REPORT

LNAPL constituents

Resource Conservation and Recovery Act Facility Investigation Phase I Report

Volume III of IV

General Motors Corporation
NAO Flint Operations Site
Flint, Michigan

June 28, 2002

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

REPORT

Resource Conservation and Recovery Act Facility Investigation Phase I Report

Volume III of IV

General Motors Corporation
NAO Flint Operations Site
Flint, Michigan

June 28, 2002

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Table of Contents

Volume I

Acronyms 1

Section 1. Introduction 1-1

1.1 General 1-1
1.2 RFI Objectives 1-2
1.3 Report Organization 1-2

Section 2. RFI Overview 2-1

2.1 Site Description and History 2-1
2.2 Pre-RFI Investigations 2-1
2.3 RFI Investigations 2-2
2.3.1 GIS Database and Site Survey 2-2
2.3.2 RFI Sampling and Analysis Program 2-3
2.3.2.1 Boring/Well/Piezometer Installation and Sample Collection 2-3
2.3.2.2 Soil Sample Collection 2-3
2.3.2.3 Groundwater Elevation Measurement and Groundwater Sample Collection 2-4
2.3.2.4 LNAPL Delineation and Sample Collection 2-5
2.4 Interim Measures 2-6
2.4.1 Inactive IMs 2-7
2.4.2 Active IMs 2-9
2.4.3 IMs Under Design 2-10
2.4.4 Other LNAPL Areas Under Consideration 2-11

Section 3. Environmental Setting 3-1

3.1 Topography 3-1
3.2 Climate 3-1
3.3 Regional Hydrology 3-1
3.4 Regional Geology 3-2
3.4.1 Overburden 3-2
3.4.2 Bedrock 3-2
3.5 Regional Hydrogeology 3-2
3.6 Surface Water/Drainage 3-3
3.7 Site-Specific Geology 3-3
3.8 Site-Specific Hydrogeology 3-4
3.9 Land Use and Demographics 3-5

Section 4. Investigation Results and Discussion 4-1

4.1 Generic Michigan Department of Environmental Quality (MDEQ) Screening Criteria 4-1
4.2 Evaluation of Total Versus Dissolved PAL Inorganics Data 4-2
4.3 Data QA/QC Summary 4-3
4.4 AOIs North of Leith Street 4-3

4.4.1 AOI 38-1 (Process Waste Sumps, Trenches, and Former Hydraulic Car Lifts) .4-4
4.4.1.1 Scope 4-4
4.4.1.2 Results.....4-4
4.4.1.3 Conclusions 4-4
4.4.2 AOI 36-1 (Engine Manufacturing and Metal Machining Processes).....4-5
4.4.2.1 Scope 4-5
4.4.2.2 Results.....4-5
4.4.2.3 Conclusions 4-6
4.4.3 AOI 36-2 (Metal Chip Processing Area).....4-6
4.4.3.1 Scope 4-6
4.4.3.2 Results.....4-7
4.4.3.3 Conclusions 4-7
4.4.4 AOI 36-3 (Engine Assembly, Waste Oil Collection and Processing, Former USTs) 4-7
4.4.4.1 Scope 4-8
4.4.4.2 Results.....4-8
4.4.4.3 Conclusions 4-8
4.4.5 AOI 36-4 (Former Metal Machining and Active Engine Assembly) 4-9
4.4.5.1 Scope 4-9
4.4.5.2 Results.....4-9
4.4.5.3 Conclusions 4-9
4.4.6 AOI 36-5 (Former UST Farm and Active AST Farm).....4-9
4.4.6.1 Scope 4-10
4.4.6.2 Results.....4-10
4.4.6.3 Conclusions 4-10
4.4.7 AOI 55-1 (Industrial Wastewater Treatment Facilities).....4-11
4.4.7.1 Scope 4-11
4.4.7.2 Results.....4-11
4.4.7.3 Conclusions 4-12
4.4.8 AOI 10-1 (Manufacturing Operations and Several Tanks).....4-12
4.4.8.1 Scope 4-12
4.4.8.2 Results.....4-12
4.4.8.3 Conclusions 4-13
4.4.9 AOI 10-2 (Solid Waste Transfer Area and Former ASTs) 4-13
4.4.9.1 Scope 4-13
4.4.9.2 Results.....4-14
4.4.9.3 Conclusions 4-14
4.4.10 AOI 10-3 (Two Process Waste Oil Sumps).....4-14
4.4.10.1 Scope 4-15
4.4.10.2 Results.....4-15
4.4.10.3 Conclusions 4-15
4.4.11 AOI 10-4 (Scrapyard Area) 4-16
4.4.11.1 Scope 4-16
4.4.11.2 Results.....4-16
4.4.11.3 Conclusions 4-16
4.4.12 AOI 05-1 (Former Metal Machining Chip Processing).....4-17
4.4.12.1 Scope 4-17
4.4.12.2 Results.....4-17
4.4.12.3 Conclusions 4-18
4.4.13 AOI 05-2 (Filtration Room, Oil Room, Below-Grade Vault, and Elevator Pit)...4-18
4.4.13.1 Scope 4-18
4.4.13.2 Results.....4-18
4.4.13.3 Conclusions 4-19

4.4.14 AOI 05-3 (Building 43 Basement Containing Process Waste Oil Sumps and Drains) 4-19
4.4.14.1 Scope 4-19
4.4.14.2 Results 4-19
4.4.14.3 Conclusions 4-20
4.4.15 AOI 05-4 (Metal Forming Operations and Recirculation Trenches and Sumps) 4-20
4.4.15.1 Scope 4-20
4.4.15.2 Results 4-20
4.4.15.3 Conclusions 4-20
4.4.16 AOI 05-5 (Active Process Machinery, Collection Trenches, and Sumps) 4-21
4.4.16.1 Scope 4-21
4.4.16.2 Results 4-21
4.4.16.3 Conclusions 4-21
4.4.17 AOI-05-6 (Active Process Machinery, Collection Trenches, and Sumps) 4-22
4.4.17.1 Scope 4-22
4.4.17.2 Results 4-22
4.4.17.3 Conclusions 4-23
4.4.18 AOI 03-1 (Quenching and Cooling Oil Systems) 4-23
4.4.18.1 Scope 4-23
4.4.18.2 Results 4-23
4.4.18.3 Conclusions 4-24
4.4.19 AOI 81-1 (Metal Machining, Chip, Cooling, and Cutting Oil Filtration and Processing, a Hydraulic Elevator, Process Waste Sumps and Tanks, a Drum Storage Area, and an Active Hazardous Waste Accumulation Area) 4-24
4.4.19.1 Scope 4-24
4.4.19.2 Results 4-25
4.4.19.3 Conclusions 4-25
4.4.20 AOI 81-2 (Active Metal Welding and Machining and Torque Converter Assembly) 4-25
4.4.20.1 Scope 4-26
4.4.20.2 Results 4-26
4.4.20.3 Conclusions 4-26
4.4.21 AOI 81-3 (Former Foundry Operations, an Elevator Pit, Metal Machining Areas, and a Forklift Battery Charging Area) 4-27
4.4.21.1 Scope 4-27
4.4.21.2 Results 4-27
4.4.21.3 Conclusions 4-28
4.4.22 AOI 81-4 (Air Compressor Operations) 4-28
4.4.22.1 Scope 4-28
4.4.22.2 Results 4-28
4.4.22.3 Conclusions 4-29
4.4.23 AOI 81-5 (Existing and Former ASTs) 4-29
4.4.23.1 Scope 4-29
4.4.23.2 Results 4-29
4.4.23.3 Conclusions 4-30
4.4.24 AOI 21-1 (Former Metal Chip Briquetting Operations and Current Metal Welding and Tool Grinding Operations) 4-30
4.4.24.1 Scope 4-30
4.4.24.2 Results 4-30
4.4.24.3 Conclusions 4-31
4.4.25 AOI 65-1 (Air Compressor Station and a Main Process Waste Pump Station) 4-31

4.4.25.1 Scope 4-31
4.4.25.2 Results 4-31
4.4.25.3 Conclusions 4-32
4.4.26 AOI 83/84-1 (Former and Existing Machining Operations) 4-32
4.4.26.1 Scope 4-32
4.4.26.2 Results 4-32
4.4.26.3 Conclusions 4-33
4.4.27 AOI 83/84-2 (Former and Existing Machining Operations) 4-33
4.4.27.1 Scope 4-33
4.4.27.2 Results 4-33
4.4.27.3 Conclusions 4-34
4.4.28 AOI 83/84-3 (Former and Existing Machining Operations) 4-34
4.4.28.1 Scope 4-34
4.4.28.2 Results 4-35
4.4.28.3 Conclusions 4-35
4.4.29 AOI 83/84-4 (Former Machining Operations and an Inactive Rail Loading Area) 4-35
4.4.29.1 Scope 4-36
4.4.29.2 Results 4-36
4.4.29.3 Conclusions 4-36
4.4.30 AOI 83/84-5 (Former Process Trenches and Pits, and an Inactive Heat Treating Tunnel) 4-36
4.4.30.1 Scope 4-37
4.4.30.2 Results 4-37
4.4.30.3 Conclusions 4-37
4.4.31 AOI 83/84-6 (Forklift Battery Charging Area and Associated Trench and Pit, and a Drum Storage Area 4-37
4.4.31.1 Scope 4-38
4.4.31.2 Results 4-38
4.4.31.3 Conclusions 4-38
4.4.32 AOI 83/84-7 (Underground Storage Tanks) 4-38
4.4.32.1 Scope 4-38
4.4.32.2 Results 4-39
4.4.32.3 Conclusions 4-39
4.4.33 AOI 85-1 (Elevator Pit and Engine Test Area) 4-39
4.4.33.1 Scope 4-39
4.4.33.2 Results 4-40
4.4.33.3 Conclusions 4-40
4.4.34 AOI 86-1 (Hazardous Waste Drum Accumulation Area, Process Waste Sump and Pump Station, Waste Transport Vehicle Storage Area, and Former USTs) 4-40
4.4.34.1 Scope 4-41
4.4.34.2 Results 4-41
4.4.34.3 Conclusions 4-42
4.4.35 AOI 07-1 (Former Coal Yard) 4-42
4.4.35.1 Scope 4-42
4.4.35.2 Results 4-42
4.4.35.3 Conclusions 4-43
4.4.36 AOI 07-2 (Inactive Lime "Slaker House" and Inactive Lime Slurry Tank) 4-43
4.4.36.1 Scope 4-43
4.4.36.2 Results 4-43
4.4.36.3 Conclusions 4-44
4.4.37 AOI 07-3 (Two Elevator Pits and a bulk Acid AST) 4-44
4.4.37.1 Scope 4-44

4.4.37.2 Results 4-44
4.4.37.3 Conclusions 4-45
4.5 AOIs South of Leith Street 4-45
4.5.1 AOI Group 94-A (Sumps and Trenches in Oil Change Pits and Chemical Storage Areas) 4-45
4.5.1.1 Scope 4-45
4.5.1.2 Results 4-45
4.5.1.3 Conclusions 4-46
4.5.2 AOI Group 94-B (Process Sump and Trench) 4-46
4.5.2.1 Scope 4-46
4.5.2.2 Results 4-46
4.5.2.3 Conclusions 4-46
4.5.3 AOI Group 94-C (Hydraulic Oil Storage Areas) 4-47
4.5.3.1 Scope 4-47
4.5.3.2 Results 4-47
4.5.3.3 Conclusions 4-47
4.5.4 AOI Group 94-D (Pit For a Cable-Operated Car Elevator) 4-48
4.5.4.1 Scope 4-48
4.5.4.2 Results 4-48
4.5.4.3 Conclusions 4-48
4.5.5 AOI Group 94-E (Car-Loading Machinery and Hydraulic Oil Observed on Floor) 4-49
4.5.5.1 Scope 4-49
4.5.5.2 Results 4-49
4.5.5.3 Conclusions 4-49
4.5.6 AOI Group 84-A (Elevator Pits, Sumps, a Machine Shop, Hydraulic Cylinders, and a Hydraulic Lift) 4-49
4.5.6.1 Scope 4-50
4.5.6.2 Results 4-50
4.5.6.3 Conclusions 4-50
4.5.7 AOI Group 84-B (Sumps, Floor Drains, a Pit, a Flooded Basement, and a Below Grade Vault) 4-50
4.5.7.1 Scope 4-51
4.5.7.2 Results 4-51
4.5.7.3 Conclusions 4-51
4.5.8 AOI Group 84-C (Sumps, a Trench, and an Oil/Water Separator Pit) 4-51
4.5.8.1 Scope 4-51
4.5.8.2 Results 4-52
4.5.8.3 Conclusions 4-52
4.5.9 AOI Group 84-D (Former UST Farm, an AST Farm, and Drum Storage Area) 4-52
4.5.9.1 Scope 4-52
4.5.9.2 Results 4-53
4.5.9.3 Conclusions 4-53
4.5.10 AOI Group 17-A (Elevator Pit) 4-53
4.5.10.1 Scope 4-53
4.5.10.2 Results 4-54
4.5.10.3 Conclusions 4-54
4.5.11 AOI Group 02-A (Process Wastewater Sump) 4-54
4.5.11.1 Scope 4-54
4.5.11.2 Results 4-55
4.5.11.3 Conclusions 4-55
4.5.12 AOI Group 02-B (Elevator Pit) 4-55
4.5.12.1 Scope 4-55

