)	ND(0.069)	ND(0.082)	ND(0.074 J)	ND(0.078 J)	ND(0.077 J)	ND(0.080 J) [ND(0.081 J)]
1,1,2-Trichloroethane	ND(0.050)	ND(0.034)	ND(0.034)	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.041)]
1,1-Dichloroethane	ND(0.050)	ND(0.034 J)	ND(0.034 J)	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.041)]
1,1-Dichloroethene	ND(0.050)	ND(0.034)	ND(0.034)	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.041)]
1,2,4-Trichlorobenzene	ND(0.10)	ND(0.14)	ND(0.15)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.17)]
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.050)	ND(0.14)	ND(0.15)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.17)]
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.020)	ND(0.14)	ND(0.15)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.17)]
1,2-Dichlorobenzene	ND(0.050)	ND(0.067)	ND(0.069)	ND(0.082)	ND(0.074)	ND(0.078)	ND(0.077)	ND(0.080) [ND(0.081)]
1,2-Dichloroethane	ND(0.050)	ND(0.034)	ND(0.034)	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.041)]
1,2-Dichloropropane	ND(0.050)	ND(0.034)	ND(0.034)	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.041)]
1,3-Dichlorobenzene	ND(0.050)	ND(0.067)	ND(0.069)	ND(0.082)	ND(0.074)	ND(0.078)	ND(0.077)	ND(0.080) [ND(0.081)]
1,4-Dichlorobenzene	ND(0.050)	ND(0.067)	ND(0.069)	ND(0.082)	ND(0.074)	ND(0.078)	ND(0.077)	ND(0.080) [ND(0.081)]
2-Butanone (Methyl Ethyl Ketone)	ND(0.80)	0.050 J	0.037 J	ND(0.35)	ND(0.32 J)	ND(0.34 J)	ND(0.33 J)	ND(0.34 J) [ND(0.35 J)]
2-Hexanone	ND(3.0)	ND(0.067)	ND(0.069)	ND(0.082)	ND(0.074 J)	ND(0.078 J)	ND(0.077 J)	ND(0.080 J) [ND(0.081 J)]
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(3.0)	ND(1.4)	ND(1.5)	ND(1.8)	ND(1.6 J)	ND(1.7)	ND(1.6 J)	ND(1.7 J) [ND(1.7 J)]
Acetone	ND(0.80)	ND(0.29)	ND(0.29)	ND(0.35)	ND(0.32 J)	ND(0.34 J)	ND(0.33 J)	ND(0.34 J) [ND(0.35 J)]
Benzene	ND(0.050)	0.13	ND(0.034)	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.041)]
Bromodichloromethane	ND(0.050)	ND(0.067)	ND(0.069)	ND(0.082)	ND(0.074)	ND(0.078)	ND(0.077)	ND(0.080) [ND(0.081)]
Bromoform	ND(0.050)	ND(0.067)	ND(0.069)	ND(0.082)	ND(0.074)	ND(0.078)	ND(0.077)	ND(0.080) [ND(0.081)]
Bromomethane (Methyl Bromide)	ND(0.30)	ND(0.14 J)	ND(0.15 J)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.17)]
Carbon disulfide	ND(0.30)	ND(0.14)	ND(0.15)	ND(0.18)	ND(0.16 J)	ND(0.17 J)	ND(0.16 J)	ND(0.17 J) [ND(0.17 J)]
Carbon tetrachloride	ND(0.050)	ND(0.034)	ND(0.034)	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.041)]
Chlorobenzene	ND(0.050)	ND(0.034)	ND(0.034)	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.041)]
Chloroethane	ND(0.30)	ND(0.14)	ND(0.15)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.17)]
Chloroform (Trichloromethane)	ND(0.050)	ND(0.034)	ND(0.034)	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.041)]
Chloromethane (Methyl Chloride)	ND(0.30)	ND(0.14)	ND(0.15)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.17)]
cis-1,2-Dichloroethene	ND(0.050)	ND(0.034)	ND(0.034)	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.041)]
cis-1,3-Dichloropropene	ND(0.050)	ND(0.034)	ND(0.034)	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.041)]
Cyclohexane	ND(0.050 J)	0.26	ND(0.15)	0.067 J	ND(0.16)	ND(0.17)	0.055 J	ND(0.17) [ND(0.17)]
Dibromochloromethane	ND(0.050)	ND(0.067)	ND(0.069)	ND(0.082)	ND(0.074)	ND(0.078)	ND(0.077)	ND(0.080) [ND(0.081)]
Dichlorodifluoromethane (CFC-12)	ND(0.050 J)	ND(0.067)	ND(0.069)	ND(0.082)	ND(0.074)	ND(0.078)	ND(0.077)	ND(0.080) [ND(0.081)]
Ethylbenzene	ND(0.050)	0.12	ND(0.034)	0.044	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.041)]
Isopropylbenzene	ND(0.050)	0.062 J	ND(0.15)	0.036 J	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.17)]
m&p-Xylene	ND(0.050)	0.46	ND(0.069)	0.15	ND(0.074)	ND(0.078)	0.068 J	ND(0.080) [ND(0.081)]
Methyl acetate	ND(3.0)	ND(0.14)	ND(0.15)	1.0	ND(0.16 J)	ND(0.17 J)	ND(0.16 J)	ND(0.17 J) [ND(0.17 J)]
Methyl cyclohexane	ND(0.050)	0.77	ND(0.15)	0.20	ND(0.16 J)	ND(0.17 J)	0.24 J	ND(0.17 J) [ND(0.17 J)]
Methyl Tert Butyl Ether	ND(0.30)	ND(0.14)	ND(0.15)	ND(0.18)	ND(0.16 J)	ND(0.17 J)	ND(0.16 J)	ND(0.17 J) [ND(0.17 J)]
Methylene chloride	ND(0.30)	0.038 J	0.045 J	ND(0.18)	0.036 J	ND(0.17)	0.042 J	0.093 J [0.15 J]
o-Xylene	ND(0.050)	0.34	ND(0.034)	0.12	ND(0.037)	ND(0.039)	0.064	ND(0.040) [ND(0.041)]
Styrene	ND(0.050)	ND(0.034)	ND(0.034)	0.036 J	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.041)]
Tetrachloroethene	ND(0.050)	ND(0.034)	ND(0.034)	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.041)]
Toluene	ND(0.050)	0.58	ND(0.069)	0.11	ND(0.074)	ND(0.078)	0.12	ND(0.080) [ND(0.081)]
trans-1,2-Dichloroethene	ND(0.050)	ND(0.034)	ND(0.034)	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.041)]
trans-1,3-Dichloropropene	ND(0.050)	ND(0.034)	ND(0.034)	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.041)]
Trichloroethene	ND(0.050)	ND(0.034)	ND(0.034)	0.12	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.041)]
Trichlorofluoromethane (CFC-11)	ND(0.10)	ND(0.067)	ND(0.069)	0.090	ND(0.074)	ND(0.078)	ND(0.077)	ND(0.080) [ND(0.081)]
Trifluorotrichloroethane (Freon 113)	ND(0.10)	ND(0.14)	ND(0.15)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.17)]
Vinyl chloride	ND(0.10)	ND(0.067)	ND(0.069)	ND(0.082)	ND(0.074)	ND(0.078)	ND(0.077)	ND(0.080) [ND(0.081)]
Xylenes (total)	ND(0.050)	0.80	ND(0.069)	0.27	ND(0.074)	ND(0.078)	0.13 J	ND(0.080) [ND(0.081)]
SVOC								
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
2,4,5-Trichlorophenol	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
2,4,6-Trichlorophenol	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
2,4-Dichlorophenol	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
2,4-Dimethylphenol	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
2,4-Dinitrophenol	ND(0.67)	NA	NA	ND(8.0)	ND(0.71)	ND(0.77)	ND(7.6)	ND(0.80) [ND(0.79)]
2,4-Dinitrotoluene	ND(0.33)	NA	NA	ND(8.0)	ND(0.71)	ND(0.77)	ND(7.6)	ND(0.80) [ND(0.79)]
2,6-Dinitrotoluene	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
2-Chloronaphthalene	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
2-Chlorophenol	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
2-Methylnaphthalene	ND(0.33)	NA	NA	1.5 J	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
2-Methylphenol	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
2-Nitroaniline	ND(0.67)	NA	NA	ND(8.0)	ND(0.71)	ND(0.77)	ND(7.6)	ND(0.80) [ND(0.79)]
2-Nitrophenol	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
3&4-Methylphenol	NA	NA	NA	ND(4.0)	ND(0.36 J)	ND(0.39 J)	ND(3.9 J)	ND(0.40 J) [ND(0.40 J)]
3,3'-Dichlorobenzidine	ND(0.67)	NA	NA	ND(8.0)	ND(0.71)	ND(0.77)	ND(7.6)	ND(0.80) [ND(0.79)]
3-Methylphenol	ND(0.33)	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ND(0.67)	NA	NA	ND(8.0)	ND(0.71)	ND(0.77)	ND(7.6)	ND(0.80) [ND(0.79)]
4,6-Dinitro-2-methylpheno	ND(0.67)	NA	NA	ND(8.0)	ND(0.71)	ND(0.77)	ND(7.6)	ND(0.80) [ND(0.79)]
4-Bromophenyl phenyl ether	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
4-Chloro-3-methylpheno	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
4-Chloroaniline	ND(0.67)	NA	NA	ND(8.0)	ND(0.71)	ND(0.77)	ND(7.6)	ND(0.80) [ND(0.79)]
4-Chlorophenyl phenyl ether	ND(0.33)	NA	NA	ND(8.0)	ND(0.71)	ND(0.77)	ND(7.6)	ND(0.80) [ND(0.79)]
4-Nitroaniline	ND(0.67)	NA	NA	ND(8.0)	ND(0.71)	ND(0.77)	ND(7.6)	ND(0.80) [ND(0.79)]
4-Nitrophenol	ND(0.67)	NA	NA	ND(8.0)	ND(0.71)	ND(0.77)	ND(7.6)	ND(0.80) [ND(0.79)]
Acenaphthene	ND(0.33)	NA	NA	7.7	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Acenaphthylene	ND(0.33)	NA	NA	0.52 J	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Acetophenone	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Anthracene	ND(0.33)	NA	NA	16	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Atrazine	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Benzaldehyde	ND(0.33)	NA	NA	ND(2.0 J)	ND(0.18 J)	ND(0.20)	ND(1.9 J)	ND(0.20) [ND(0.20 J)]

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-36-56 6 - 8 07/13/05	RFI-40-11 0.9 - 2.9 02/17/03	RFI-40-11 4.9 - 6.9 02/17/03	RFI-40-12 0 - 2 03/24/03	RFI-40-12 8 - 10 03/24/03	RFI-40-12 12 - 14 03/24/03	RFI-40-13 0.5 - 2.5 03/25/03	RFI-40-13 8.5 - 10.5 03/25/03
Benzo(a)anthracene	ND(0.33)	NA	NA	37 (RDC)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Benzo(a)pyrene	ND(0.33)	NA	NA	36 J (IDC,RDC)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Benzo(b)fluoranthene	ND(0.33)	NA	NA	36 J (RDC)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Benzo(g,h,i)perylene	ND(0.33)	NA	NA	23 J	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Benzo(k)fluoranthene	ND(0.33)	NA	NA	37 J	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Biphenyl	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
bis(2-Chloroethoxy)methane	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
bis(2-Chloroethyl)ether	ND(0.33)	NA	NA	ND(0.39)	ND(0.035)	ND(0.038)	ND(0.37)	ND(0.039) [ND(0.039)]
bis(2-Ethylhexyl)phthalate	ND(0.33)	NA	NA	2.2	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Butyl benzylphthalate	ND(0.33)	NA	NA	4.2	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Caprolactam	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Carbazole	ND(0.33)	NA	NA	11	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Chrysene	ND(0.33)	NA	NA	38	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Dibenz(a,h)anthracene	ND(0.33)	NA	NA	ND(2.0 J)	ND(0.18 J)	ND(0.20 J)	ND(1.9 J)	ND(0.20 J) [ND(0.20 J)]
Dibenzofuran	ND(0.33)	NA	NA	4.9	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Diethyl phthalate	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Dimethyl phthalate	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Di-n-butylphthalate	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Di-n-octyl phthalate	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Fluoranthene	ND(0.33)	NA	NA	110 JD	ND(0.18)	ND(0.20)	1.2 J	ND(0.20) [ND(0.20)]
Fluorene	ND(0.33)	NA	NA	7.1	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Hexachlorobenzene	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Hexachlorobutadiene	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Hexachlorocyclopentadiene	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Hexachloroethane	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Indeno(1,2,3-cd)pyrene	ND(0.33)	NA	NA	21 J (RDC)	ND(0.18 J)	ND(0.20 J)	ND(1.9 J)	ND(0.20 J) [ND(0.20 J)]
Isophorone	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Methylphenols, Total	ND(0.33)	NA	NA	ND(4.0)	ND(0.36)	ND(0.39)	ND(3.9)	ND(0.40) [ND(0.40)]
Naphthalene	ND(0.33)	NA	NA	3.5	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Nitrobenzene	ND(0.20)	NA	NA	ND(0.80)	ND(0.071)	ND(0.077)	ND(0.76)	ND(0.080) [ND(0.079)]
N-Nitrosodi-n-propylamine	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
N-Nitrosodiphenylamine	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Pentachlorophenol	ND(0.67)	NA	NA	ND(8.0)	ND(0.71)	ND(0.77)	ND(7.6)	ND(0.80) [ND(0.79)]
Phenanthrene	ND(0.33)	NA	NA	77 D	ND(0.18)	ND(0.20)	0.72 J	ND(0.20) [ND(0.20)]
Phenol	ND(0.33)	NA	NA	ND(2.0)	ND(0.18)	ND(0.20)	ND(1.9)	ND(0.20) [ND(0.20)]
Pyrene	ND(0.33)	NA	NA	89 D	ND(0.18)	ND(0.20)	1.2 J	ND(0.20) [ND(0.20)]
PCB								
Aroclor-1016 (PCB-1016)	ND(0.33)	NA	NA	ND(0.042)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.042) [ND(0.041)]
Aroclor-1221 (PCB-1221)	ND(0.33)	NA	NA	ND(0.042)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.042) [ND(0.041)]
Aroclor-1232 (PCB-1232)	ND(0.33)	NA	NA	ND(0.042)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.042) [ND(0.041)]
Aroclor-1242 (PCB-1242)	ND(0.33)	NA	NA	ND(0.042)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.042) [ND(0.041)]
Aroclor-1248 (PCB-1248)	ND(0.33)	NA	NA	0.16	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.042) [ND(0.041)]
Aroclor-1254 (PCB-1254)	ND(0.33)	NA	NA	0.96	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.042) [ND(0.041)]
Aroclor-1260 (PCB-1260)	ND(0.33)	NA	NA	ND(0.042)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.042) [ND(0.041)]
Total PCBs	ND(0.33)	NA	NA	1.1	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.042) [ND(0.041)]
Inorganic								
Antimony	ND(0.30)	NA	NA	0.21 J	0.017 J	R	0.32 J	0.016 J [0.012 J]
Arsenic	ND(0.45)	NA	NA	6.4	5.1	4.4	6.0	5.9 [6.4]
Barium	4.5	NA	NA	290	45	29	61	47 [50]
Beryllium	0.050 J	NA	NA	0.34	0.34	0.27	0.31	0.34 [0.32]
Cadmium	0.060 J	NA	NA	1.4	ND(0.091)	ND(0.11)	0.48	ND(0.10) [ND(0.095)]
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	0.80 J	NA	NA	30	15	11	11	13 [14]
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	0.55	NA	NA	5.1	5.6	5.4	3.6	6.4 [6.0]
Copper	0.70 J	NA	NA	56	10	13	37	13 [13]
Cyanide (total)	ND(0.10)	NA	NA	2.6	ND(1.0)	ND(1.0)	0.24	ND(1.0) [ND(1.0)]
Lead	2.3	NA	NA	120	7.2	6.0	54	7.3 [7.3]
Manganese	81	NA	NA	210 J	220 J	250 J	180 J	250 J [220 J]
Mercury	0.010 J	NA	NA	0.14	0.0098 J	0.013 J	0.051 J	0.013 J [0.016 J]
Nickel	0.40 J	NA	NA	27	15	15	12	16 [16]
Selenium	ND(0.20)	NA	NA	ND(0.54)	ND(0.25)	ND(0.35)	ND(0.42)	ND(0.23) [ND(0.18)]
Silver	ND(0.10)	NA	NA	0.14 J	0.11 J	0.057 J	0.060 J	0.063 J [0.064 J]
Thallium	ND(0.50)	NA	NA	0.18	0.13 J	0.13 J	0.18	0.17 [0.14 J]
Vanadium	1.1	NA	NA	19	22	17	13	22 [23]
Zinc	2.1	NA	NA	760 J	33 J	31 J	210 J	36 J [36 J]