4.5.12.2 Results....4-56
4.5.12.3 Conclusions....4-56
4.5.13 AOI Group 02-C (Sump In The Materials Laboratory)....4-56
4.5.13.1 Scope....4-56
4.5.13.2 Results....4-57
4.5.13.3 Conclusions....4-57
4.5.14 AOI Group 02-D (Press Machine Pit)....4-57
4.5.14.1 Scope....4-57
4.5.14.2 Results....4-58
4.5.14.3 Conclusions....4-58
4.5.15 AOI Group 02-E (Former UST)....4-58
4.5.15.1 Scope....4-58
4.5.15.2 Results....4-58
4.5.15.3 Conclusions....4-59
4.5.16 AOI Group 02-F (Hydraulic Oil AST and Pump)....4-59
4.5.16.1 Scope....4-59
4.5.16.2 Results....4-59
4.5.16.3 Conclusions....4-60
4.5.17 AOI Group 23-A (Process Waste Sumps, Dock Levelers, and Basements Used for Heat Treat Process Water)....4-60
4.5.17.1 Scope....4-60
4.5.17.2 Results....4-60
4.5.17.3 Conclusions....4-61
4.5.18 AOI Group 29-A (Elevator Pit and Observed Oil Staining)....4-61
4.5.18.1 Scope....4-61
4.5.18.2 Results....4-61
4.5.18.3 Conclusions....4-62
4.5.19 AOI Group 12-A (Press Pits, Sumps, Trenches, Traps, and Floor Staining)....4-62
4.5.19.1 Scope....4-62
4.5.19.2 Results....4-62
4.5.19.3 Conclusions....4-63
4.5.20 AOI Group 12-B (Truck Loading Dock Drain and Sump)....4-63
4.5.20.1 Scope....4-63
4.5.20.2 Results....4-63
4.5.20.3 Conclusions....4-64
4.5.21 AOI Group 12-C (Sump In Battery Charging Area, Deep Steam Pipe, and a Utility Pit Containing Oil and Water)....4-64
4.5.21.1 Scope....4-64
4.5.21.2 Results....4-64
4.5.21.3 Conclusions....4-65
4.5.22 AOI Group 12-D (Abandoned, Flooded Utility Tunnel)....4-65
4.5.22.1 Scope....4-65
4.5.22.2 Results....4-65
4.5.22.3 Conclusions....4-66
4.5.23 AOI Group 04-A (Process Waste Room and Waste Pit)....4-66
4.5.23.1 Scope....4-66
4.5.23.2 Results....4-66
4.5.23.3 Conclusions....4-67
4.5.24 AOI Group 04-B (Elevator Pits)....4-67
4.5.24.1 Scope....4-67
4.5.24.2 Results....4-67
4.5.24.3 Conclusions....4-68
4.5.25 AOI Group 04-C (Elevator Pit)....4-68
4.5.25.1 Scope....4-68

4.5.25.2 Results....4-68
4.5.25.3 Conclusions....4-69
4.5.26 AOI Group 04-D (Former USTs)....4-69
4.5.26.1 Scope....4-69
4.5.26.2 Results....4-69
4.5.26.3 Conclusions....4-69
4.5.27 AOI Group 16-A (Vehicle Fill-Up Station, Automatic Transmission Pump House, and a Gas Pump Station)....4-70
4.5.27.1 Scope....4-70
4.5.27.2 Results....4-70
4.5.27.3 Conclusions....4-70
4.5.28 AOI Group 16-B (Elevator Pit)....4-71
4.5.28.1 Scope....4-71
4.5.28.2 Results....4-71
4.5.28.3 Conclusions....4-71
4.5.29 AOI Group 16-C (Hydraulic Motor, Former AST, and Former USTs)....4-71
4.5.29.1 Scope....4-72
4.5.29.2 Results....4-72
4.5.29.3 Conclusions....4-72
4.5.30 AOI Group 16-D (Former UST and Process Wastewater Sump)....4-73
4.5.30.1 Scope....4-73
4.5.30.2 Results....4-73
4.5.30.3 Conclusions....4-74
4.5.31 AOI Group 40-A (Former UST Farm)....4-74
4.5.31.1 Scope....4-74
4.5.31.2 Results....4-74
4.5.31.3 Conclusions....4-75
4.5.32 AOI Group 40-B (Elevator Pit)....4-75
4.5.32.1 Scope....4-75
4.5.32.2 Results....4-75
4.5.32.3 Conclusions....4-76
4.5.33 AOI Group 40-C (Elevator Pit)....4-76
4.5.33.1 Scope....4-76
4.5.33.2 Results....4-76
4.5.33.3 Conclusions....4-77
4.5.34 AOI Group 40-D (Flooded Basement/Tunnel Area)....4-77
4.5.34.1 Scope....4-77
4.5.34.2 Results....4-78
4.5.34.3 Conclusions....4-78
4.5.35 AOI Group 44-A (Sumps, Pits, Trenches, Drains, Floor Stains, and ASTs)....4-78
4.5.35.1 Scope....4-78
4.5.35.2 Results....4-79
4.5.35.3 Conclusions....4-79
4.5.36 AOI Group 09-A (Former USTs, Floor Trenches, and Former AST)....4-80
4.5.36.1 Scope....4-80
4.5.36.2 Results....4-80
4.5.36.3 Conclusions....4-81
4.5.37 AOI Group 09-B (Hamilton Avenue Tank Farm)....4-81
4.5.37.1 Scope....4-81
4.5.37.2 Results....4-82
4.5.37.3 Conclusions....4-82
4.6 New AOIs....4-82
4.6.1 Former Aeration Lagoons Area....4-83
4.6.1.1 Scope....4-83

4.6.1.2 Results....4-83
4.6.1.3 Conclusions....4-83
4.6.2 Harriet Street Area (USTs)....4-83
4.6.2.1 Scope....4-84
4.6.2.2 Results....4-84
4.6.2.3 Conclusions....4-84
4.6.3 Former Administration Building Area (Transformer Yard, Soil Stockpile Area, and Former USTs)....4-85
4.6.3.1 Scope....4-85
4.6.3.2 Results....4-85
4.6.3.3 Conclusions....4-86
4.6.4 Former Building 94 Employee Parking Lot....4-86
4.6.4.1 Scope....4-86
4.6.4.2 Results....4-86
4.6.4.3 Conclusions....4-87

Section 5. Project Status....5-1

5.1 AOI Investigation Status Summary....5-1
5.1.1 AOIs Requiring No Further Investigation....5-1
5.1.2 AOIs Requiring No Further Investigation of Soil....5-2
5.1.3 AOIs Requiring No Further Investigation of Groundwater....5-3
5.1.4 AOIs Requiring Risk Evaluation....5-4
5.2 Background Soil Data....5-4
5.3 Sitewide Groundwater Quality....5-4
5.3.1 Upgradient Groundwater Quality....5-4
5.3.2 Sitewide Distribution of Constituents in Groundwater at Concentrations Above Generic Screening Criteria....5-5
5.4 Interim Measures Status Summary....5-6

Section 6. References....6-1

Tables

2-1 Soil Boring Inventory and Completion Summary
2-2 Monitoring Well Inventory and Completion Summary
2-3 Soil Sample Collection Summary
2-4 Water Sample Collection Summary
2-5 LNAPL Sample Collection Summary
2-6 Measured LNAPL Thickness Summary
3-1 Geotechnical Data Summary
3-2 Groundwater and LNAPL Elevation Data
5-1 Summary of RFI Activities, Results, and Investigation Status

Figures (Bound Separately)

2-1 Site Location Map
2-2 Decision Logic Flow Chart for Groundwater Sample Collection
2-3 Site Plan – Northend
2-4 Site Plan – Southend
2-5 Interim Measures and Storm Sewer Location Map - Northend
2-6 Interim Measures and Storm Sewer Location Map - Southend
3-1 Northend Well and Cross-Section Location Map
3-2 Southend Well and Cross-Section Location Map

3-3 Generalized Geologic Cross Sections D-D' and D'-D"
3-4 Generalized Geologic Cross Section E-E'
3-5 Generalized Geologic Cross Sections F-F' and G-G'
3-6 Generalized Geologic Cross Section A-A'
3-7 Generalized Geologic Cross Sections B-B' and C-C'
3-8 Generalized Water Table Elevation Contour Map, September 10-11, 2001
4-1 Soil Analytical Data, Building 38 Area
4-2 Groundwater Analytical Data, Building 38 Area
4-3 Soil Analytical Data, Building 36 Area
4-4 Groundwater Analytical Data, Building 36 Area
4-5 Soil Analytical Data, Building 20 Area
4-6 Groundwater Analytical Data, Building 20 Area
4-7 Soil Analytical Data, Factory 05 (Building 43) Area
4-8 Groundwater Analytical Data, Factory 05 (Building 43) Area
4-9 Soil Analytical Data, Building 30 Area
4-10 Groundwater Analytical Data, Building 30 Area
4-11 Soil Analytical Data, Factory 81 (Buildings 69, 70, 71, 72, and 73) Area
4-12 Groundwater Analytical Data, Factory 81 (Buildings 69, 70, 71, 72, and 73) Area
4-13 Soil Analytical Data, Buildings 07, 21, 85, and 86 Area
4-14 Groundwater Analytical Data, Buildings 07, 21, 85, and 86 Area
4-15 Soil Analytical Data, Factory 83/84 (Buildings 11, 32, 65, 66, and 83) Area
4-16 Groundwater Analytical Data, Factory 83/84 (Buildings 11, 32, 65, 66, and 83) Area
4-17 Soil Analytical Data, Buildings 03, 17, 28, 84, and 94 Area
4-18 Groundwater Analytical Data, Buildings 03, 17, 28, 84, and 94 Area
4-19 Soil Analytical Data, Buildings 02, 12, 23, and 29 Area
4-20 Groundwater Analytical Data, Buildings 02, 12, 23, and 29 Area
4-21 Soil Analytical Data, Buildings 04, 08, 16, 40, and 44 Area
4-22 Groundwater Analytical Data, Buildings 04, 08, 16, 40, and 44 Area
4-23 Soil Analytical Data, Building 09 Area
4-24 Groundwater Analytical Data, Building 09 Area
4-25 Soil Analytical Data, Aeration Lagoons Area
4-26 Groundwater Analytical Data, Aeration Lagoons Area
4-27 Soil Analytical Data, Building 01 Area
4-28 Groundwater Analytical Data, Building 01 Area
5-1 Distribution of Constituent Concentrations in Groundwater Above Generic MDEQ Criteria, Northend
5-2 Distribution of Constituent Concentrations in Groundwater Above Generic MDEQ Criteria, Southend
5-3 Isoconcentration Map of Select Chlorinated Constituents in Groundwater, Northend
5-4 Isoconcentration Map of Select Chlorinated Constituents in Groundwater, Southend
5-5 Isoconcentration Map of Benzene and Toluene in Groundwater, Northend
5-6 Isoconcentration Map of Benzene in Groundwater, Southend

Appendices

Volume II

A Boring and Monitoring Well Logs

Volume III

B Geotechnical Data
C Soil Analytical Data
Table C-1 Soil Analytical Data
Table C-2 MDEQ Part 201 Soil Screening Criteria
Table C-3 Notes for Tables

D Groundwater Analytical Data
Table D-1 Groundwater Sample Collection Field Parameters
Table D-2 Groundwater Analytical Data
Table D-3 MDEQ Part 201 Groundwater Screening Criteria
Table D-4 Notes for Tables
E LNAPL Analytical Data
Table E-1 LNAPL Analytical Data
F Evaluation of Total and Dissolved TAL Data

Volume IV

G Analytical Data Review and Validation Report Summaries

Appendix B

Geotechnical Data

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Materials Testing Consultants, Inc.

Corporate Office
693 Plymouth NE • Grand Rapids, MI 49505 • (616) 456-5469 • FAX (616) 456-5784

Northern Michigan Office
PO Box 3425 • Traverse City, MI 49685 • (231) 922-7111

MATERIALS Engineers, Independent TESTING Laboratories, Geotechnical & Environmental CONSULTANTS — Since 1968

REPORT DISTRIBUTION

RECEIVED
NOV 30 2001
BLASLAND BOUCK & LEE, INC.
ANN ARBOR, MI

PROJECT **GM-Flint-NAO**

PROJECT NO. **011482**

CLIENT **BBL, Inc.**

Copies	To
1	Mr. Brian Loomis BBL, Inc. 6723 Towpath Road P.O. Box 610 Syracuse NY 13214-0066

Our reports are prepared for the exclusive use of the client and any partial or whole reproduction without the consent of the client is prohibited.

Rev. 1

Materials Testing Consultants, INC.
CORPORATE OFFICE: 693 PLYMOUTH; N.E. GRAND RAPIDS, MI 49505
(616) 456-5469 / FAX (616) 456-5784
NORTHERN MICHIGAN OFFICE: P.O. BOX 3425 TRAVERSE CITY, MI 49685-3425
(231) 922-7111

MTC PROJECT NO.: 011482
DATE: 11-05-01

PROJECT GM – Flint – NAO
CLIENT BBL, Inc.
CONTRACTOR
ENGINEER/ARCHITECT

MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS USING A FLEXIBLE WALL PERMEAMETER ASTM D-5084

MTC SAMPLE NO.: 66557 TEST DATE: 10-25-01

SAMPLE LOCATION: RFI-36-01, 40-40.5'

SAMPLE DESCRIPTION: Silty clay with sand (CL-ML)