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-40-13 12.5 - 14.5 03/25/03	RFI-40-14 0.5 - 2.5 03/25/03	RFI-40-14 4.5 - 6.5 03/25/03	RFI-40-15 2 - 4 04/03/03	RFI-40-15 8 - 10 04/03/03	RFI-40-15 14 - 16 04/03/03	RFI-40-16 0 - 2 08/23/04	RFI-40-17 0 - 2 08/23/04
Miscellaneous								
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	91	84	88	85	80	86	86	84
VOC								
1,1,1-Trichloroethane	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.040)	ND(0.043)	ND(0.039)	NA	NA
1,1,2,2-Tetrachloroethane	ND(0.075 J)	ND(0.081 J)	ND(0.079 J)	ND(0.080)	ND(0.087)	ND(0.078)	NA	NA
1,1,2-Trichloroethane	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.040)	ND(0.043)	ND(0.039)	NA	NA
1,1-Dichloroethane	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.040)	ND(0.043)	ND(0.039)	NA	NA
1,1-Dichloroethene	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.040)	ND(0.043)	ND(0.039)	NA	NA
1,2,4-Trichlorobenzene	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.19)	ND(0.17)	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.19)	ND(0.17)	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.19)	ND(0.17)	NA	NA
1,2-Dichlorobenzene	ND(0.075)	ND(0.081)	ND(0.079)	ND(0.080)	ND(0.087)	ND(0.078)	NA	NA
1,2-Dichloroethane	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.040)	ND(0.043)	ND(0.039)	NA	NA
1,2-Dichloropropane	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.040)	ND(0.043)	ND(0.039)	NA	NA
1,3-Dichlorobenzene	ND(0.075)	ND(0.081)	ND(0.079)	ND(0.080)	ND(0.087)	ND(0.078)	NA	NA
1,4-Dichlorobenzene	ND(0.075)	ND(0.081)	ND(0.079)	ND(0.080)	ND(0.087)	ND(0.078)	NA	NA
2-Butanone (Methyl Ethyl Ketone)	ND(0.32 J)	ND(0.35 J)	ND(0.34 J)	ND(0.34 J)	ND(0.37 J)	ND(0.34 J)	NA	NA
2-Hexanone	ND(0.075 J)	ND(0.081 J)	ND(0.079 J)	ND(0.080)	ND(0.087)	ND(0.078)	NA	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(1.6 J)	ND(1.7 J)	ND(1.7 J)	ND(1.7)	ND(1.9)	ND(1.7)	NA	NA
Acetone	ND(0.32 J)	ND(0.35 J)	ND(0.34 J)	0.080 J	ND(0.37)	ND(0.34)	NA	NA
Benzene	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.040)	ND(0.043)	ND(0.039)	NA	NA
Bromodichloromethane	ND(0.075)	ND(0.081)	ND(0.079)	ND(0.080)	ND(0.087)	ND(0.078)	NA	NA
Bromoform	ND(0.075)	ND(0.081)	ND(0.079)	ND(0.080)	ND(0.087)	ND(0.078)	NA	NA
Bromomethane (Methyl Bromide)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.19)	ND(0.17 J)	NA	NA
Carbon disulfide	ND(0.16 J)	ND(0.17 J)	ND(0.17 J)	ND(0.17)	ND(0.19)	ND(0.17 J)	NA	NA
Carbon tetrachloride	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.040)	ND(0.043)	ND(0.039)	NA	NA
Chlorobenzene	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.040)	ND(0.043)	ND(0.039)	NA	NA
Chloroethane	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.19)	ND(0.17)	NA	NA
Chloroform (Trichloromethane)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.040)	ND(0.043)	ND(0.039)	NA	NA
Chloromethane (Methyl Chloride)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.19)	ND(0.17)	NA	NA
cis-1,2-Dichloroethene	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.040)	ND(0.043)	ND(0.039)	NA	NA
cis-1,3-Dichloropropene	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.040)	ND(0.043)	ND(0.039)	NA	NA
Cyclohexane	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.19)	ND(0.17)	NA	NA
Dibromochloromethane	ND(0.075)	ND(0.081)	ND(0.079)	ND(0.080)	ND(0.087)	ND(0.078)	NA	NA
Dichlorodifluoromethane (CFC-12)	ND(0.075)	ND(0.081)	ND(0.079)	ND(0.080)	ND(0.087)	ND(0.078)	NA	NA
Ethylbenzene	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.040)	ND(0.043)	ND(0.039)	NA	NA
Isopropylbenzene	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.19)	ND(0.17)	NA	NA
m&p-Xylene	ND(0.075)	0.033 J	ND(0.079)	ND(0.080)	ND(0.087)	ND(0.078)	NA	NA
Methyl acetate	ND(0.16 J)	ND(0.17 J)	ND(0.17 J)	0.12 J	ND(0.19 J)	ND(0.17 J)	NA	NA
Methyl cyclohexane	ND(0.16 J)	0.12 J	ND(0.17 J)	ND(0.17)	ND(0.19)	ND(0.17)	NA	NA
Methyl Tert Butyl Ether	ND(0.16 J)	ND(0.17 J)	ND(0.17 J)	ND(0.17)	ND(0.19)	ND(0.17)	NA	NA
Methylene chloride	0.087 J	0.11 J	0.13 J	0.14 J	0.17 J	0.12 J	NA	NA
o-Xylene	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.040)	ND(0.043)	ND(0.039)	NA	NA
Styrene	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.040)	ND(0.043)	ND(0.039)	NA	NA
Tetrachloroethene	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.040)	ND(0.043)	ND(0.039)	NA	NA
Toluene	ND(0.075)	0.042 J	ND(0.079)	ND(0.080)	ND(0.087)	ND(0.078)	NA	NA
trans-1,2-Dichloroethene	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.040)	ND(0.043)	ND(0.039)	NA	NA
trans-1,3-Dichloropropene	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.040)	ND(0.043)	ND(0.039)	NA	NA
Trichloroethene	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.040)	ND(0.043)	ND(0.039)	NA	NA
Trichlorofluoromethane (CFC-11)	ND(0.075)	ND(0.081)	ND(0.079)	ND(0.080)	ND(0.087)	ND(0.078)	NA	NA
Trifluorotrichloroethane (Freon 113)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.19)	ND(0.17)	NA	NA
Vinyl chloride	ND(0.075)	ND(0.081)	ND(0.079)	ND(0.080)	ND(0.087)	ND(0.078)	NA	NA
Xylenes (total)	ND(0.075)	0.033 J	ND(0.079)	ND(0.080)	ND(0.087)	ND(0.078)	NA	NA
SVOC								
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
2,4,5-Trichlorophenol	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
2,4,6-Trichlorophenol	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
2,4-Dichlorophenol	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
2,4-Dimethylpheno	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
2,4-Dinitrophenol	ND(0.74)	ND(7.9)	ND(0.76)	ND(0.79)	ND(0.84)	ND(0.78)	NA	NA
2,4-Dinitrotoluene	ND(0.74)	ND(7.9)	ND(0.76)	ND(0.79)	ND(0.84)	ND(0.78)	NA	NA
2,6-Dinitrotoluene	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
2-Chloronaphthalene	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
2-Chlorophenol	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
2-Methylnaphthalene	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
2-Methylphenol	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
2-Nitroaniline	ND(0.74)	ND(7.9)	ND(0.76)	ND(0.79)	ND(0.84)	ND(0.78)	NA	NA
2-Nitrophenol	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
3&4-Methylphenol	ND(0.38 J)	ND(4.0 J)	ND(0.39 J)	ND(0.40 J)	ND(0.43 J)	ND(0.39 J)	NA	NA
3,3'-Dichlorobenzidine	ND(0.74)	ND(7.9)	ND(0.76)	ND(0.79)	ND(0.84)	ND(0.78)	NA	NA
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ND(0.74)	ND(7.9)	ND(0.76)	ND(0.79)	ND(0.84)	ND(0.78)	NA	NA
4,6-Dinitro-2-methylpheno	ND(0.74)	ND(7.9)	ND(0.76)	ND(0.79)	ND(0.84)	ND(0.78)	NA	NA
4-Bromophenyl phenyl ether	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
4-Chloro-3-methylpheno	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
4-Chloroaniline	ND(0.74)	ND(7.9)	ND(0.76)	ND(0.79)	ND(0.84)	ND(0.78)	NA	NA
4-Chlorophenyl phenyl ether	ND(0.74)	ND(7.9)	ND(0.76)	ND(0.79)	ND(0.84)	ND(0.78)	NA	NA
4-Nitroaniline	ND(0.74)	ND(7.9)	ND(0.76)	ND(0.79 J)	ND(0.84 J)	ND(0.78 J)	NA	NA
4-Nitrophenol	ND(0.74)	ND(7.9)	ND(0.76)	ND(0.79)	ND(0.84)	ND(0.78)	NA	NA
Acenaphthene	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Acenaphthylene	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Acetophenone	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Anthracene	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Atrazine	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Benzaldehyde	ND(0.19 J)	ND(2.0 J)	ND(0.19 J)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-40-13 12.5 - 14.5 03/25/03	RFI-40-14 0.5 - 2.5 03/25/03	RFI-40-14 4.5 - 6.5 03/25/03	RFI-40-15 2 - 4 04/03/03	RFI-40-15 8 - 10 04/03/03	RFI-40-15 14 - 16 04/03/03	RFI-40-16 0 - 2 08/23/04	RFI-40-17 0 - 2 08/23/04
Benzo(a)anthracene	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Benzo(a)pyrene	ND(0.19)	ND(2.0)	ND(0.19)	0.073 J	ND(0.21)	ND(0.20)	3.5 (RDC)	ND(0.33)
Benzo(b)fluoranthene	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Benzo(g,h,i)perylene	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Benzo(k)fluoranthene	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Biphenyl	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
bis(2-Chloroethoxy)methane	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
bis(2-Chloroethyl)ether	ND(0.036)	ND(0.39)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.038)	NA	NA
bis(2-Ethylhexyl)phthalate	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Butyl benzylphthalate	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Caprolactam	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Carbazole	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Chrysene	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Dibenz(a,h)anthracene	ND(0.19 J)	ND(2.0 J)	ND(0.19 J)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Dibenzofuran	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Diethyl phthalate	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Dimethyl phthalate	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Di-n-butylphthalate	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Di-n-octyl phthalate	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Fluoranthene	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Fluorene	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Hexachlorobenzene	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Hexachlorobutadiene	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Hexachlorocyclopentadiene	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Hexachloroethane	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Indeno(1,2,3-cd)pyrene	ND(0.19 J)	ND(2.0 J)	ND(0.19 J)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Isophorone	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Methylphenols, Total	ND(0.38)	ND(4.0)	ND(0.39)	ND(0.40)	ND(0.43)	ND(0.39)	NA	NA
Naphthalene	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Nitrobenzene	ND(0.074)	ND(0.79)	ND(0.076)	ND(0.079)	ND(0.084)	ND(0.078)	NA	NA
N-Nitrosodi-n-propylamine	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
N-Nitrosodiphenylamine	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Pentachlorophenol	ND(0.74)	ND(7.9)	ND(0.76)	ND(0.79)	ND(0.84)	ND(0.78)	NA	NA
Phenanthrene	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Phenol	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
Pyrene	ND(0.19)	ND(2.0)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.20)	NA	NA
PCB								
Aroclor-1016 (PCB-1016)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.041)	ND(0.044)	ND(0.041)	NA	NA
Aroclor-1221 (PCB-1221)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.041)	ND(0.044)	ND(0.041)	NA	NA
Aroclor-1232 (PCB-1232)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.041)	ND(0.044)	ND(0.041)	NA	NA
Aroclor-1242 (PCB-1242)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.041)	ND(0.044)	ND(0.041)	NA	NA
Aroclor-1248 (PCB-1248)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.041)	ND(0.044)	ND(0.041)	NA	NA
Aroclor-1254 (PCB-1254)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.041)	ND(0.044)	ND(0.041)	NA	NA
Aroclor-1260 (PCB-1260)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.041)	ND(0.044)	ND(0.041)	NA	NA
Total PCBs	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.041)	ND(0.044)	ND(0.041)	NA	NA
Inorganic								
Antimony	0.018 J	0.11 J	0.015 J	ND(0.16 J)	ND(0.18 J)	0.010 J	NA	NA
Arsenic	3.9	3.8	4.6	4.0 J	4.9 J	4.8 J	NA	NA
Barium	20	35	41	65	80	29	NA	NA
Beryllium	0.17	0.25	0.30	0.30 J	0.61 J	0.20 J	NA	NA
Cadmium	ND(0.070)	ND(0.13)	ND(0.096)	ND(0.13)	ND(0.11)	ND(0.10)	NA	NA
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	8.1	8.0	12	13	26	9.8	NA	NA
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	4.0	3.2	5.0	3.9 J	9.5 J	4.7 J	NA	NA
Copper	9.4	17	9.6	9.7 J	16 J	10 J	NA	NA
Cyanide (total)	ND(1.0)	ND(0.20)	ND(1.0)	ND(0.20)	ND(0.30)	1.0	NA	NA
Lead	5.0	24	6.0	11 J	11 J	5.6 J	NA	NA
Manganese	230 J	220 J	190 J	270	220	260	NA	NA
Mercury	0.0089 J	0.027 J	0.0075 J	0.083	0.034 J	0.046 J	NA	NA
Nickel	12	7.5	13	9.6 J	27 J	13 J	NA	NA
Selenium	ND(0.19)	ND(0.20)	ND(0.11)	0.23 J	ND(0.070 J)	0.25 J	NA	NA
Silver	0.044 J	0.028 J	0.046 J	0.049 J	0.085 J	0.055 J	NA	NA
Thallium	0.091 J	0.11 J	0.13 J	0.098 J	0.21	0.13 J	NA	NA
Vanadium	13	14	20	22 J	39 J	16 J	NA	NA
Zinc	22 J	42 J	34 J	42 J	49 J	31 J	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	Units	RFI-40-18 0 - 2 08/23/04	RFI-55-11 1 - 3 09/12/03	RFI-55-11 3 - 5 09/12/03	RFI-55-11 5 - 7 09/12/03	RFI-55-12 1 - 3 09/12/03	RFI-55-12 3 - 5 09/12/03	RFI-55-12 5 - 7 09/12/03	RFI-81-13R 0 - 2 10/16/02	RFI-81-36 8 - 10 03/12/03
Miscellaneous										
Total Petroleum Hydrocarbons	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	%	81	93	90	83	94	95	90	74	85
VOC										
1,1,1-Trichloroethane	mg/kg	NA	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.036)	ND(0.036)	ND(0.038)	NA	NA
1,1,2,2-Tetrachloroethane	mg/kg	NA	ND(0.075)	ND(0.077)	ND(0.084)	ND(0.073)	ND(0.073)	ND(0.076)	NA	NA
1,1,2-Trichloroethane	mg/kg	NA	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.036)	ND(0.036)	ND(0.038)	NA	NA
1,1-Dichloroethane	mg/kg	NA	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.036)	ND(0.036)	ND(0.038)	NA	NA
1,1-Dichloroethene	mg/kg	NA	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.036)	ND(0.036)	ND(0.038)	NA	NA
1,2,4-Trichlorobenzene	mg/kg	NA	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.16)	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NA	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.16)	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	NA	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.16)	NA	NA
1,2-Dichlorobenzene	mg/kg	NA	ND(0.075)	ND(0.077)	ND(0.084)	ND(0.073)	ND(0.073)	ND(0.076)	NA	NA
1,2-Dichloroethane	mg/kg	NA	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.036)	ND(0.036)	ND(0.038)	NA	NA
1,2-Dichloropropane	mg/kg	NA	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.036)	ND(0.036)	ND(0.038)	NA	NA
1,3-Dichlorobenzene	mg/kg	NA	ND(0.075)	ND(0.077)	ND(0.084)	ND(0.073)	ND(0.073)	ND(0.076)	NA	NA
1,4-Dichlorobenzene	mg/kg	NA	ND(0.075)	ND(0.077)	ND(0.084)	ND(0.073)	ND(0.073)	ND(0.076)	NA	NA
2-Butanone (Methyl Ethyl Ketone)	mg/kg	NA	ND(0.32 J)	ND(0.33 J)	ND(0.36 J)	ND(0.31 J)	ND(0.31 J)	ND(0.32 J)	NA	NA
2-Hexanone	mg/kg	NA	ND(0.075)	ND(0.077)	ND(0.084)	ND(0.073)	ND(0.073)	ND(0.076)	NA	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	NA	ND(1.6)	ND(1.6)	ND(1.8)	ND(1.6)	ND(1.6)	ND(1.6)	NA	NA
Acetone	mg/kg	NA	ND(0.32 J)	ND(0.33 J)	ND(0.36 J)	ND(0.31 J)	ND(0.31 J)	ND(0.32 J)	NA	NA
Benzene	mg/kg	NA	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.036)	ND(0.036)	ND(0.038)	NA	NA
Bromodichloromethane	mg/kg	NA	ND(0.075)	ND(0.077)	ND(0.084)	ND(0.073)	ND(0.073)	ND(0.076)	NA	NA
Bromoform	mg/kg	NA	ND(0.075)	ND(0.077)	ND(0.084)	ND(0.073)	ND(0.073)	ND(0.076)	NA	NA
Bromomethane (Methyl Bromide)	mg/kg	NA	ND(0.16 J)	ND(0.16 J)	ND(0.18)	ND(0.16 J)	ND(0.16 J)	ND(0.16 J)	NA	NA
Carbon disulfide	mg/kg	NA	ND(0.16 J)	ND(0.16 J)	ND(0.18)	ND(0.16 J)	ND(0.16 J)	ND(0.16 J)	NA	NA
Carbon tetrachloride	mg/kg	NA	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.036)	ND(0.036)	ND(0.038)	NA	NA
Chlorobenzene	mg/kg	NA	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.036)	ND(0.036)	ND(0.038)	NA	NA
Chloroethane	mg/kg	NA	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.16)	NA	NA
Chloroform (Trichloromethane)	mg/kg	NA	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.036)	ND(0.036)	ND(0.038)	NA	NA
Chloromethane (Methyl Chloride)	mg/kg	NA	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.16)	NA	NA
cis-1,2-Dichloroethene	mg/kg	NA	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.036)	ND(0.036)	ND(0.038)	NA	NA
cis-1,3-Dichloropropene	mg/kg	NA	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.036)	ND(0.036)	ND(0.038)	NA	NA
Cyclohexane	mg/kg	NA	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.16)	NA	NA
Dibromochloromethane	mg/kg	NA	ND(0.075)	ND(0.077)	ND(0.084)	ND(0.073)	ND(0.073)	ND(0.076)	NA	NA
Dichlorodifluoromethane (CFC-12)	mg/kg	NA	ND(0.075)	ND(0.077)	ND(0.084)	ND(0.073)	ND(0.073)	ND(0.076)	NA	NA
Ethylbenzene	mg/kg	NA	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.036)	ND(0.036)	ND(0.038)	NA	NA
Isopropylbenzene	mg/kg	NA	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.16)	NA	NA
m&p-Xylene	mg/kg	NA	ND(0.075)	ND(0.077)	ND(0.084)	ND(0.073)	ND(0.073)	ND(0.076)	NA	NA
Methyl acetate	mg/kg	NA	ND(0.16)	ND(0.16)	ND(0.18 J)	ND(0.16)	ND(0.16)	ND(0.16)	NA	NA
Methyl cyclohexane	mg/kg	NA	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.16)	NA	NA
Methyl Tert Butyl Ether	mg/kg	NA	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.16)	NA	NA
Methylene chloride	mg/kg	NA	ND(0.16)	0.050 J	0.24	ND(0.16)	0.036 J	0.034 J	NA	NA
o-Xylene	mg/kg	NA	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.036)	ND(0.036)	ND(0.038)	NA	NA
Styrene	mg/kg	NA	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.036)	ND(0.036)	ND(0.038)	NA	NA
Tetrachloroethene	mg/kg	NA	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.036)	ND(0.036)	ND(0.038)	NA	NA
Toluene	mg/kg	NA	ND(0.075)	ND(0.077)	ND(0.084)	ND(0.073)	ND(0.073)	ND(0.076)	NA	NA
trans-1,2-Dichloroethene	mg/kg	NA	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.036)	ND(0.036)	ND(0.038)	NA	NA
trans-1,3-Dichloropropene	mg/kg	NA	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.036)	ND(0.036)	ND(0.038)	NA	NA
Trichloroethene	mg/kg	NA	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.036)	ND(0.036)	ND(0.038)	NA	NA
Trichlorofluoromethane (CFC-11)	mg/kg	NA	ND(0.075)	ND(0.077)	ND(0.084)	ND(0.073)	ND(0.073)	ND(0.076)	NA	NA
Trifluorotrichloroethane (Freon 113)	mg/kg	NA	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.16)	NA	NA
Vinyl chloride	mg/kg	NA	ND(0.075)	ND(0.077)	ND(0.084)	ND(0.073)	ND(0.073)	ND(0.076)	NA	NA
Xylenes (total)	mg/kg	NA	ND(0.075)	ND(0.077)	ND(0.084)	ND(0.073)	ND(0.073)	ND(0.076)	NA	NA
SVOC										
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
2,4,5-Trichlorophenol	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
2,4,6-Trichlorophenol	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
2,4-Dichlorophenol	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
2,4-Dimethylphenol	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
2,4-Dinitrophenol	mg/kg	NA	ND(0.72)	ND(0.74)	ND(0.80)	ND(0.72)	ND(7.1)	ND(0.75)	NA	NA
2,4-Dinitrotoluene	mg/kg	NA	ND(0.72)	ND(0.74)	ND(0.80)	ND(0.72)	ND(7.1)	ND(0.75)	NA	NA
2,6-Dinitrotoluene	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
2-Chloronaphthalene	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
2-Chlorophenol	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
2-Methylnaphthalene	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
2-Methylphenol	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
2-Nitroaniline	mg/kg	NA	ND(0.72)	ND(0.74)	ND(0.80)	ND(0.72)	ND(7.1)	ND(0.75)	NA	NA
2-Nitrophenol	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
3&4-Methylphenol	mg/kg	NA	ND(0.36 J)	ND(0.37 J)	ND(0.41 J)	ND(0.36 J)	ND(3.6 J)	ND(0.38 J)	NA	NA
3,3'-Dichlorobenzidine	mg/kg	NA	ND(0.72 J)	ND(0.74)	ND(0.80)	ND(0.72 J)	ND(7.1 J)	ND(0.75)	NA	NA
3-Methylphenol	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	mg/kg	NA	ND(0.72)	ND(0.74)	ND(0.80)	ND(0.72)	ND(7.1)	ND(0.75)	NA	NA
4,6-Dinitro-2-methylpheno	mg/kg	NA	ND(0.72)	ND(0.74)	ND(0.80)	ND(0.72)	ND(7.1)	ND(0.75)	NA	NA
4-Bromophenyl phenyl ether	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
4-Chloro-3-methylpheno	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
4-Chloroaniline	mg/kg	NA	ND(0.72)	ND(0.74)	ND(0.80)	ND(0.72)	ND(7.1)	ND(0.75)	NA	NA
4-Chlorophenyl phenyl ether	mg/kg	NA	ND(0.72)	ND(0.74)	ND(0.80)	ND(0.72)	ND(7.1)	ND(0.75)	NA	NA
4-Nitroaniline	mg/kg	NA	ND(0.72)	ND(0.74)	ND(0.80)	ND(0.72)	ND(7.1)	ND(0.75)	NA	NA
4-Nitrophenol	mg/kg	NA	ND(0.72)	ND(0.74)	ND(0.80)	ND(0.72)	ND(7.1)	ND(0.75)	NA	NA
Acenaphthene	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
Acenaphthylene	mg/kg	NA	0.12 J	ND(0.19)	ND(0.20)	0.069 J	ND(1.8)	ND(0.19)	NA	NA
Acetophenone	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
Anthracene	mg/kg	NA	0.24	ND(0.19)	ND(0.20)	0.10 J	ND(1.8)	ND(0.19)	NA	NA
Atrazine	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
Benzaldehyde	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	Units	RFI-40-18 0 - 2 08/23/04	RFI-55-11 1 - 3 09/12/03	RFI-55-11 3 - 5 09/12/03	RFI-55-11 5 - 7 09/12/03	RFI-55-12 1 - 3 09/12/03	RFI-55-12 3 - 5 09/12/03	RFI-55-12 5 - 7 09/12/03	RFI-81-13R 0 - 2 10/16/02	RFI-81-36 8 - 10 03/12/03
Benzo(a)anthracene	mg/kg	NA	0.88 J	0.15 J	0.11 J	0.46 J	1.4 J	ND(0.19)	NA	NA
Benzo(a)pyrene	mg/kg	ND(0.33)	0.73 J	0.13 J	0.098 J	0.43 J	1.4 J	ND(0.19)	NA	NA
Benzo(b)fluoranthene	mg/kg	NA	0.80 J	0.15 J	0.12 J	0.46 J	1.4 J	ND(0.19)	NA	NA
Benzo(g,h,i)perylene	mg/kg	NA	0.75 J	ND(0.19)	ND(0.20)	0.46 J	ND(1.8)	ND(0.19)	NA	NA
Benzo(k)fluoranthene	mg/kg	NA	0.86 J	0.17 J	0.13 J	0.42 J	1.3 J	ND(0.19)	NA	NA
Biphenyl	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
bis(2-Chloroethoxy)methane	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
bis(2-Chloroethyl)ether	mg/kg	NA	ND(0.035)	ND(0.036)	ND(0.040)	ND(0.035)	ND(0.35)	ND(0.037)	NA	NA
bis(2-Ethylhexyl)phthalate	mg/kg	NA	0.62 J	ND(0.19)	0.089 J	0.083 J	0.99 J	ND(0.19)	NA	NA
Butyl benzylphthalate	mg/kg	NA	ND(0.18 J)	ND(0.19)	ND(0.20)	ND(0.18 J)	ND(1.8 J)	ND(0.19)	NA	NA
Caprolactam	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
Carbazole	mg/kg	NA	0.066 J	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
Chrysene	mg/kg	NA	1.0 J	0.16 J	0.13 J	0.53 J	1.6 J	ND(0.19)	NA	NA
Dibenz(a,h)anthracene	mg/kg	NA	ND(0.18 J)	ND(0.19 J)	ND(0.20 J)	R	ND(1.8 J)	ND(0.19)	NA	NA
Dibenzofuran	mg/kg	NA	0.13 J	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
Diethyl phthalate	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
Dimethyl phthalate	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
Di-n-butylphthalate	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
Di-n-octyl phthalate	mg/kg	NA	ND(0.18 J)	ND(0.19 J)	ND(0.20 J)	R	ND(1.8)	ND(0.19)	NA	NA
Fluoranthene	mg/kg	NA	1.3	0.32	0.24	0.56	1.8 J	ND(0.19)	NA	NA
Fluorene	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
Hexachlorobenzene	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
Hexachlorobutadiene	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
Hexachlorocyclopentadiene	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
Hexachloroethane	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
Indeno(1,2,3-cd)pyrene	mg/kg	NA	ND(0.18 J)	ND(0.19)	ND(0.20)	0.37 J	ND(1.8)	ND(0.19)	NA	NA
Isophorone	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
Methylphenols, Total	mg/kg	NA	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.36)	ND(3.6)	ND(0.38)	NA	NA
Naphthalene	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
Nitrobenzene	mg/kg	NA	ND(0.072)	ND(0.074)	ND(0.080)	ND(0.072)	ND(0.71)	ND(0.075)	NA	NA
N-Nitrosodi-n-propylamine	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
N-Nitrosodiphenylamine	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
Pentachlorophenol	mg/kg	NA	ND(0.72)	ND(0.74)	ND(0.80)	ND(0.72)	ND(7.1)	ND(0.75)	NA	NA
Phenanthrene	mg/kg	NA	1.6	0.25	0.17 J	0.65	2.3	ND(0.19)	NA	NA
Phenol	mg/kg	NA	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(1.8)	ND(0.19)	NA	NA
Pyrene	mg/kg	NA	4.0 J	0.40	0.33	2.4 J	7.1 J	ND(0.19)	NA	NA
PCB										
Aroclor-1016 (PCB-1016)	mg/kg	NA	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.037)	ND(0.039)	NA	NA
Aroclor-1221 (PCB-1221)	mg/kg	NA	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.037)	ND(0.039)	NA	NA
Aroclor-1232 (PCB-1232)	mg/kg	NA	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.037)	ND(0.039)	NA	NA
Aroclor-1242 (PCB-1242)	mg/kg	NA	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.037)	ND(0.039)	NA	NA
Aroclor-1248 (PCB-1248)	mg/kg	NA	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.037)	ND(0.039)	NA	NA
Aroclor-1254 (PCB-1254)	mg/kg	NA	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.037)	ND(0.039)	NA	NA
Aroclor-1260 (PCB-1260)	mg/kg	NA	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.037)	ND(0.039)	NA	NA
Total PCBs	mg/kg	NA	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.037)	ND(0.039)	NA	NA
Inorganic										
Antimony	mg/kg	NA	0.23 J	0.27 J	0.25 J	0.24 J	0.51 J	0.23 J	NA	NA
Arsenic	mg/kg	NA	6.2	7.6	7.7 (RDC)	6.0	6.5	6.6	NA	NA
Barium	mg/kg	NA	36 J	57 J	60 J	23 J	23 J	57 J	NA	NA
Beryllium	mg/kg	NA	27 J	29 J	23 J	25 J	32 J	21 J	NA	NA
Cadmium	mg/kg	NA	0.44 J	0.49 J	0.48 J	0.47 J	0.83 J	0.44 J	NA	NA
Chromium III (Trivalent)	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	mg/kg	NA	12	15	15	9.8	18	12	16 J	NA
Chromium VI (Hexavalent)	mg/kg	NA	NA	NA	NA	NA	NA	NA	ND(0.030)	NA
Cobalt	mg/kg	NA	4.9	7.1	7.1	4.6	4.3	6.7	NA	NA
Copper	mg/kg	NA	10	13	12	11	13	11	NA	NA
Cyanide (total)	mg/kg	NA	ND(0.20)	ND(0.20)	1.6 J	2.9 J	6.3 J	1.1 J	NA	NA
Lead	mg/kg	NA	6.5 J	8.2 J	7.9 J	6.6 J	7.8 J	7.0 J	NA	12,000 (IDC,RDC)
Manganese	mg/kg	NA	NA	240 J	240 J	180 J	230 J	250 J	NA	NA
Mercury	mg/kg	NA	ND(0.071)	ND(0.069)	ND(0.083)	ND(0.074)	ND(0.066)	ND(0.076)	NA	NA
Nickel	mg/kg	NA	14	19	19	14	16	19	NA	NA
Selenium	mg/kg	NA	0.24 J	ND(0.067 J)	0.42 J	0.41 J	1.6 J	ND(0.059 J)	NA	NA
Silver	mg/kg	NA	ND(0.32 J)	ND(0.31 J)	ND(0.31 J)	ND(0.27 J)	ND(0.57 J)	ND(0.26 J)	NA	NA
Thallium	mg/kg	NA	0.28	0.36	0.32	0.26	0.39	0.32	NA	NA
Vanadium	mg/kg	NA	19	25	24	15	18	21	NA	NA
Zinc	mg/kg	NA	34	43	43	32	26	41	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-81-37 8 - 10 03/12/03	RFI-81-38 1 - 3 03/12/03	RFI-81-39R 1.7 - 3.7 04/05/03	RFI-81-39R 7.7 - 9.7 04/05/03	RFI-81-40 0 - 2 03/12/03	RFI-81-41 0 - 2 03/12/03
Miscellaneous						
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA
Total Solids	90	82	94	97	90	89
VOC						
1,1,1-Trichloroethane	NA	47,000 D (IDC,ISVIA,IVSICI,RDC,RSVIA,RVSICI)	ND(0.037)	ND(0.035)	NA	NA
1,1,2,2-Tetrachloroethane	NA	ND(0.083)	ND(0.074)	ND(0.070)	NA	NA
1,1,2-Trichloroethane	NA	0.13	ND(0.037)	ND(0.035)	NA	NA
1,1-Dichloroethane	NA	7,000 D (IDC,ISVIA,IVSICI,RDC,RSVIA,RVSICI)	ND(0.037)	ND(0.035)	NA	NA
1,1-Dichloroethene	NA	10 EJ (ISVIA,IVSICI,RSVIA,RVSICI)	ND(0.037)	ND(0.035)	NA	NA
1,2,4-Trichlorobenzene	NA	ND(0.18)	ND(0.16)	ND(0.15)	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	NA	ND(0.18)	ND(0.16)	ND(0.15 J)	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	NA	ND(0.18)	ND(0.16)	ND(0.15)	NA	NA
1,2-Dichlorobenzene	NA	ND(0.083)	ND(0.074)	ND(0.070)	NA	NA
1,2-Dichloroethane	NA	ND(0.041)	ND(0.037)	ND(0.035)	NA	NA
1,2-Dichloropropane	NA	ND(0.041)	ND(0.037)	ND(0.035)	NA	NA
1,3-Dichlorobenzene	NA	ND(0.083)	ND(0.074)	ND(0.070)	NA	NA
1,4-Dichlorobenzene	NA	ND(0.083)	ND(0.074)	ND(0.070)	NA	NA
2-Butanone (Methyl Ethyl Ketone)	NA	1.1 J	ND(0.32 J)	ND(0.30 J)	NA	NA
2-Hexanone	NA	0.070 J	ND(0.074)	ND(0.070)	NA	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	ND(1.8)	ND(1.6)	ND(1.5)	NA	NA
Acetone	NA	ND(0.36 J)	ND(0.32)	ND(0.30)	NA	NA
Benzene	NA	ND(0.041)	ND(0.037)	ND(0.035)	NA	NA
Bromodichloromethane	NA	ND(0.083)	ND(0.074)	ND(0.070)	NA	NA
Bromoform	NA	ND(0.083)	ND(0.074)	ND(0.070)	NA	NA
Bromomethane (Methyl Bromide)	NA	ND(0.18)	ND(0.16 J)	ND(0.15)	NA	NA
Carbon disulfide	NA	ND(0.18)	ND(0.16)	ND(0.15)	NA	NA
Carbon tetrachloride	NA	ND(0.041)	ND(0.037)	ND(0.035)	NA	NA
Chlorobenzene	NA	0.054	ND(0.037)	ND(0.035)	NA	NA
Chloroethane	NA	ND(0.18)	ND(0.16)	ND(0.15)	NA	NA
Chloroform (Trichloromethane)	NA	0.073	ND(0.037)	ND(0.035)	NA	NA
Chloromethane (Methyl Chloride)	NA	0.22	ND(0.16)	ND(0.15)	NA	NA
cis-1,2-Dichloroethene	NA	0.12	0.041	0.026 J	NA	NA
cis-1,3-Dichloropropene	NA	ND(0.041)	ND(0.037)	ND(0.035)	NA	NA
Cyclohexane	NA	ND(0.18)	ND(0.16)	ND(0.15)	NA	NA
Dibromochloromethane	NA	ND(0.083)	ND(0.074)	ND(0.070)	NA	NA
Dichlorodifluoromethane (CFC-12)	NA	0.44	ND(0.074)	ND(0.070)	NA	NA
Ethylbenzene	NA	0.056	0.83	0.73	NA	NA
Isopropylbenzene	NA	0.050 J	3.0	6.6 D	NA	NA
m&p-Xylene	NA	0.15	3.1	1.9 J	NA	NA
Methyl acetate	NA	0.26 J	0.33 J	0.077 J	NA	NA
Methyl cyclohexane	NA	ND(0.18)	0.16	0.24 J	NA	NA
Methyl Tert Butyl Ether	NA	ND(0.18)	ND(0.16)	ND(0.15)	NA	NA
Methylene chloride	NA	1.2	0.11 J	0.050 J	NA	NA
o-Xylene	NA	0.097	0.60	0.38 J	NA	NA
Styrene	NA	ND(0.041)	ND(0.037)	ND(0.035)	NA	NA
Tetrachloroethene	NA	0.10	ND(0.037)	ND(0.035)	NA	NA
Toluene	NA	1.4	0.049 J	0.031 J	NA	NA
trans-1,2-Dichloroethene	NA	0.093	ND(0.037)	ND(0.035)	NA	NA
trans-1,3-Dichloropropene	NA	ND(0.041)	ND(0.037)	ND(0.035)	NA	NA
Trichloroethene	NA	4.0	ND(0.037)	ND(0.035)	NA	NA
Trichlorofluoromethane (CFC-11)	NA	0.30	ND(0.074)	ND(0.070)	NA	NA
Trifluorotrichloroethane (Freon 113)	NA	64,000 D (IDC,ISVIA,RDC,RSVIA)	ND(0.16)	ND(0.15)	NA	NA
Vinyl chloride	NA	0.50 (RSVIA)	ND(0.074)	ND(0.070)	NA	NA
Xylenes (total)	NA	0.25	3.7	2.3 J	NA	NA
SVOC						
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
2,4,5-Trichlorophenol	NA	R	ND(0.91)	ND(0.88)	NA	NA
2,4,6-Trichlorophenol	NA	R	ND(0.91)	ND(0.88)	NA	NA
2,4-Dichlorophenol	NA	R	ND(0.91)	ND(0.88)	NA	NA
2,4-Dimethylphenol	NA	R	ND(0.91)	ND(0.88)	NA	NA
2,4-Dinitrophenol	NA	R	ND(3.6)	ND(3.5)	NA	NA
2,4-Dinitrotoluene	NA	ND(20)	ND(3.6)	ND(3.5)	NA	NA
2,6-Dinitrotoluene	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
2-Chloronaphthalene	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
2-Chlorophenol	NA	R	ND(0.91)	ND(0.88)	NA	NA
2-Methylnaphthalene	NA	12	1.8	1.7	NA	NA
2-Methylphenol	NA	R	ND(0.91)	ND(0.88)	NA	NA
2-Nitroaniline	NA	ND(20)	ND(3.6)	ND(3.5)	NA	NA
2-Nitrophenol	NA	R	ND(0.91)	ND(0.88)	NA	NA
3&4-Methylphenol	NA	R	ND(1.8 J)	ND(1.8 J)	NA	NA
3,3'-Dichlorobenzidine	NA	ND(20)	ND(3.6)	ND(3.5)	NA	NA
3-Methylphenol	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	ND(20)	ND(3.6)	ND(3.5)	NA	NA
4,6-Dinitro-2-methylpheno	NA	R	ND(3.6)	ND(3.5)	NA	NA
4-Bromophenyl phenyl ether	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
4-Chloro-3-methylpheno	NA	R	ND(0.91)	ND(0.88)	NA	NA
4-Chloroaniline	NA	ND(20)	ND(3.6)	ND(3.5)	NA	NA
4-Chlorophenyl phenyl ether	NA	ND(20)	ND(3.6)	ND(3.5)	NA	NA
4-Nitroaniline	NA	ND(20)	ND(3.6)	ND(3.5)	NA	NA
4-Nitrophenol	NA	R	ND(3.6)	ND(3.5)	NA	NA
Acenaphthene	NA	ND(5.2)	0.40 J	ND(0.88)	NA	NA
Acenaphthylene	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
Acetophenone	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
Anthracene	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
Atrazine	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
Benzaldehyde	NA	ND(5.2)	ND(0.91 J)	ND(0.88 J)	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-81-37 8 - 10 03/12/03	RFI-81-38 1 - 3 03/12/03	RFI-81-39R 1.7 - 3.7 04/05/03	RFI-81-39R 7.7 - 9.7 04/05/03	RFI-81-40 0 - 2 03/12/03	RFI-81-41 0 - 2 03/12/03
Benzo(a)anthracene	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
Benzo(a)pyrene	NA	ND(5.2)	ND(0.91)	ND(0.88 J)	NA	NA
Benzo(b)fluoranthene	NA	ND(5.2)	ND(0.91)	ND(0.88 J)	NA	NA
Benzo(g,h,i)perylene	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
Benzo(k)fluoranthene	NA	ND(5.2)	ND(0.91)	ND(0.88 J)	NA	NA
Biphenyl	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
bis(2-Chloroethoxy)methane	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
bis(2-Chloroethyl)ether	NA	ND(1.0 J)	ND(0.18)	ND(0.17)	NA	NA
bis(2-Ethylhexyl)phthalate	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
Butyl benzylphthalate	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
Caprolactam	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
Carbazole	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
Chrysene	NA	ND(5.2)	0.35 J	ND(0.88)	NA	NA
Dibenz(a,h)anthracene	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
Dibenzofuran	NA	ND(5.2)	0.29 J	ND(0.88)	NA	NA
Diethyl phthalate	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
Dimethyl phthalate	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
Di-n-butylphthalate	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
Di-n-octyl phthalate	NA	ND(5.2)	ND(0.91)	ND(0.88 J)	NA	NA
Fluoranthene	NA	ND(5.2)	1.1	0.39 J	NA	NA
Fluorene	NA	ND(5.2)	0.55 J	ND(0.88)	NA	NA
Hexachlorobenzene	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
Hexachlorobutadiene	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
Hexachlorocyclopentadiene	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
Hexachloroethane	NA	ND(5.2 J)	ND(0.91)	ND(0.88)	NA	NA
Indeno(1,2,3-cd)pyrene	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
Isophorone	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
Methylphenols, Total	NA	R	ND(1.8)	ND(1.8)	NA	NA
Naphthalene	NA	5.9	5.4	7.8	NA	NA
Nitrobenzene	NA	ND(2.0)	ND(0.36)	ND(0.35)	NA	NA
N-Nitrosodi-n-propylamine	NA	ND(5.2)	ND(0.91)	ND(0.88)	NA	NA
N-Nitrosodiphenylamine	NA	ND(5.2 J)	ND(0.91)	ND(0.88)	NA	NA
Pentachlorophenol	NA	ND(20)	ND(3.6)	ND(3.5)	NA	NA
Phenanthrene	NA	ND(5.2)	1.9	0.54 J	NA	NA
Phenol	NA	ND(5.2 J)	ND(0.91)	ND(0.88)	NA	NA
Pyrene	NA	ND(5.2)	1.1	0.53 J	NA	NA
PCB						
Aroclor-1016 (PCB-1016)	NA	ND(0.043)	ND(0.037)	ND(0.036)	NA	NA
Aroclor-1221 (PCB-1221)	NA	ND(0.043)	ND(0.037)	ND(0.036)	NA	NA
Aroclor-1232 (PCB-1232)	NA	ND(0.043)	ND(0.037)	ND(0.036)	NA	NA
Aroclor-1242 (PCB-1242)	NA	ND(0.043)	ND(0.037)	ND(0.036)	NA	NA
Aroclor-1248 (PCB-1248)	NA	ND(0.043)	ND(0.037)	ND(0.036)	NA	NA
Aroclor-1254 (PCB-1254)	NA	ND(0.043)	ND(0.037)	ND(0.036)	NA	NA
Aroclor-1260 (PCB-1260)	NA	ND(0.043)	ND(0.037)	ND(0.036)	NA	NA
Total PCBs	NA	ND(0.043)	ND(0.037)	ND(0.036)	NA	NA
Inorganic						
Antimony	NA	0.075 J	0.071 J	0.025 J	NA	NA
Arsenic	NA	2.1 J	6.2 J	1.7 J	8.1 J (RDC)	5.1 J
Barium	NA	15 J	57	16	NA	NA
Beryllium	NA	0.039 J	0.56 J	0.18 J	NA	NA
Cadmium	NA	0.50	0.16	ND(0.055)	NA	NA
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA
Chromium Total	NA	3.7	24	5.3	NA	NA
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA
Cobalt	NA	0.34	3.9 J	1.7 J	NA	NA
Copper	NA	6.0	25 J	4.5 J	NA	NA
Cyanide (total)	NA	ND(0.20)	ND(0.20)	ND(0.20)	NA	NA
Lead	5,000 (IDC,RDC)	5.8 J	49 J	5.8 J	NA	NA
Manganese	NA	19 J	540	100	NA	NA
Mercury	NA	0.019 J	0.092	0.081	NA	NA
Nickel	NA	1.4	11 J	4.8 J	NA	NA
Selenium	NA	0.047 J	0.17 J	0.10 J	NA	NA
Silver	NA	0.072 J	0.41	0.019 J	NA	NA
Thallium	NA	ND(0.16)	0.087 J	0.041 J	NA	NA
Vanadium	NA	2.2	19 J	7.2 J	NA	NA
Zinc	NA	110 J	33 J	16 J	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-81-42 0.7 - 2 04/05/03	RFI-81-50 4 - 6 03/09/05	RFI-81-51 0 - 2 03/07/05	RFI-81-51 8 - 10 03/07/05	RFI-81-51 11 - 13 03/07/05	RFI-83/84-17R 1 - 3 03/06/03	RFI-83/84-30 0.7 - 2.7 09/04/02	RFI-83/84-30 8.7 - 10.7 09/04/02
Miscellaneous								
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	89	82 [86]	91	92	82	93	94	82
VOC								
1,1,1-Trichloroethane	ND(0.038)	ND(0.060) [ND(0.060)]	ND(0.060)	0.040 J	0.010 J	NA	NA	NA
1,1,2,2-Tetrachloroethane	ND(0.076)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
1,1,2-Trichloroethane	ND(0.038)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
1,1-Dichloroethane	ND(0.038)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
1,1-Dichloroethene	ND(0.038)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
1,2,4-Trichlorobenzene	ND(0.16)	ND(0.10) [ND(0.10)]	ND(0.10 J)	ND(0.10 J)	ND(0.10 J)	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16)	ND(0.060 J) [ND(0.060 J)]	R	R	R	NA	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.16)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
1,2-Dichlorobenzene	ND(0.076)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
1,2-Dichloroethane	ND(0.038)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
1,2-Dichloropropane	ND(0.038)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
1,3-Dichlorobenzene	ND(0.076)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
1,4-Dichlorobenzene	ND(0.076)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
2-Butanone (Methyl Ethyl Ketone)	ND(0.32 J)	ND(0.90) [ND(0.90)]	ND(0.90)	ND(0.80)	ND(0.90)	NA	NA	NA
2-Hexanone	ND(0.076)	ND(3.0 J) [ND(3.0 J)]	ND(3.0 J)	ND(3.0 J)	ND(3.0 J)	NA	NA	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(1.6)	ND(3.0) [ND(3.0)]	ND(3.0)	ND(3.0)	ND(3.0)	NA	NA	NA
Acetone	ND(0.32)	ND(0.90 J) [ND(0.90 J)]	ND(0.90 J)	ND(0.80 J)	ND(0.90 J)	NA	NA	NA
Benzene	ND(0.038)	ND(0.060) [ND(0.060)]	ND(0.060)	0.0070 J	ND(0.060)	NA	NA	NA
Bromodichloromethane	ND(0.076)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
Bromoform	ND(0.076)	ND(0.060 J) [ND(0.060 J)]	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)	NA	NA	NA
Bromomethane (Methyl Bromide)	ND(0.16 J)	R [R]	R	R	R	NA	NA	NA
Carbon disulfide	ND(0.16)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Carbon tetrachloride	ND(0.038)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
Chlorobenzene	ND(0.038)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
Chloroethane	ND(0.16)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Chloroform (Trichloromethane)	ND(0.038)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
Chloromethane (Methyl Chloride)	ND(0.16)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
cis-1,2-Dichloroethene	ND(0.038)	ND(0.060) [ND(0.060)]	0.38	ND(0.060)	0.010 J	NA	NA	NA
cis-1,3-Dichloropropene	ND(0.038)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
Cyclohexane	ND(0.16)	ND(0.060 J) [ND(0.060 J)]	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)	NA	NA	NA
Dibromochloromethane	ND(0.076)	ND(0.060) [ND(0.060)]	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ND(0.076)	ND(0.060) [ND(0.060)]	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)	NA	NA	NA
Ethylbenzene	0.090	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
Isopropylbenzene	0.23	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
m&p-Xylene	0.38	ND(0.060) [ND(0.060)]	0.040 J	0.030 J	ND(0.060)	NA	NA	NA
Methyl acetate	0.078 J	ND(3.0) [ND(3.0)]	1.0 J	ND(3.0)	ND(3.0)	NA	NA	NA
Methyl cyclohexane	0.056 J	ND(0.060) [ND(0.060)]	0.070	0.070	ND(0.060)	NA	NA	NA
Methyl Tert Butyl Ether	ND(0.16)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Methylene chloride	0.13 J	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
o-Xylene	0.24	ND(0.060) [ND(0.060)]	0.030 J	0.010 J	ND(0.060)	NA	NA	NA
Styrene	ND(0.038)	ND(0.060) [ND(0.060)]	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
Tetrachloroethene	0.037 J	ND(0.060) [ND(0.060)]	0.62	2.5	0.41	NA	NA	NA
Toluene	0.034 J	ND(0.060) [ND(0.060)]	0.030 J	0.040 J	ND(0.060)	NA	NA	NA
trans-1,2-Dichloroethene	ND(0.038)	ND(0.060) [ND(0.060)]	0.030 J	ND(0.060)	ND(0.060)	NA	NA	NA
trans-1,3-Dichloropropene	ND(0.038)	ND(0.060) [ND(0.060)]	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)	NA	NA	NA
Trichloroethene	ND(0.038)	ND(0.060) [ND(0.060)]	1.3	7.4 (RSVIA)	1.5	NA	NA	NA
Trichlorofluoromethane (CFC-11)	ND(0.076)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	NA	NA	NA
Trifluorotrchloroethane (Freon 113)	ND(0.16)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	NA	NA	NA
Vinyl chloride	ND(0.076)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	NA	NA	NA
Xylenes (total)	0.62	ND(0.060) [ND(0.060)]	0.070 J	0.040 J	ND(0.060)	NA	NA	NA
SVOC								
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	ND(0.96)	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
2,4,5-Trichlorophenol	R	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
2,4,6-Trichlorophenol	R	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
2,4-Dichlorophenol	R	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
2,4-Dimethylphenol	R	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
2,4-Dinitrophenol	R	ND(0.60 J) [ND(0.60 J)]	ND(0.70 J)	ND(0.70 J)	ND(0.70 J)	NA	NA	NA
2,4-Dinitrotoluene	ND(3.8)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
2,6-Dinitrotoluene	ND(0.96)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
2-Chloronaphthalene	ND(0.96)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
2-Chlorophenol	R	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
2-Methylnaphthalene	2.1	ND(0.30) [ND(0.30 J)]	ND(0.30)	0.020 J	ND(0.30)	NA	NA	NA
2-Methylphenol	R	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
2-Nitroaniline	ND(3.8)	ND(0.60) [ND(0.60)]	ND(0.70)	ND(0.70)	ND(0.70)	NA	NA	NA
2-Nitrophenol	R	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
3&4-Methylphenol	R	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	ND(3.8)	ND(0.60) [ND(0.60 J)]	ND(0.70)	ND(0.70)	ND(0.70)	NA	NA	NA
3-Methylphenol	NA	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
3-Nitroaniline	ND(3.8)	ND(0.60) [ND(0.60 J)]	ND(0.70)	ND(0.70)	ND(0.70)	NA	NA	NA
4,6-Dinitro-2-methylpheno	ND(3.8)	ND(0.60 J) [ND(0.60 J)]	ND(0.70 J)	ND(0.70 J)	ND(0.70 J)	NA	NA	NA
4-Bromophenyl phenyl ether	ND(0.96)	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
4-Chloro-3-methylpheno	R	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
4-Chloroaniline	ND(3.8)	ND(0.60) [ND(0.60 J)]	ND(0.70)	ND(0.70)	ND(0.70)	NA	NA	NA
4-Chlorophenyl phenyl ether	ND(3.8)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
4-Nitroaniline	ND(3.8)	ND(0.60) [ND(0.60)]	ND(0.70)	ND(0.70)	ND(0.70)	NA	NA	NA
4-Nitrophenol	R	ND(0.60) [ND(0.60)]	ND(0.70)	ND(0.70)	ND(0.70)	NA	NA	NA
Acenaphthene	0.36 J	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Acenaphthylene	ND(0.96)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Acetophenone	ND(0.96)	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Anthracene	0.59 J	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Atrazine	ND(0.96)	ND(0.30) [ND(0.30)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Benzaldehyde	ND(0.96 J)	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-81-42 0.7 - 2 04/05/03	RFI-81-50 4 - 6 03/09/05	RFI-81-51 0 - 2 03/07/05	RFI-81-51 8 - 10 03/07/05	RFI-81-51 11 - 13 03/07/05	RFI-83/84-17R 1 - 3 03/06/03	RFI-83/84-30 0.7 - 2.7 09/04/02	RFI-83/84-30 8.7 - 10.7 09/04/02
Benzo(a)anthracene	1.9	ND(0.30) [ND(0.30 J)]	0.040 J	0.020 J	0.020 J	NA	NA	NA
Benzo(a)pyrene	2.0 J	ND(0.30) [ND(0.30 J)]	0.050 J	0.020 J	0.020 J	NA	NA	NA
Benzo(b)fluoranthene	2.1 J	ND(0.30) [ND(0.30 J)]	0.060 J	0.020 J	0.020 J	NA	NA	NA
Benzo(g,h,i)perylene	2.0 J	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Benzo(k)fluoranthene	2.1 J	ND(0.30) [ND(0.30 J)]	0.040 J	ND(0.30)	0.020 J	NA	NA	NA
Biphenyl	ND(0.96)	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
bis(2-Chloroethoxy)methane	ND(0.96)	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
bis(2-Chloroethyl)ether	ND(0.19)	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
bis(2-Ethylhexyl)phthalate	0.50 J	ND(0.30) [ND(0.30 J)]	0.050 J	ND(0.30)	ND(0.30)	NA	NA	NA
Butyl benzylphthalate	ND(0.96)	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Caprolactam	ND(0.96)	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Carbazole	0.44 J	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Chrysene	2.2	ND(0.30) [ND(0.30 J)]	0.050 J	0.040 J	0.020 J	NA	NA	NA
Dibenz(a,h)anthracene	0.72 J	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Dibenzofuran	ND(0.96)	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Diethyl phthalate	ND(0.96)	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Dimethyl phthalate	ND(0.96)	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Di-n-butylphthalate	ND(0.96)	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Di-n-octyl phthalate	ND(0.96 J)	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Fluoranthene	3.7	ND(0.30) [ND(0.30 J)]	0.060 J	0.020 J	0.030 J	NA	NA	NA
Fluorene	0.60 J	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Hexachlorobenzene	ND(0.96)	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Hexachlorobutadiene	ND(0.96)	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Hexachlorocyclopentadiene	ND(0.96)	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Hexachloroethane	ND(0.96)	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Indeno(1,2,3-cd)pyrene	1.4 J	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Isophorone	ND(0.96)	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Methylphenols, Total	R	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Naphthalene	1.2	ND(0.30) [ND(0.30 J)]	ND(0.30)	0.020 J	ND(0.30)	NA	NA	NA
Nitrobenzene	ND(0.38)	ND(0.30) [ND(0.30 J)]	ND(0.20)	ND(0.20)	ND(0.20)	NA	NA	NA
N-Nitrosodi-n-propylamine	ND(0.96)	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
N-Nitrosodiphenylamine	ND(0.96)	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Pentachlorophenol	R	ND(0.60) [ND(0.60 J)]	ND(0.70)	ND(0.70)	ND(0.70)	NA	NA	NA
Phenanthrene	2.8	ND(0.30) [ND(0.30 J)]	0.040 J	0.040 J	0.020 J	NA	NA	NA
Phenol	R	ND(0.30) [ND(0.30 J)]	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Pyrene	7.1	ND(0.30) [ND(0.30 J)]	0.070 J	ND(0.30)	ND(0.30)	NA	NA	NA
PCB								
Aroclor-1016 (PCB-1016)	ND(0.039)	ND(0.33) [ND(0.33 J)]	ND(0.33)	ND(0.33)	ND(0.33)	NA	NA	NA
Aroclor-1221 (PCB-1221)	ND(0.039)	ND(0.33) [ND(0.33 J)]	ND(0.33)	ND(0.33)	ND(0.33)	NA	NA	NA
Aroclor-1232 (PCB-1232)	ND(0.039)	ND(0.33) [ND(0.33 J)]	ND(0.33)	ND(0.33)	ND(0.33)	NA	NA	NA
Aroclor-1242 (PCB-1242)	1.1	ND(0.33) [ND(0.33 J)]	ND(0.33)	ND(0.33)	ND(0.33)	NA	NA	NA
Aroclor-1248 (PCB-1248)	ND(0.039)	ND(0.33) [ND(0.33 J)]	ND(0.33)	ND(0.33)	ND(0.33)	NA	NA	NA
Aroclor-1254 (PCB-1254)	0.81	ND(0.33) [ND(0.33 J)]	ND(0.33)	ND(0.33)	ND(0.33)	NA	NA	NA
Aroclor-1260 (PCB-1260)	ND(0.039)	ND(0.33) [ND(0.33 J)]	ND(0.33)	ND(0.33)	ND(0.33)	NA	NA	NA
Total PCBs	1.9	ND(0.33) [ND(0.33 J)]	ND(0.33)	ND(0.33)	ND(0.33)	NA	NA	NA
Inorganic								
Antimony	0.15 J	ND(0.50) [ND(0.50 J)]	ND(0.50)	ND(0.50)	ND(0.50)	NA	0.17 J	0.033 J
Arsenic	3.6 J	0.80 J [0.83 J]	1.5 J	1.7 J	2.6 J	NA	2.4	6.2
Barium	50	22 J [30 J]	12 J	15 J	19 J	NA	17	90
Beryllium	0.37 J	0.20 [0.18]	ND(0.10)	0.13	ND(0.10)	NA	0.17	1.1
Cadmium	0.98	ND(0.14) [ND(0.13 J)]	0.21	0.14	0.86	NA	0.16	0.19
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	26	4.1 [3.4]	2.6	5.6	17	NA	24 J	24 J
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	4.0 J	2.2 J [3.7 J]	1.4	3.7	2.3	NA	1.9	9.0
Copper	44 J	3.8 [2.6]	16	10	20	NA	61	34
Cyanide (total)	0.27	ND(0.10) [ND(0.10 J)]	ND(0.10)	ND(0.10)	ND(0.10)	NA	NA	NA
Lead	200 J	5.5 [5.4]	17	20	9.1	1,800 (IDC,RDC)	42	73
Manganese	180	91 J [330 J]	110	300	200	NA	200 J	340 J
Mercury	0.37	ND(0.050) [ND(0.050 J)]	ND(0.050)	ND(0.050)	ND(0.050)	NA	0.058 J	0.030 J
Nickel	23 J	3.8 [5.9]	3.6	6.6	9.0	NA	13	30
Selenium	0.14 J	ND(0.20) [ND(0.20 J)]	ND(0.20)	ND(0.20)	ND(0.20)	NA	0.15 J	ND(0.067 J)
Silver	0.67	ND(0.20 J) [ND(0.20 J)]	ND(0.20)	ND(0.20)	ND(0.20)	NA	0.023 J	0.090 J
Thallium	0.039 J	ND(0.10) [ND(0.10 J)]	ND(0.10)	ND(0.10)	ND(0.10)	NA	0.047 J	0.20
Vanadium	14 J	6.3 [5.1]	3.2	4.2	10	NA	6.8	29
Zinc	74 J	14 J [9.9 J]	19 J	17 J	280 J	NA	16 J	43 J

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-83/84-31 1 - 3 09/04/02	RFI-83/84-31 7 - 9 09/04/02	RFI-83/84-32 0.7 - 2.7 09/04/02	RFI-83/84-33 1.2 - 3.2 09/04/02	RFI-83/84-33 7.2 - 9.2 09/04/02	RFI-83/84-34 0.7 - 2.7 09/04/02	RFI-83/84-35 0.7 - 2.7 09/04/02	RFI-83/84-36 0.7 - 2.7 09/04/02
Miscellaneous								
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	98	94	92	92 [91]	81	97	87	81
VOC								
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (Methyl Ethyl Ketone)	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane (Methyl Bromide)	NA	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform (Trichloromethane)	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane (Methyl Chloride)	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylene	NA	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	NA	NA	NA	NA	NA	NA	NA	NA
Methyl cyclohexane	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Tert Butyl Ether	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (CFC-11)	NA	NA	NA	NA	NA	NA	NA	NA
Trifluorotrichloroethane (Freon 113)	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	NA	NA	NA	NA	NA	NA	NA	NA
SVOC								
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA
3&4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	NA	NA	NA
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylpheno	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylpheno	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	NA	NA	NA	NA	NA	NA	NA	NA
Atrazine	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	NA	NA	NA	NA	NA	NA	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-83/84-31 1 - 3 09/04/02	RFI-83/84-31 7 - 9 09/04/02	RFI-83/84-32 0.7 - 2.7 09/04/02	RFI-83/84-33 1.2 - 3.2 09/04/02	RFI-83/84-33 7.2 - 9.2 09/04/02	RFI-83/84-34 0.7 - 2.7 09/04/02	RFI-83/84-35 0.7 - 2.7 09/04/02	RFI-83/84-36 0.7 - 2.7 09/04/02
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA
Biphenyl	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzylphthalate	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA	NA	NA	NA	NA
Methylphenols, Total	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	NA	NA	NA	NA	NA	NA	NA	NA
PCB								
Aroclor-1016 (PCB-1016)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA	NA	NA
Inorganic								
Antimony	0.033 J	0.15 J	0.18 J	0.029 J [0.032 J]	R	NA	NA	NA
Arsenic	3.0	2.2	5.0	4.7 [4.2]	6.4	NA	NA	NA
Barium	9.8	31	71	44 [46]	58	NA	NA	NA
Beryllium	0.11	0.19	0.22	0.59 [0.54]	0.66	NA	NA	NA
Cadmium	0.068	0.15	22	0.84 [1.0]	0.42	NA	NA	NA
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	5.6 J	24 J	27 J	14 J [9.5 J]	17 J	NA	NA	NA
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	2.2	2.5	2.4	5.5 [4.2]	6.8	NA	NA	NA
Copper	4.8	18	680	61 [48]	35	NA	NA	NA
Cyanide (total)	NA	NA	NA	NA	NA	NA	NA	NA
Lead	3.6	37	110	51 [70]	53	35	3,900 (IDC,RDC)	200
Manganese	140 J	200 J	240 J	180 J [360 J]	290 J	NA	NA	NA
Mercury	ND(0.066)	1.1 D	0.65 D	0.12 [0.045 J]	0.017 J	NA	NA	NA
Nickel	6.9	14	9.0	16 [14]	19	NA	NA	NA
Selenium	0.13 J	0.096 J	0.045 J	ND(0.066 J) [0.13 J]	0.26 J	NA	NA	NA
Silver	0.044 J	0.044 J	0.13 J	0.077 J [0.048 J]	0.091 J	NA	NA	NA
Thallium	0.055 J	0.17	0.048 J	0.20 [0.20]	0.26	NA	NA	NA
Vanadium	9.4	10	9.2	21 [17]	27	NA	NA	NA
Zinc	19 J	23 J	77 J	170 J [170 J]	110 J	NA	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-83/84-37 0.7 - 2.7 09/04/02	RFI-83/84-38 5 - 7 03/12/03	RFI-83/84-39 0.9 - 2.9 03/07/03	RFI-83/84-39 1.1 - 3.1 03/19/03	RFI-83/84-39 5.1 - 7.1 03/19/03	RFI-83/84-40 1 - 2.5 03/06/03	RFI-83/84-41 1 - 2 03/05/03	RFI-83/84-42 1 - 3 03/05/03
Miscellaneous								
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	92	94	92	97	94	83	93	95
VOC								
1,1,1-Trichloroethane	NA	NA	ND(0.037)	ND(0.036)	ND(0.036)	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	ND(0.074)	ND(0.072 J)	ND(0.071 J)	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	ND(0.037 J)	ND(0.036)	ND(0.036)	NA	NA	NA
1,1-Dichloroethane	NA	NA	ND(0.037)	ND(0.036)	ND(0.036)	NA	NA	NA
1,1-Dichloroethene	NA	NA	ND(0.037)	ND(0.036)	ND(0.036)	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	ND(0.16)	ND(0.15)	ND(0.15)	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	ND(0.16 J)	ND(0.15)	ND(0.15)	NA	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	ND(0.16 J)	ND(0.15)	ND(0.15)	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	ND(0.074)	ND(0.072)	ND(0.071)	NA	NA	NA
1,2-Dichloroethane	NA	NA	ND(0.037)	ND(0.036)	ND(0.036)	NA	NA	NA
1,2-Dichloropropane	NA	NA	ND(0.037 J)	ND(0.036)	ND(0.036)	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	ND(0.074)	ND(0.072)	ND(0.071)	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	ND(0.074)	ND(0.072)	ND(0.071)	NA	NA	NA
2-Butanone (Methyl Ethyl Ketone)	NA	NA	0.063 J	ND(0.31 J)	ND(0.31 J)	NA	NA	NA
2-Hexanone	NA	NA	ND(0.074)	ND(0.072 J)	ND(0.071 J)	NA	NA	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	ND(1.6)	ND(1.5 J)	ND(1.5 J)	NA	NA	NA
Acetone	NA	NA	0.33 J	0.044 J	ND(0.31 J)	NA	NA	NA
Benzene	NA	NA	ND(0.037)	ND(0.036)	ND(0.036)	NA	NA	NA
Bromodichloromethane	NA	NA	ND(0.074)	ND(0.072)	ND(0.071)	NA	NA	NA
Bromoform	NA	NA	ND(0.074)	ND(0.072)	ND(0.071)	NA	NA	NA
Bromomethane (Methyl Bromide)	NA	NA	ND(0.16 J)	ND(0.15)	ND(0.15)	NA	NA	NA
Carbon disulfide	NA	NA	ND(0.16)	ND(0.15 J)	ND(0.15 J)	NA	NA	NA
Carbon tetrachloride	NA	NA	ND(0.037)	ND(0.036)	ND(0.036)	NA	NA	NA
Chlorobenzene	NA	NA	ND(0.037)	ND(0.036)	ND(0.036)	NA	NA	NA
Chloroethane	NA	NA	ND(0.16 J)	ND(0.15)	ND(0.15)	NA	NA	NA
Chloroform (Trichloromethane)	NA	NA	ND(0.037)	ND(0.036)	ND(0.036)	NA	NA	NA
Chloromethane (Methyl Chloride)	NA	NA	ND(0.16)	ND(0.15)	ND(0.15)	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	ND(0.037 J)	ND(0.036)	ND(0.036)	NA	NA	NA
cis-1,3-Dichloropropene	NA	NA	ND(0.037)	ND(0.036)	ND(0.036)	NA	NA	NA
Cyclohexane	NA	NA	ND(0.16)	ND(0.15)	ND(0.15)	NA	NA	NA
Dibromochloromethane	NA	NA	ND(0.074)	ND(0.072)	ND(0.071)	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	NA	NA	ND(0.074)	ND(0.072)	ND(0.071)	NA	NA	NA
Ethylbenzene	NA	NA	ND(0.037)	ND(0.036)	ND(0.036)	NA	NA	NA
Isopropylbenzene	NA	NA	ND(0.16)	ND(0.15)	ND(0.15)	NA	NA	NA
m&p-Xylene	NA	NA	0.051 J	ND(0.072)	ND(0.071)	NA	NA	NA
Methyl acetate	NA	NA	0.53 J	ND(0.15 J)	ND(0.15 J)	NA	NA	NA
Methyl cyclohexane	NA	NA	0.087 J	ND(0.15 J)	ND(0.15 J)	NA	NA	NA
Methyl Tert Butyl Ether	NA	NA	ND(0.16 J)	ND(0.15 J)	ND(0.15 J)	NA	NA	NA
Methylene chloride	NA	NA	0.028 J	0.034 J	0.029 J	NA	NA	NA
o-Xylene	NA	NA	0.030 J	ND(0.036)	ND(0.036)	NA	NA	NA
Styrene	NA	NA	ND(0.037)	ND(0.036)	ND(0.036)	NA	NA	NA
Tetrachloroethene	NA	NA	ND(0.037 J)	ND(0.036)	ND(0.036)	NA	NA	NA
Toluene	NA	NA	0.033 J	ND(0.072)	ND(0.071)	NA	NA	NA
trans-1,2-Dichloroethene	NA	NA	ND(0.037)	ND(0.036)	ND(0.036)	NA	NA	NA
trans-1,3-Dichloropropene	NA	NA	ND(0.037)	ND(0.036)	ND(0.036)	NA	NA	NA
Trichloroethene	NA	NA	ND(0.037)	ND(0.036)	ND(0.036)	NA	NA	NA
Trichlorofluoromethane (CFC-11)	NA	NA	ND(0.074)	ND(0.072)	ND(0.071)	NA	NA	NA
Trifluorotrichloroethane (Freon 113)	NA	NA	ND(0.16)	ND(0.15)	ND(0.15)	NA	NA	NA
Vinyl chloride	NA	NA	ND(0.074)	ND(0.072)	ND(0.071)	NA	NA	NA
Xylenes (total)	NA	NA	0.081 J	ND(0.072)	ND(0.071)	NA	NA	NA
SVOC								
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
2,4-Dichlorophenol	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
2,4-Dimethylphenol	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
2,4-Dinitrophenol	NA	NA	ND(18)	ND(0.69)	ND(0.71)	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	ND(18)	ND(0.69)	ND(0.71)	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
2-Chloronaphthalene	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
2-Chlorophenol	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
2-Methylnaphthalene	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
2-Methylphenol	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
2-Nitroaniline	NA	NA	ND(18)	ND(0.69)	ND(0.71)	NA	NA	NA
2-Nitrophenol	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
3&4-Methylphenol	NA	NA	ND(9.3 J)	ND(0.35 J)	ND(0.36 J)	NA	NA	NA
3,3'-Dichlorobenzidine	NA	NA	ND(18)	ND(0.69)	ND(0.71)	NA	NA	NA
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	ND(18)	ND(0.69)	ND(0.71)	NA	NA	NA
4,6-Dinitro-2-methylpheno	NA	NA	ND(18)	ND(0.69)	ND(0.71)	NA	NA	NA
4-Bromophenyl phenyl ether	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
4-Chloro-3-methylpheno	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
4-Chloroaniline	NA	NA	ND(18)	ND(0.69)	ND(0.71)	NA	NA	NA
4-Chlorophenyl phenyl ether	NA	NA	ND(18)	ND(0.69)	ND(0.71)	NA	NA	NA
4-Nitroaniline	NA	NA	ND(18)	ND(0.69)	ND(0.71)	NA	NA	NA
4-Nitrophenol	NA	NA	ND(18)	ND(0.69)	ND(0.71)	NA	NA	NA
Acenaphthene	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Acenaphthylene	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Acetophenone	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Anthracene	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Atrazine	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Benzaldehyde	NA	NA	ND(4.6 J)	R	R	NA	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-83/84-37 0.7 - 2.7 09/04/02	RFI-83/84-38 5 - 7 03/12/03	RFI-83/84-39 0.9 - 2.9 03/07/03	RFI-83/84-39 1.1 - 3.1 03/19/03	RFI-83/84-39 5.1 - 7.1 03/19/03	RFI-83/84-40 1 - 2.5 03/06/03	RFI-83/84-41 1 - 2 03/05/03	RFI-83/84-42 1 - 3 03/05/03
Benzo(a)anthracene	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Benzo(a)pyrene	NA	NA	ND(4.6 J)	ND(0.18)	ND(0.18)	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	ND(4.6 J)	ND(0.18)	ND(0.18)	NA	NA	NA
Benzo(g,h,i)perylene	NA	NA	ND(4.6 J)	ND(0.18)	ND(0.18)	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	ND(4.6 J)	ND(0.18)	ND(0.18)	NA	NA	NA
Biphenyl	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
bis(2-Chloroethyl)ether	NA	NA	ND(0.90)	ND(0.034)	ND(0.035)	NA	NA	NA
bis(2-Ethylhexyl)phthalate	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Butyl benzylphthalate	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Caprolactam	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Carbazole	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Chrysene	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Dibenz(a,h)anthracene	NA	NA	ND(4.6 J)	ND(0.18 J)	ND(0.18 J)	NA	NA	NA
Dibenzofuran	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Diethyl phthalate	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Dimethyl phthalate	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Di-n-butylphthalate	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Di-n-octyl phthalate	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Fluoranthene	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Fluorene	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Hexachlorobenzene	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Hexachlorobutadiene	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Hexachloroethane	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	ND(4.6)	ND(0.18 J)	ND(0.18 J)	NA	NA	NA
Isophorone	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Methylphenols, Total	NA	NA	ND(9.3)	ND(0.35)	ND(0.36)	NA	NA	NA
Naphthalene	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Nitrobenzene	NA	NA	ND(1.8)	ND(0.069)	ND(0.071)	NA	NA	NA
N-Nitrosodi-n-propylamine	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
N-Nitrosodiphenylamine	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Pentachlorophenol	NA	NA	ND(18)	ND(0.69)	ND(0.71)	NA	NA	NA
Phenanthrene	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Phenol	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
Pyrene	NA	NA	ND(4.6)	ND(0.18)	ND(0.18)	NA	NA	NA
PCB								
Aroclor-1016 (PCB-1016)	NA	NA	ND(0.038)	ND(0.036)	ND(0.037)	NA	NA	NA
Aroclor-1221 (PCB-1221)	NA	NA	ND(0.038)	ND(0.036)	ND(0.037)	NA	NA	NA
Aroclor-1232 (PCB-1232)	NA	NA	ND(0.038)	ND(0.036)	ND(0.037)	NA	NA	NA
Aroclor-1242 (PCB-1242)	NA	NA	ND(0.038)	ND(0.036)	ND(0.037)	NA	NA	NA
Aroclor-1248 (PCB-1248)	NA	NA	ND(0.038)	ND(0.036)	ND(0.037)	NA	NA	NA
Aroclor-1254 (PCB-1254)	NA	NA	ND(0.038)	ND(0.036)	ND(0.037)	NA	NA	NA
Aroclor-1260 (PCB-1260)	NA	NA	ND(0.038)	ND(0.036)	ND(0.037)	NA	NA	NA
Total PCBs	NA	NA	ND(0.038)	ND(0.036)	ND(0.037)	NA	NA	NA
Inorganic								
Antimony	NA	NA	1.2	0.059 J	0.074 J	NA	NA	NA
Arsenic	NA	NA	13 (RDC)	0.99	0.98	NA	NA	NA
Barium	NA	NA	290	9.7	9.5	NA	NA	NA
Beryllium	NA	NA	0.12	0.12	0.12	NA	NA	NA
Cadmium	NA	NA	0.68	ND(0.050)	ND(0.048)	NA	NA	NA
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	NA	NA	2,400 (IPSI,CRPSIC)	3.4	2.9	NA	NA	NA
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	210	0.67	0.62	NA	NA	NA
Copper	NA	NA	190 J	2.7	2.2	NA	NA	NA
Cyanide (total)	NA	NA	ND(0.20)	ND(0.20)	ND(0.20)	NA	NA	NA
Lead	290	12 J	96	3.0 J	2.3 J	3,000 (IDC,RDC)	10	47
Manganese	NA	NA	1,800 (IPSI,CRPSIC)	53 J	44 J	NA	NA	NA
Mercury	NA	NA	0.048 J	ND(0.061)	ND(0.073)	NA	NA	NA
Nickel	NA	NA	88	2.2	2.0	NA	NA	NA
Selenium	NA	NA	ND(0.061)	ND(0.058)	0.072	NA	NA	NA
Silver	NA	NA	0.25 J	0.034 J	0.030 J	NA	NA	NA
Thallium	NA	NA	0.066 J	0.024 J	0.024 J	NA	NA	NA
Vanadium	NA	NA	390	5.0	5.0	NA	NA	NA
Zinc	NA	NA	52 J	13	11	NA	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-83/84-43 1.5 - 3.5 03/05/03	RFI-83/84-44 1 - 3 03/10/03	RFI-83/84-44 7 - 9 03/10/03	RFI-83/84-45 0.9 - 2.9 03/06/03	RFI-83/84-45 7.9 - 9.9 03/06/03	RFI-83/84-46 1.5 - 3.5 03/18/03	RFI-83/84-46 7.5 - 9.5 03/18/03	RFI-83/84-46 9.5 - 11.5 03/18/03
Miscellaneous								
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	94	94	88	98	90 [92]	99	97	75
VOC								
1,1,1-Trichloroethane	NA	ND(0.037)	ND(0.038)	ND(0.035)	ND(0.037) [ND(0.037)]	ND(0.035)	ND(0.035)	ND(0.045)
1,1,2,2-Tetrachloroethane	NA	ND(0.074)	ND(0.077)	ND(0.070)	ND(0.075) [ND(0.073)]	ND(0.071 J)	ND(0.070 J)	ND(0.090 J)
1,1,2-Trichloroethane	NA	ND(0.037 J)	ND(0.038 J)	ND(0.035 J)	ND(0.037 J) [ND(0.037 J)]	ND(0.035)	ND(0.035)	ND(0.045)
1,1-Dichloroethane	NA	ND(0.037)	ND(0.038)	ND(0.035)	ND(0.037) [ND(0.037)]	ND(0.035)	ND(0.035)	ND(0.045)
1,1-Dichloroethene	NA	ND(0.037)	ND(0.038)	ND(0.035)	ND(0.037) [ND(0.037)]	ND(0.035)	ND(0.035)	ND(0.045)
1,2,4-Trichlorobenzene	NA	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.15)	ND(0.19)
1,2-Dibromo-3-chloropropane (DBCP)	NA	ND(0.16 J)	ND(0.16 J)	ND(0.15 J)	ND(0.16 J) [ND(0.16 J)]	ND(0.15)	ND(0.15)	ND(0.19)
1,2-Dibromoethane (Ethylene Dibromide)	NA	ND(0.16 J)	ND(0.16 J)	ND(0.15 J)	ND(0.16 J) [ND(0.16 J)]	ND(0.15)	ND(0.15)	ND(0.19)
1,2-Dichlorobenzene	NA	ND(0.074)	ND(0.077)	ND(0.070)	ND(0.075) [ND(0.073)]	ND(0.071)	ND(0.070)	ND(0.090)
1,2-Dichloroethane	NA	ND(0.037)	ND(0.038)	ND(0.035)	ND(0.037) [ND(0.037)]	ND(0.035)	ND(0.035)	ND(0.045)
1,2-Dichloropropane	NA	ND(0.037 J)	ND(0.038 J)	ND(0.035 J)	ND(0.037 J) [ND(0.037 J)]	ND(0.035)	ND(0.035)	ND(0.045)
1,3-Dichlorobenzene	NA	ND(0.074)	ND(0.077)	ND(0.070)	ND(0.075) [ND(0.073)]	ND(0.071)	ND(0.070)	ND(0.090)
1,4-Dichlorobenzene	NA	ND(0.074)	ND(0.077)	ND(0.070)	ND(0.075) [ND(0.073)]	ND(0.071)	ND(0.070)	ND(0.090)
2-Butanone (Methyl Ethyl Ketone)	NA	0.027 J	ND(0.33 J)	ND(0.30 J)	ND(0.32 J) [ND(0.31 J)]	ND(0.30 J)	ND(0.30 J)	ND(0.38 J)
2-Hexanone	NA	ND(0.074)	ND(0.077)	ND(0.070)	ND(0.075) [ND(0.073)]	ND(0.071 J)	ND(0.070 J)	ND(0.090 J)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	ND(1.6)	ND(1.6)	ND(1.5)	ND(1.6) [ND(1.6)]	ND(1.5 J)	ND(1.5 J)	ND(1.9 J)
Acetone	NA	0.057 J	0.032 J	0.044 J	0.046 J [0.055 J]	ND(0.30 J)	0.095 J	0.23 J
Benzene	NA	ND(0.037)	ND(0.038)	ND(0.035)	ND(0.037) [ND(0.037)]	ND(0.035)	ND(0.035)	ND(0.045)
Bromodichloromethane	NA	ND(0.074)	ND(0.077)	ND(0.070)	ND(0.075) [ND(0.073)]	ND(0.071)	ND(0.070)	ND(0.090)
Bromoform	NA	ND(0.074)	ND(0.077)	ND(0.070)	ND(0.075) [ND(0.073)]	ND(0.071)	ND(0.070)	ND(0.090)
Bromomethane (Methyl Bromide)	NA	ND(0.16 J)	ND(0.16 J)	ND(0.15 J)	ND(0.16 J) [ND(0.16 J)]	ND(0.15)	ND(0.15)	ND(0.19)
Carbon disulfide	NA	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16) [ND(0.16)]	ND(0.15 J)	ND(0.15 J)	ND(0.19 J)
Carbon tetrachloride	NA	ND(0.037)	ND(0.038)	ND(0.035)	ND(0.037) [ND(0.037)]	ND(0.035)	ND(0.035)	ND(0.045)
Chlorobenzene	NA	ND(0.037)	ND(0.038)	ND(0.035)	ND(0.037) [ND(0.037)]	ND(0.035)	ND(0.035)	ND(0.045)
Chloroethane	NA	ND(0.16 J)	ND(0.16 J)	ND(0.15 J)	ND(0.16 J) [ND(0.16 J)]	ND(0.15)	ND(0.15)	ND(0.19)
Chloroform (Trichloromethane)	NA	ND(0.037)	ND(0.038)	ND(0.035)	ND(0.037) [ND(0.037)]	ND(0.035)	ND(0.035)	ND(0.045)
Chloromethane (Methyl Chloride)	NA	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.15)	ND(0.19)
cis-1,2-Dichloroethane	NA	ND(0.037 J)	ND(0.038 J)	ND(0.035 J)	ND(0.037 J) [ND(0.037 J)]	0.76	0.43	0.037 J
cis-1,3-Dichloropropene	NA	ND(0.037)	ND(0.038)	ND(0.035)	ND(0.037) [ND(0.037)]	ND(0.035)	ND(0.035)	ND(0.045)
Cyclohexane	NA	ND(0.16)	ND(0.16)	0.13 J	ND(0.16) [ND(0.16)]	0.032 J	ND(0.15)	ND(0.19)
Dibromochloromethane	NA	ND(0.074)	ND(0.077)	ND(0.070)	ND(0.075) [ND(0.073)]	ND(0.071)	ND(0.070)	ND(0.090)
Dichlorodifluoromethane (CFC-12)	NA	ND(0.074)	ND(0.077)	ND(0.070)	ND(0.075) [ND(0.073)]	ND(0.071)	ND(0.070)	ND(0.090)
Ethylbenzene	NA	ND(0.037)	ND(0.038)	ND(0.035)	ND(0.037) [ND(0.037)]	ND(0.035)	ND(0.035)	ND(0.045)
Isopropylbenzene	NA	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.15)	ND(0.19)
m&p-Xylene	NA	0.037 J	ND(0.077)	0.11	ND(0.075) [ND(0.073)]	0.074	0.053 J	ND(0.090)
Methyl acetate	NA	0.10 J	ND(0.16 J)	ND(0.15 J)	ND(0.16 J) [ND(0.16 J)]	0.10 J	0.63 J	0.062 J
Methyl cyclohexane	NA	0.049 J	ND(0.16)	0.51	ND(0.16) [ND(0.16)]	0.097 J	0.054 J	ND(0.19 J)
Methyl Tert Butyl Ether	NA	ND(0.16 J)	ND(0.16 J)	ND(0.15 J)	ND(0.16 J) [ND(0.16 J)]	ND(0.15 J)	ND(0.15 J)	ND(0.19 J)
Methylene chloride	NA	0.028 J	0.031 J	0.037 J	0.040 J [0.034 J]	0.052 J	ND(0.15)	0.047 J
o-Xylene	NA	ND(0.037)	ND(0.038)	0.087	ND(0.037) [ND(0.037)]	0.038	0.027 J	ND(0.045)
Styrene	NA	ND(0.037)	ND(0.038)	ND(0.035)	ND(0.037) [ND(0.037)]	ND(0.035)	ND(0.035)	ND(0.045)
Tetrachloroethene	NA	ND(0.037 J)	ND(0.038 J)	ND(0.035 J)	ND(0.037 J) [ND(0.037 J)]	ND(0.035)	ND(0.035)	ND(0.045)
Toluene	NA	ND(0.074)	ND(0.077)	0.054 J	ND(0.075) [ND(0.073)]	0.036 J	0.026 J	ND(0.090)
trans-1,2-Dichloroethene	NA	ND(0.037)	ND(0.038)	ND(0.035)	ND(0.037) [ND(0.037)]	0.26	0.15	ND(0.045)
trans-1,3-Dichloropropene	NA	ND(0.037)	ND(0.038)	ND(0.035)	ND(0.037) [ND(0.037)]	ND(0.035)	ND(0.035)	ND(0.045)
Trichloroethene	NA	0.071	ND(0.038)	0.83	ND(0.037) [ND(0.037)]	ND(0.035)	ND(0.035)	ND(0.045)
Trichlorofluoromethane (CFC-11)	NA	ND(0.074)	ND(0.077)	ND(0.070)	ND(0.075) [ND(0.073)]	ND(0.071)	ND(0.070)	ND(0.090)
Trifluorotrchloroethane (Freon 113)	NA	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.15)	ND(0.19)
Vinyl chloride	NA	ND(0.074)	ND(0.077)	ND(0.070)	ND(0.075) [ND(0.073)]	ND(0.071)	ND(0.070)	ND(0.090)
Xylenes (total)	NA	0.037 J	ND(0.077)	0.20	ND(0.075) [ND(0.073)]	0.11	0.080 J	ND(0.090)
SVOC								
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
2,4,5-Trichlorophenol	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
2,4,6-Trichlorophenol	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
2,4-Dichlorophenol	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
2,4-Dimethylphenol	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
2,4-Dinitrophenol	NA	ND(0.71)	ND(0.76)	ND(0.69)	ND(0.74) [ND(0.73)]	ND(0.68)	ND(0.69)	ND(0.89)
2,4-Dinitrotoluene	NA	ND(0.71)	ND(0.76)	ND(0.69)	ND(0.74) [ND(0.73)]	ND(0.68)	ND(0.69)	ND(0.89)
2,6-Dinitrotoluene	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
2-Chloronaphthalene	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
2-Chlorophenol	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
2-Methylnaphthalene	NA	0.42	ND(0.19)	0.060 J	ND(0.19) [ND(0.18)]	0.073 J	0.37	ND(0.23)
2-Methylphenol	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
2-Nitroaniline	NA	ND(0.71)	ND(0.76)	ND(0.69)	ND(0.74) [ND(0.73)]	ND(0.68)	ND(0.69)	ND(0.89)
2-Nitrophenol	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
3&4-Methylphenol	NA	ND(0.36)	ND(0.39 J)	ND(0.35 J)	ND(0.38 J) [ND(0.37 J)]	ND(0.34 J)	ND(0.35 J)	ND(0.45 J)
3,3-Dichlorobenzidine	NA	ND(0.71)	ND(0.76)	ND(0.69)	ND(0.74) [ND(0.73)]	ND(0.68)	ND(0.69)	ND(0.89)
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	ND(0.71)	ND(0.76)	ND(0.69)	ND(0.74) [ND(0.73)]	ND(0.68)	ND(0.69)	ND(0.89)
4,6-Dinitro-2-methylpheno	NA	ND(0.71)	ND(0.76)	ND(0.69)	ND(0.74) [ND(0.73)]	ND(0.68)	ND(0.69)	ND(0.89)
4-Bromophenyl phenyl ether	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
4-Chloro-3-methylpheno	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
4-Chloroaniline	NA	ND(0.71)	ND(0.76)	ND(0.69)	ND(0.74) [ND(0.73)]	ND(0.68)	ND(0.69)	ND(0.89)
4-Chlorophenyl phenyl ether	NA	ND(0.71)	ND(0.76)	ND(0.69)	ND(0.74) [ND(0.73)]	ND(0.68)	ND(0.69)	ND(0.89)
4-Nitroaniline	NA	ND(0.71)	ND(0.76)	ND(0.69)	ND(0.74) [ND(0.73)]	ND(0.68)	ND(0.69)	ND(0.89)
4-Nitrophenol	NA	ND(0.71)	ND(0.76)	ND(0.69)	ND(0.74) [ND(0.73)]	ND(0.68)	ND(0.69)	ND(0.89)
Acenaphthene	NA	1.5	0.060 J	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
Acenaphthylene	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
Acetophenone	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
Anthracene	NA	2.8	0.13 J	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
Atrazine	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
Benzaldehyde	NA	ND(0.18)	ND(0.19 J)	ND(0.17 J)	ND(0.19 J) [ND(0.18 J)]	R	R	R