TYPE OF SAMPLE: Undisturbed Tube

SAMPLE DIMENSIONS - INITIAL

DIAMETER (IN.): 2.84 HEIGHT (IN.): 1.89 AREA (IN^2): 6.33

DRY UNIT WEIGHT (PCF): 126.5 WATER CONTENT (%): 13.1

TYPE OF PERMEANT: 0.01 N $CaSO_4$

MAXIMUM BACK PRESSURE USED (PSI): 40.0

MAXIMUM EFFECTIVE CONSOLIDATION STRESS: 4.0psi

MINIMUM EFFECTIVE CONSOLIDATION STRESS: 1.0psi

RANGE OF HYDRAULIC GRADIENT: 18.5-22.9

SAMPLE DIMENSIONS - FINAL

DIAMETER (IN.): 2.83 HEIGHT (IN.): 1.89 AREA (IN^2): 6.29

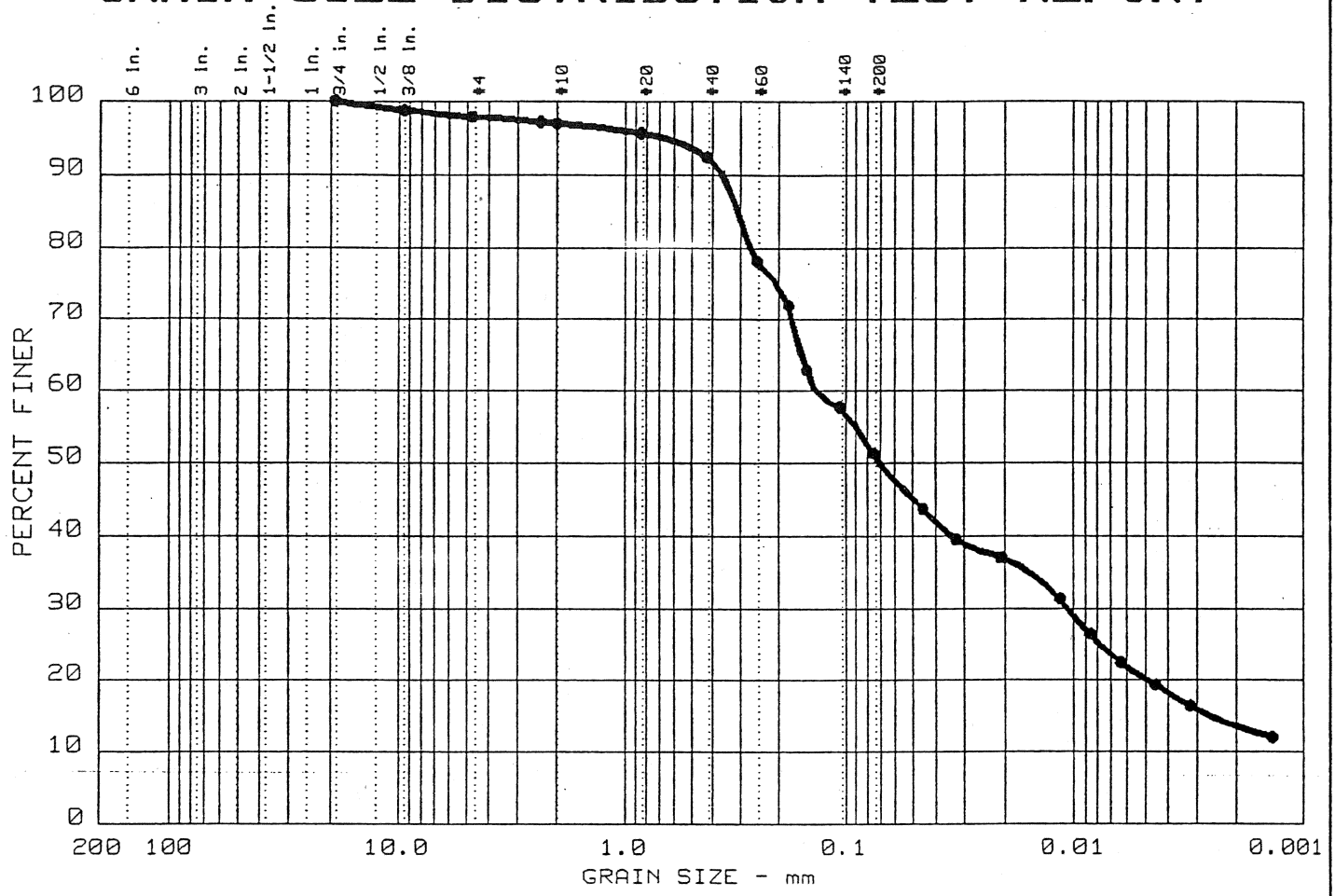
DRY UNIT WEIGHT (PCF): 127.3 WATER CONTENT (%): 12.8

AVERAGE HYDRAULIC CONDUCTIVITY (CM/SEC): 7.9×10^{-8}

TESTED BY: Pete Johnson REVIEWED BY: P.J

PETER T. JOHNSON
LABORATORY MANAGER

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	2.1	46.5	31.2	20.2

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	17	7	0.305	0.136	0.0692	0.0105	0.0026			

MATERIAL DESCRIPTION	USCS	AASHTO
● Lean clay with sand (Assumes PI>7)	CL-ML	

Project No.: 011482
Project: GM - Flint - NAO
● Location: RFI-36-01, 20-22'

Date: 11-7-01

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

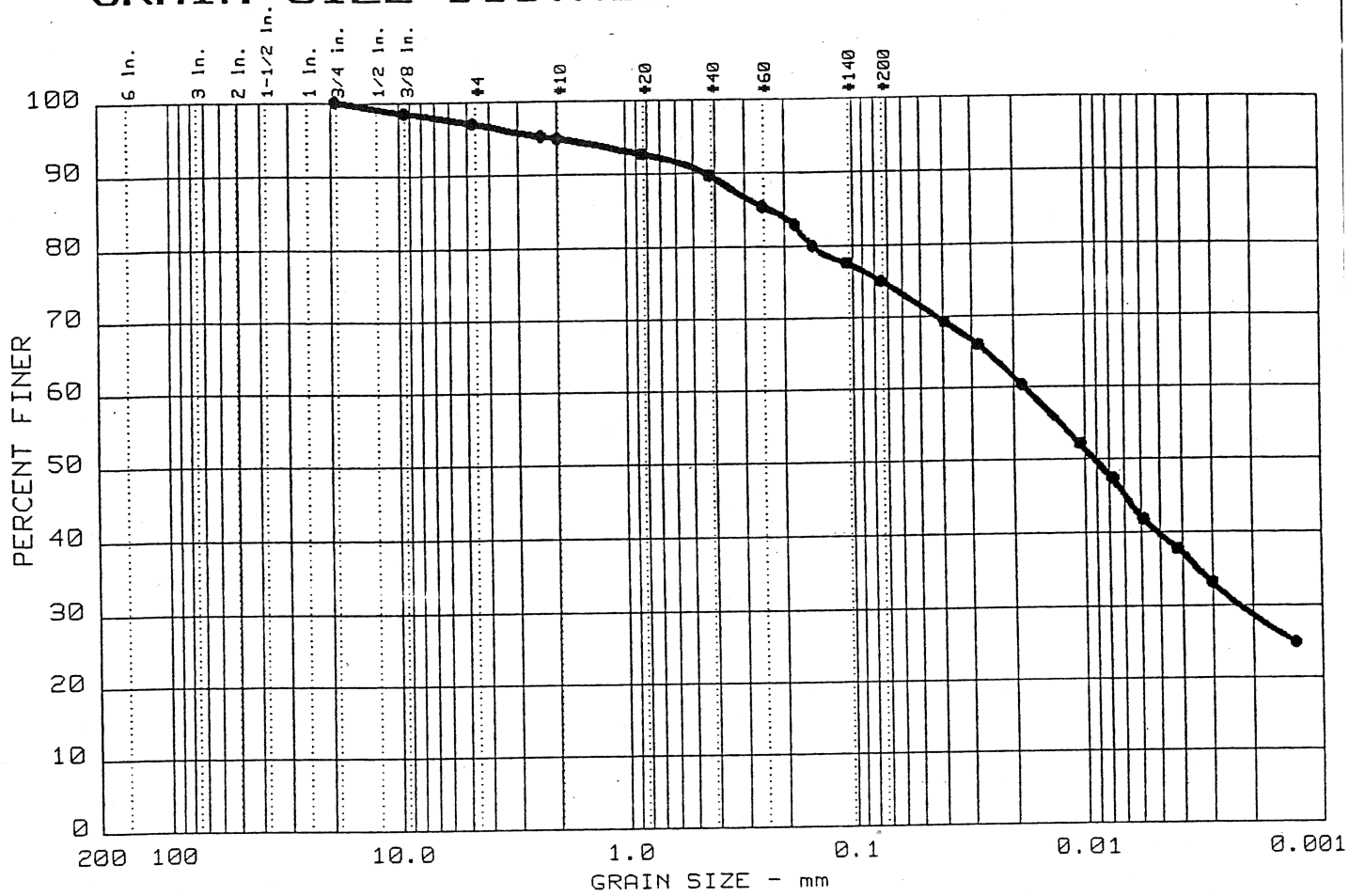
Remarks:

Moisture Content = 20.1%

Organic Content = 7.2%

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	3.1	21.9	35.4	39.6

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	25	12	0.232		0.0090	0.0023				

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty clay with sand	CL-ML	

Project No.: 011482
Project: GM - Flint - NAO
● Location: RFI-36-01, 40-40.5'

Date: 11-7-01

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Remarks:

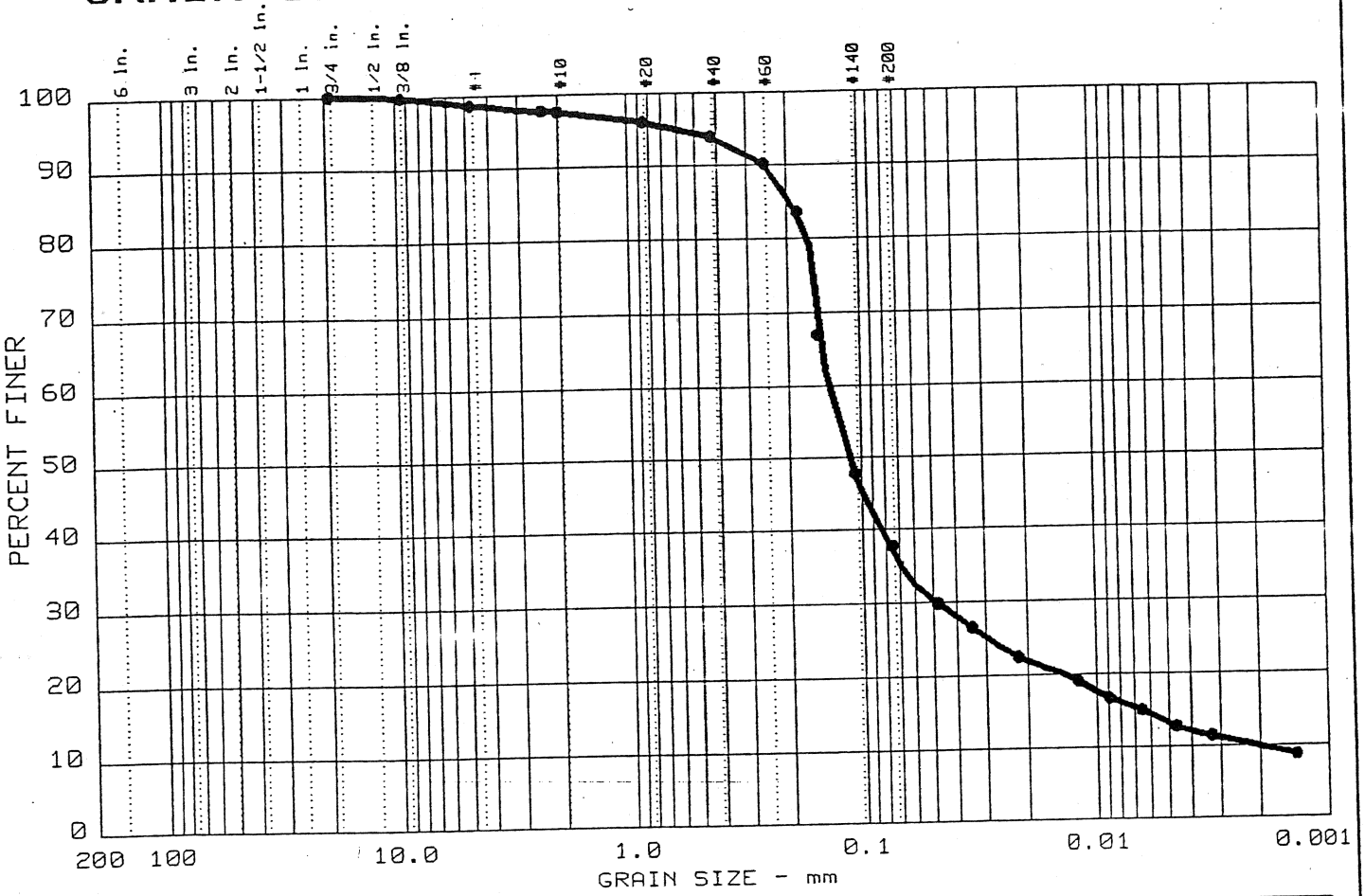
Moisture Content = 11.8%

Organic Content = 8.4%

Permeability = 7.9x10^-8 cm/sec.

Fig. No.: ———

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	1.4	60.9	24.5	13.2

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	NP	NP	0.193	0.132	0.111	0.0483	0.0064	0.0020	8.65	65.0

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty sand	SM	

Project No.: 011482
Project: GM - Flint - NAO
● Location: RFI-55-01, 8.5-10.5'

Date: 11-7-01

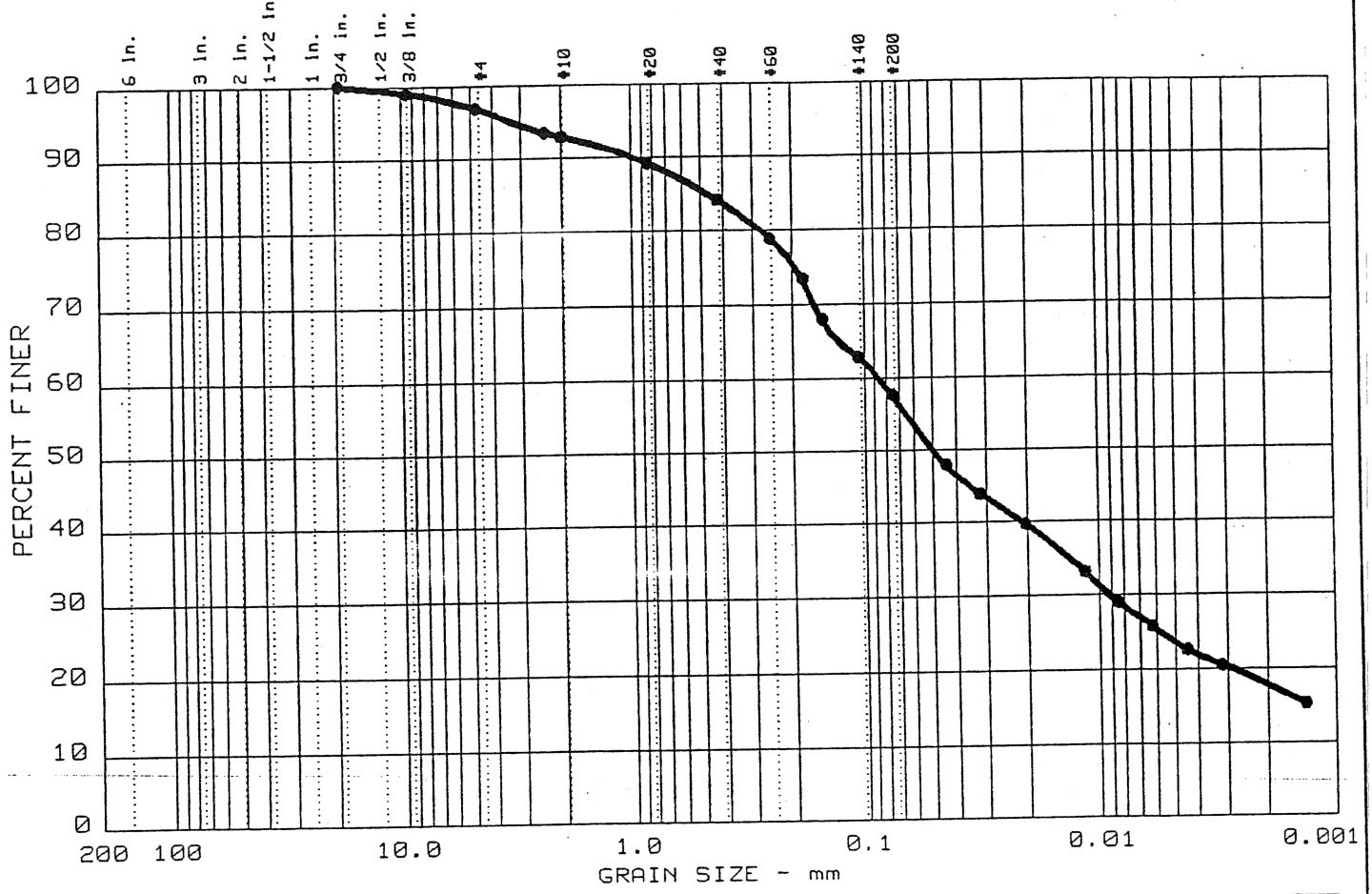
Remarks:
Moisture Content = 17.0%
Organic Content = 6.9%

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: ———

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	3.2	39.1	34.1	23.6

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	19	8	0.468	0.0851	0.0501	0.0090				

MATERIAL DESCRIPTION	USCS	AASHTO
● Sandy lean clay	CL	

Project No.: 011482
Project: GM - Flint - NAO
● Location: RFI-55-01, 36-37'

Date: 11-7-01

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

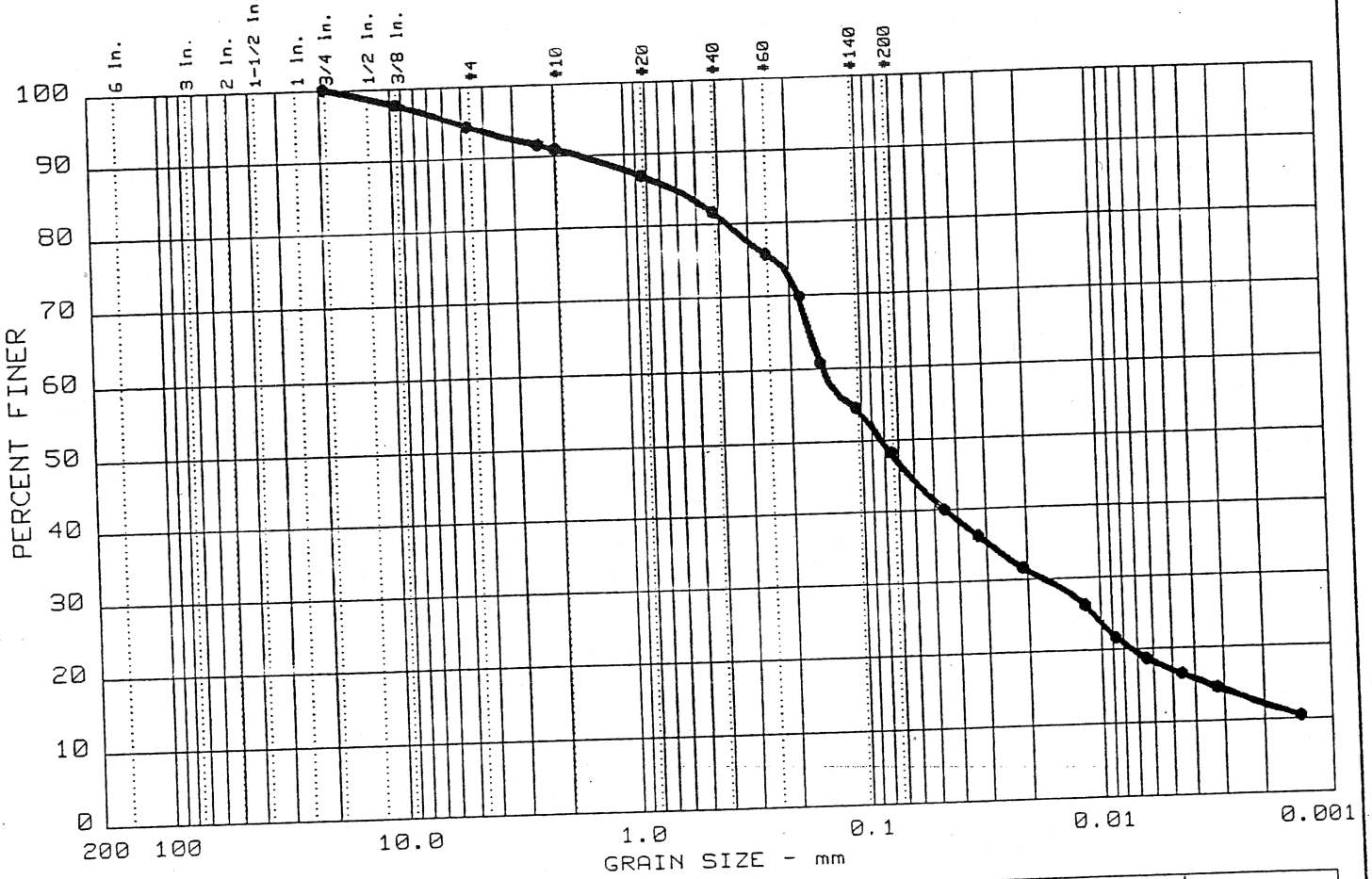
Remarks:

Moisture Content = 10.3%

Organic Content = 6.0%

Fig. No.: ———

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	5.6	46.2	31.2	17.0

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	16	4	0.624	0.147	0.0817	0.0171	0.0035			

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty, clayey sand	SC-SM	

Project No.: 011482
Project: GM - Flint - NAO
● Location: RFI-94-02, 17.5-17.8'

Date: 11-7-01

Remarks:
Moisture Content = 10.6%
Organic Content = 7.4%

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: _____

MTC Logbook

Summary of Lab Testing

30-Nov-01

11/01/2001 **through** 11/30/2001

T-Code	Test Description	Sample No	Completion Date	Job No	Project Description
GD.0	SIEVE ANALYSIS	66539	11/5/2001	011482	GM-FLINT NAO
GD.0	SIEVE ANALYSIS	66540	11/5/2001	011482	GM-FLINT NAO
GD.0	SIEVE ANALYSIS	66541	11/5/2001	011482	GM-FLINT NAO
GD.0	SIEVE ANALYSIS	66542	11/5/2001	011482	GM-FLINT NAO
GD.0	SIEVE ANALYSIS	66542	11/5/2001	011482	GM-FLINT NAO
GD.0	SIEVE ANALYSIS	66543	11/5/2001	011482	GM-FLINT NAO
6					
GE.0	LOSS BY WASH	66539	11/5/2001	011482	GM-FLINT NAO
GE.0	LOSS BY WASH	66540	11/5/2001	011482	GM-FLINT NAO
GE.0	LOSS BY WASH	66541	11/5/2001	011482	GM-FLINT NAO
GE.0	LOSS BY WASH	66542	11/5/2001	011482	GM-FLINT NAO
GE.0	LOSS BY WASH	66542	11/5/2001	011482	GM-FLINT NAO
GE.0	LOSS BY WASH	66543	11/5/2001	011482	GM-FLINT NAO
6					
GH.0	HYDROMETER INCL SIEVE AND SG	66544	11/5/2001	011482	GM-FLINT NAO
GH.0	HYDROMETER INCL SIEVE AND SG	66545	11/5/2001	011482	GM-FLINT NAO
GH.0	HYDROMETER INCL SIEVE AND SG	66546	11/5/2001	011482	GM-FLINT NAO
GH.0	HYDROMETER INCL SIEVE AND SG	66547	11/5/2001	011482	GM-FLINT NAO
GH.0	HYDROMETER INCL SIEVE AND SG	66548	11/5/2001	011482	GM-FLINT NAO
GH.0	HYDROMETER INCL SIEVE AND SG	66549	11/5/2001	011482	GM-FLINT NAO
GH.0	HYDROMETER INCL SIEVE AND SG	66550	11/5/2001	011482	GM-FLINT NAO
GH.0	HYDROMETER INCL SIEVE AND SG	66551	11/5/2001	011482	GM-FLINT NAO
GH.0	HYDROMETER INCL SIEVE AND SG	66552	11/5/2001	011482	GM-FLINT NAO
GH.0	HYDROMETER INCL SIEVE AND SG	66553	11/5/2001	011482	GM-FLINT NAO
GH.0	HYDROMETER INCL SIEVE AND SG	66554	11/5/2001	011482	GM-FLINT NAO
GH.0	HYDROMETER INCL SIEVE AND SG	66555	11/5/2001	011482	GM-FLINT NAO
GH.0	HYDROMETER INCL SIEVE AND SG	66556	11/5/2001	011482	GM-FLINT NAO
GH.0	HYDROMETER INCL SIEVE AND SG	66557	11/5/2001	011482	GM-FLINT NAO
GH.0	HYDROMETER INCL SIEVE AND SG	66558	11/5/2001	011482	GM-FLINT NAO
GH.0	HYDROMETER INCL SIEVE AND SG	66559	11/5/2001	011482	GM-FLINT NAO
GH.0	HYDROMETER INCL SIEVE AND SG	66560	11/5/2001	011482	GM-FLINT NAO
17					
GI.0	LIQ LIM, PLAST LIM % MST	66556	11/5/2001	011482	GM-FLINT NAO
GI.0	LIQ LIM, PLAST LIM % MST	66557	11/5/2001	011482	GM-FLINT NAO
GI.0	LIQ LIM, PLAST LIM % MST	66558	11/5/2001	011482	GM-FLINT NAO
GI.0	LIQ LIM, PLAST LIM % MST	66559	11/5/2001	011482	GM-FLINT NAO
GI.0	LIQ LIM, PLAST LIM % MST	66560	11/5/2001	011482	GM-FLINT NAO
5					
GK2.0	DENS & MST - SPT SAMPLE	66539	11/5/2001	011482	GM-FLINT NAO
GK2.0	DENS & MST - SPT SAMPLE	66540	11/5/2001	011482	GM-FLINT NAO
GK2.0	DENS & MST - SPT SAMPLE	66541	11/5/2001	011482	GM-FLINT NAO
GK2.0	DENS & MST - SPT SAMPLE	66542	11/5/2001	011482	GM-FLINT NAO
GK2.0	DENS & MST - SPT SAMPLE	66542	11/5/2001	011482	GM-FLINT NAO
GK2.0	DENS & MST - SPT SAMPLE	66543	11/5/2001	011482	GM-FLINT NAO

MTC Logbook

Summary of Lab Testing

30-Nov-01

11/01/2001 **through** 11/30/2001

T-Code	Test Description	Sample No	Completion Date	Job No	Project Description
GK2.0	DENS & MST - SPT SAMPLE	66544	11/5/2001	011482	GM-FLINT NAO
GK2.0	DENS & MST - SPT SAMPLE	66545	11/5/2001	011482	GM-FLINT NAO
GK2.0	DENS & MST - SPT SAMPLE	66546	11/5/2001	011482	GM-FLINT NAO
GK2.0	DENS & MST - SPT SAMPLE	66547	11/5/2001	011482	GM-FLINT NAO
GK2.0	DENS & MST - SPT SAMPLE	66548	11/5/2001	011482	GM-FLINT NAO
GK2.0	DENS & MST - SPT SAMPLE	66549	11/5/2001	011482	GM-FLINT NAO
GK2.0	DENS & MST - SPT SAMPLE	66550	11/5/2001	011482	GM-FLINT NAO
GK2.0	DENS & MST - SPT SAMPLE	66551	11/5/2001	011482	GM-FLINT NAO
GK2.0	DENS & MST - SPT SAMPLE	66552	11/5/2001	011482	GM-FLINT NAO
GK2.0	DENS & MST - SPT SAMPLE	66553	11/5/2001	011482	GM-FLINT NAO
GK2.0	DENS & MST - SPT SAMPLE	66554	11/5/2001	011482	GM-FLINT NAO
GK2.0	DENS & MST - SPT SAMPLE	66555	11/5/2001	011482	GM-FLINT NAO
18					
GT.0	ORGANIC CONTENT/LOSS ON IGN	66539	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66540	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66541	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66542	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66542	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66543	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66544	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66545	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66546	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66547	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66548	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66549	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66550	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66551	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66552	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66553	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66554	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66555	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66556	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66557	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66558	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66559	11/5/2001	011482	GM-FLINT NAO
GT.0	ORGANIC CONTENT/LOSS ON IGN	66560	11/5/2001	011482	GM-FLINT NAO
23					
GU4.0	PERMEABILITY - TRIAXIAL	66557	11/5/2001	011482	GM-FLINT NAO
1					

Materials Testing Consultants, INC.