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-83/84-43 1.5 - 3.5 03/05/03	RFI-83/84-44 1 - 3 03/10/03	RFI-83/84-44 7 - 9 03/10/03	RFI-83/84-45 0.9 - 2.9 03/06/03	RFI-83/84-45 7.9 - 9.9 03/06/03	RFI-83/84-46 1.5 - 3.5 03/18/03	RFI-83/84-46 7.5 - 9.5 03/18/03	RFI-83/84-46 9.5 - 11.5 03/18/03
Benzo(a)anthracene	NA	7.7 D	0.35	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	0.34	ND(0.23)
Benzo(a)pyrene	NA	6.4 JD (RDC)	0.29	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	0.29 J	ND(0.23)
Benzo(b)fluoranthene	NA	7.3 JD	0.28	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	0.48 J	ND(0.23)
Benzo(g,h,i)perylene	NA	1.9 J	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	0.093 J	ND(0.23)
Benzo(k)fluoranthene	NA	5.8 JD	0.35	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	0.28 J	ND(0.23)
Biphenyl	NA	0.14 J	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	0.070 J	ND(0.23)
bis(2-Chloroethoxy)methane	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
bis(2-Chloroethyl)ether	NA	ND(0.035)	ND(0.037)	ND(0.034)	ND(0.037) [ND(0.036)]	ND(0.033)	ND(0.034)	ND(0.044)
bis(2-Ethylhexyl)phthalate	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
Butyl benzylphthalate	NA	ND(0.18)	0.10 J	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
Caprolactam	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
Carbazole	NA	3.0	0.12 J	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
Chrysene	NA	7.2 D	0.38	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	0.61	ND(0.23)
Dibenz(a,h)anthracene	NA	1.2 J	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17 J)	ND(0.18 J)	ND(0.23 J)
Dibenzofuran	NA	0.96	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	0.29	ND(0.23)
Diethyl phthalate	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
Dimethyl phthalate	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
Di-n-butylphthalate	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
Di-n-octyl phthalate	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
Fluoranthene	NA	15 D	0.76	ND(0.17)	ND(0.19) [ND(0.18)]	0.12 J	1.2	ND(0.23)
Fluorene	NA	1.8	0.067 J	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
Hexachlorobenzene	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
Hexachlorobutadiene	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
Hexachlorocyclopentadiene	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
Hexachloroethane	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
Indeno(1,2,3-cd)pyrene	NA	2.1	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17 J)	0.098 J	ND(0.23 J)
Isophorone	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
Methylphenols, Total	NA	ND(0.36)	ND(0.39)	ND(0.35)	ND(0.38) [ND(0.37)]	ND(0.34)	ND(0.35)	ND(0.45)
Naphthalene	NA	0.91	0.059 J	ND(0.17)	ND(0.19) [ND(0.18)]	0.082 J	0.39	ND(0.23)
Nitrobenzene	NA	ND(0.071)	ND(0.076)	ND(0.069)	ND(0.074) [ND(0.073)]	ND(0.068)	ND(0.069)	ND(0.089)
N-Nitrosodi-n-propylamine	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
N-Nitrosodiphenylamine	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
Pentachlorophenol	NA	ND(0.71)	ND(0.76)	ND(0.69)	ND(0.74) [ND(0.73)]	ND(0.68)	ND(0.69)	ND(0.89)
Phenanthrene	NA	12 D	0.63	0.13 J	ND(0.19) [ND(0.18)]	0.23	2.1	ND(0.23)
Phenol	NA	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.23)
Pyrene	NA	11 D	0.60	ND(0.17)	ND(0.19) [ND(0.18)]	0.12 J	1.7	ND(0.23)
PCB								
Aroclor-1016 (PCB-1016)	NA	ND(0.037)	ND(0.040)	ND(0.11)	ND(0.039) [ND(0.038)]	ND(0.035)	ND(0.036)	ND(0.047)
Aroclor-1221 (PCB-1221)	NA	ND(0.037)	ND(0.040)	ND(0.11)	ND(0.039) [ND(0.038)]	ND(0.035)	ND(0.036)	ND(0.047)
Aroclor-1232 (PCB-1232)	NA	ND(0.037)	ND(0.040)	ND(0.11)	ND(0.039) [ND(0.038)]	ND(0.035)	ND(0.036)	ND(0.047)
Aroclor-1242 (PCB-1242)	NA	ND(0.037)	ND(0.040)	ND(0.11)	ND(0.039) [ND(0.038)]	ND(0.035)	ND(0.036)	ND(0.047)
Aroclor-1248 (PCB-1248)	NA	ND(0.037)	ND(0.040)	ND(0.11)	ND(0.039) [ND(0.038)]	ND(0.035)	ND(0.036)	ND(0.047)
Aroclor-1254 (PCB-1254)	NA	ND(0.037)	ND(0.040)	ND(0.11)	ND(0.039) [ND(0.038)]	ND(0.035)	ND(0.036)	ND(0.047)
Aroclor-1260 (PCB-1260)	NA	ND(0.037)	ND(0.040)	ND(0.11)	ND(0.039) [ND(0.038)]	ND(0.035)	ND(0.036)	ND(0.047)
Total PCBs	NA	ND(0.037)	ND(0.040)	ND(0.11)	ND(0.039) [ND(0.038)]	ND(0.035)	ND(0.036)	ND(0.047)
Inorganic								
Antimony	NA	0.18	ND(0.16)	0.030 J	ND(0.17) [0.030 J]	0.089 J	0.27	0.011 J
Arsenic	NA	5.1	4.6	1.4	2.2 [2.9]	5.6	13 (RDC)	8.1 (RDC)
Barium	NA	34	23	16	12 [14]	33	49	93
Beryllium	NA	0.24	0.25	0.10	0.12 [0.14]	0.18	0.26	0.41
Cadmium	NA	0.37	0.11	0.042	0.049 [0.067]	ND(0.11)	0.41	0.29
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	NA	42	12	3.3	6.7 [7.7]	20	120	23
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	NA	2.7	4.6	0.92	2.3 [2.8]	4.1	11	5.8
Copper	NA	47 J	48 J	5.0 J	5.6 J [7.1 J]	20	160	12
Cyanide (total)	NA	ND(0.20)	21 (RDC)	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	ND(0.30)
Lead	400	480 (RDC)	28	75	5.6 [9.9]	13 J	37 J	13 J
Manganese	NA	290	120	41	50 [64]	310 J	930 J	190 J
Mercury	NA	0.034 J	0.032 J	ND(0.072)	ND(0.078) [0.0063 J]	ND(0.068)	0.0063 J	0.14
Nickel	NA	32	12	3.1	6.4 [7.3]	16	69	15
Selenium	NA	0.17	0.13	0.11	0.050 J [0.11]	0.11	0.14	0.90
Silver	NA	ND(0.15 J)	ND(0.16 J)	ND(0.14 J)	ND(0.17 J) [ND(0.15 J)]	0.046 J	7.3	0.11 J
Thallium	NA	0.059 J	0.076 J	0.034 J	0.053 J [0.062 J]	0.099 J	0.083 J	0.25
Vanadium	NA	8.0	16	4.9	12 [14]	17	27	29
Zinc	NA	47 J	36 J	9.3 J	29 J [30 J]	27	44	94

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-83/84-47 1 - 3 04/07/03	RFI-83/84-47 8 - 10 04/07/03	RFI-83/84-48 1 - 3 04/07/03	RFI-83/84-48 7 - 9 04/07/03	RFI-83/84-49 0.9 - 2.9 04/09/03	RFI-83/84-49 4.5 - 6.5 04/09/03	RFI-83/84-49 8.5 - 10.5 04/09/03
Miscellaneous							
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA
Total Solids	97 [97]	85	96	88	91	88	83 [88]
VOC							
1,1,1-Trichloroethane	ND(0.035) [ND(0.035)]	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041) [ND(0.040)]
1,1,2,2-Tetrachloroethane	ND(0.070) [ND(0.070)]	ND(0.082)	ND(0.073)	ND(0.079)	ND(0.077)	ND(0.080)	ND(0.083) [ND(0.079)]
1,1,2-Trichloroethane	ND(0.035) [ND(0.035)]	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041) [ND(0.040)]
1,1-Dichloroethane	ND(0.035) [ND(0.035)]	ND(0.041)	ND(0.037)	ND(0.040)	0.14	ND(0.040)	ND(0.041) [ND(0.040)]
1,1-Dichloroethene	ND(0.035) [ND(0.035)]	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041) [ND(0.040)]
1,2,4-Trichlorobenzene	ND(0.15) [ND(0.15)]	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18) [ND(0.17)]
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.15) [ND(0.15)]	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18) [ND(0.17)]
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.15) [ND(0.15)]	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18) [ND(0.17)]
1,2-Dichlorobenzene	ND(0.070) [ND(0.070)]	ND(0.082)	ND(0.073)	ND(0.079)	ND(0.077)	ND(0.080)	ND(0.083) [ND(0.079)]
1,2-Dichloroethane	ND(0.035) [ND(0.035)]	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041) [ND(0.040)]
1,2-Dichloropropane	ND(0.035) [ND(0.035)]	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041) [ND(0.040)]
1,3-Dichlorobenzene	ND(0.070) [ND(0.070)]	ND(0.082)	ND(0.073)	ND(0.079)	ND(0.077)	ND(0.080)	ND(0.083) [ND(0.079)]
1,4-Dichlorobenzene	ND(0.070) [ND(0.070)]	ND(0.082)	ND(0.073)	ND(0.079)	ND(0.077)	ND(0.080)	ND(0.083) [ND(0.079)]
2-Butanone (Methyl Ethyl Ketone)	ND(0.30 J) [ND(0.30 J)]	ND(0.35 J)	ND(0.31 J)	ND(0.34 J)	ND(0.33 J)	ND(0.34 J)	ND(0.36 J) [ND(0.34 J)]
2-Hexanone	ND(0.070) [ND(0.070)]	ND(0.082)	ND(0.073)	ND(0.079)	ND(0.077)	ND(0.080)	ND(0.083) [ND(0.079)]
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(1.5) [ND(1.5)]	ND(1.7)	ND(1.6)	ND(1.7)	ND(1.6)	ND(1.7)	ND(1.8) [ND(1.7)]
Acetone	ND(0.30) [ND(0.30)]	0.17 J	ND(0.31)	ND(0.34)	0.12 J	ND(0.34)	ND(0.36) [ND(0.34)]
Benzene	0.025 J [0.026 J]	0.043	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041) [ND(0.040)]
Bromodichloromethane	ND(0.070) [ND(0.070)]	ND(0.082)	ND(0.073)	ND(0.079)	ND(0.077)	ND(0.080)	ND(0.083) [ND(0.079)]
Bromoform	ND(0.070) [ND(0.070)]	ND(0.082)	ND(0.073)	ND(0.079)	ND(0.077)	ND(0.080)	ND(0.083) [ND(0.079)]
Bromomethane (Methyl Bromide)	ND(0.15) [ND(0.15)]	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18) [ND(0.17)]
Carbon disulfide	ND(0.15) [ND(0.15)]	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18) [ND(0.17)]
Carbon tetrachloride	ND(0.035) [ND(0.035)]	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041) [ND(0.040)]
Chlorobenzene	ND(0.035) [ND(0.035)]	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041) [ND(0.040)]
Chloroethane	ND(0.15) [ND(0.15)]	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18) [ND(0.17)]
Chloroform (Trichloromethane)	ND(0.035) [ND(0.035)]	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041) [ND(0.040)]
Chloromethane (Methyl Chloride)	ND(0.15) [ND(0.15)]	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18) [ND(0.17)]
cis-1,2-Dichloroethene	5.0 [5.2]	1.4	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041) [ND(0.040)]
cis-1,3-Dichloropropene	ND(0.035) [ND(0.035)]	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041) [ND(0.040)]
Cyclohexane	0.066 J [0.064 J]	0.13 J	0.058 J	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18) [ND(0.17)]
Dibromochloromethane	ND(0.070) [ND(0.070)]	ND(0.082)	ND(0.073)	ND(0.079)	ND(0.077)	ND(0.080)	ND(0.083) [ND(0.079)]
Dichlorodifluoromethane (CFC-12)	ND(0.070) [ND(0.070)]	ND(0.082)	ND(0.073)	ND(0.079)	ND(0.077)	ND(0.080)	ND(0.083) [ND(0.079)]
Ethylbenzene	0.025 J [0.027 J]	0.19	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041) [ND(0.040)]
Isopropylbenzene	ND(0.15) [ND(0.15)]	0.25	ND(0.16)	ND(0.17)	0.035 J	0.16 J	ND(0.18) [ND(0.17)]
m&p-Xylene	0.094 [0.10]	0.55	0.076	ND(0.079)	0.047 J	0.051 J	0.032 J [ND(0.079)]
Methyl acetate	0.20 [0.16]	0.19	0.21	ND(0.17)	0.046 J	ND(0.17)	ND(0.18) [ND(0.17)]
Methyl cyclohexane	0.26 [0.27]	0.93	0.19	ND(0.17)	ND(0.16)	0.26	0.069 J [0.040 J]
Methyl Tert Butyl Ether	ND(0.15) [ND(0.15)]	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18) [ND(0.17)]
Methylene chloride	ND(0.15) [ND(0.15)]	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18) [ND(0.17)]
o-Xylene	0.057 [0.059]	0.31	0.051	ND(0.040)	0.032 J	0.037 J	ND(0.041) [ND(0.040)]
Styrene	ND(0.035) [ND(0.035)]	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041) [ND(0.040)]
Tetrachloroethene	ND(0.035) [ND(0.035)]	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041) [ND(0.040)]
Toluene	0.062 J [0.064 J]	0.14	0.038 J	ND(0.079)	ND(0.077)	ND(0.080)	ND(0.083) [ND(0.079)]
trans-1,2-Dichloroethene	0.57 [0.60]	0.16	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041) [ND(0.040)]
trans-1,3-Dichloropropene	ND(0.035) [ND(0.035)]	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041) [ND(0.040)]
Trichloroethene	0.13 [0.15]	0.031 J	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041) [ND(0.040)]
Trichlorofluoromethane (CFC-11)	ND(0.070) [ND(0.070)]	ND(0.082)	ND(0.073)	ND(0.079)	ND(0.077)	ND(0.080)	ND(0.083) [ND(0.079)]
Trifluorotrichloroethane (Freon 113)	ND(0.15) [ND(0.15)]	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18) [ND(0.17)]
Vinyl chloride	0.23 [0.24]	0.078 J	ND(0.073)	ND(0.079)	ND(0.077)	ND(0.080)	ND(0.083) [ND(0.079)]
Xylenes (total)	0.15 [0.16]	0.86	0.13	ND(0.079)	0.079 J	0.088 J	0.032 J [ND(0.079)]
SVOC							
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
2,4,5-Trichlorophenol	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
2,4,6-Trichlorophenol	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
2,4-Dichlorophenol	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
2,4-Dimethylphenol	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
2,4-Dinitrophenol	ND(3.5) [ND(0.69)]	ND(7.8)	R	ND(3.8)	ND(18)	ND(7.6)	ND(0.81) [ND(7.6)]
2,4-Dinitrotoluene	ND(3.5) [ND(0.69)]	ND(7.8)	ND(0.70)	ND(3.8)	ND(18)	ND(7.6)	ND(0.81) [ND(7.6)]
2,6-Dinitrotoluene	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
2-Chloronaphthalene	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
2-Chlorophenol	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
2-Methylnaphthalene	ND(0.88) [0.27]	5.1	0.19	ND(0.97)	2.5 J	ND(1.9)	0.075 J [ND(1.9)]
2-Methylphenol	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
2-Nitroaniline	ND(3.5) [ND(0.69)]	ND(7.8)	ND(0.70)	ND(3.8)	ND(18)	ND(7.6)	ND(0.81) [ND(7.6)]
2-Nitrophenol	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
3&4-Methylphenol	ND(1.8 J) [ND(0.35 J)]	ND(4.0 J)	ND(0.36 J)	ND(1.9 J)	ND(9.4 J)	ND(3.9 J)	ND(0.41 J) [ND(3.9 J)]
3,3'-Dichlorobenzidine	ND(3.5) [ND(0.69 J)]	ND(7.8)	ND(0.70)	ND(3.8)	ND(18)	ND(7.6)	ND(0.81) [ND(7.6)]
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ND(3.5) [ND(0.69)]	ND(7.8)	ND(0.70)	ND(3.8)	ND(18)	ND(7.6)	ND(0.81) [ND(7.6)]
4,6-Dinitro-2-methylpheno	ND(3.5) [ND(0.69)]	ND(7.8)	R	ND(3.8)	ND(18)	ND(7.6)	ND(0.81) [ND(7.6)]
4-Bromophenyl phenyl ether	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
4-Chloro-3-methylpheno	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
4-Chloroaniline	ND(3.5) [ND(0.69)]	ND(7.8)	ND(0.70)	ND(3.8)	ND(18)	ND(7.6)	ND(0.81) [ND(7.6)]
4-Chlorophenyl phenyl ether	ND(3.5) [ND(0.69)]	ND(7.8)	ND(0.70)	ND(3.8)	ND(18)	ND(7.6)	ND(0.81) [ND(7.6)]
4-Nitroaniline	ND(3.5) [ND(0.69)]	ND(7.8)	ND(0.70)	ND(3.8)	ND(18)	ND(7.6)	ND(0.81) [ND(7.6)]
4-Nitrophenol	ND(3.5) [ND(0.69)]	ND(7.8)	ND(0.70)	ND(3.8)	ND(18)	ND(7.6)	ND(0.81) [ND(7.6)]
Acenaphthene	ND(0.88) [0.067 J]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
Acenaphthylene	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
Acetophenone	ND(0.88) [ND(0.18)]	1.2 J	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
Anthracene	ND(0.88) [0.21]	ND(2.0)	ND(0.18)	ND(0.97)	1.9 J	ND(1.9)	ND(0.21) [ND(1.9)]
Atrazine	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
Benzaldehyde	ND(0.88 J) [ND(0.18 J)]	ND(2.0 J)	ND(0.18 J)	ND(0.97 J)	ND(4.7 J)	ND(1.9 J)	ND(0.21 J) [ND(1.9 J)]

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-83/84-47 1 - 3 04/07/03	RFI-83/84-47 8 - 10 04/07/03	RFI-83/84-48 1 - 3 04/07/03	RFI-83/84-48 7 - 9 04/07/03	RFI-83/84-49 0.9 - 2.9 04/09/03	RFI-83/84-49 4.5 - 6.5 04/09/03	RFI-83/84-49 8.5 - 10.5 04/09/03
Benzo(a)anthracene	ND(0.88) [0.37]	0.85 J	0.096 J	ND(0.97)	3.3 J	ND(1.9)	0.077 J [ND(1.9)]
Benzo(a)pyrene	ND(0.88 J) [ND(0.18 J)]	ND(2.0 J)	0.089 J	ND(0.97 J)	3.6 J (RDC)	ND(1.9 J)	ND(0.21 J) [ND(1.9 J)]
Benzo(b)fluoranthene	ND(0.88 J) [ND(0.18 J)]	ND(2.0 J)	0.12 J	ND(0.97 J)	3.8 J	ND(1.9 J)	ND(0.21 J) [ND(1.9 J)]
Benzo(g,h,i)perylene	ND(0.88 J) [ND(0.18 J)]	ND(2.0 J)	ND(0.18 J)	ND(0.97 J)	ND(4.7 J)	ND(1.9 J)	ND(0.21 J) [ND(1.9 J)]
Benzo(k)fluoranthene	ND(0.88 J) [ND(0.18 J)]	ND(2.0 J)	0.079 J	ND(0.97 J)	4.4 J	ND(1.9 J)	ND(0.21 J) [ND(1.9 J)]
Biphenyl	ND(0.88) [0.067 J]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
bis(2-Chloroethoxy)methane	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
bis(2-Chloroethyl)ether	ND(0.17) [ND(0.034)]	ND(0.39)	ND(0.034)	ND(0.19)	ND(0.91)	ND(0.37)	ND(0.040) [ND(0.37)]
bis(2-Ethylhexyl)phthalate	ND(0.88) [ND(0.18 J)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
Butyl benzylphthalate	ND(0.88) [ND(0.18 J)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
Caprolactam	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
Carbazole	ND(0.88 J) [ND(0.18 J)]	ND(2.0 J)	ND(0.18 J)	ND(0.97 J)	1.7 J	ND(1.9 J)	ND(0.21 J) [ND(1.9 J)]
Chrysene	ND(0.88) [0.38 J]	1.2 J	0.14 J	ND(0.97)	3.9 J	0.82 J	0.19 J [ND(1.9)]
Dibenz(a,h)anthracene	ND(0.88 J) [ND(0.18 J)]	ND(2.0 J)	ND(0.18 J)	ND(0.97 J)	ND(4.7 J)	ND(1.9 J)	ND(0.21 J) [ND(1.9 J)]
Dibenzofuran	ND(0.88) [0.15 J]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
Diethyl phthalate	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
Dimethyl phthalate	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
Di-n-butylphthalate	ND(0.88 J) [ND(0.18)]	ND(2.0 J)	ND(0.18)	ND(0.97 J)	ND(4.7 J)	ND(1.9)	ND(0.21) [ND(1.9)]
Di-n-octyl phthalate	ND(0.88) [ND(0.18 J)]	ND(2.0)	ND(0.18 J)	ND(0.97)	ND(4.7)	ND(1.9 J)	ND(0.21 J) [ND(1.9 J)]
Fluoranthene	0.53 J [0.54]	1.6 J	0.17 J	ND(0.97)	8.3	ND(1.9)	0.089 J [ND(1.9)]
Fluorene	ND(0.88) [0.099 J]	ND(2.0)	ND(0.18)	ND(0.97)	2.3 J	ND(1.9)	ND(0.21) [ND(1.9)]
Hexachlorobenzene	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
Hexachlorobutadiene	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
Hexachlorocyclopentadiene	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
Hexachloroethane	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
Indeno(1,2,3-cd)pyrene	ND(0.88 J) [ND(0.18 J)]	ND(2.0 J)	ND(0.18 J)	ND(0.97 J)	ND(4.7 J)	ND(1.9 J)	ND(0.21 J) [ND(1.9 J)]
Isophorone	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
Methylphenols, Total	ND(1.8) [ND(0.35)]	ND(4.0)	ND(0.36)	ND(1.9)	ND(9.4)	ND(3.9)	ND(0.41) [ND(3.9)]
Naphthalene	ND(0.88) [0.32]	1.8 J	0.13 J	ND(0.97)	4.6 J	ND(1.9)	ND(0.21) [ND(1.9)]
Nitrobenzene	ND(0.35) [ND(0.069)]	ND(0.78)	ND(0.070)	ND(0.38)	ND(1.8)	ND(0.76)	ND(0.081) [ND(0.76)]
N-Nitrosodi-n-propylamine	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
N-Nitrosodiphenylamine	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
Pentachlorophenol	ND(3.5) [ND(0.69)]	ND(7.8)	ND(0.70)	ND(3.8)	ND(18)	ND(7.6)	ND(0.81) [ND(7.6)]
Phenanthrene	0.67 J [0.88]	2.5	0.28	ND(0.97)	9.7	1.5 J	0.27 [ND(1.9)]
Phenol	ND(0.88) [ND(0.18)]	ND(2.0)	ND(0.18)	ND(0.97)	ND(4.7)	ND(1.9)	ND(0.21) [ND(1.9)]
Pyrene	0.66 J [1.1]	2.3	0.16 J	ND(0.97)	8.5	1.4 J	0.21 [ND(1.9)]
PCB							
Aroclor-1016 (PCB-1016)	ND(0.036) [ND(0.036)]	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.042) [ND(0.040)]
Aroclor-1221 (PCB-1221)	ND(0.036) [ND(0.036)]	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.042) [ND(0.040)]
Aroclor-1232 (PCB-1232)	ND(0.036) [ND(0.036)]	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.042) [ND(0.040)]
Aroclor-1242 (PCB-1242)	ND(0.036) [ND(0.036)]	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.040)	0.10 [0.19]
Aroclor-1248 (PCB-1248)	ND(0.036) [ND(0.036)]	ND(0.041)	ND(0.037)	ND(0.040)	0.12	ND(0.040)	ND(0.042) [ND(0.040)]
Aroclor-1254 (PCB-1254)	ND(0.036) [ND(0.036)]	ND(0.041)	ND(0.037)	ND(0.040)	0.22	ND(0.040)	ND(0.042) [0.060]
Aroclor-1260 (PCB-1260)	ND(0.036) [ND(0.036)]	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.042) [ND(0.040)]
Total PCBs	ND(0.036) [ND(0.036)]	ND(0.041)	ND(0.037)	ND(0.040)	0.34	ND(0.040)	0.10 [0.25]
Inorganic							
Antimony	0.090 J [0.15 J]	3.7	0.040 J	0.074 J	0.27	1.9	0.0095 J [1.4]
Arsenic	3.4 [5.4]	11 (RDC)	3.7	16 (RDC)	3.3	35 (RDC)	2.9 [15 (RDC)]
Barium	33 J [43 J]	130 J	38 J	63 J	47 J	68 J	63 J [52 J]
Beryllium	0.27 [0.51]	0.51	0.28	0.55	0.22	0.23	0.42 [0.19]
Cadmium	ND(0.092) [ND(0.13)]	6.3	ND(0.077)	0.20	0.38	24	ND(0.16) [8.1]
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA
Chromium Total	8.5 [20]	53	15	12	26	20	22 [21]
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA
Cobalt	3.5 [4.5]	6.5	2.8	5.3	2.7	7.4	4.5 [7.2]
Copper	9.7 [16]	110	9.4	23	160	13,000	36 [3,900]
Cyanide (total)	ND(0.20) [ND(0.20)]	0.29 J	ND(0.20)	ND(0.20)	ND(0.20)	0.30 J	ND(0.20) [ND(0.20)]
Lead	14 [16]	840 (RDC)	6.3	13	65	1,200 (IDC,RDC)	13 [590 (RDC)]
Manganese	150 [110]	1,100	490	690	290	460	82 [370]
Mercury	0.0095 J [0.0080 J]	0.13	ND(0.070)	0.046 J	0.041 J	0.025 J	0.046 J [0.017 J]
Nickel	7.4 [14]	36	9.2	16	18	69	15 [130]
Selenium	0.14 [0.11]	0.13	0.23 J	0.33 J	0.14	0.25 J	0.19 [0.42 J]
Silver	0.039 J [0.075 J]	0.19	0.054 J	0.074 J	0.12 J	7.7	0.091 J [2.8]
Thallium	0.094 J [0.12 J]	0.13 J	0.085 J	0.10 J	0.050 J	0.082 J	0.18 [0.10 J]
Vanadium	13 [17]	16	14	24	10	18	22 [23]
Zinc	31 [34]	28	19	34	71	620	52 [740]

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-83/84-50 3 - 5 04/10/03	RFI-83/84-50 5 - 7 04/10/03	RFI-83/84-51 3 - 5 04/10/03	RFI-83/84-51 5 - 7 04/10/03	RFI-83/84-52 0.9 - 2.9 04/11/03	RFI-83/84-52 2.9 - 4.9 04/11/03
Miscellaneous						
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA
Total Solids	89	89 [90]	94	89 [89]	91	89 [91]
VOC						
1,1,1-Trichloroethane	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.036)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.038) [ND(0.038)]
1,1,2,2-Tetrachloroethane	ND(0.078)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.077) [ND(0.076)]	ND(0.075)	ND(0.077) [ND(0.075)]
1,1,2-Trichloroethane	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.036)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.038) [ND(0.038)]
1,1-Dichloroethane	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.036)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.038) [ND(0.038)]
1,1-Dichloroethene	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.036)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.038) [ND(0.038)]
1,2,4-Trichlorobenzene	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16) [ND(0.16)]
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16) [ND(0.16)]
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16) [ND(0.16)]
1,2-Dichlorobenzene	ND(0.078)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.077) [ND(0.076)]	ND(0.075)	ND(0.077) [ND(0.075)]
1,2-Dichloroethane	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.036)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.038) [ND(0.038)]
1,2-Dichloropropane	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.036)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.038) [ND(0.038)]
1,3-Dichlorobenzene	ND(0.078)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.077) [ND(0.076)]	ND(0.075)	ND(0.077) [ND(0.075)]
1,4-Dichlorobenzene	ND(0.078)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.077) [ND(0.076)]	ND(0.075)	ND(0.077) [ND(0.075)]
2-Butanone (Methyl Ethyl Ketone)	ND(0.33)	ND(0.34) [ND(0.33)]	ND(0.31)	ND(0.33) [ND(0.33)]	ND(0.32)	ND(0.33) [ND(0.32)]
2-Hexanone	ND(0.078)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.077) [ND(0.076)]	ND(0.075)	ND(0.077) [ND(0.075)]
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(1.7)	ND(1.7) [ND(1.7)]	ND(1.6)	ND(1.6) [ND(1.6)]	ND(1.6)	ND(1.6) [ND(1.6)]
Acetone	ND(0.33)	ND(0.34) [ND(0.33)]	ND(0.31)	ND(0.33) [ND(0.33)]	ND(0.32)	0.042 J [0.098 J]
Benzene	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.036)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.038) [ND(0.038)]
Bromodichloromethane	ND(0.078)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.077) [ND(0.076)]	ND(0.075)	ND(0.077) [ND(0.075)]
Bromoform	ND(0.078)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.077) [ND(0.076)]	ND(0.075)	ND(0.077) [ND(0.075)]
Bromomethane (Methyl Bromide)	ND(0.17 J)	ND(0.17 J) [ND(0.17 J)]	ND(0.16 J)	ND(0.16 J) [ND(0.16 J)]	ND(0.16 J)	ND(0.16 J) [ND(0.16 J)]
Carbon disulfide	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16) [ND(0.16)]
Carbon tetrachloride	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.036)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.038) [ND(0.038)]
Chlorobenzene	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.036)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.038) [ND(0.038)]
Chloroethane	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16) [ND(0.16)]
Chloroform (Trichloromethane)	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.036)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.038) [ND(0.038)]
Chloromethane (Methyl Chloride)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16) [ND(0.16)]
cis-1,2-Dichloroethene	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.036)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.038) [ND(0.038)]
cis-1,3-Dichloropropene	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.036)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.038) [ND(0.038)]
Cyclohexane	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16) [ND(0.16)]
Dibromochloromethane	ND(0.078)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.077) [ND(0.076)]	ND(0.075)	ND(0.077) [ND(0.075)]
Dichlorodifluoromethane (CFC-12)	ND(0.078)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.077) [ND(0.076)]	ND(0.075)	ND(0.077) [ND(0.075)]
Ethylbenzene	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.036)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.038) [ND(0.038)]
Isopropylbenzene	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16) [ND(0.16)]
m&p-Xylene	ND(0.078)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.077) [ND(0.076)]	ND(0.075)	ND(0.077) [ND(0.075)]
Methyl acetate	ND(0.17)	ND(0.17 J) [ND(0.17 J)]	ND(0.16 J)	ND(0.16 J) [ND(0.16 J)]	ND(0.16 J)	0.046 J [0.053 J]
Methyl cyclohexane	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16) [0.028 J]
Methyl Tert Butyl Ether	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16) [ND(0.16)]
Methylene chloride	0.036 J	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	0.030 J [ND(0.16)]
o-Xylene	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.036)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.038) [ND(0.038)]
Styrene	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.036)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.038) [ND(0.038)]
Tetrachloroethene	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.036)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.038) [ND(0.038)]
Toluene	ND(0.078)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.077) [ND(0.076)]	ND(0.075)	ND(0.077) [ND(0.075)]
trans-1,2-Dichloroethene	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.036)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.038) [ND(0.038)]
trans-1,3-Dichloropropene	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.036)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.038) [ND(0.038)]
Trichloroethene	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.036)	ND(0.038) [ND(0.038)]	ND(0.038)	ND(0.038) [ND(0.038)]
Trichlorofluoromethane (CFC-11)	ND(0.078)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.077) [ND(0.076)]	ND(0.075)	ND(0.077) [ND(0.075)]
Trifluorotrchloroethane (Freon 113)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16) [ND(0.16)]
Vinyl chloride	ND(0.078)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.077) [ND(0.076)]	ND(0.075)	ND(0.077) [ND(0.075)]
Xylenes (total)	ND(0.078)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.077) [ND(0.076)]	ND(0.075)	ND(0.077) [ND(0.075)]
SVOC						
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
2,4,5-Trichlorophenol	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
2,4,6-Trichlorophenol	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
2,4-Dichlorophenol	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
2,4-Dimethylphenol	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
2,4-Dinitrophenol	ND(0.75)	ND(0.75) [ND(0.74)]	ND(0.71)	ND(0.75) [ND(0.75)]	ND(7.3)	ND(11) [ND(2.2)]
2,4-Dinitrotoluene	ND(0.75)	ND(0.75) [ND(0.74)]	ND(0.71)	ND(0.75) [ND(0.75)]	ND(7.3)	ND(11) [ND(2.2)]
2,6-Dinitrotoluene	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
2-Chloronaphthalene	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
2-Chlorophenol	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
2-Methylnaphthalene	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	0.23 [1.1]	1.1 J	2.4 J [2.4]
2-Methylphenol	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
2-Nitroaniline	ND(0.75)	ND(0.75) [ND(0.74)]	ND(0.71)	ND(0.75) [ND(0.75)]	ND(7.3)	ND(11) [ND(2.2)]
2-Nitrophenol	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
3&4-Methylphenol	ND(0.38 J)	ND(0.38 J) [ND(0.38 J)]	ND(0.36 J)	ND(0.38 J) [ND(0.38 J)]	ND(3.7 J)	ND(5.7 J) [ND(1.1 J)]
3,3'-Dichlorobenzidine	ND(0.75)	ND(0.75) [ND(0.74)]	ND(0.71)	ND(0.75) [ND(0.75)]	ND(7.3 J)	ND(11) [ND(2.2)]
3-Methylphenol	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ND(0.75)	ND(0.75) [ND(0.74)]	ND(0.71)	ND(0.75) [ND(0.75)]	ND(7.3)	ND(11) [ND(2.2)]
4,6-Dinitro-2-methylpheno	ND(0.75)	ND(0.75) [ND(0.74)]	ND(0.71)	ND(0.75) [ND(0.75)]	ND(7.3)	ND(11) [ND(2.2)]
4-Bromophenyl phenyl ether	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
4-Chloro-3-methylpheno	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
4-Chloroaniline	ND(0.75 J)	ND(0.75 J) [ND(0.74 J)]	ND(0.71 J)	ND(0.75 J) [ND(0.75 J)]	ND(7.3 J)	ND(11 J) [ND(2.2 J)]
4-Chlorophenyl phenyl ether	ND(0.75)	ND(0.75) [ND(0.74)]	ND(0.71)	ND(0.75) [ND(0.75)]	ND(7.3)	ND(11) [ND(2.2)]
4-Nitroaniline	ND(0.75)	ND(0.75) [ND(0.74)]	ND(0.71)	ND(0.75) [ND(0.75)]	ND(7.3)	ND(11) [ND(2.2)]
4-Nitrophenol	ND(0.75)	ND(0.75) [ND(0.74)]	ND(0.71)	ND(0.75) [ND(0.75)]	ND(7.3)	ND(11) [ND(2.2)]
Acenaphthene	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	0.47 [3.1]	ND(1.9)	ND(2.9) [0.36 J]
Acenaphthylene	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [0.26]	ND(1.9)	ND(2.9) [ND(0.56)]
Acetophenone	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
Anthracene	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	0.28 [6.9 D]	ND(1.9)	ND(2.9) [0.38 J]
Atrazine	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
Benzaldehyde	ND(0.19 J)	ND(0.19 J) [ND(0.19 J)]	ND(0.18 J)	ND(0.19 J) [ND(0.19 J)]	ND(1.9 J)	ND(2.9 J) [ND(0.56 J)]

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-83/84-50 3 - 5 04/10/03	RFI-83/84-50 5 - 7 04/10/03	RFI-83/84-51 3 - 5 04/10/03	RFI-83/84-51 5 - 7 04/10/03	RFI-83/84-52 0.9 - 2.9 04/11/03	RFI-83/84-52 2.9 - 4.9 04/11/03
Benzo(a)anthracene	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	0.18 J [1.5]	ND(1.9 J)	ND(2.9) [0.45 J]
Benzo(a)pyrene	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	0.099 J [0.90]	ND(1.9 J)	ND(2.9) [ND(0.56)]
Benzo(b)fluoranthene	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	0.088 J [0.96]	ND(1.9 J)	ND(2.9) [ND(0.56)]
Benzo(g,h,i)perylene	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [0.29]	ND(1.9 J)	ND(2.9) [ND(0.56 J)]
Benzo(k)fluoranthene	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	0.10 J [0.78]	ND(1.9 J)	ND(2.9) [ND(0.56)]
Biphenyl	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	0.090 J [0.65]	ND(1.9)	ND(2.9) [ND(0.56)]
bis(2-Chloroethoxy)methane	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
bis(2-Chloroethyl)ether	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.035)	ND(0.037) [ND(0.037)]	ND(0.36)	ND(0.56) [ND(0.11)]
bis(2-Ethylhexyl)phthalate	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9 J)	ND(2.9) [0.60]
Butyl benzylphthalate	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9 J)	ND(2.9) [ND(0.56)]
Caprolactam	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
Carbazole	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	0.17 J [4.1]	ND(1.9)	ND(2.9) [ND(0.56)]
Chrysene	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	0.19 J [1.4]	ND(1.9)	ND(2.9) [0.99]
Dibenz(a,h)anthracene	ND(0.19 J)	ND(0.19 J) [ND(0.19 J)]	ND(0.18 J)	ND(0.19 J) [ND(0.19 J)]	ND(1.9 J)	ND(2.9 J) [ND(0.56 J)]
Dibenzofuran	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	0.31 [2.7]	ND(1.9)	ND(2.9) [ND(0.56)]
Diethyl phthalate	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
Dimethyl phthalate	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
Di-n-butylphthalate	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
Di-n-octyl phthalate	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9 J)	ND(2.9) [ND(0.56 J)]
Fluoranthene	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	0.91 [8.2 D]	ND(1.9)	ND(2.9) [0.65]
Fluorene	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	0.44 [4.1]	ND(1.9)	ND(2.9) [0.85]
Hexachlorobenzene	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
Hexachlorobutadiene	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
Hexachlorocyclopentadiene	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
Hexachloroethane	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
Indeno(1,2,3-cd)pyrene	ND(0.19 J)	ND(0.19 J) [ND(0.19 J)]	ND(0.18 J)	ND(0.19 J) [0.33 J]	ND(1.9 J)	ND(2.9 J) [ND(0.56 J)]
Isophorone	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
Methylphenols, Total	ND(0.38)	ND(0.38) [ND(0.38)]	ND(0.36)	ND(0.38) [ND(0.38)]	ND(3.7)	ND(5.7) [ND(1.1)]
Naphthalene	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	1.1 [2.7]	ND(1.9)	ND(2.9) [0.63]
Nitrobenzene	ND(0.075)	ND(0.075) [ND(0.074)]	ND(0.071)	ND(0.075) [ND(0.075)]	ND(0.73)	ND(1.1) [ND(0.22)]
N-Nitrosodi-n-propylamine	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
N-Nitrosodiphenylamine	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
Pentachlorophenol	ND(0.75)	ND(0.75) [ND(0.74)]	ND(0.71)	ND(0.75) [ND(0.75)]	ND(7.3)	ND(11) [ND(2.2)]
Phenanthrene	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	1.5 [15 D]	1.4 J	2.7 J [2.6]
Phenol	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]	ND(1.9)	ND(2.9) [ND(0.56)]
Pyrene	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	0.56 [4.3]	1.1 J	1.8 J [2.5]
PCB						
Aroclor-1016 (PCB-1016)	ND(0.039)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.038)	ND(0.039) [ND(0.039)]
Aroclor-1221 (PCB-1221)	ND(0.039)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.038)	ND(0.039) [ND(0.039)]
Aroclor-1232 (PCB-1232)	ND(0.039)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.038)	ND(0.039) [ND(0.039)]
Aroclor-1242 (PCB-1242)	ND(0.039)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.039) [ND(0.039)]	0.054	0.096 [0.13]
Aroclor-1248 (PCB-1248)	ND(0.039)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.038)	ND(0.039) [ND(0.039)]
Aroclor-1254 (PCB-1254)	ND(0.039)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.038)	ND(0.039) [ND(0.039)]
Aroclor-1260 (PCB-1260)	ND(0.039)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.038)	ND(0.039) [ND(0.039)]
Total PCBs	ND(0.039)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.039) [ND(0.039)]	0.054	0.096 [0.13]
Inorganic						
Antimony	0.018 J	ND(0.16) [ND(0.16)]	ND(0.14)	0.011 J [ND(0.16)]	ND(0.16)	ND(0.15) [ND(0.15)]
Arsenic	2.7	1.3 [2.1]	4.1	9.1 (RDC) [4.9]	4.5	4.1 [3.5]
Barium	20	8.9 [20]	12	31 [21]	37	38 [33]
Beryllium	0.21	0.14 [0.20]	0.19	0.30 [0.20]	0.36	0.26 [0.23]
Cadmium	ND(0.11)	ND(0.011) [ND(0.094)]	ND(0.094)	ND(0.12) [ND(0.11)]	ND(0.11)	ND(0.13) [ND(0.14)]
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA
Chromium Total	8.6	4.7 [6.5]	5.6	8.7 [6.0]	12	9.6 [8.6]
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA
Cobalt	2.7	1.7 [2.5]	2.5	3.8 [2.9]	5.1	4.0 [3.7]
Copper	8.9	8.6 [6.9]	5.8	13 [8.4]	9.0	90 [63]
Cyanide (total)	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20) [ND(0.20)]
Lead	7.7	4.3 [6.1]	5.7	14 [6.0]	8.4	7.1 [7.0]
Manganese	89	76 [78]	110	140 [120]	200	180 [130]
Mercury	0.044 J	0.023 J [0.019 J]	0.029 J	0.031 J [0.026 J]	0.037 J	0.071 J [0.070 J]
Nickel	8.2	6.5 [6.6]	6.4	11 [7.3]	11	9.2 [8.8]
Selenium	0.25 J	0.064 J [ND(0.063)]	0.13	0.14 [0.084]	0.25 J	0.18 [0.17]
Silver	0.23	0.13 J [0.10 J]	0.11 J	0.13 J [0.065 J]	0.077 J	0.12 J [0.052 J]
Thallium	0.087 J	0.053 J [0.062 J]	0.073 J	0.14 J [0.092 J]	0.12 J	0.12 J [0.093 J]
Vanadium	15	9.7 [13]	11	18 [12]	21	18 [18]
Zinc	30	22 [22]	18	32 [30]	33	28 [22]