MATERIALS Engineers, Independent TESTING Laboratories, Geotechnical & Environmental CONSULTANTS — Since 1968

Corporate Office
693 Plymouth NE • Grand Rapids, MI 49505 • (616) 456-5469 • FAX (616) 456-5784

Northern Michigan Office
PO Box 3425 • Traverse City, MI 49685 • (231) 922-7111

REPORT DISTRIBUTION

PROJECT **GM-Flint-NAO**

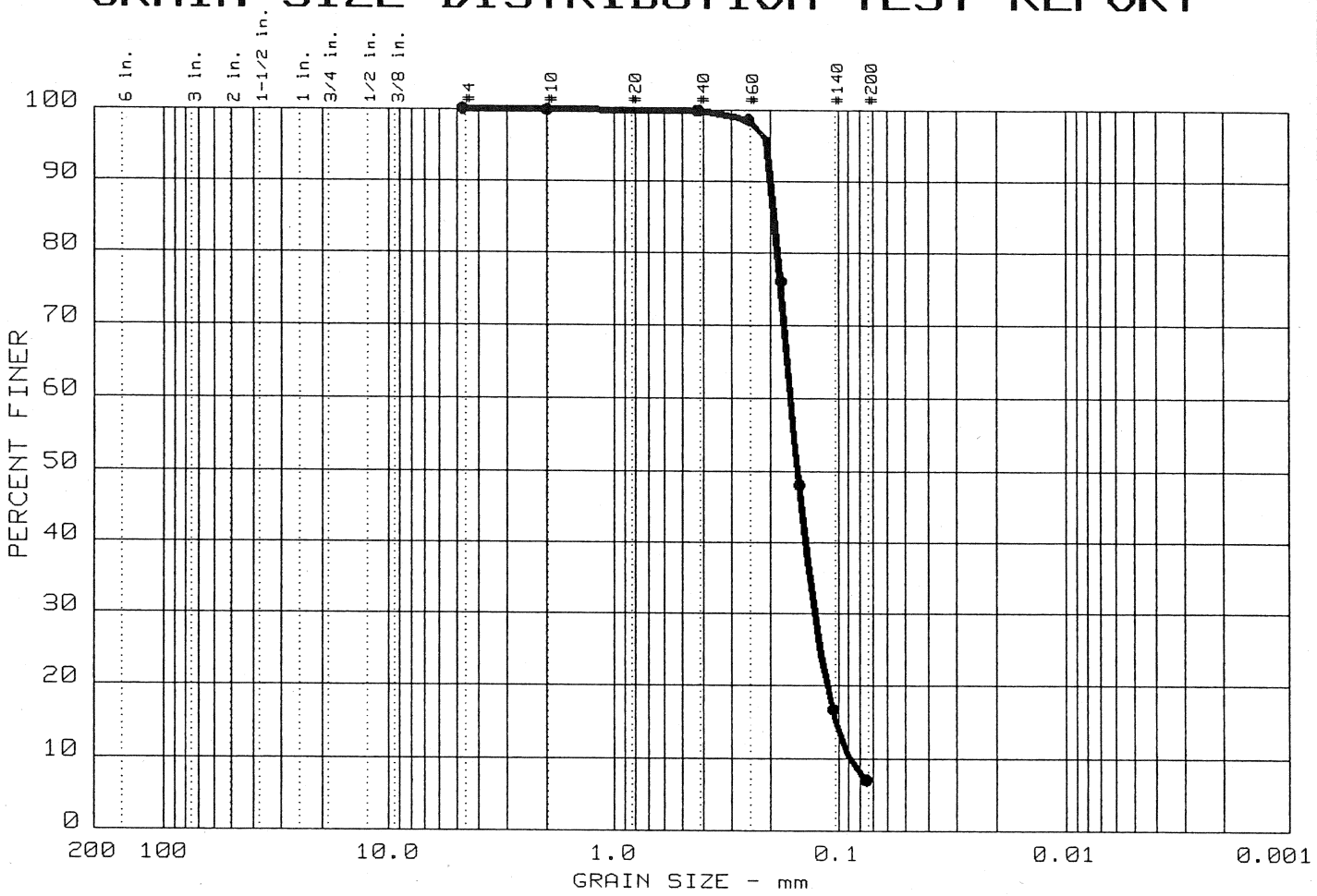
PROJECT NO. **011482**

CLIENT **BBL, Inc.**

Copies	To
1	Mr. Brian Loomis BBL, Inc. 6723 Towpath Road P.O. Box 610 Syracuse NY 13214-0066

Our reports are prepared for the exclusive use of the client and any partial or whole reproduction without the consent of the client is prohibited.

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	0.0	92.9	7.1	

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			0.191	0.163	0.152	0.127	0.102	0.0878	1.13	1.9

MATERIAL DESCRIPTION	USCS	AASHTO
● Poorly graded sand with silt	SP-SM	

Project No.: 011482
Project: GM - Flint - NAO
● Location: RFI-05-09, 9-11'

Date: 10-25-01

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Remarks:

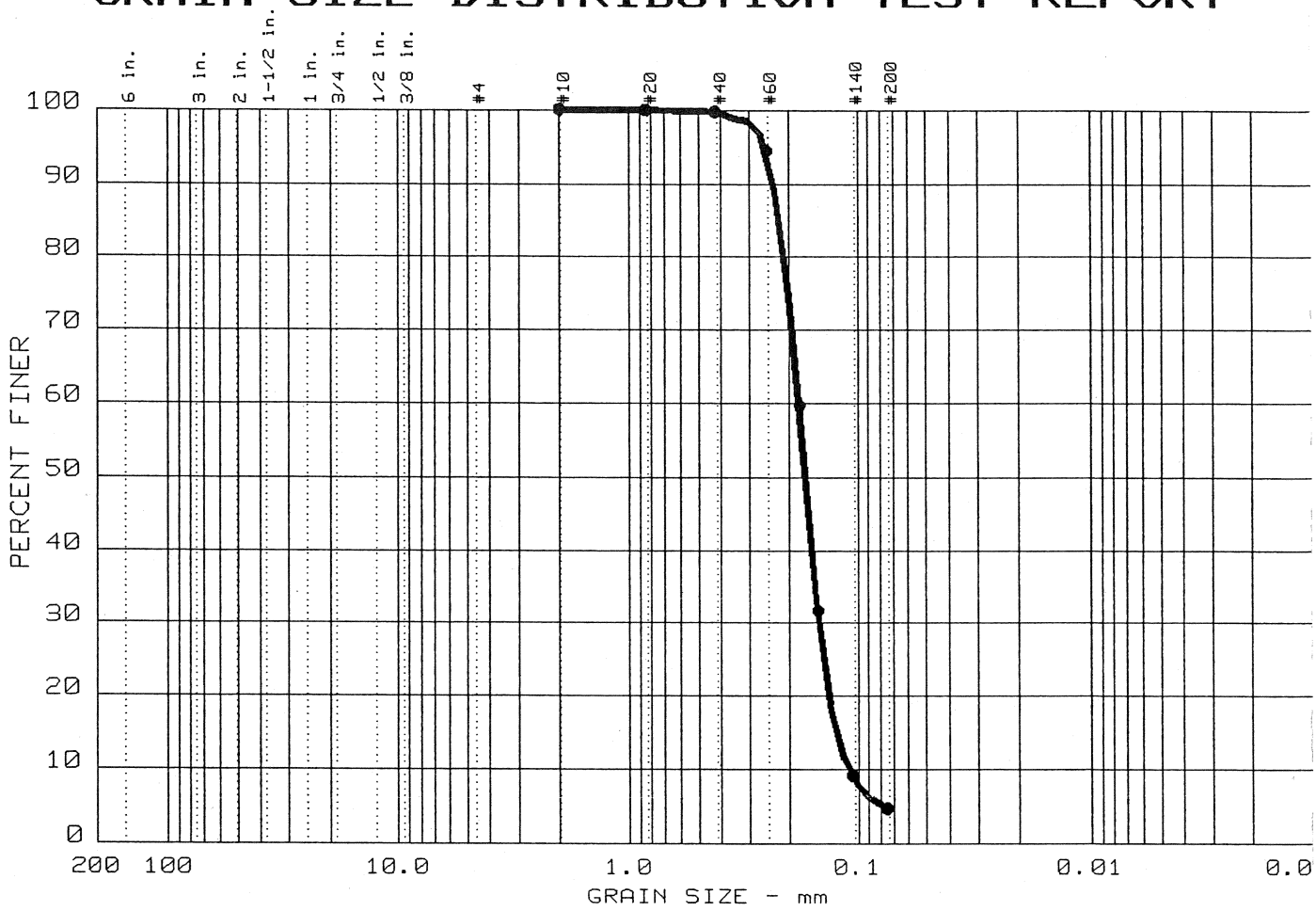
Moisture Content = 25.9%

Dry Density(PCF) = 142.8

Organic Content = 1.8%

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	0.0	95.3	4.7	

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			0.220	0.180	0.169	0.148	0.124	0.110	1.11	1.6

	MATERIAL DESCRIPTION	USCS	AASHTO
●	Poorly graded sand	SP	

Project No.: 011482
Project: GM - Flint - NAO
● Location: RFI - 05-09, 11-13'

Date: 10-26-01

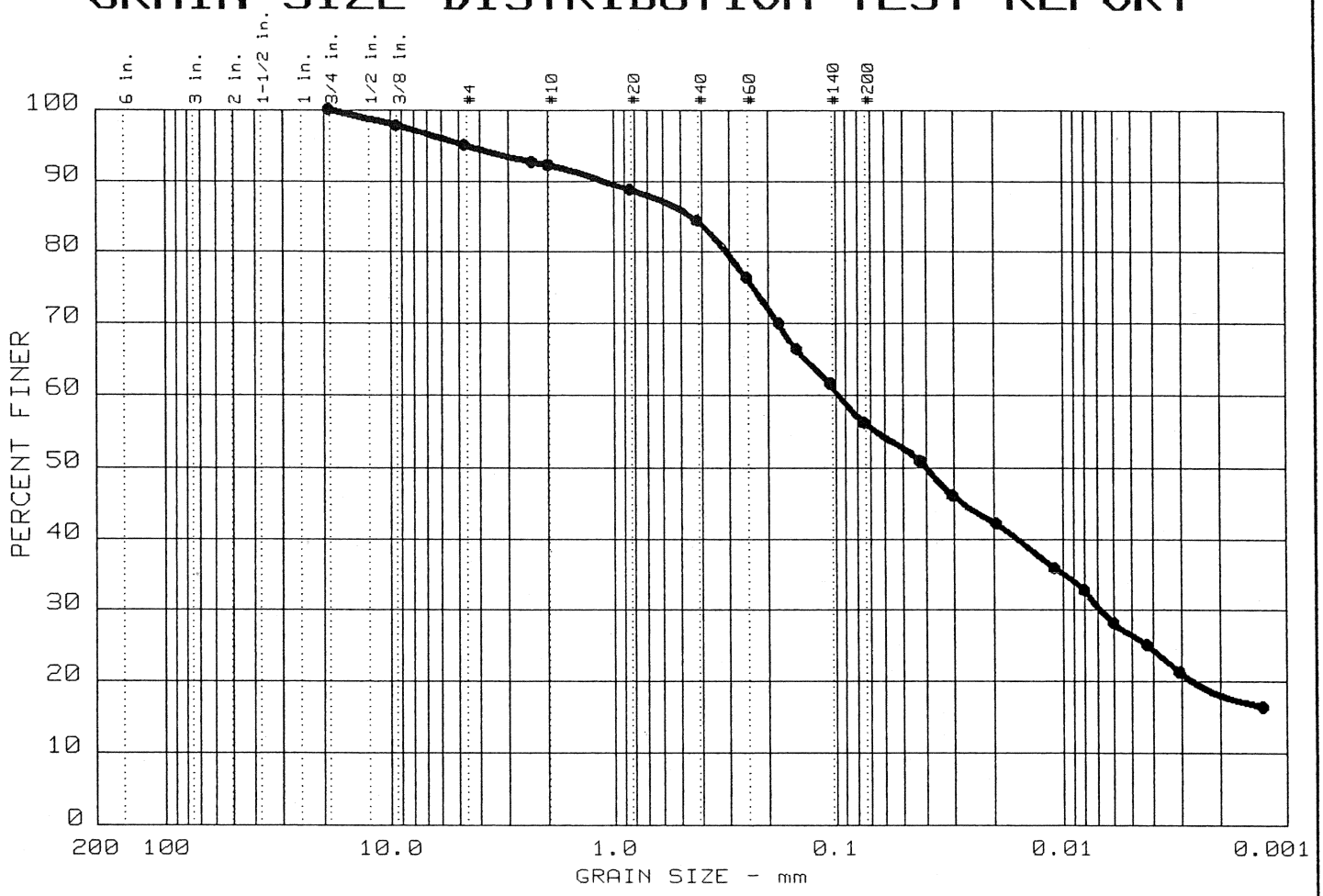
Remarks:
Moisture Content = 25.1%
Dry Density(PCF) = 108.1
Organic Content = 1.3%

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	4.9	38.9	29.9	26.3

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			0.447	0.0955	0.0394	0.0068				

MATERIAL DESCRIPTION	USCS	AASHTO
● Sandy silty clay (Assumes 4<PI<7)	CL-ML	

Project No.: 011482
Project: GM - Flint - NAO
● Location: RFI - 05-09, 27-29'

Date: 10-23-01

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Remarks:

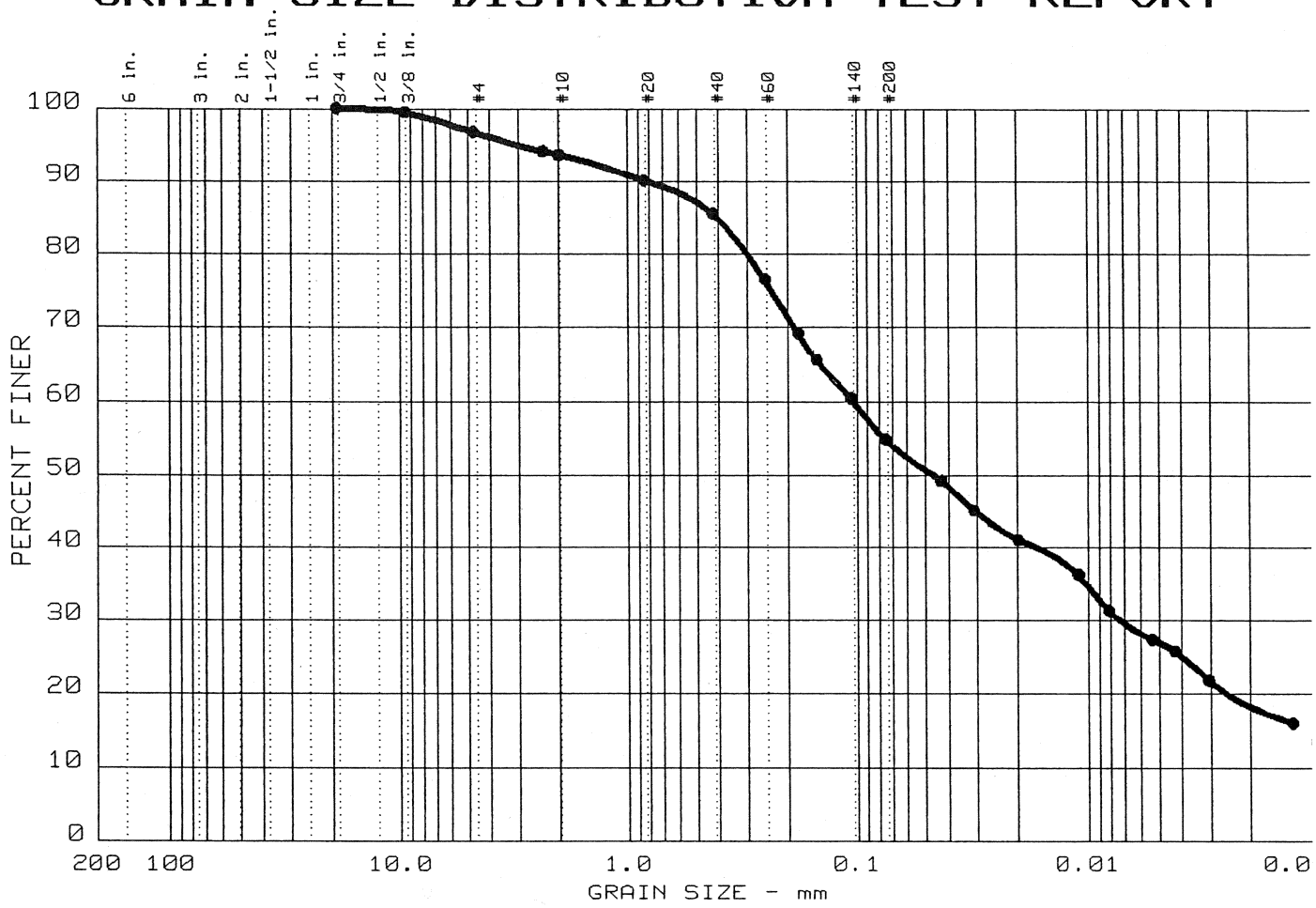
Moisture Content = 9.9%

Dry Density(PCF) = 117.4

Organic Content = 7.1%

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	3.2	42.0	27.9	26.9

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	18	7	0.407	0.102	0.0462	0.0073				