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-83/84-52 6.9 - 8.9 04/11/03	RFI-83/84-53 0.9 - 2.9 04/11/03	RFI-83/84-53 6.9 - 8.9 04/11/03	RFI-83/84-53 8.9 - 10.9 04/11/03	RFI-83/84-54 0.6 - 2.6 04/11/03	RFI-84-07 2 - 4 06/30/05	RFI-84-07 8 - 10 06/30/05	RFI-84-07 14 - 16 06/30/05	RFI-84-08 2 - 3 06/28/05
Miscellaneous									
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	78	92	96	84	92	88	85	78	91
VOC									
1,1,1-Trichloroethane	ND(0.044)	ND(0.037)	ND(0.036)	ND(0.041)	ND(0.038)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
1,1,2,2-Tetrachloroethane	ND(0.088)	ND(0.074)	ND(0.072)	ND(0.081)	ND(0.076)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
1,1,2-Trichloroethane	ND(0.044)	ND(0.037)	ND(0.036)	ND(0.041)	ND(0.038)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
1,1-Dichloroethane	ND(0.044)	ND(0.037)	ND(0.036)	ND(0.041)	ND(0.038)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
1,1-Dichloroethene	ND(0.044)	ND(0.037)	ND(0.036)	ND(0.041)	ND(0.038)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
1,2,4-Trichlorobenzene	ND(0.19)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.19)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.19)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.020)	ND(0.030)	ND(0.020)	ND(0.020)
1,2-Dichlorobenzene	ND(0.088)	ND(0.074)	ND(0.072)	ND(0.081)	ND(0.076)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
1,2-Dichloroethane	ND(0.044)	ND(0.037)	ND(0.036)	ND(0.041)	ND(0.038)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
1,2-Dichloropropane	ND(0.044)	ND(0.037)	ND(0.036)	ND(0.041)	ND(0.038)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
1,3-Dichlorobenzene	ND(0.088)	ND(0.074)	ND(0.072)	ND(0.081)	ND(0.076)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
1,4-Dichlorobenzene	ND(0.088)	ND(0.074)	ND(0.072)	ND(0.081)	ND(0.076)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
2-Butanone (Methyl Ethyl Ketone)	ND(0.38)	ND(0.32)	ND(0.31)	ND(0.35)	ND(0.33)	ND(0.90)	ND(1.0)	ND(0.90)	ND(0.80)
2-Hexanone	ND(0.088)	ND(0.074)	ND(0.072)	ND(0.081)	ND(0.076)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(1.9)	ND(1.6)	ND(1.6)	ND(1.7)	ND(1.6)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)
Acetone	ND(0.38)	0.088 J	ND(0.31)	ND(0.35)	ND(0.33)	ND(0.90)	ND(1.0)	ND(0.90)	ND(0.80)
Benzene	ND(0.044)	ND(0.037)	ND(0.036)	ND(0.041)	ND(0.038)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
Bromodichloromethane	ND(0.088)	ND(0.074)	ND(0.072)	ND(0.081)	ND(0.076)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
Bromoform	ND(0.088)	ND(0.074)	ND(0.072)	ND(0.081)	ND(0.076)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
Bromomethane (Methyl Bromide)	ND(0.19 J)	ND(0.16 J)	ND(0.16 J)	ND(0.17 J)	ND(0.16 J)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Carbon disulfide	ND(0.19)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Carbon tetrachloride	ND(0.044)	ND(0.037)	ND(0.036)	ND(0.041)	ND(0.038)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
Chlorobenzene	ND(0.044)	ND(0.037)	ND(0.036)	ND(0.041)	ND(0.038)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
Chloroethane	ND(0.19)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Chloroform (Trichloromethane)	ND(0.044)	ND(0.037)	ND(0.036)	ND(0.041)	ND(0.038)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
Chloromethane (Methyl Chloride)	ND(0.19)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
cis-1,2-Dichloroethene	ND(0.044)	ND(0.037)	ND(0.036)	ND(0.041)	ND(0.038)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
cis-1,3-Dichloropropene	ND(0.044)	ND(0.037)	ND(0.036)	ND(0.041)	ND(0.038)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
Cyclohexane	ND(0.19)	ND(0.16)	0.046 J	ND(0.17)	0.031 J	ND(0.060)	ND(0.070)	ND(0.060)	0.070
Dibromochloromethane	ND(0.088)	ND(0.074)	ND(0.072)	ND(0.081)	ND(0.076)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
Dichlorodifluoromethane (CFC-12)	ND(0.088)	ND(0.074)	ND(0.072)	ND(0.081)	ND(0.076)	ND(0.060 J)	ND(0.070)	ND(0.060)	ND(0.050)
Ethylbenzene	ND(0.044)	ND(0.037)	ND(0.036)	ND(0.041)	ND(0.038)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
Isopropylbenzene	ND(0.19)	0.044 J	0.035 J	ND(0.17)	ND(0.16)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
m&p-Xylene	ND(0.088)	ND(0.074)	ND(0.072)	ND(0.081)	0.046 J	ND(0.060)	ND(0.070)	ND(0.060)	0.040 J
Methyl acetate	ND(0.19 J)	0.053 J	ND(0.16 J)	ND(0.17 J)	ND(0.16 J)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)
Methyl cyclohexane	ND(0.19)	ND(0.16)	0.58	0.092 J	0.085 J	ND(0.060)	ND(0.070)	ND(0.060)	0.060
Methyl Tert Butyl Ether	ND(0.19)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
Methylene chloride	ND(0.19)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)
o-Xylene	ND(0.044)	ND(0.037)	ND(0.036)	ND(0.041)	0.027 J	ND(0.060)	ND(0.070)	ND(0.060)	0.020 J
Styrene	ND(0.044)	ND(0.037)	ND(0.036)	ND(0.041)	ND(0.038)	ND(0.060)	ND(0.070)	ND(0.060)	0.020 J
Tetrachloroethene	ND(0.044)	ND(0.037)	ND(0.036)	ND(0.041)	ND(0.038)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
Toluene	ND(0.088)	0.10	ND(0.072)	ND(0.081)	0.038 J	ND(0.060)	ND(0.070)	ND(0.060)	0.030 J
trans-1,2-Dichloroethene	ND(0.044)	ND(0.037)	ND(0.036)	ND(0.041)	ND(0.038)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
trans-1,3-Dichloropropene	ND(0.044)	ND(0.037)	ND(0.036)	ND(0.041)	ND(0.038)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
Trichloroethene	ND(0.044)	ND(0.037)	ND(0.036)	ND(0.041)	ND(0.038)	ND(0.060)	ND(0.070)	ND(0.060)	ND(0.050)
Trichlorofluoromethane (CFC-11)	ND(0.088)	ND(0.074)	ND(0.072)	ND(0.081)	ND(0.076)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Trifluorotrichloroethane (Freon 113)	ND(0.19)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Vinyl chloride	ND(0.088)	ND(0.074)	ND(0.072)	ND(0.081)	ND(0.076)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Xylenes (total)	ND(0.088)	ND(0.074)	ND(0.072)	ND(0.081)	0.073 J	ND(0.060)	ND(0.070)	ND(0.060)	0.060 J
SVOC									
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
2,4,5-Trichlorophenol	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
2,4,6-Trichlorophenol	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
2,4-Dichlorophenol	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
2,4-Dimethylphenol	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
2,4-Dinitrophenol	ND(0.86)	ND(15)	ND(7.0)	ND(16)	ND(3.7)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)
2,4-Dinitrotoluene	ND(0.86)	ND(15)	ND(7.0)	ND(16)	ND(3.7)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
2,6-Dinitrotoluene	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
2-Chloronaphthalene	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
2-Chlorophenol	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
2-Methylnaphthalene	0.41	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	0.040 J
2-Methylphenol	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
2-Nitroaniline	ND(0.86)	ND(15)	ND(7.0)	ND(16)	ND(3.7)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)
2-Nitrophenol	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
3&4-Methylphenol	ND(0.44 J)	ND(7.4 J)	ND(3.6 J)	ND(8.1 J)	ND(1.9 J)	NA	NA	NA	NA
3,3'-Dichlorobenzidine	ND(0.86)	ND(15)	ND(7.0)	ND(16)	ND(3.7)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)
3-Methylphenol	NA	NA	NA	NA	NA	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
3-Nitroaniline	ND(0.86)	ND(15)	ND(7.0)	ND(16)	ND(3.7)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)
4,6-Dinitro-2-methylpheno	ND(0.86)	ND(15)	ND(7.0)	ND(16)	ND(3.7)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)
4-Bromophenyl phenyl ether	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
4-Chloro-3-methylpheno	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
4-Chloroaniline	ND(0.86 J)	ND(15 J)	ND(7.0 J)	ND(16 J)	ND(3.7 J)	ND(0.67 J)	ND(0.67 J)	ND(0.67 J)	ND(0.67 J)
4-Chlorophenyl phenyl ether	ND(0.86)	ND(15)	ND(7.0)	ND(16)	ND(3.7)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
4-Nitroaniline	ND(0.86)	ND(15)	ND(7.0)	ND(16)	ND(3.7)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)
4-Nitrophenol	ND(0.86)	ND(15)	ND(7.0)	ND(16)	ND(3.7)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)
Acenaphthene	0.13 J	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Acenaphthylene	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Acetophenone	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Anthracene	0.14 J	1.3 J	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Atrazine	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Benzaldehyde	ND(0.22 J)	ND(3.7 J)	ND(1.8 J)	ND(4.0 J)	ND(0.93 J)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-83/84-52 6.9 - 8.9 04/11/03	RFI-83/84-53 0.9 - 2.9 04/11/03	RFI-83/84-53 6.9 - 8.9 04/11/03	RFI-83/84-53 8.9 - 10.9 04/11/03	RFI-83/84-54 0.6 - 2.6 04/11/03	RFI-84-07 2 - 4 06/30/05	RFI-84-07 8 - 10 06/30/05	RFI-84-07 14 - 16 06/30/05	RFI-84-08 2 - 3 06/28/05
Benzo(a)anthracene	0.19 J	2.2 J	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(a)pyrene	ND(0.22)	1.6 J	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(b)fluoranthene	ND(0.22)	2.4 J	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(g,h,i)perylene	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(k)fluoranthene	ND(0.22)	1.6 J	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Biphenyl	0.095 J	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
bis(2-Chloroethoxy)methane	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
bis(2-Chloroethyl)ether	ND(0.043)	ND(0.71)	ND(0.35)	ND(0.78)	ND(0.18)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
bis(2-Ethylhexyl)phthalate	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Butyl benzylphthalate	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Caprolactam	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Carbazole	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Chrysene	0.59	2.6 J	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Dibenz(a,h)anthracene	ND(0.22 J)	ND(3.7 J)	ND(1.8 J)	ND(4.0 J)	ND(0.93 J)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Dibenzofuran	0.11 J	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	0.040 J
Diethyl phthalate	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Dimethyl phthalate	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Di-n-butylphthalate	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Di-n-octyl phthalate	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Fluoranthene	0.28	7.4	0.89 J	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	0.070 J
Fluorene	0.25	1.2 J	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Hexachlorobenzene	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Hexachlorobutadiene	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Hexachlorocyclopentadiene	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Hexachloroethane	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Indeno(1,2,3-cd)pyrene	ND(0.22 J)	ND(3.7 J)	ND(1.8 J)	ND(4.0 J)	ND(0.93 J)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Isophorone	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Methylphenols, Total	ND(0.44)	ND(7.4)	ND(3.6)	ND(8.1)	ND(1.9)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Naphthalene	0.15 J	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Nitrobenzene	ND(0.086)	ND(1.5)	ND(0.70)	ND(1.6)	ND(0.37)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
N-Nitrosodi-n-propylamine	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
N-Nitrosodiphenylamine	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Pentachlorophenol	ND(0.86)	ND(15)	ND(7.0)	ND(16)	ND(3.7)	ND(0.67)	ND(0.67)	ND(0.67)	ND(0.67)
Phenanthrene	0.97	8.7	1.5 J	2.4 J	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	0.20 J
Phenol	ND(0.22)	ND(3.7)	ND(1.8)	ND(4.0)	ND(0.93)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Pyrene	1.1	8.4	1.5 J	2.3 J	0.37 J	ND(0.33)	ND(0.33)	ND(0.33)	0.050 J
PCB									
Aroclor-1016 (PCB-1016)	ND(0.045)	ND(0.038)	ND(0.037)	ND(0.042)	ND(0.038)	ND(0.33 J)	ND(0.33 J)	ND(0.33 J)	ND(0.33)
Aroclor-1221 (PCB-1221)	ND(0.045)	ND(0.038)	ND(0.037)	ND(0.042)	ND(0.038)	ND(0.33 J)	ND(0.33 J)	ND(0.33 J)	ND(0.33)
Aroclor-1232 (PCB-1232)	ND(0.045)	ND(0.038)	ND(0.037)	ND(0.042)	ND(0.038)	ND(0.33 J)	ND(0.33 J)	ND(0.33 J)	ND(0.33)
Aroclor-1242 (PCB-1242)	ND(0.045)	0.041	0.057	ND(0.042)	ND(0.038)	ND(0.33 J)	ND(0.33 J)	ND(0.33 J)	ND(0.33)
Aroclor-1248 (PCB-1248)	ND(0.045)	ND(0.038)	ND(0.037)	ND(0.042)	ND(0.038)	ND(0.33 J)	ND(0.33 J)	ND(0.33 J)	ND(0.33)
Aroclor-1254 (PCB-1254)	ND(0.045)	ND(0.038)	ND(0.037)	ND(0.042)	ND(0.038)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Aroclor-1260 (PCB-1260)	ND(0.045)	ND(0.038)	ND(0.037)	ND(0.042)	ND(0.038)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Total PCBs	ND(0.045)	0.041	0.057	ND(0.042)	ND(0.038)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Inorganic									
Antimony	ND(0.18)	ND(0.14)	0.021 J	ND(0.15)	3.4	ND(0.30)	ND(0.47)	ND(0.30)	ND(0.30)
Arsenic	10 (RDC)	3.2	2.2	4.5	4.4	1.8	1.8	2.8	ND(0.68)
Barium	120	28	7.7	55	110	44	31	84	7.1
Beryllium	0.81	0.20	0.11	0.49	0.29	0.19 J	0.18 J	0.51	0.090 J
Cadmium	0.18	ND(0.12)	ND(0.079)	0.16	0.43	0.17 J	0.090 J	0.090 J	ND(0.20)
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	26	15	5.3	16	25	3.7	3.6	13	29
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	10	3.8	2.3	6.7	2.8	3.6	3.0	11	0.97
Copper	19	30	7.7	12	73	19	5.6	19	18
Cyanide (total)	ND(0.30)	0.52 J	ND(0.20)	ND(0.20)	0.36 J	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Lead	16	8.8	3.8	9.8	140	13	4.8	11	3.9
Manganese	400	160	160	510	280	330	200	440	160
Mercury	0.052 J	0.0052 J	0.019 J	0.059 J	0.13 J	0.060	0.010 J	0.020 J	ND(0.050)
Nickel	26	13	7.2	17	13	7.8	6.1	25	8.2
Selenium	0.13	0.14	0.14	0.091	0.33	ND(0.87)	ND(0.64)	ND(0.92)	ND(0.20)
Silver	0.14 J	0.063 J	0.024 J	0.075 J	0.14 J	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Thallium	0.29	0.078 J	0.046 J	0.19	0.087 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Vanadium	42	18	9.9	28	11	6.2	6.5	16	1.7
Zinc	53	20	16	35	110	14	11	27	2.9

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-84-08 8 - 10 06/28/05	RFI-84-08 28 - 30 06/29/05	RFI-84-09 0.5 - 2.5 07/16/05	RFI-84-09 8 - 10 07/16/05	RFI-84-10 0.7 - 2.7 07/16/05	RFI-84-10 2.7 - 4.7 07/16/05	RFI-84-11 0.5 - 2.5 07/16/05	RFI-84-11 3.5 - 5.5 07/16/05
Miscellaneous								
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	82	82	90	84	89	84	82 [83]	88
VOC								
1,1,1-Trichloroethane	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
1,1,2,2-Tetrachloroethane	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
1,1,2-Trichloroethane	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
1,1-Dichloroethane	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
1,1-Dichloroethene	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
1,2,4-Trichlorobenzene	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.030)	ND(0.030)	ND(0.020)	ND(0.030)	ND(0.020)	ND(0.020)	ND(0.030) [ND(0.030)]	ND(0.020)
1,2-Dichlorobenzene	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
1,2-Dichloroethane	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
1,2-Dichloropropane	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
1,3-Dichlorobenzene	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
1,4-Dichlorobenzene	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
2-Butanone (Methyl Ethyl Ketone)	ND(1.0)	ND(1.0)	ND(0.80)	ND(1.0)	ND(0.80)	ND(0.90)	ND(1.0) [ND(0.90)]	ND(0.80)
2-Hexanone	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0) [ND(3.0)]	ND(3.0)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0) [ND(3.0)]	ND(3.0)
Acetone	ND(1.0)	ND(1.0)	ND(0.80)	ND(1.0)	ND(0.80)	ND(0.90)	ND(1.0) [ND(0.90)]	ND(0.80)
Benzene	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	0.030 J
Bromodichloromethane	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
Bromoform	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
Bromomethane (Methyl Bromide)	ND(0.30)	ND(0.30)	ND(0.30 J)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)
Carbon disulfide	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)
Carbon tetrachloride	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
Chlorobenzene	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
Chloroethane	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)
Chloroform (Trichloromethane)	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
Chloromethane (Methyl Chloride)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)
cis-1,2-Dichloroethene	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
cis-1,3-Dichloropropene	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
Cyclohexane	ND(0.070)	ND(0.070)	ND(0.050 J)	ND(0.070 J)	ND(0.050 J)	ND(0.060 J)	ND(0.060 J) [ND(0.060 J)]	ND(0.050 J)
Dibromochloromethane	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
Dichlorodifluoromethane (CFC-12)	ND(0.070)	ND(0.070)	ND(0.050 J)	ND(0.070 J)	ND(0.050 J)	ND(0.060 J)	ND(0.060 J) [ND(0.060 J)]	ND(0.050 J)
Ethylbenzene	ND(0.070)	ND(0.070)	0.010 J	ND(0.070)	0.0080 J	ND(0.060)	ND(0.060) [ND(0.060)]	0.030 J
Isopropylbenzene	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	0.020 J
m&p-Xylene	ND(0.070)	ND(0.070)	0.040 J	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	0.12
Methyl acetate	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0) [ND(3.0)]	ND(3.0)
Methyl cyclohexane	0.040 J	ND(0.070)	0.090	0.050 J	0.040 J	ND(0.060)	ND(0.060) [ND(0.060)]	0.19
Methyl Tert Butyl Ether	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)
Methylene chloride	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30)	ND(0.30) [ND(0.30)]	ND(0.30)
o-Xylene	ND(0.070)	ND(0.070)	0.020 J	0.0090 J	0.020 J	ND(0.060)	ND(0.060) [ND(0.060)]	0.090
Styrene	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
Tetrachloroethene	0.030 J	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
Toluene	ND(0.070)	ND(0.070)	0.030 J	0.020 J	0.020 J	ND(0.060)	ND(0.060) [ND(0.060)]	0.12
trans-1,2-Dichloroethene	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
trans-1,3-Dichloropropene	ND(0.070)	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	ND(0.050)
Trichloroethene	0.020 J	ND(0.070)	ND(0.050)	ND(0.070)	ND(0.050)	ND(0.060)	ND(0.060) [ND(0.060)]	0.030 J
Trichlorofluoromethane (CFC-11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)
Trifluorotrichloroethane (Freon 113)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)
Vinyl chloride	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)
Xylenes (total)	ND(0.070)	ND(0.070)	0.060 J	0.0090 J	0.020 J	ND(0.060)	ND(0.060) [ND(0.060)]	0.21
SVOC								
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	ND(0.67)	ND(0.67)	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
2-Chlorophenol	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	0.030 J	ND(0.33)	NA	NA	NA	NA	NA	NA
2-Methylphenol	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
2-Nitroaniline	ND(0.67)	ND(0.67)	NA	NA	NA	NA	NA	NA
2-Nitrophenol	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
3&4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	ND(0.67)	ND(0.67)	NA	NA	NA	NA	NA	NA
3-Methylphenol	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ND(0.67)	ND(0.67)	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylpheno	ND(0.67)	ND(0.67)	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylpheno	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
4-Chloroaniline	ND(0.67 J)	ND(0.67 J)	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
4-Nitroaniline	ND(0.67)	ND(0.67)	NA	NA	NA	NA	NA	NA
4-Nitrophenol	ND(0.67)	ND(0.67)	NA	NA	NA	NA	NA	NA
Acenaphthene	0.050 J	ND(0.33)	NA	NA	NA	NA	NA	NA
Acenaphthylene	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Acetophenone	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Anthracene	0.10 J	ND(0.33)	NA	NA	NA	NA	NA	NA
Atrazine	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Benzaldehyde	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-84-08 8 - 10 06/28/05	RFI-84-08 28 - 30 06/29/05	RFI-84-09 0.5 - 2.5 07/16/05	RFI-84-09 8 - 10 07/16/05	RFI-84-10 0.7 - 2.7 07/16/05	RFI-84-10 2.7 - 4.7 07/16/05	RFI-84-11 0.5 - 2.5 07/16/05	RFI-84-11 3.5 - 5.5 07/16/05
Benzo(a)anthracene	0.20 J	ND(0.33)	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	0.10 J	ND(0.33)	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.10 J	ND(0.33)	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	0.30 J	ND(0.33)	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.20 J	ND(0.33)	NA	NA	NA	NA	NA	NA
Biphenyl	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Butyl benzylphthalate	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Caprolactam	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Carbazole	0.070 J	ND(0.33)	NA	NA	NA	NA	NA	NA
Chrysene	0.20 J	ND(0.33)	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	0.20 J	ND(0.33)	NA	NA	NA	NA	NA	NA
Dibenzofuran	0.060 J	ND(0.33)	NA	NA	NA	NA	NA	NA
Diethyl phthalate	ND(0.33)	0.020 J	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Fluoranthene	0.46	ND(0.33)	NA	NA	NA	NA	NA	NA
Fluorene	0.070 J	ND(0.33)	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Hexachloroethane	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.30 J	ND(0.33)	NA	NA	NA	NA	NA	NA
Isophorone	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Methylphenols, Total	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Naphthalene	0.050 J	ND(0.33)	NA	NA	NA	NA	NA	NA
Nitrobenzene	ND(0.20)	ND(0.20)	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ND(0.67)	ND(0.67)	NA	NA	NA	NA	NA	NA
Phenanthrene	0.54	ND(0.33)	NA	NA	NA	NA	NA	NA
Phenol	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Pyrene	0.36	ND(0.33)	NA	NA	NA	NA	NA	NA
PCB								
Aroclor-1016 (PCB-1016)	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Total PCBs	ND(0.33)	ND(0.33)	NA	NA	NA	NA	NA	NA
Inorganic								
Antimony	ND(0.30)	ND(0.30)	NA	NA	NA	NA	NA	NA
Arsenic	2.7	6.1	NA	NA	NA	NA	NA	NA
Barium	43	18	NA	NA	NA	NA	NA	NA
Beryllium	0.50	0.12 J	NA	NA	NA	NA	NA	NA
Cadmium	0.15 J	0.080 J	NA	NA	NA	NA	NA	NA
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	3.6	2.9	NA	NA	NA	NA	NA	NA
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	3.7	3.3	NA	NA	NA	NA	NA	NA
Copper	15	8.7	NA	NA	NA	NA	NA	NA
Cyanide (total)	ND(0.10)	ND(0.10)	NA	NA	NA	NA	NA	NA
Lead	170	5.3	NA	NA	NA	NA	NA	NA
Manganese	300	360	NA	NA	NA	NA	NA	NA
Mercury	0.040 J	0.010 J	NA	NA	NA	NA	NA	NA
Nickel	8.5	7.0	NA	NA	NA	NA	NA	NA
Selenium	ND(0.58)	ND(0.82)	NA	NA	NA	NA	NA	NA
Silver	ND(0.10)	ND(0.10)	NA	NA	NA	NA	NA	NA
Thallium	0.25 J	ND(0.50)	NA	NA	NA	NA	NA	NA
Vanadium	7.4	5.3	NA	NA	NA	NA	NA	NA
Zinc	23	18	NA	NA	NA	NA	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-85-08 0.5 - 2.5 08/22/02	RFI-85-08 6.5 - 8.5 08/22/02	RFI-86-16 0.8 - 2.8 02/27/03	RFI-86-16 7.8 - 9.8 02/27/03	RFI-86-16 9.8 - 11.8 02/27/03	RFI-86-17 1 - 3 03/12/03	RFI-86-18 1 - 3 03/12/03	RFI-94-07 2 - 4 08/21/02	RFI-94-07 4 - 6 08/21/02
Miscellaneous									
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	93	89	94	80	75	83	88	88	85
VOC									
1,1,1-Trichloroethane	ND(0.037 J)	ND(0.040 J)	ND(0.036 J)	ND(0.043 J)	ND(0.047 J)	NA	NA	ND(0.039)	ND(0.042)
1,1,2,2-Tetrachloroethane	ND(0.074 J)	ND(0.080 J)	ND(0.072)	ND(0.087)	ND(0.093)	NA	NA	ND(0.078)	ND(0.083)
1,1,2-Trichloroethane	ND(0.037 J)	ND(0.040 J)	ND(0.036)	ND(0.043)	ND(0.047)	NA	NA	ND(0.039)	ND(0.042)
1,1-Dichloroethane	ND(0.037 J)	ND(0.040 J)	ND(0.036)	ND(0.043)	ND(0.047)	NA	NA	ND(0.039)	ND(0.042)
1,1-Dichloroethene	ND(0.037 J)	ND(0.040 J)	ND(0.036)	ND(0.043)	ND(0.047)	NA	NA	ND(0.039)	ND(0.042)
1,2,4-Trichlorobenzene	ND(0.16 J)	ND(0.17 J)	ND(0.15)	ND(0.19)	ND(0.20)	NA	NA	ND(0.17)	ND(0.18)
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16 J)	ND(0.17 J)	ND(0.15)	ND(0.19)	ND(0.20)	NA	NA	ND(0.17)	ND(0.18)
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.16 J)	ND(0.17 J)	ND(0.15)	ND(0.19)	ND(0.20)	NA	NA	ND(0.17)	ND(0.18)
1,2-Dichlorobenzene	ND(0.074 J)	ND(0.080 J)	ND(0.072)	ND(0.087)	ND(0.093)	NA	NA	ND(0.078)	ND(0.083)
1,2-Dichloroethane	ND(0.037 J)	ND(0.040 J)	ND(0.036 J)	ND(0.043 J)	ND(0.047 J)	NA	NA	ND(0.039)	ND(0.042)
1,2-Dichloropropane	ND(0.037 J)	ND(0.040 J)	ND(0.036)	ND(0.043)	ND(0.047)	NA	NA	ND(0.039)	ND(0.042)
1,3-Dichlorobenzene	ND(0.074 J)	ND(0.080 J)	ND(0.072)	ND(0.087)	ND(0.093)	NA	NA	ND(0.078)	ND(0.083)
1,4-Dichlorobenzene	ND(0.074 J)	ND(0.080 J)	ND(0.072)	ND(0.087)	ND(0.093)	NA	NA	ND(0.078)	ND(0.083)
2-Butanone (Methyl Ethyl Ketone)	ND(0.26 J)	ND(0.29 J)	ND(0.31)	ND(0.37)	ND(0.40)	NA	NA	ND(0.28)	ND(0.30)
2-Hexanone	ND(0.26 J)	ND(0.29 J)	ND(0.072)	ND(0.087)	ND(0.093)	NA	NA	ND(0.28)	ND(0.30)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(0.26 J)	ND(0.29 J)	ND(1.5)	ND(1.9)	ND(2.0)	NA	NA	ND(0.28)	ND(0.30)
Acetone	ND(0.26 J)	ND(0.29 J)	ND(0.31)	ND(0.37)	ND(0.40)	NA	NA	ND(0.28)	ND(0.30)
Benzene	ND(0.037 J)	ND(0.040 J)	ND(0.036)	ND(0.043)	ND(0.047)	NA	NA	ND(0.039)	ND(0.042)
Bromodichloromethane	ND(0.074 J)	ND(0.080 J)	ND(0.072)	ND(0.087)	ND(0.093)	NA	NA	ND(0.078)	ND(0.083)
Bromoform	ND(0.074 J)	ND(0.080 J)	ND(0.072)	ND(0.087)	ND(0.093)	NA	NA	ND(0.078)	ND(0.083)
Bromomethane (Methyl Bromide)	ND(0.16 J)	ND(0.17 J)	ND(0.15 J)	ND(0.19 J)	ND(0.20 J)	NA	NA	ND(0.17)	ND(0.18)
Carbon disulfide	ND(0.16 J)	ND(0.17 J)	ND(0.15)	ND(0.19)	ND(0.20)	NA	NA	ND(0.17)	ND(0.18)
Carbon tetrachloride	ND(0.037 J)	ND(0.040 J)	ND(0.036)	ND(0.043)	ND(0.047)	NA	NA	ND(0.039)	ND(0.042)
Chlorobenzene	ND(0.037 J)	ND(0.040 J)	ND(0.036)	ND(0.043)	ND(0.047)	NA	NA	ND(0.039)	ND(0.042)
Chloroethane	ND(0.16 J)	ND(0.17 J)	ND(0.15)	ND(0.19)	ND(0.20)	NA	NA	ND(0.17)	ND(0.18)
Chloroform (Trichloromethane)	ND(0.037 J)	ND(0.040 J)	ND(0.036)	ND(0.043)	ND(0.047)	NA	NA	ND(0.039)	ND(0.042)
Chloromethane (Methyl Chloride)	ND(0.16 J)	ND(0.17 J)	ND(0.15)	ND(0.19)	ND(0.20)	NA	NA	ND(0.17)	ND(0.18)
cis-1,2-Dichloroethene	ND(0.037 J)	ND(0.040 J)	ND(0.036)	ND(0.043)	ND(0.047)	NA	NA	ND(0.039)	ND(0.042)
cis-1,3-Dichloropropene	ND(0.037 J)	ND(0.040 J)	ND(0.036)	ND(0.043)	ND(0.047)	NA	NA	ND(0.039)	ND(0.042)
Cyclohexane	ND(0.16 J)	ND(0.17 J)	ND(0.15)	ND(0.19)	ND(0.20)	NA	NA	ND(0.17)	ND(0.18)
Dibromochloromethane	ND(0.074 J)	ND(0.080 J)	ND(0.072)	ND(0.087)	ND(0.093)	NA	NA	ND(0.078)	ND(0.083)
Dichlorodifluoromethane (CFC-12)	ND(0.074 J)	ND(0.080 J)	ND(0.072)	ND(0.087)	ND(0.093)	NA	NA	ND(0.078)	ND(0.083)
Ethylbenzene	ND(0.037 J)	ND(0.040 J)	ND(0.036)	ND(0.043)	ND(0.047)	NA	NA	ND(0.039)	ND(0.042)
Isopropylbenzene	ND(0.16 J)	ND(0.17 J)	ND(0.15)	ND(0.19)	ND(0.20)	NA	NA	ND(0.17)	ND(0.18)
m,p-Xylene	ND(0.074 J)	ND(0.080 J)	ND(0.072)	ND(0.087)	ND(0.093)	NA	NA	ND(0.078)	ND(0.083)
Methyl acetate	0.059 J	ND(0.17 J)	0.052 J	ND(0.19)	ND(0.20)	NA	NA	ND(0.17)	ND(0.18)
Methyl cyclohexane	ND(0.16 J)	ND(0.17 J)	ND(0.15)	ND(0.19)	ND(0.20)	NA	NA	0.033 J	ND(0.18)
Methyl Tert Butyl Ether	ND(0.26 J)	ND(0.29 J)	ND(0.15)	ND(0.19)	ND(0.20)	NA	NA	ND(0.28)	ND(0.30)
Methylene chloride	0.070 J	0.090 J	ND(0.15)	1.1	ND(0.20)	NA	NA	ND(0.17)	ND(0.18)
o-Xylene	ND(0.037 J)	ND(0.040 J)	ND(0.036)	ND(0.043)	ND(0.047)	NA	NA	0.065 J	ND(0.042)
Styrene	ND(0.037 J)	ND(0.040 J)	ND(0.036)	ND(0.043)	ND(0.047)	NA	NA	ND(0.039)	ND(0.042)
Tetrachloroethene	ND(0.037 J)	ND(0.040 J)	ND(0.036)	ND(0.043)	ND(0.047)	NA	NA	ND(0.039)	ND(0.042)
Toluene	ND(0.037 J)	ND(0.040 J)	ND(0.072)	ND(0.087)	ND(0.093)	NA	NA	ND(0.039)	ND(0.042)
trans-1,2-Dichloroethene	ND(0.037 J)	ND(0.040 J)	ND(0.036)	ND(0.043)	ND(0.047)	NA	NA	ND(0.039)	ND(0.042)
trans-1,3-Dichloropropene	ND(0.037 J)	ND(0.040 J)	ND(0.036)	ND(0.043)	ND(0.047)	NA	NA	ND(0.039)	ND(0.042)
Trichloroethene	ND(0.037 J)	ND(0.040 J)	ND(0.036)	ND(0.043)	ND(0.047)	NA	NA	ND(0.039)	ND(0.042)
Trichlorofluoromethane (CFC-11)	ND(0.074 J)	ND(0.080 J)	ND(0.072)	ND(0.087)	ND(0.093)	NA	NA	ND(0.078)	ND(0.083)
Trifluorotrchloroethane (Freon 113)	ND(0.16 J)	ND(0.17 J)	ND(0.15)	ND(0.19)	ND(0.20)	NA	NA	ND(0.17)	ND(0.18)
Vinyl chloride	ND(0.037 J)	ND(0.040 J)	ND(0.072)	ND(0.087)	ND(0.093)	NA	NA	ND(0.039)	ND(0.042)
Xylenes (total)	ND(0.074)	ND(0.080)	ND(0.072)	ND(0.087)	ND(0.093)	NA	NA	0.065 J	ND(0.083)
SVOC									
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
2,4,5-Trichlorophenol	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
2,4,6-Trichlorophenol	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
2,4-Dichlorophenol	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
2,4-Dimethylphenol	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
2,4-Dinitrophenol	ND(7.2)	ND(0.75)	R	ND(0.84)	ND(0.89)	NA	NA	ND(3.8)	ND(0.79)
2,4-Dinitrotoluene	ND(7.2)	ND(0.75)	ND(0.72)	ND(0.84)	ND(0.89)	NA	NA	ND(3.8)	ND(0.79)
2,6-Dinitrotoluene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
2-Chloronaphthalene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
2-Chlorophenol	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
2-Methylnaphthalene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
2-Methylphenol	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
2-Nitroaniline	ND(7.2)	ND(0.75)	ND(0.72)	ND(0.84)	ND(0.89)	NA	NA	ND(3.8)	ND(0.79)
2-Nitrophenol	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
3&4-Methylphenol	ND(3.7 J)	ND(0.38 J)	ND(0.36 J)	ND(0.43 J)	ND(0.45 J)	NA	NA	ND(1.9 J)	ND(0.40 J)
3,3'-Dichlorobenzidine	ND(7.2)	ND(0.75)	ND(0.72)	ND(0.84)	ND(0.89)	NA	NA	ND(3.8)	ND(0.79)
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	ND(7.2)	ND(0.75)	ND(0.72)	ND(0.84)	ND(0.89)	NA	NA	ND(3.8)	ND(0.79)
4,6-Dinitro-2-methylpheno	ND(7.2)	ND(0.75)	ND(0.72)	ND(0.84)	ND(0.89)	NA	NA	ND(3.8)	ND(0.79 J)
4-Bromophenyl phenyl ether	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
4-Chloro-3-methylpheno	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
4-Chloroaniline	ND(7.2)	ND(0.75)	ND(0.72)	ND(0.84)	ND(0.89)	NA	NA	ND(3.8)	ND(0.79)
4-Chlorophenyl phenyl ether	ND(7.2)	ND(0.75)	ND(0.72)	ND(0.84)	ND(0.89)	NA	NA	ND(3.8)	ND(0.79)
4-Nitroaniline	ND(7.2)	ND(0.75)	ND(0.72)	ND(0.84)	ND(0.89)	NA	NA	ND(3.8)	ND(0.79)
4-Nitrophenol	ND(7.2)	ND(0.75)	ND(0.72)	ND(0.84)	ND(0.89)	NA	NA	ND(3.8)	ND(0.79)
Acenaphthene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Acenaphthylene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Acetophenone	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Anthracene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Atrazine	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Benzaldehyde	ND(1.8 J)	ND(0.19 J)	ND(0.18 J)	ND(0.21 J)	ND(0.23 J)	NA	NA	ND(0.96 J)	ND(0.20)

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-85-08 0.5 - 2.5 08/22/02	RFI-85-08 6.5 - 8.5 08/22/02	RFI-86-16 0.8 - 2.8 02/27/03	RFI-86-16 7.8 - 9.8 02/27/03	RFI-86-16 9.8 - 11.8 02/27/03	RFI-86-17 1 - 3 03/12/03	RFI-86-18 1 - 3 03/12/03	RFI-94-07 2 - 4 08/21/02	RFI-94-07 4 - 6 08/21/02
Benzo(a)anthracene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Benzo(a)pyrene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Benzo(b)fluoranthene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Benzo(g,h,i)perylene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Benzo(k)fluoranthene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Biphenyl	ND(1.8 J)	ND(0.19 J)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96 J)	ND(0.20 J)
bis(2-Chloroethoxy)methane	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
bis(2-Chloroethyl)ether	ND(0.36)	ND(0.037)	ND(0.035)	ND(0.042)	ND(0.044)	NA	NA	ND(0.19)	ND(0.039)
bis(2-Ethylhexyl)phthalate	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Butyl benzylphthalate	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Caprolactam	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Carbazole	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Chrysene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Dibenz(a,h)anthracene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Dibenzofuran	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Diethyl phthalate	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Dimethyl phthalate	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Di-n-butylphthalate	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Di-n-octyl phthalate	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Fluoranthene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Fluorene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Hexachlorobenzene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Hexachlorobutadiene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Hexachlorocyclopentadiene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Hexachloroethane	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Indeno(1,2,3-cd)pyrene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Isophorone	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Methylphenols, Total	ND(3.7)	ND(0.38)	ND(0.36)	ND(0.43)	ND(0.45)	NA	NA	ND(1.9)	ND(0.40)
Naphthalene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Nitrobenzene	ND(0.72)	ND(0.075)	ND(0.072)	ND(0.084)	ND(0.089)	NA	NA	ND(0.38)	ND(0.079)
N-Nitrosodi-n-propylamine	ND(1.8 J)	ND(0.19 J)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
N-Nitrosodiphenylamine	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Pentachlorophenol	ND(7.2)	ND(0.75)	R	ND(0.84)	ND(0.89)	NA	NA	ND(3.8)	ND(0.79)
Phenanthrene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Phenol	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
Pyrene	ND(1.8)	ND(0.19)	ND(0.18)	ND(0.21)	ND(0.23)	NA	NA	ND(0.96)	ND(0.20)
PCB									
Aroclor-1016 (PCB-1016)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.047)	NA	NA	ND(0.040)	ND(0.041)
Aroclor-1221 (PCB-1221)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.047)	NA	NA	ND(0.040)	ND(0.041)
Aroclor-1232 (PCB-1232)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.047)	NA	NA	ND(0.040)	ND(0.041)
Aroclor-1242 (PCB-1242)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.047)	NA	NA	ND(0.040)	ND(0.041)
Aroclor-1248 (PCB-1248)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.047)	NA	NA	ND(0.040)	ND(0.041)
Aroclor-1254 (PCB-1254)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.047)	NA	NA	ND(0.040)	ND(0.041)
Aroclor-1260 (PCB-1260)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.047)	NA	NA	ND(0.040)	ND(0.041)
Total PCBs	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.047)	NA	NA	ND(0.040)	ND(0.041)
Inorganic									
Antimony	0.033 J	0.056 J	ND(0.15)	0.035 J	0.13 J	NA	NA	0.052 J	0.021 J
Arsenic	4.2 J	2.3 J	3.9	6.2	7.9 (RDC)	190 J (IDC,RDC)	19 J (RDC)	16 J (RDC)	4.8 J
Barium	27 J	27 J	19	86	110	NA	NA	61 J	69 J
Beryllium	0.26	0.13	0.13 J	0.56 J	0.69 J	NA	NA	0.60	0.51
Cadmium	0.17 J	0.11 J	0.13	0.12	0.13	NA	NA	0.65 J	0.10 J
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	15 J	5.3 J	7.0	23	29	NA	NA	12 J	20 J
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	3.3 J	2.0 J	3.0	12	16	NA	NA	5.1	7.9
Copper	14 J	8.0 J	6.8	18	22	NA	NA	26	14
Cyanide (total)	ND(0.20)	ND(0.20 J)	ND(0.20)	ND(0.20)	ND(1.0)	NA	NA	ND(0.20 J)	ND(0.20 J)
Lead	27 J	37 J	9.5	12	14	NA	NA	16 J	8.3 J
Manganese	370 J	150 J	150	340	410	NA	NA	1,300 J	350 J
Mercury	0.049 J	0.0084 J	ND(0.072)	ND(0.083)	0.0088 J	NA	NA	0.033 J	0.015 J
Nickel	11 J	5.1 J	7.8	32	39	NA	NA	22	20
Selenium	ND(0.064 J)	0.040 J	0.23 J	0.26	0.23	NA	NA	0.64 J	1.1
Silver	0.10 J	0.19 J	0.030 J	0.15 J	0.17 J	NA	NA	0.15 J	0.17
Thallium	0.071 J	0.057 J	0.071 J	0.27	0.28	NA	NA	0.14 J	0.18 J
Vanadium	14 J	9.6 J	12	35	42	NA	NA	52 J	31 J
Zinc	34 J	30 J	29	55	66	NA	NA	75 J	39 J

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-94-08 4 - 6 12/01/03	RFI-94-08 8 - 10 12/01/03	RFI-94-08 21 - 23 12/01/03	RFI-94-11 1.5 - 3.5 03/08/05	RFI-94-11 8 - 10 03/08/05	RFI-94-11 10.5 - 12.5 03/08/05	RFI-BG-01 0 - 2 08/29/02	RFI-BG-02 0 - 2 08/29/02	RFI-BG-03 0 - 2 08/29/02
Miscellaneous									
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids	84	90 [90]	90	88	86	87	92	90	95
VOC									
1,1,1-Trichloroethane	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
1,1,2,2-Tetrachloroethane	ND(0.082)	ND(0.076) [ND(0.076)]	ND(0.078)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
1,1,2-Trichloroethane	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
1,1-Dichloroethane	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
1,1-Dichloroethene	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
1,2,4-Trichlorobenzene	ND(0.18)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.10 J)	ND(0.10 J)	ND(0.10 J)	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.18)	ND(0.16) [ND(0.16)]	ND(0.17)	R	R	R	NA	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	ND(0.18)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
1,2-Dichlorobenzene	ND(0.082)	ND(0.076) [ND(0.076)]	ND(0.078)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
1,2-Dichloroethane	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
1,2-Dichloropropane	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
1,3-Dichlorobenzene	ND(0.082)	ND(0.076) [ND(0.076)]	ND(0.078)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
1,4-Dichlorobenzene	ND(0.082)	ND(0.076) [ND(0.076)]	ND(0.078)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
2-Butanone (Methyl Ethyl Ketone)	ND(0.35)	ND(0.32) [ND(0.33)]	ND(0.33)	ND(0.90)	ND(0.90)	ND(0.80)	NA	NA	NA
2-Hexanone	ND(0.082)	ND(0.076) [ND(0.076)]	ND(0.078)	ND(3.0 J)	ND(3.0 J)	ND(3.0 J)	NA	NA	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND(1.8)	ND(1.6) [ND(1.6)]	ND(1.7)	ND(3.0)	ND(3.0)	ND(3.0)	NA	NA	NA
Acetone	ND(0.35)	ND(0.32) [ND(0.33)]	ND(0.33)	ND(0.90 J)	ND(0.90 J)	ND(0.80 J)	NA	NA	NA
Benzene	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
Bromodichloromethane	ND(0.082)	ND(0.076) [ND(0.076)]	ND(0.078)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
Bromoform	ND(0.082)	ND(0.076) [ND(0.076)]	ND(0.078)	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)	NA	NA	NA
Bromomethane (Methyl Bromide)	ND(0.18)	ND(0.16) [ND(0.16)]	ND(0.17)	R	R	R	NA	NA	NA
Carbon disulfide	ND(0.18)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Carbon tetrachloride	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
Chlorobenzene	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
Chloroethane	ND(0.18)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Chloroform (Trichloromethane)	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
Chloromethane (Methyl Chloride)	ND(0.18 J)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
cis-1,2-Dichloroethene	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
cis-1,3-Dichloropropene	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
Cyclohexane	ND(0.18)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)	NA	NA	NA
Dibromochloromethane	ND(0.082)	ND(0.076) [ND(0.076)]	ND(0.078)	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	ND(0.082 J)	ND(0.076) [ND(0.076)]	ND(0.078)	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)	NA	NA	NA
Ethylbenzene	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
Isopropylbenzene	ND(0.18)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
m&p-Xylene	ND(0.082)	ND(0.076) [ND(0.076)]	ND(0.078)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
Methyl acetate	ND(0.18)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(3.0)	ND(3.0)	ND(3.0)	NA	NA	NA
Methyl cyclohexane	ND(0.18)	ND(0.16) [ND(0.16)]	ND(0.17)	0.0090 J	ND(0.060)	ND(0.060)	NA	NA	NA
Methyl Tert Butyl Ether	ND(0.18)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Methylene chloride	ND(0.18 J)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
o-Xylene	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
Styrene	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
Tetrachloroethene	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
Toluene	0.098	ND(0.076) [ND(0.076)]	ND(0.078)	ND(0.060)	ND(0.060)	0.020 J	NA	NA	NA
trans-1,2-Dichloroethene	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
trans-1,3-Dichloropropene	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.060 J)	ND(0.060 J)	ND(0.060 J)	NA	NA	NA
Trichloroethene	ND(0.041)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
Trichlorofluoromethane (CFC-11)	ND(0.082 J)	ND(0.076) [ND(0.076)]	ND(0.078)	ND(0.10)	ND(0.10)	ND(0.10)	NA	NA	NA
Trifluorotrchloroethane (Freon 113)	ND(0.18)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.10)	ND(0.10)	ND(0.10)	NA	NA	NA
Vinyl chloride	ND(0.082)	ND(0.076) [ND(0.076)]	ND(0.078)	ND(0.10)	ND(0.10)	ND(0.10)	NA	NA	NA
Xylenes (total)	ND(0.082)	ND(0.076) [ND(0.076)]	ND(0.078)	ND(0.060)	ND(0.060)	ND(0.060)	NA	NA	NA
SVOC									
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
2,4,5-Trichlorophenol	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
2,4,6-Trichlorophenol	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
2,4-Dichlorophenol	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
2,4-Dimethylphenol	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
2,4-Dinitrophenol	ND(0.80)	ND(0.75) [ND(0.74)]	ND(0.75)	ND(0.70 J)	ND(0.70 J)	ND(0.70 J)	NA	NA	NA
2,4-Dinitrotoluene	ND(0.80)	ND(0.75) [ND(0.74)]	ND(0.75)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
2,6-Dinitrotoluene	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
2-Chloronaphthalene	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
2-Chlorophenol	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
2-Methylnaphthalene	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	0.010 J	NA	NA	NA
2-Methylphenol	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
2-Nitroaniline	ND(0.80)	ND(0.75) [ND(0.74)]	ND(0.75)	ND(0.70)	ND(0.70)	ND(0.70)	NA	NA	NA
2-Nitrophenol	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
3&4-Methylphenol	ND(0.40 J)	ND(0.38 J) [ND(0.37 J)]	ND(0.38 J)	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	ND(0.80)	ND(0.75) [ND(0.74)]	ND(0.75)	ND(0.70)	ND(0.70)	ND(0.70)	NA	NA	NA
3-Methylphenol	NA	NA	NA	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
3-Nitroaniline	ND(0.80)	ND(0.75) [ND(0.74)]	ND(0.75)	ND(0.70)	ND(0.70)	ND(0.70)	NA	NA	NA
4,6-Dinitro-2-methylpheno	ND(0.80)	ND(0.75) [ND(0.74)]	ND(0.75)	ND(0.70 J)	ND(0.70 J)	ND(0.70 J)	NA	NA	NA
4-Bromophenyl phenyl ether	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
4-Chloro-3-methylpheno	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
4-Chloroaniline	ND(0.80)	ND(0.75) [ND(0.74)]	ND(0.75)	ND(0.70)	ND(0.70)	ND(0.70)	NA	NA	NA
4-Chlorophenyl phenyl ether	ND(0.80)	ND(0.75) [ND(0.74)]	ND(0.75)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
4-Nitroaniline	ND(0.80)	ND(0.75) [ND(0.74)]	ND(0.75)	ND(0.70)	ND(0.70)	ND(0.70)	NA	NA	NA
4-Nitrophenol	ND(0.80)	ND(0.75) [ND(0.74)]	ND(0.75)	ND(0.70)	ND(0.70)	ND(0.70)	NA	NA	NA
Acenaphthene	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Acenaphthylene	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Acetophenone	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Anthracene	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Atrazine	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Benzaldehyde	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-94-08 4 - 6 12/01/03	RFI-94-08 8 - 10 12/01/03	RFI-94-08 21 - 23 12/01/03	RFI-94-11 1.5 - 3.5 03/08/05	RFI-94-11 8 - 10 03/08/05	RFI-94-11 10.5 - 12.5 03/08/05	RFI-BG-01 0 - 2 08/29/02	RFI-BG-02 0 - 2 08/29/02	RFI-BG-03 0 - 2 08/29/02
Benzo(a)anthracene	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Benzo(a)pyrene	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Benzo(b)fluoranthene	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Benzo(g,h,i)perylene	ND(0.20 J)	ND(0.19 J) [ND(0.19 J)]	ND(0.19 J)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Benzo(k)fluoranthene	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Biphenyl	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
bis(2-Chloroethoxy)methane	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
bis(2-Chloroethyl)ether	ND(0.039)	ND(0.037) [ND(0.036)]	ND(0.037)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Butyl benzylphthalate	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Caprolactam	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Carbazole	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Chrysene	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Dibenz(a,h)anthracene	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Dibenzofuran	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Diethyl phthalate	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Dimethyl phthalate	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Di-n-butylphthalate	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Di-n-octyl phthalate	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Fluoranthene	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Fluorene	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Hexachlorobenzene	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Hexachlorobutadiene	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Hexachlorocyclopentadiene	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Hexachloroethane	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Isophorone	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Methylphenols, Total	ND(0.40)	ND(0.38) [ND(0.37)]	ND(0.38)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Naphthalene	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Nitrobenzene	ND(0.080)	ND(0.075) [ND(0.074)]	ND(0.075)	ND(0.20)	ND(0.20)	ND(0.20)	NA	NA	NA
N-Nitrosodi-n-propylamine	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
N-Nitrosodiphenylamine	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Pentachlorophenol	ND(0.80)	ND(0.75) [ND(0.74)]	ND(0.75)	ND(0.70)	ND(0.70)	ND(0.70)	NA	NA	NA
Phenanthrene	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	0.030 J	ND(0.30)	0.020 J	NA	NA	NA
Phenol	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
Pyrene	ND(0.20)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.30)	ND(0.30)	ND(0.30)	NA	NA	NA
PCB									
Aroclor-1016 (PCB-1016)	ND(0.041)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.33)	ND(0.33)	ND(0.33)	NA	NA	NA
Aroclor-1221 (PCB-1221)	ND(0.041)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.33)	ND(0.33)	ND(0.33)	NA	NA	NA
Aroclor-1232 (PCB-1232)	ND(0.041)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.33)	ND(0.33)	ND(0.33)	NA	NA	NA
Aroclor-1242 (PCB-1242)	ND(0.041)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.33)	ND(0.33)	ND(0.33)	NA	NA	NA
Aroclor-1248 (PCB-1248)	ND(0.041)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.33)	ND(0.33)	ND(0.33)	NA	NA	NA
Aroclor-1254 (PCB-1254)	ND(0.041)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.33)	ND(0.33)	ND(0.33)	NA	NA	NA
Aroclor-1260 (PCB-1260)	ND(0.041)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.33)	ND(0.33)	ND(0.33)	NA	NA	NA
Total PCBs	ND(0.041)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.33)	ND(0.33)	ND(0.33)	NA	NA	NA
Inorganic									
Antimony	ND(0.17)	ND(0.15) [ND(3.5)]	ND(0.17)	ND(0.50)	ND(0.50)	ND(0.50)	0.028 J	R	0.010 J
Arsenic	4.3	5.3 [6.3]	2.2	1.3 J	3.3 J	4.7 J	7.2 J	10 J (RDC)	6.3 J
Barium	63	70 [44]	22 J	39 J	47 J	16 J	78 J	110 J	49 J
Beryllium	0.54	0.42 [ND(1.4)]	0.16	0.24	0.23	0.17	0.43	0.67	0.34
Cadmium	0.20	ND(0.090) [ND(0.35)]	ND(0.088)	0.21	0.20	0.21	0.33 J	0.39 J	0.27 J
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium Total	19	13 [13]	8.0	4.5	6.2	4.1	17 J	22 J	14 J
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	3.9	7.7 [4.9]	3.0	3.4	6.6	3.6	6.7 J	10 J	5.7 J
Copper	29	9.0 [10]	5.8	7.5	11	8.8	18 J	16 J	14 J
Cyanide (total)	NA	NA	NA	ND(0.10)	ND(0.10)	ND(0.10)	NA	NA	NA
Lead	62	6.0 [ND(7.0)]	3.1	80	7.0	5.5	48 J	30 J	32 J
Manganese	380	460 [310]	150	300	420	290	410	610	360
Mercury	ND(0.083)	ND(0.077) [ND(0.076)]	ND(0.069)	ND(0.050)	ND(0.050)	ND(0.050)	0.029 J	0.041 J	0.019 J
Nickel	13	19 [14]	8.6	4.8	14	8.0	15 J	22 J	14 J
Selenium	ND(1.0)	ND(0.93) [ND(8.4)]	ND(0.42)	0.26	0.44	0.62	ND(0.064)	0.16 J	0.038 J
Silver	ND(0.17)	ND(0.15) [ND(3.5)]	ND(0.17)	ND(0.20)	ND(0.20)	ND(0.20)	0.11 J	0.098 J	0.056 J
Thallium	ND(0.17)	ND(0.15) [ND(3.5)]	ND(0.17)	0.14	ND(0.10)	ND(0.10)	0.19 J	0.28 J	0.14 J
Vanadium	19	20 [18]	12	5.4	10	6.7	24 J	36 J	25 J
Zinc	44	33 [ND(56)]	19	13 J	18 J	16 J	84 J	75 J	66 J

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-BG-04 0 - 2 08/29/02	RFI-BG-05 0 - 2 08/29/02	RFI-BG-06 0 - 2 08/29/02	RFI-BG-07 0 - 2 08/29/02	RFI-BG-08 0 - 2 08/29/02	RFI-BG-09 0 - 2 08/29/02	RFI-BG-10 0 - 2 08/29/02
Miscellaneous							
Total Petroleum Hydrocarbons	NA	NA	NA	NA	NA	NA	NA
Total Solids	90	97	93 [91]	89	92	89	94
VOC							
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane (DBCP)	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA
2-Butanone (Methyl Ethyl Ketone)	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA	NA	NA
Benzene	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA
Bromoform	NA	NA	NA	NA	NA	NA	NA
Bromomethane (Methyl Bromide)	NA	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	NA	NA	NA	NA
Chloroethane	NA	NA	NA	NA	NA	NA	NA
Chloroform (Trichloromethane)	NA	NA	NA	NA	NA	NA	NA
Chloromethane (Methyl Chloride)	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA
m&p-Xylene	NA	NA	NA	NA	NA	NA	NA
Methyl acetate	NA	NA	NA	NA	NA	NA	NA
Methyl cyclohexane	NA	NA	NA	NA	NA	NA	NA
Methyl Tert Butyl Ether	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	NA	NA	NA	NA	NA	NA	NA
o-Xylene	NA	NA	NA	NA	NA	NA	NA
Styrene	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	NA	NA	NA	NA	NA	NA	NA
Toluene	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (CFC-11)	NA	NA	NA	NA	NA	NA	NA
Trifluorotrchloroethane (Freon 113)	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	NA	NA	NA	NA	NA	NA	NA
SVOC							
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylpheno	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	NA	NA	NA	NA
3&4-Methylphenol	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	NA	NA
3-Methylphenol	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylpheno	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylpheno	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	NA	NA	NA	NA	NA	NA	NA
Acetophenone	NA	NA	NA	NA	NA	NA	NA
Anthracene	NA	NA	NA	NA	NA	NA	NA
Atrazine	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	NA	NA	NA	NA	NA	NA	NA

TABLE B-1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(in mg/kg)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Sample ID: Sample Depth(ft BGS): Date Collected:	RFI-BG-04 0 - 2 08/29/02	RFI-BG-05 0 - 2 08/29/02	RFI-BG-06 0 - 2 08/29/02	RFI-BG-07 0 - 2 08/29/02	RFI-BG-08 0 - 2 08/29/02	RFI-BG-09 0 - 2 08/29/02	RFI-BG-10 0 - 2 08/29/02
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	NA	NA
Biphenyl	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA	NA	NA	NA
Butyl benzylphthalate	NA	NA	NA	NA	NA	NA	NA
Caprolactam	NA	NA	NA	NA	NA	NA	NA
Carbazole	NA	NA	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA
Diethyl phthalate	NA	NA	NA	NA	NA	NA	NA
Dimethyl phthalate	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	NA	NA	NA	NA	NA	NA	NA
Fluorene	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA	NA	NA	NA
Methylphenols, Total	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	NA	NA	NA	NA
Phenol	NA	NA	NA	NA	NA	NA	NA
Pyrene	NA	NA	NA	NA	NA	NA	NA
PCB							
Aroclor-1016 (PCB-1016)	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221 (PCB-1221)	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232 (PCB-1232)	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242 (PCB-1242)	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248 (PCB-1248)	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254 (PCB-1254)	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260 (PCB-1260)	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA	NA
Inorganic							
Antimony	R	0.038 J	0.084 J [0.030 J]	0.11 J	0.027 J	0.013 J	0.042 J
Arsenic	8.7 J (RDC)	6.8 J	6.8 J [6.2 J]	9.9 J (RDC)	8.5 J (RDC)	6.5 J	5.5 J
Barium	98 J	26 J	32 J [57 J]	140 J	80 J	60 J	150 J
Beryllium	0.59	0.22	0.19 [0.34]	0.72	0.42	0.47	0.89
Cadmium	0.40 J	0.38 J	0.23 J [0.37 J]	0.97 J	0.34 J	0.33 J	1.1
Chromium III (Trivalent)	NA	NA	NA	NA	NA	NA	NA
Chromium Total	19 J	14 J	43 J [31 J]	35 J	16 J	16 J	47 J
Chromium VI (Hexavalent)	NA	NA	NA	NA	NA	NA	NA
Cobalt	9.0 J	4.7 J	3.2 J [4.3 J]	6.3 J	6.7 J	6.4 J	3.8 J
Copper	15 J	19 J	25 J [34 J]	47 J	13 J	17 J	29 J
Cyanide (total)	NA	NA	NA	NA	NA	NA	NA
Lead	38 J	84 J	50 J [65 J]	150 J	30 J	45 J	190 J
Manganese	510	360	410 [270]	610	500	380	2,100 (IPSC)
Mercury	0.034 J	0.0058 J	0.013 J [0.033 J]	0.094	0.056 J	0.076	0.027 J
Nickel	18 J	14 J	21 J [20 J]	20 J	14 J	19 J	17 J
Selenium	0.21 J	0.13 J	0.42 J [0.18 J]	0.31 J	0.039 J	0.051 J	0.12 J
Silver	0.079 J	0.055 J	0.097 J [0.20 J]	0.23 J	0.094 J	0.086 J	0.26 J
Thallium	0.25 J	0.13 J	0.12 J [0.13 J]	0.25 J	0.15 J	0.16 J	0.10 J
Vanadium	31 J	14 J	8.6 J [13 J]	23 J	24 J	22 J	14 J
Zinc	77 J	73 J	44 J [85 J]	200 J	85 J	87 J	720 J