	MATERIAL DESCRIPTION	USCS	AASHTO
●	Sandy silty clay	CL-ML	

Project No.: 011482
Project: GM - Flint - NAO
● Location: RFI - 05-09, 31-33'

Date: 10-23-01

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Remarks:

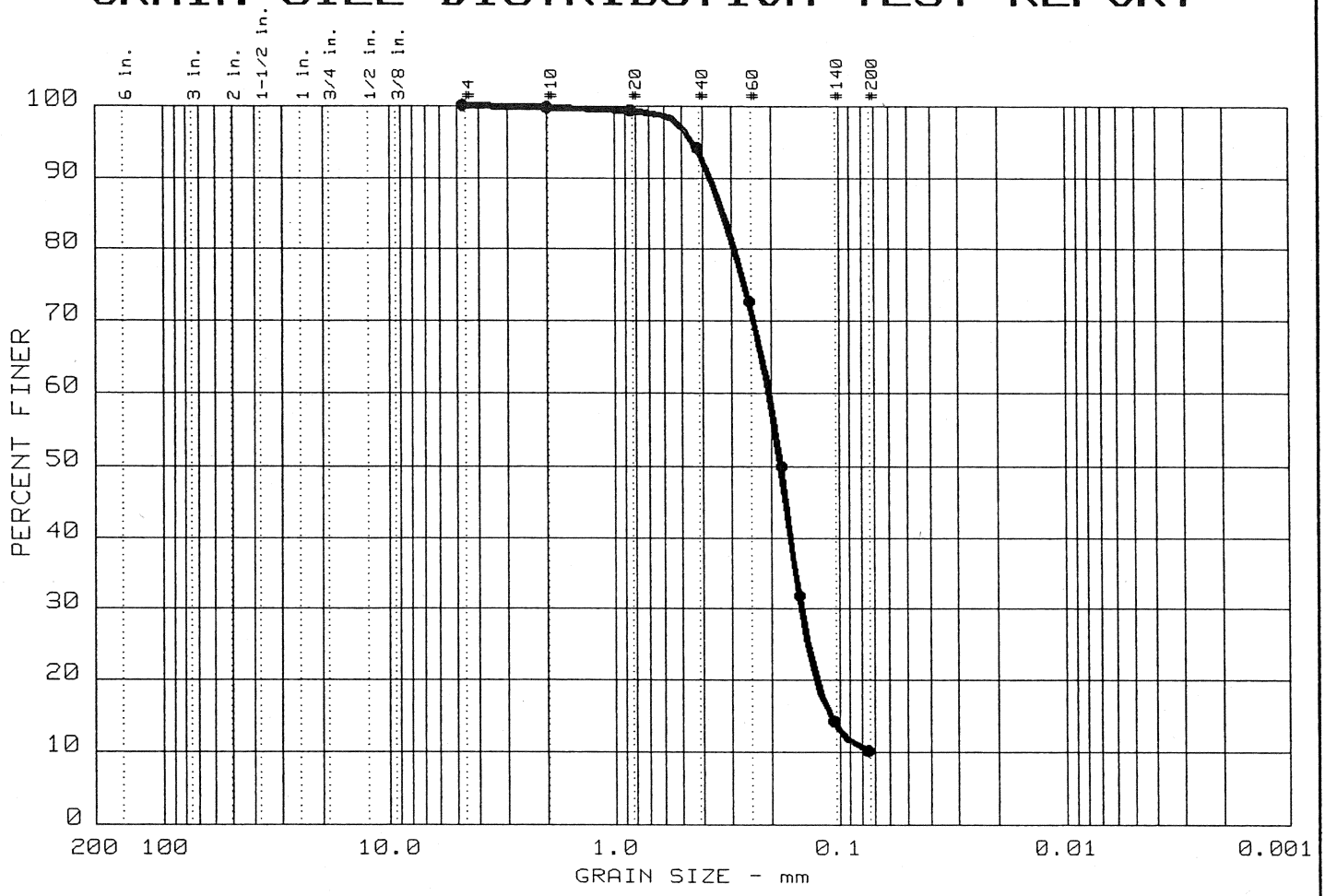
Moisture Content = 8.9%

Dry Density(PCF) = 136.0

Organic Content = 5.2%

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	0.0	89.8	10.2	

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			0.324	0.203	0.180	0.147	0.109			

MATERIAL DESCRIPTION	USCS	AASHTO
● Poorly graded sand with silt	SP-SM	

Project No.: 011482
Project: GM - Flint - NAO
● Location: RFI - 36-01, 22.2-23'

Date: 10-23-01

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Remarks:

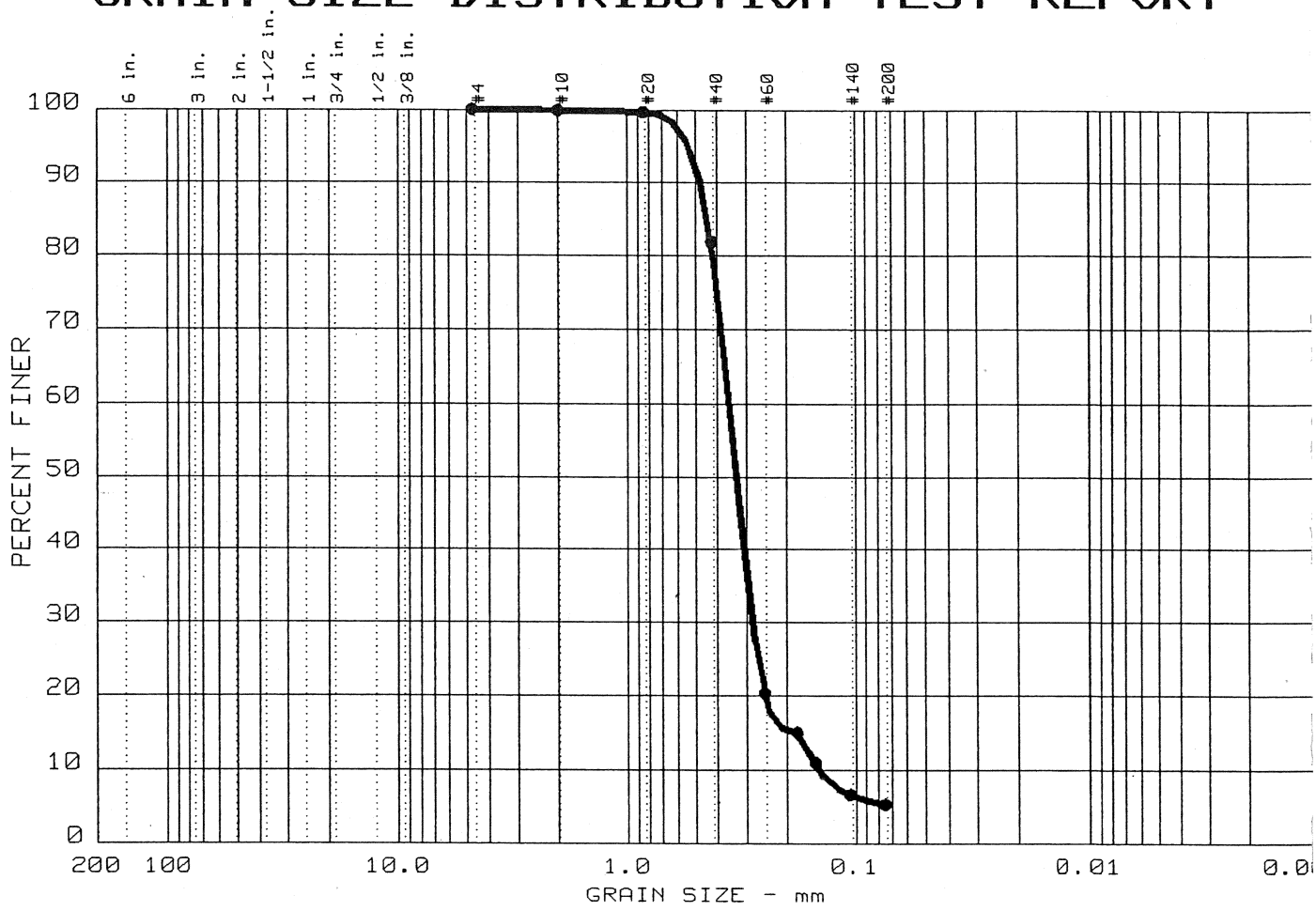
Moisture Content = 19.6%

Dry Density(PCF) = 80.9

Organic Content = 4.4%

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	0.0	94.6	5.4	

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			0.441	0.354	0.329	0.280	0.179	0.143	1.55	2.5

MATERIAL DESCRIPTION	USCS	AASHTO
● Poorly graded sand with silt	SP-SM	

Project No.: 011482
Project: GM - Flint - NAO
● Location: RFI-36-01, 23-24'

Date: 10-25-01

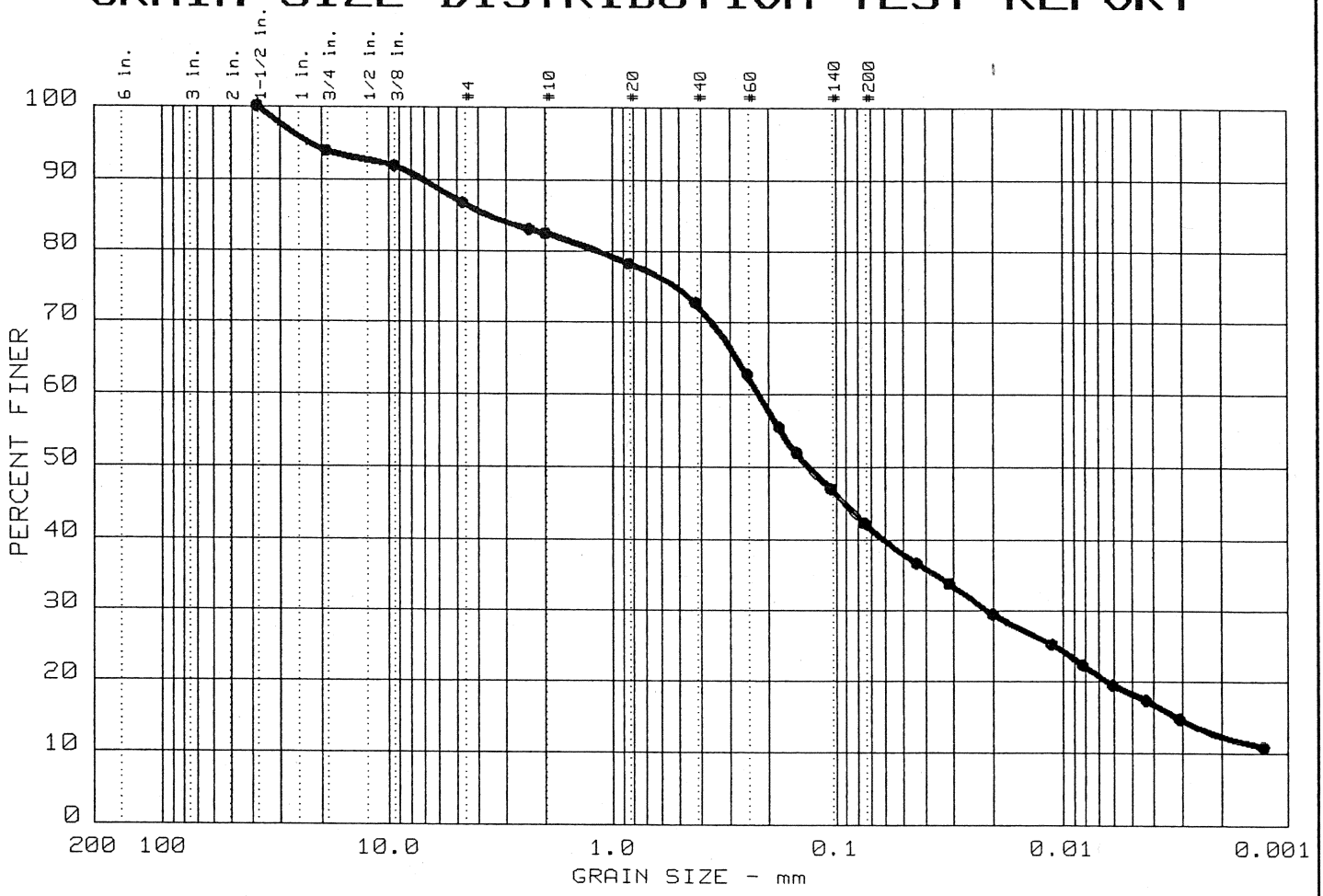
Remarks:
Moisture Content = 23.7%
Dry Density(PCF) = 125.1
Organic Content = 3.9%

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	13.3	44.4	24.1	18.2

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	16	6	3.63	0.221	0.132	0.0214	0.0032			

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty, clayey sand	SC-SM	

Project No.: 011482
Project: GM - Flint - NAO
● Location: RFI-36-01, 41-42'

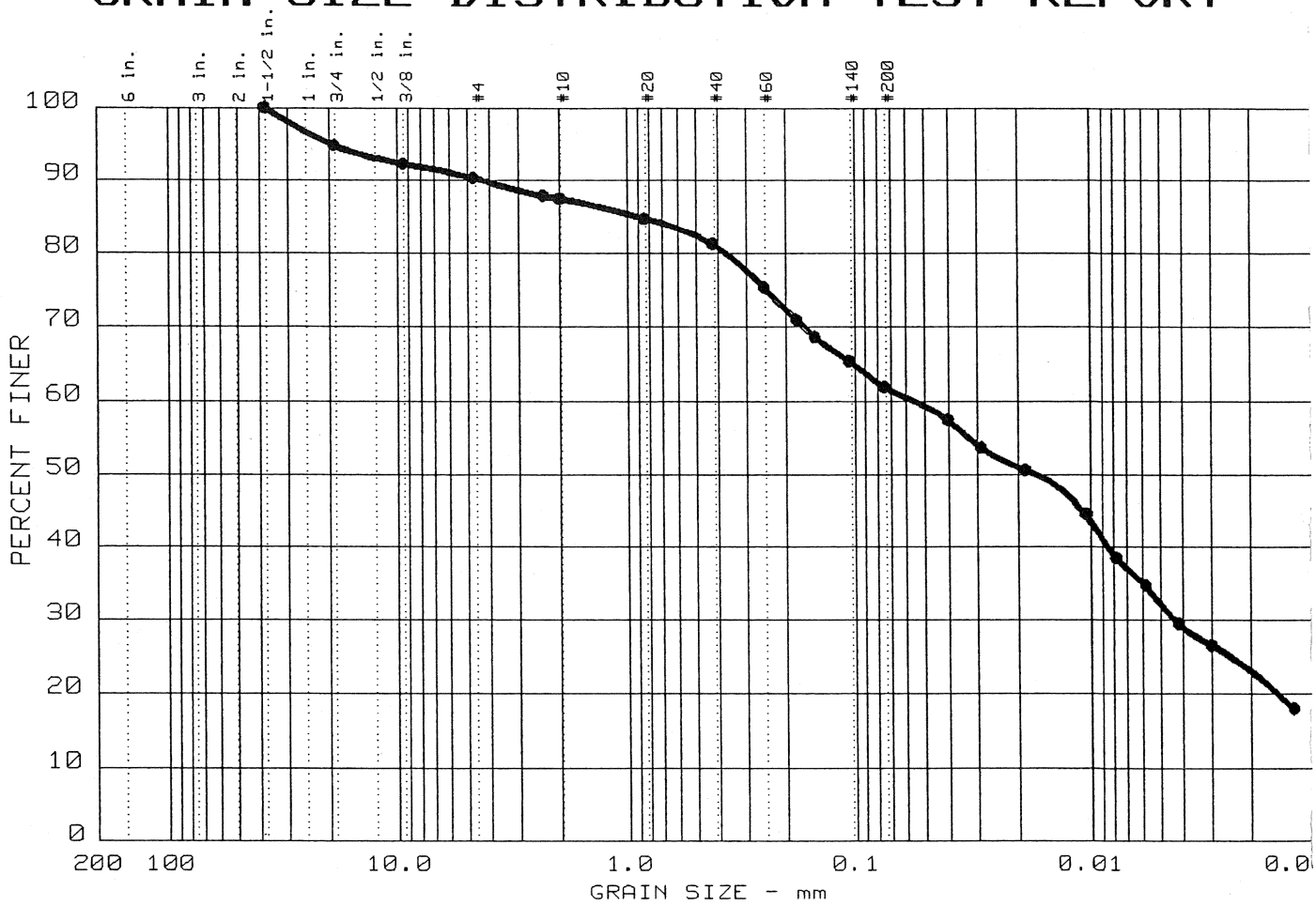
Date: 10-25-01

Remarks:
Moisture Content = 11.7%
Dry Density(PCF) = 111.5
Organic Content = 3.7%

GRAIN SIZE DISTRIBUTION TEST REPORT
MATERIALS TESTING CONSULTANTS

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	9.8	28.3	29.6	32.3

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	21	9	0.944		0.0166	0.0043				

MATERIAL DESCRIPTION	USCS	AASHTO
● Lean clay with sand	CL	

Project No.: 011482
Project: GM - Flint - NAO
● Location: RFI - 07-08, 21.5-23.5'

Date: 10-23-01

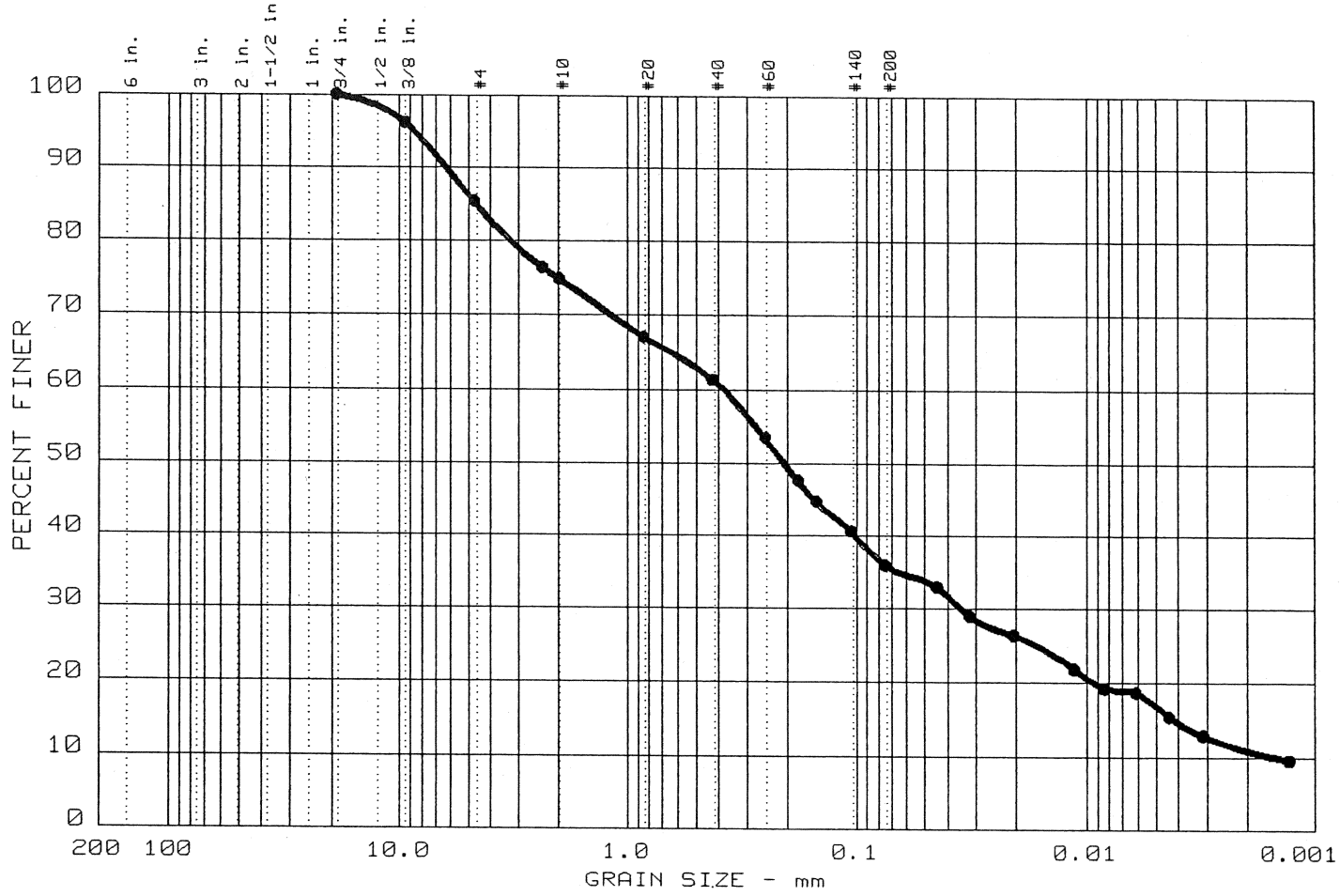
Remarks:
Moisture Content = 11.4%
Dry Density(PCF) = 111.8
Organic Content = 8.3%

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	14.7	49.5	19.0	16.8

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			4.62	0.376	0.204	0.0347	0.0042	0.0015	2.14	251.2

	MATERIAL DESCRIPTION	USCS	AASHTO
●	Silty sand (Assumes PI<4)	SM	

Project No.: 011482
Project: GM - Flint - NAO
● Location: RFI - 07-08, 23.5-25.5'

Date: 10-23-01

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Remarks:

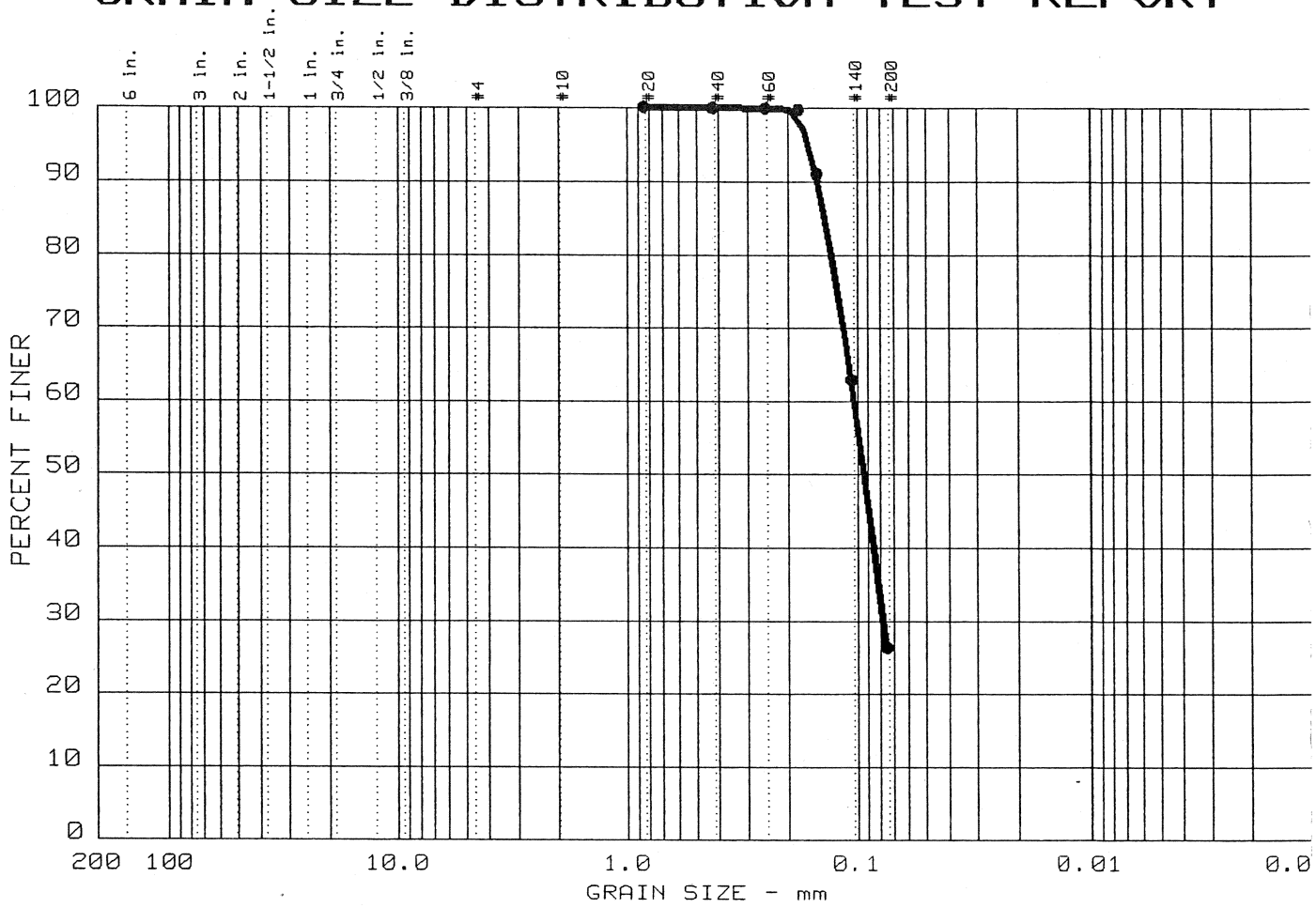
Moisture Content = 10.5%

Dry Density(PCF) = 64.6

Organic Content = 5.9%

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	0.0	73.6	26.4	

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			0.137	0.103	0.0933	0.0774				

	MATERIAL DESCRIPTION	USCS	AASHTO
●	Silty sand	SM	

Project No.: 011482
Project: GM - Flint - NAO
● Location: RFI - 55-01, 12.5-14.5'

Date: 10-23-01

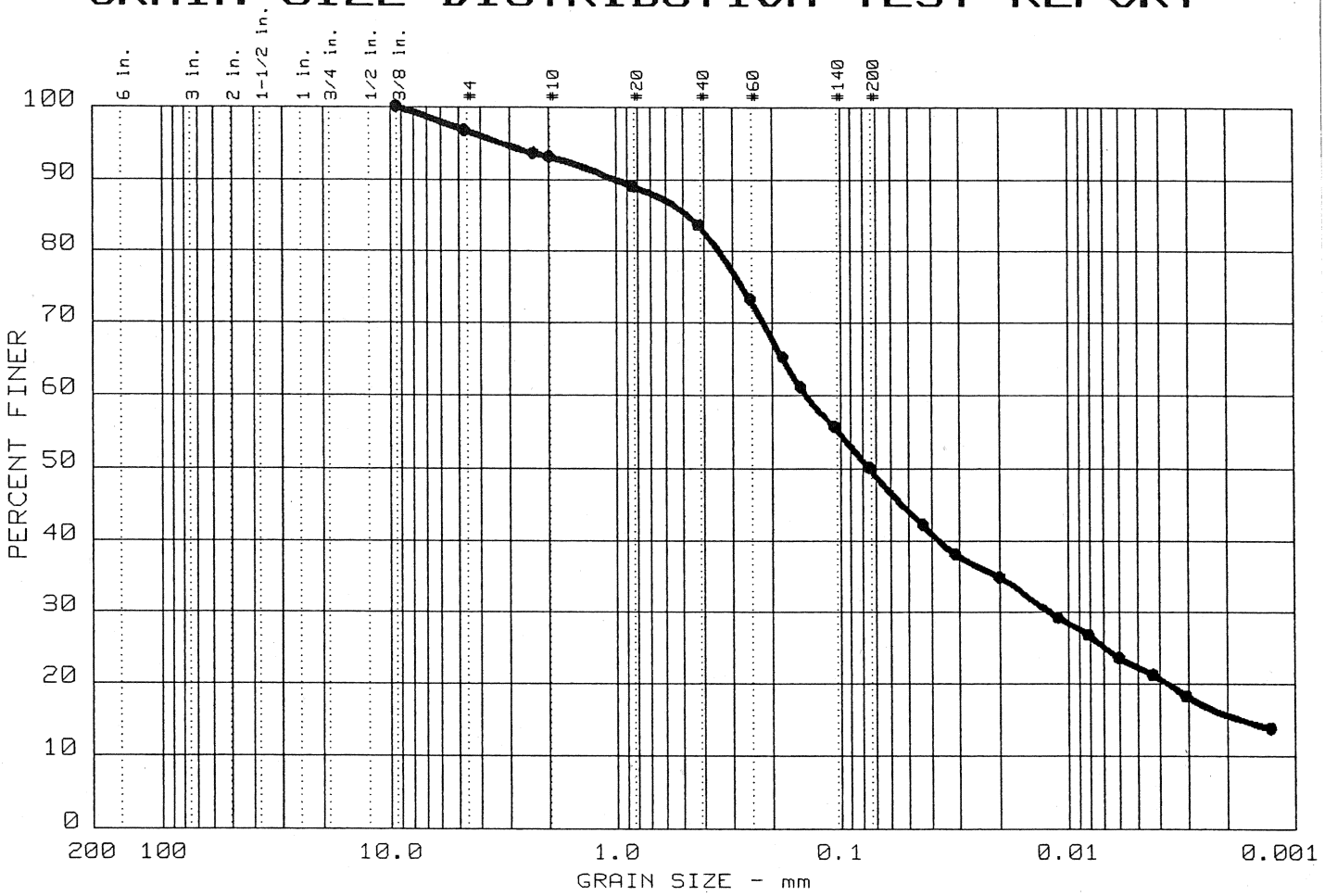
Remarks:
Moisture Content = 21.7%
Dry Density(PCF) = 96.5
Organic Content = 3.0%