TABLE B-2
MDEQ PART 201 SOIL CRITERIA
 (for constituents in the Project Analyte List)
 (concentrations presented in milligrams per kilogram)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Hazardous Substance	Chemical Abstract Service Number	Direct Contact		Indoor Air		Ambient Air {Y}			
		Residential Direct Contact Criteria (RDC)	Industrial and Commercial II Direct Contact (IDC)	Residential Soil Volatilization to Indoor Air Inhalation Criteria (RSVIA)	Industrial Soil Volatilization to Indoor Air Inhalation Criteria (ISVIA)	Residential Infinite Source Volatile Soil Inhalation Criteria (RISVSIC)	Industrial Infinite Source Volatile Soil Inhalation Criteria (IISVSIC)	Residential Particulate Soil Inhalation Criteria (RPSIC)	Industrial Particulate Soil Inhalation Criteria (IPSIC)
VOC									
1,1,1-Trichloroethane	71556	460 {C}	460 {C}	250	460	3,800	4,500	67,000,000	29,000,000
1,1,2,2-Tetrachloroethane	79345	53	240	4.3	23	10	34	54,000	68,000
1,1,2-Trichloroethane	79005	180	840	4.6	24	17	57	190,000	250,000
1,1-Dichloroethane	75343	890 {C}	890 {C}	230	430	2,100	2,500	33,000,000	15,000,000
1,1-Dichloroethene	75354	200 {I}	570 {I,C}	0.062 {I}	0.33 {I}	1.1 {I}	3.7 {I}	62,000 {I}	78,000 {I}
1,2,4-Trichlorobenzene	120821	990 {DD}	1,100 {C,DD}	1,100 {C}	1,100 {C}	28,000	34,000	25,000,000	11,000,000
1,2-Dibromo-3-chloropropane (DBCP)	96128	1.2 {C}	1.2 {C}	1.2 {C}	1.2 {C}	13	15	13,000	5,900
1,2-Dibromoethane (Ethylene Dibromide)	106934	0.092	0.43	0.67	3.6	1.7	5.8	14,000	18,000
1,2-Dichlorobenzene	95501	210 {C}	210 {C}	210 {C}	210 {C}	39,000	46,000	100,000,000	44,000,000
1,2-Dichloroethane	107062	91 {I}	420 {I}	2.1 {I}	11 {I}	6.2 {I}	21 {I}	120,000 {I}	150,000 {I}
1,2-Dichloropropane	78875	140 {I}	550 {I,C}	4 {I}	7.4 {I}	25 {I}	30 {I}	270,000 {I}	120,000 {I}
1,3-Dichlorobenzene	541731	170 {C}	170 {C}	{ID}	{ID}	{ID}	{ID}	{ID}	{ID}
1,4-Dichlorobenzene	106467	400	1,900	19	100	77	260	450,000	570,000
2-Butanone (Methyl Ethyl Ketone)	78933	27,000 {I,C,DD}	27,000 {I,C,DD}	27,000 {C}	27,000 {C}	29,000 {I}	35,000 {I}	67,000,000 {I}	29,000,000 {I}
2-Hexanone	591786	2,500 {C}	2,500 {C}	990	1,800	1,100	1,300	2,700,000	1,200,000
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	108101	2,700 {I,C}	2,700 {I,C}	2,700 {C}	2,700 {I,C}	45,000 {I}	53,000 {I}	140,000,000 {I}	60,000,000 {I}
Acetone	67641	23,000 {I}	73,000 {I}	110,000 {I,C}	110,000 {I,C}	130,000 {I}	160,000 {I}	390,000,000 {I}	170,000,000 {I}
Benzene	71432	180 {I}	400 {I,C}	1.6 {I}	8.4 {I}	13 {I}	45 {I}	380,000 {I}	470,000 {I}
Bromodichloromethane	75274	110	490	1.2	6.4	9.1	31	84,000	110,000
Bromoform	75252	820	870 {C}	150	770	900	3,100	2,800,000	3,600,000
Bromomethane (Methyl Bromide)	74839	320	1,000	0.86	1.6	11	13	330,000	150,000
Carbon disulfide	75150	280 {I,R,C,DD}	280 {I,R,C,DD}	76 {I,R}	140 {I,R}	1,300 {I,R}	1,600 {I,R}	47,000,000 {I,R}	21,000,000 {I,R}
Carbon tetrachloride	56235	96	390 {C}	0.19	0.99	3.5	12	130,000	170,000
Chlorobenzene	108907	260 {I,C}	260 {I,C}	120 {I}	220 {I}	770 {I}	920 {I}	4,700,000 {I}	2,100,000 {I}
Chloroethane	75003	950 {C}	950 {C}	950 {C}	950 {C}	30,000	36,000	670,000,000	290,000,000
Chloroform (Trichloromethane)	67663	1,200	1,500 {C}	7.2	38	45	150	1,300,000	1,600,000
Chloromethane (Methyl Chloride)	74873	1,100 {I,C}	1,100 {I,C}	2.3 {I}	10 {I}	40 {I}	120 {I}	4,900,000 {I}	2,600,000 {I}
cis-1,2-Dichloroethene	156592	640 {C}	640 {C}	22	41	180	210	2,300,000	1,000,000
cis-1,3-Dichloropropene	10061015	--	--	--	--	--	--	--	--
Cyclohexane	110827	--	--	--	--	--	--	--	--
Dibromochloromethane	124481	110	500	3.9	21	24	80	130,000	160,000
Dichlorodifluoromethane (CFC-12)	75718	1,000 {C}	1,000 {C}	900	1,700	53,000	63,000	3,300,000,000	1,500,000,000
Ethylbenzene	100414	140 {I,C}	140 {I,C}	87 {I}	140 {I,C}	720 {I}	2,400 {I}	10,000,000 {I}	13,000,000 {I}
Isopropylbenzene	98828	390 {C}	390 {C}	390 {C}	390 {C}	1,700	2,000	5,800,000	2,600,000
Methyl acetate	79209	--	--	--	--	--	--	--	--
Methyl cyclohexane	108872	--	--	--	--	--	--	--	--
Methyl Tert Butyl Ether	1634044	1,500	5,900 {C}	5,900 {C}	5,900 {C}	25,000	30,000	200,000,000	88,000,000
Methylene chloride	75092	1,300	2,300 {C}	45	240	210	700	6,600,000	8,300,000
o-Xylene	95476	--	--	--	--	--	--	--	--

TABLE B-2
MDEQ PART 201 SOIL CRITERIA
 (for constituents in the Project Analyte List)
 (concentrations presented in milligrams per kilogram)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Hazardous Substance	Chemical Abstract Service Number	Direct Contact		Indoor Air		Ambient Air {Y}			
		Residential Direct Contact Criteria (RDC)	Industrial and Commercial II Direct Contact (IDC)	Residential Soil Volatilization to Indoor Air Inhalation Criteria (RSVIA)	Industrial Soil Volatilization to Indoor Air Inhalation Criteria (ISVIA)	Residential Infinite Source Volatile Soil Inhalation Criteria (RISVSIC)	Industrial Infinite Source Volatile Soil Inhalation Criteria (IISVSIC)	Residential Particulate Soil Inhalation Criteria (RPSIC)	Industrial Particulate Soil Inhalation Criteria (IPSIC)
Styrene	100425	400	520 {C}	250	520 {C}	970	3,300	5,500,000	6,900,000
Tetrachloroethene	127184	88 {C}	88 {C}	11	60	180	600	5,400,000	6,800,000
Toluene	108883	250 {I,C}	250 {I,C}	250 {I,C}	250 {I,C}	2,800 {I}	3,300 {I}	27,000,000 {I}	12,000,000 {I}
trans-1,2-Dichloroethene	156605	1,400 {C}	1,400 {C}	23	43	280	330	4,700,000	2,100,000
trans-1,3-Dichloropropene	10061026	--	--	--	--	--	--	--	--
Trichloroethene	79016	500 {C,DD}	500 {C,DD}	7.1	37	78	260	1,800,000	2,300,000
Trichlorofluoromethane (CFC-11)	75694	560 {C}	560 {C}	560 {C}	560 {C}	92,000	110,000	3,800,000,000	1,700,000,000
Trifluorotrichloroethane (Freon 113)	76131	550 {C}	550 {C}	550 {C}	550 {C}	180,000	210,000	5,100,000,000	2,300,000,000
Vinyl chloride	75014	3.8	34	0.27	2.8	4.2	29	350,000	890,000
Xylenes (total)	1330207	150 {I,C}	150 {I,C}	150 {I,C}	150 {I,C}	46,000 {I}	54,000 {I}	290,000,000 {I}	130,000,000 {I}
SVOC									
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	108601	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	95954	23,000	73,000	{NLV}	{NLV}	{NLV}	{NLV}	23,000,000	10,000,000
2,4,6-Trichlorophenol	88062	710	3,300	{NLV}	{NLV}	{NLV}	{NLV}	1,000,000	1,300,000
2,4-Dichlorophenol	120832	660 {DD}	1,800 {C,DD}	{NLV}	{NLV}	{NLV}	{NLV}	5,100,000	2,300,000
2,4-Dimethylphenol	105679	11,000	36,000	{NLV}	{NLV}	{NLV}	{NLV}	4,700,000	2,100,000
2,4-Dinitrophenol	51285	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	121142	48	220	{NLV}	{NLV}	{NLV}	{NLV}	16,000	20,000
2,6-Dinitrotoluene	606202	--	--	--	--	--	--	--	--
2-Chloronaphthalene	91587	56,000	180,000	{ID}	{ID}	{ID}	{ID}	{ID}	{ID}
2-Chlorophenol	95578	1,400	4,500	{ID}	{ID}	{ID}	{ID}	{ID}	{ID}
2-Methylnaphthalene	91576	8,100	26,000	{ID}	{ID}	{ID}	{ID}	{ID}	{ID}
2-Methylphenol	95487	--	--	--	--	--	--	--	--
2-Nitroaniline	88744	--	--	--	--	--	--	--	--
2-Nitrophenol	88755	630	2,000	{NLV}	{NLV}	{NLV}	{NLV}	{ID}	{ID}
3,3'-Dichlorobenzidine	91941	6.6	30	{NLV}	{NLV}	{NLV}	{NLV}	6,500	8,200
3-Methylphenol	108394	--	--	--	--	--	--	--	--
3-Nitroaniline	99092	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	534521	79	260	{NLV}	{NLV}	{NLV}	{NLV}	{ID}	{ID}
4-Bromophenyl phenyl ether	101553	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	59507	4,500	15,000	{NLV}	{NLV}	{NLV}	{NLV}	{ID}	{ID}
4-Chloroaniline	106478	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	7005723	--	--	--	--	--	--	--	--
4-Nitroaniline	100016	--	--	--	--	--	--	--	--
4-Nitrophenol	100027	--	--	--	--	--	--	--	--
Acenaphthene	83329	41,000	130,000	190,000	350,000	81,000	97,000	14,000,000	6,200,000
Acenaphthylene	208968	1,600	5,200	1,600	3,000	2,200	2,700	2,300,000	1,000,000
Acetophenone	98862	1,100 {C}	1,100 {C}	1,100 {C}	1,100 {C}	44,000	52,000	33,000,000	14,000,000
Anthracene	120127	230,000	730,000	1,000,000 {D}	1,000,000 {D}	1,400,000	1,600,000	67,000,000	29,000,000
Atrazine	1912249	71 {DD}	330 {DD}	{NLV}	{NLV}	{NLV}	{NLV}	{ID}	{ID}

TABLE B-2
MDEQ PART 201 SOIL CRITERIA
 (for constituents in the Project Analyte List)
 (concentrations presented in milligrams per kilogram)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Hazardous Substance	Chemical Abstract Service Number	Direct Contact		Indoor Air		Ambient Air {Y}			
		Residential Direct Contact Criteria (RDC)	Industrial and Commercial II Direct Contact (IDC)	Residential Soil Volatilization to Indoor Air Inhalation Criteria (RSVIA)	Industrial Soil Volatilization to Indoor Air Inhalation Criteria (ISVIA)	Residential Infinite Source Volatile Soil Inhalation Criteria (RISVSIC)	Industrial Infinite Source Volatile Soil Inhalation Criteria (IISVSIC)	Residential Particulate Soil Inhalation Criteria (RPSIC)	Industrial Particulate Soil Inhalation Criteria (IPSIC)
Benzaldehyde	100527	--	--	--	--	--	--	--	--
Benzo(a)anthracene	56553	20 {Q}	80 {Q}	{NLV}	{NLV}	{NLV}	{NLV}	{ID}	{ID}
Benzo(a)pyrene	50328	2 {Q}	8 {Q}	{NLV}	{NLV}	{NLV}	{NLV}	1,500 {Q}	1,900 {Q}
Benzo(b)fluoranthene	205992	20 {Q}	80 {Q}	{ID}	{ID}	{ID}	{ID}	{ID}	{ID}
Benzo(g,h,i)perylene	191242	2,500	7,000	{NLV}	{NLV}	{NLV}	{NLV}	800,000	350,000
Benzo(k)fluoranthene	207089	200 {Q}	800 {Q}	{NLV}	{NLV}	{NLV}	{NLV}	{ID}	{ID}
Biphenyl	92524	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	111911	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	111444	13 {I}	58 {I}	8.3 {I}	44 {I}	3.8 {I}	13 {I}	9,400 {I}	12,000 {I}
bis(2-Ethylhexyl)phthalate	117817	2,800	10,000 {C}	{NLV}	{NLV}	{NLV}	{NLV}	700,000	890,000
Butyl benzylphthalate	85687	310 {C}	310 {C}	{NLV}	{NLV}	{NLV}	{NLV}	47,000,000	21,000,000
Caprolactam	105602	53,000 {DD}	310,000 {I,DD}	{NLV}	{NLV}	{NLV}	{NLV}	670,000	290,000
Carbazole	86748	530	2,400	{NLV}	{NLV}	{NLV}	{NLV}	{ID}	{ID}
Chrysene	218019	2,000 {Q}	8,000 {Q}	{ID}	{ID}	{ID}	{ID}	{ID}	{ID}
Dibenz(a,h)anthracene	53703	2 {Q}	8 {Q}	{NLV}	{NLV}	{NLV}	{NLV}	{ID}	{ID}
Dibenzofuran	132649	{ID}	{ID}	{ID}	{ID}	{ID}	{ID}	{ID}	{ID}
Diethyl phthalate	84662	740 {C}	740 {C}	{NLV}	{NLV}	{NLV}	{NLV}	3,300,000	1,500,000
Dimethyl phthalate	131113	790 {C}	790 {C}	{NLV}	{NLV}	{NLV}	{NLV}	3,300,000	1,500,000
Di-n-butylphthalate	84742	760 {C}	760 {C}	{NLV}	{NLV}	{NLV}	{NLV}	3,300,000	1,500,000
Di-n-octyl phthalate	117840	6,900	20,000	{NLV}	{NLV}	{NLV}	{NLV}	{ID}	{ID}
Fluoranthene	206440	46,000	130,000	1,000,000 {D}	1,000,000 {D}	740,000	890,000	9,300,000	4,100,000
Fluorene	86737	27,000	87,000	580,000	1,000,000 {D}	130,000	150,000	9,300,000	4,100,000
Hexachlorobenzene	118741	8.9	37	41	220	17	56	6,800	8,500
Hexachlorobutadiene	87683	100	350 {C}	130	350 {C}	130	460	140,000	180,000
Hexachlorocyclopentadiene	77474	720 {C}	720 {C}	30	56	50	60	13,000	5,900
Hexachloroethane	67721	230	730	40	79	550	660	230,000	100,000
Indeno(1,2,3-cd)pyrene	193395	20 {Q}	80 {Q}	{NLV}	{NLV}	{NLV}	{NLV}	{ID}	{ID}
Isophorone	78591	2,400 {C}	2,400 {C}	{NLV}	{NLV}	{NLV}	{NLV}	12,000,000	8,200,000
Methylphenols, Total	1319773	11,000 {J}	36,000 {J}	{NLV}	{NLV}	{NLV}	{NLV}	6,700,000 {J}	2,900,000 {J}
Naphthalene	91203	16,000	52,000	250	470	300	350	200,000	88,000
Nitrobenzene	98953	100 {I}	340 {I}	91 {I}	170 {I}	54 {I}	64 {I}	47,000 {I}	21,000 {I}
N-Nitrosodi-n-propylamine	621647	1.2	5.4	{NLV}	{NLV}	{NLV}	{NLV}	1,600	2,000
N-Nitrosodiphenylamine	86306	1,700	7,800	{NLV}	{NLV}	{NLV}	{NLV}	{ID}	{ID}
Pentachlorophenol	87865	90	320	{NLV}	{NLV}	{NLV}	{NLV}	100,000	130,000
Phenanthrene	85018	1,600	5,200	2,800	5,100	160	190	6,700	2,900
Phenol	108952	12,000 {C,DD}	12,000 {C,DD}	{NLV}	{NLV}	{NLV}	{NLV}	40,000,000	18,000,000
Pyrene	129000	29,000	84,000	1,000,000 {D}	1,000,000 {D}	650,000	780,000	6,700,000	2,900,000
PCB									
Aroclor-1016 (PCB-1016)	12674112	--	--	--	--	--	--	--	--
Aroclor-1221 (PCB-1221)	11104282	--	--	--	--	--	--	--	--

TABLE B-2
MDEQ PART 201 SOIL CRITERIA
 (for constituents in the Project Analyte List)
 (concentrations presented in milligrams per kilogram)

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN

Hazardous Substance	Chemical Abstract Service Number	Direct Contact		Indoor Air		Ambient Air {Y}			
		Residential Direct Contact Criteria (RDC)	Industrial and Commercial II Direct Contact (IDC)	Residential Soil Volatilization to Indoor Air Inhalation Criteria (RSVIA)	Industrial Soil Volatilization to Indoor Air Inhalation Criteria (ISVIA)	Residential Infinite Source Volatile Soil Inhalation Criteria (RISVSIC)	Industrial Infinite Source Volatile Soil Inhalation Criteria (IISVSIC)	Residential Particulate Soil Inhalation Criteria (RPSIC)	Industrial Particulate Soil Inhalation Criteria (IPSIC)
Aroclor-1232 (PCB-1232)	11141165	--	--	--	--	--	--	--	--
Aroclor-1242 (PCB-1242)	53469219	--	--	--	--	--	--	--	--
Aroclor-1248 (PCB-1248)	12672296	--	--	--	--	--	--	--	--
Aroclor-1254 (PCB-1254)	11097691	--	--	--	--	--	--	--	--
Aroclor-1260 (PCB-1260)	11096825	--	--	--	--	--	--	--	--
Total PCBs	1336363T	4 {J,T}	16 {J,T}	3,000 {J,T}	16,000 {J,T}	240 {J,T}	810 {J,T}	5,200 {J,T}	6,500 {J,T}
Inorganic									
Antimony	7440360	180	670	{NLV}	{NLV}	{NLV}	{NLV}	13,000	5,900
Arsenic	7440382	7.6	37	{NLV}	{NLV}	{NLV}	{NLV}	720	910
Barium	7440393	37,000 {B}	130,000 {B}	{NLV}	{NLV}	{NLV}	{NLV}	330,000 {B}	150,000 {B}
Beryllium	7440417	410	1,600	{NLV}	{NLV}	{NLV}	{NLV}	1,300	590
Cadmium	7440439	550 {B}	2,100 {B}	{NLV}	{NLV}	{NLV}	{NLV}	1,700 {B}	2,200 {B}
Chromium III (Trivalent)	16065831	790,000 {B,H}	1,000,000 {B,H,D}	{NLV}	{NLV}	{NLV}	{NLV}	330,000 {B,H}	150,000 {B,H}
Chromium Total	7440473	2,500	9,200	{NLV}	{NLV}	{NLV}	{NLV}	260	240
Chromium VI (Hexavalent)	18540299	2,500	9,200	{NLV}	{NLV}	{NLV}	{NLV}	260	240
Cobalt	7440484	2,600	9,000	{NLV}	{NLV}	{NLV}	{NLV}	13,000	5,900
Copper	7440508	20,000 {B}	73,000 {B}	{NLV}	{NLV}	{NLV}	{NLV}	130,000 {B}	59,000 {B}
Cyanide (total)	57125	12 {P,R}	250 {P,R}	{NLV}	{NLV}	{NLV}	{NLV}	250 {P,R}	250 {P,R}
Lead	7439921	400 {B}	900 {B,DD}	{NLV}	{NLV}	{NLV}	{NLV}	100,000 {B}	44,000 {B}
Manganese	7439965	25,000 {B}	90,000 {B}	{NLV}	{NLV}	{NLV}	{NLV}	3,300 {B}	1,500 {B}
Mercury	7439976	160 {B,Z}	580 {B,Z}	48 {B,Z}	89 {B,Z}	52 {B,Z}	62 {B,Z}	20,000 {B,Z}	8,800 {B,Z}
Nickel	7440020	40,000 {B}	150,000 {B}	{NLV}	{NLV}	{NLV}	{NLV}	13,000 {B}	16,000 {B}
Selenium	7782492	2,600 {B}	9,600 {B}	{NLV}	{NLV}	{NLV}	{NLV}	130,000 {B}	59,000 {B}
Silver	7440224	2,500 {B}	9,000 {B}	{NLV}	{NLV}	{NLV}	{NLV}	6,700 {B}	2,900 {B}
Thallium	7440280	35 {B}	130 {B}	{NLV}	{NLV}	{NLV}	{NLV}	{ID}	{ID}
Vanadium	7440622	750 {DD}	5,500 {DD}	{NLV}	{NLV}	{NLV}	{NLV}	{ID}	{ID}
Zinc	7440666	170,000 {B}	630,000 {B}	{NLV}	{NLV}	{B}	{NLV}	{ID}	{ID}

TABLE B-3
NOTES FOR SOIL ANALYTICAL DATA TABLE AND MDEQ PART 201 SOIL CRITERIA TABLE

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT MICHIGAN

General Notes:

Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. and Merit Laboratories, for analysis of Project Analyte List (PAL) volatile organic compounds, PAL semivolatile organic compounds, polychlorinated biphenyls (PCBs), and PAL inorganics.

Duplicate results are presented in brackets.

Soil concentrations are presented in milligrams per kilogram (mg/kg).

Total Methylphenols reported as the sum of 2-methylphenol and 3&4-methylphenol.

Total Xylenes reported as the sum of m&p-Xylene and o-Xylene.

Total PCBs reported as the sum of PCB aroclors.

Highlighted cells represent constituent concentrations that exceed at least one of the listed Michigan Part 201 Criteria:

For Soils:

RDC = Residential Direct Contact criteria, updated December 2004.

IDC = Industrial Direct Contact criteria, updated December 2004.

RSVIA = Residential Soil Volatilization to Indoor Air Inhalation criteria, updated December 2004.

ISVIA = Industrial Soil Volatilization to Indoor Air Inhalation criteria, updated December 2004.

RISVSIC = Residential Infinite Source Volatile Soil Inhalation criteria, updated December 2004.

IISVSIC = Industrial Infinite Source Volatile Soil Inhalation Criteria, updated December 2004.

RPSIC = Residential Particulate Soil Inhalation criteria, updated December 2004.

IPSIC = Industrial Particulate Soil Inhalation criteria, updated December 2004.

Data Qualifiers:

ND = Not detected. The value in parentheses represents the associated detection limit.

NS = Not analyzed for this constituent.

D = Concentration is based on a diluted sample analysis.

J = The compound/constituent was positively identified; however, the associated numerical value is an estimated concentration only.

E = Measured concentration exceeded the linear range of the instrument. A diluted sample analysis was run; however, the undiluted result was chosen as representative of the sample concentration.

R = Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data shall not be used for any qualitative or quantitative purposes.

MDEQ Criteria Qualifiers:

ID = *Inadequate data* to develop criterion.

NA = Criterion or value is *not available* or, as is the case for Csat, *not applicable*.

NLV = Hazardous substance is *not likely to volatilize* under most conditions.

(B) Background, as defined in R 299.5701(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.

(C) Value presented is a screening level based on the chemical-specific generic soil saturation concentration since the calculated risk-based criterion is greater than Csat. Concentrations greater than Csat are acceptable cleanup criteria for this pathway where a site-specific demonstration indicates that free-phase material containing a hazardous substance is not present.

(D) Calculated criterion exceeds 100 percent, hence it is reduced to 100 percent or 1.0E+9 parts per billion (ppb).

(F) Criterion is based on adverse impacts to plant life and phytotoxicity.

(H) Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 ug/l. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.

(I) Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001).

(J) Hazardous substance may be present in several isomer forms. Isomer-specific concentrations shall be added together for comparison to criteria.

(K) Hazardous substance may be flammable or explosive, or both.

(L) Criteria for lead are derived using a biologically based model, as allowed for under Section 20120a(10) of the NREPA, and are not calculated using the algorithms and assumptions specified in pathway-specific rules. The generic residential drinking water criterion of 4 ug/L is linked to the generic residential soil direct contact criterion of 400 mg/kg. A higher concentration in the drinking water, up to the state action level of 15 ug/L, may be allowed as a site-specific remedy and still allow for drinking water use, under Section 20120a(2) of the NREPA if soil concentrations are appropriately lower than 400 mg/kg. If a site-specific criterion is approved based on this subdivision, a notice shall be filed on the deed for all property where the groundwater concentrations will exceed 4 ug/L to provide notice of the potential for unacceptable risk if soil or groundwater concentrations increase. Acceptable combinations of site-specific soil and drinking water concentrations are presented in the following table:

TABLE B-3
NOTES FOR SOIL ANALYTICAL DATA TABLE AND MDEQ PART 201 SOIL CRITERIA TABLE

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT MICHIGAN

MDEQ Criteria Qualifiers (continued):

Acceptable Combinations of Lead in Drinking Water and Soil

Drinking Water Concentration (ug/L)	Soil Concentration (mg/kg)
5	386-395
6	376-385
7	376-385
8	366-375
9	356-365
10	346-355
11	336-345
12	336-345
13	326-335
14	316-325
15	306-315

- (M) Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.
- (P) Amenable cyanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with all groundwater criteria. Total cyanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with soil criteria. Industrial-commercial direct contact criteria may not be protective of the potential for release of hydrogen cyanide gas. Additional land or resource use restrictions may be necessary to protect for the acute inhalation concerns associated with hydrogen cyanide gas.
- (Q) Criteria for carcinogenic polycyclic aromatic hydrocarbons were developed using relative potential potencies to benzo(a)pyrene.
- (R) Hazardous substance may exhibit the characteristic of reactivity as defined in 40 C.F.R. §261.23 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan.
- (S) Criterion defaults to the hazardous substance-specific water solubility limit.
- (T) Refer to the federal Toxic Substances Control Act (TSCA), 40 C.F.R. §761, subpart d and 40 C.F.R. §761, Subpart G, to determine the

Land Use Category	TSCA, Subpart D	Part 201 Soil Direct Contact
	Cleanup Standards	Cleanup Criteria
Residential & Commercial I	1,000 ppb, or	4,000 ppb
	10,000 ppb if capped	
Industrial & Commercial II	1,000 ppb, or	16,000 ppb
	10,000 ppb if capped	
Commercial III	1,000 ppb, or	33,000 ppb
	10,000 ppb if capped	
Commercial IV	1,000 ppb, or	
	10,000 ppb if capped	22,000 ppb

- (X) The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source. For a groundwater discharge to the Great Lakes and their connecting waters or discharge in close proximity to a water supply intake in inland surface waters, the generic GSI criterion shall be the surface water human drinking water value (HDV) listed in the table in this footnote, except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion shall be the lowest of the HDV, the WV, and the calculated FCV. see formulas in footnote (G). Soil protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk shall be the greater of 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

TABLE B-3
NOTES FOR SOIL ANALYTICAL DATA TABLE AND MDEQ PART 201 SOIL CRITERIA TABLE

RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT MICHIGAN

MDEQ Criteria Qualifiers (continued):

Hazardous Substance	Chemical Abstract Service Number	Surface Water Human Drinking Water Values (HDV) (ug/L)	Soil GSI Protection Criteria (HDV) (ug/L)
Acrylonitrile	107131	2.0 (M); 0.87	100 (M); 17
Alachlor	15972608	3.5	91
Antimony	7440360	2	1,400
Arsenic	7440382	50	23,000
Atrazine	1912249	4.3	86
Barium	7440393	1,900*	*
Benzene	71432	12	240
bis(2-Chloroethyl)ether	111444	1 (M); 0.79	100 (M); 20
Bromate	15541454	10 (M); 0.5	200 (M); 10
Butyl benzyl phthalate	85687	6.9	13,000
Cadmium	7440439	2.5*	*
Carbon tetrachloride	56235	5.6	110
Chloride	16887006	50,000	1.00E+06
Chloroform	67663	77	1,500
Chromium (III)	16065831	120*	*
Cyanazine	21725462	2 (M); 0.93	200 (M); 40
3,3'-Dichlorobenzidine	91941	0.3 (M); 0.14	2,000 (M); 7.7
1,2-Dichloroethane	107062	6	120
1,1-Dichloroethylene	75354	24	480
1,2-Dichloropropane	78875	9.1	180
N,N-Dimethylacetamide	127195	700	14,000
1,4-Dioxane	123911	34	680
Ethylene dibromide	106934	0.05 (M); 0.006	20 (M); 1.0
Ethylene glycol	107211	56,000	1.10E+06
Heptachlor	76448	0.01 (M); 0.0017	NLL
beta-Hexachlorocyclohexane	319857	0.024	20 (M)
Hexachloroethane	67721	5.3	310
Isophorone	78591	310	6,200
Isopropyl alcohol	67630	28,000	5.60E+05
Lead	7439921	14*	*
Manganese	7439965	3600	72,000
Methyl-tert-butyl ether (MTBE)	1634044	100	2,000
Methylene chloride	75092	47	940
Mirex	2385855	0.02 (M); 1.6E-5	NLL
Molybdenum	7439987	120	2,400
Nitrobenzene	98953	4.7	330 (M); 94
Pentachlorophenol	87865	1.8*	*
1,2,4,5-Tetrachlorobenzene	95943	2.8	3,300
1,1,1,2-Tetrachloroethane	630206	19	380
1,1,2,2-Tetrachloroethane	79345	3.2	64
Tetrachloroethylene	127184	11	220
Tetrahydrofuran	109999	350	7,000
Thallium	7440280	2.0 (M); 1.2	2,300
1,1,2-Trichloroethane	79005	12	240
Trichloroethylene	79016	29	580