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	3.2	46.7	27.9	22.2

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	18	7	0.473	0.141	0.0741	0.0122	0.0017			

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty clay with sand	CL-ML	

Project No.: 011482
Project: GM - Flint - NAO
● Location: RFI-55-01, 35-36'

Date: 10-25-01

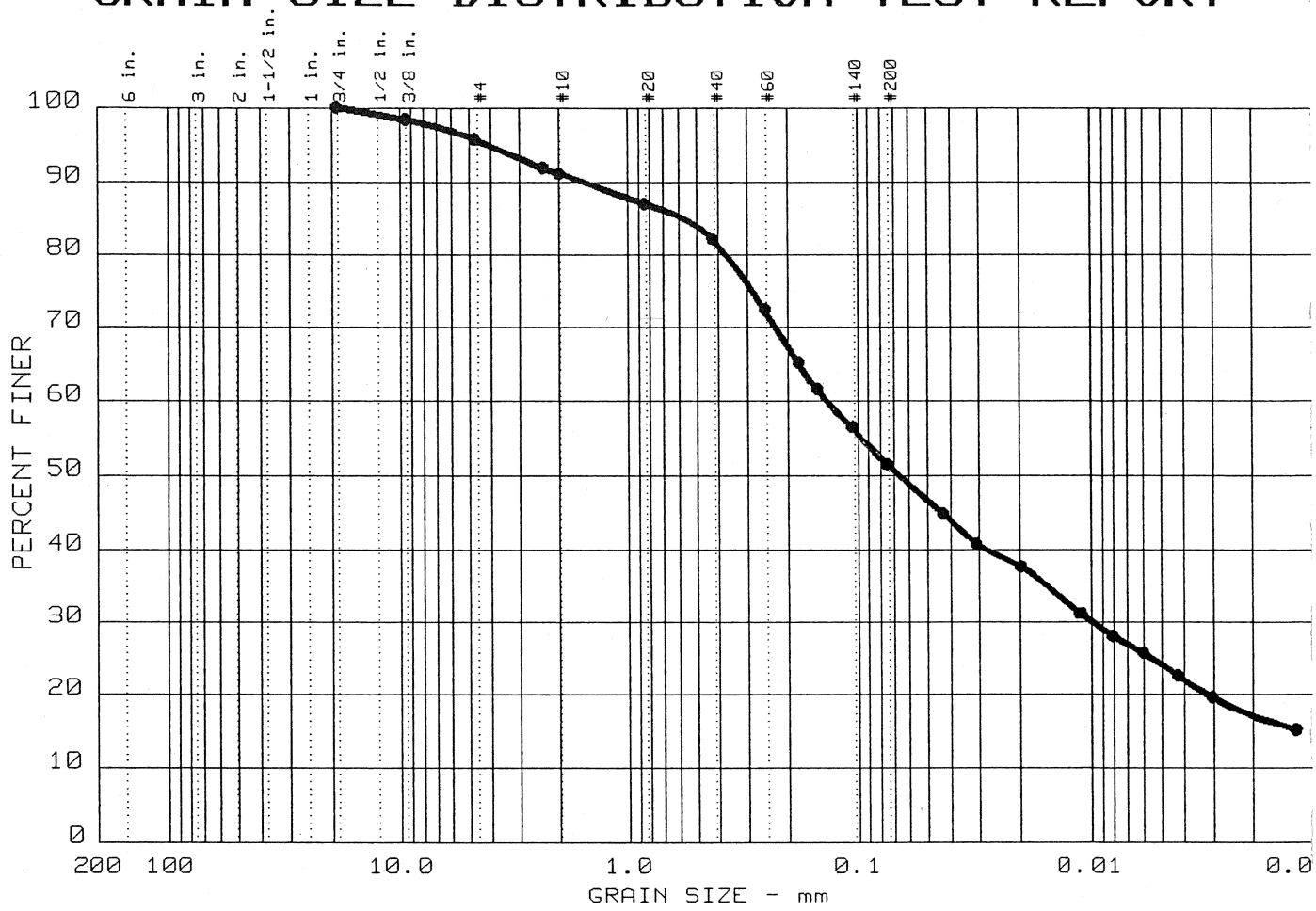
Remarks:
Moisture Content = 8.1%
Dry Density(PCF) = 83.3
Organic Content = 4.6%

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	4.3	44.3	27.4	24.0

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			0.575	0.136	0.0668	0.0099				

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty clay with sand (Assumes 4<PI<7)	CL-ML	

Project No.: 011482
Project: GM - Flint - NAO
● Location: RFI-55-01, 36-37'

Date: 10-25-01

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Remarks:

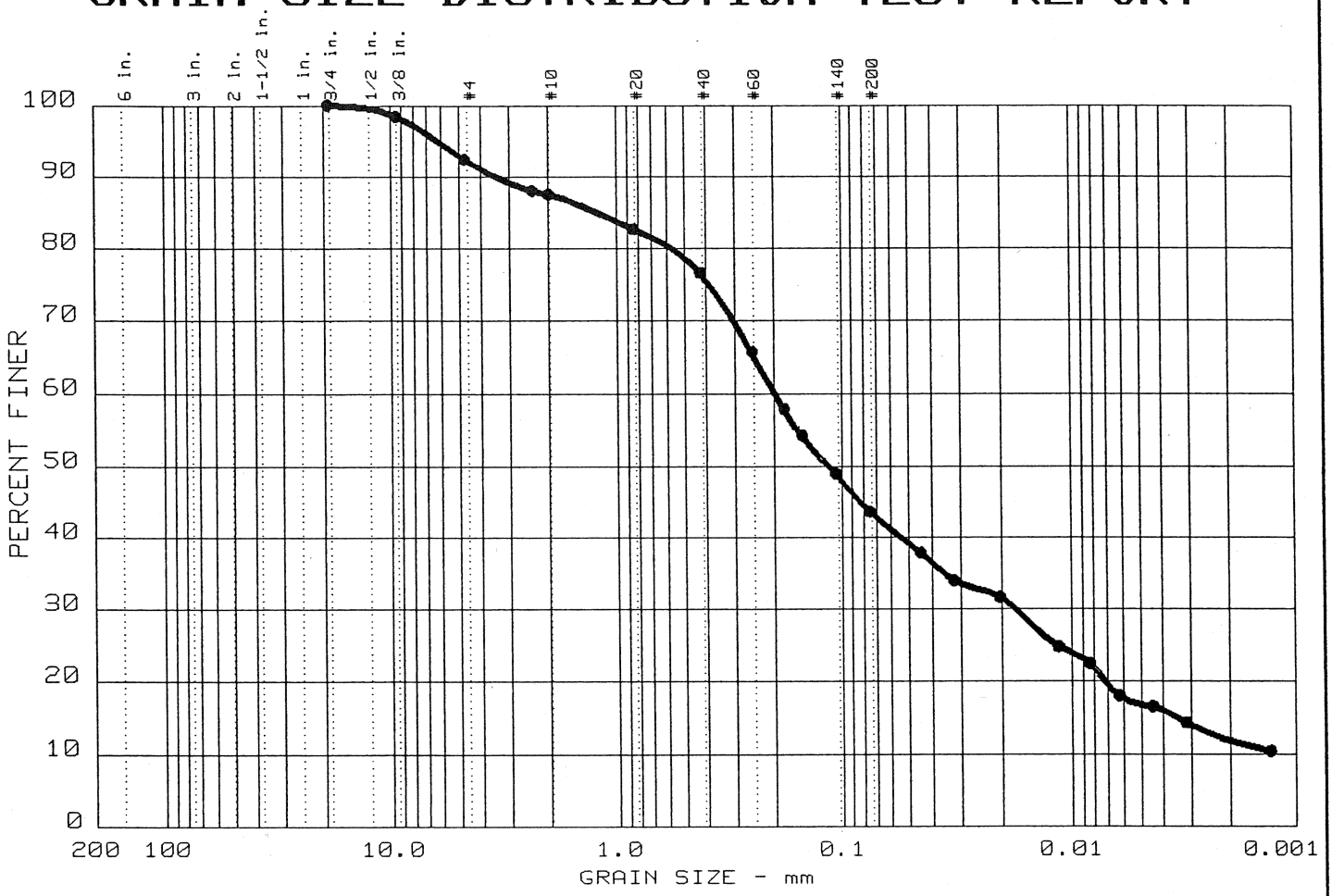
Moisture Content = 8.2%

Dry Density(PCF) = 106.7

Organic Content = 5.3%

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	7.6	48.8	26.8	16.8

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			1.23	0.197	0.114	0.0174	0.0034			

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty sand (Assumes PI<4)	SM	

Project No.: 011482
Project: GM - Flint - NAO
● Location: RFI - 36-01, 38.5-39.5'

Date: 10-23-01

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Remarks:

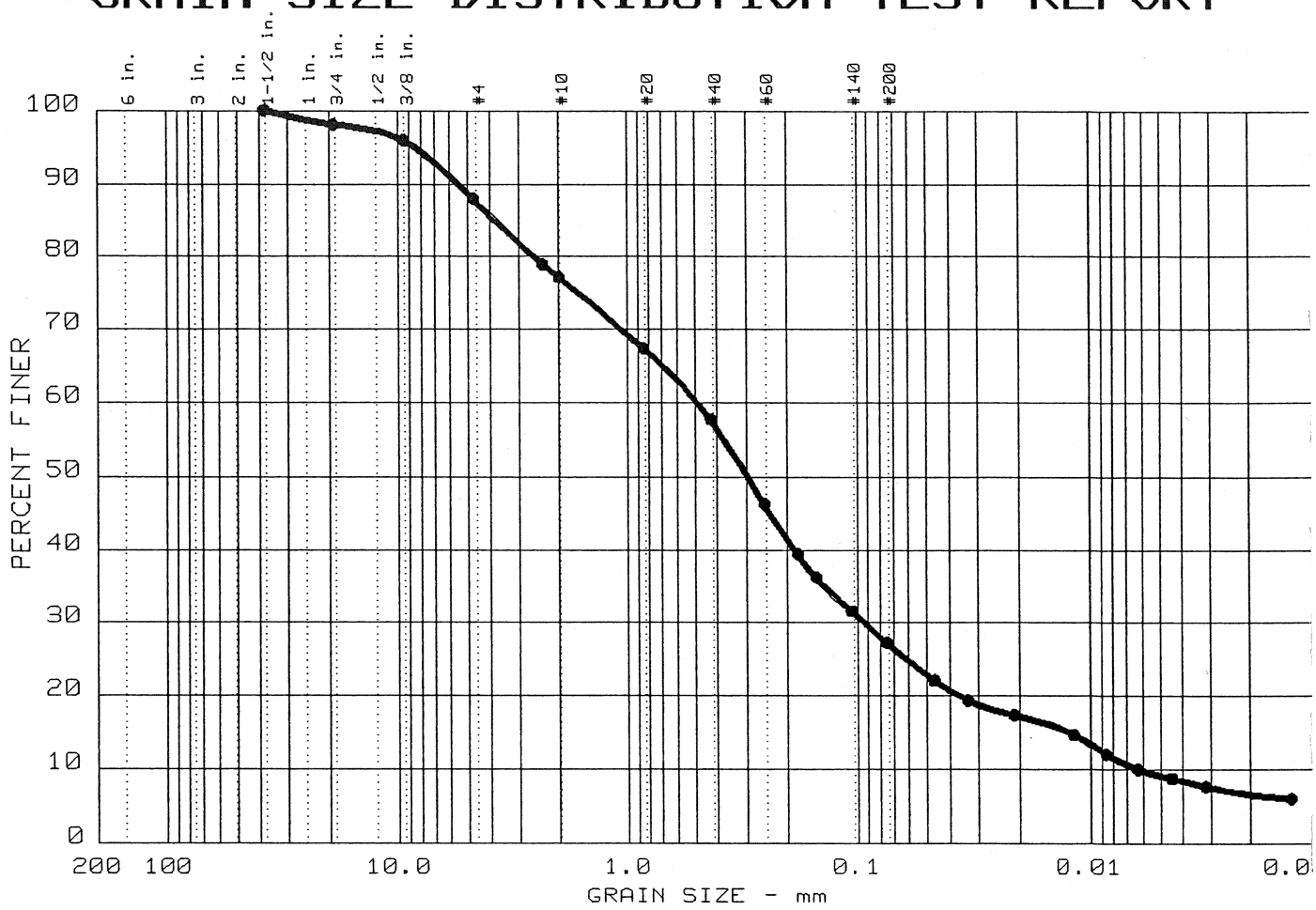
Moisture Content = 9.1%

Dry Density(PCF) = 119.5

Organic Content = 5.7%

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	12.1	60.8	18.1	9.0

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			3.85	0.484	0.292	0.0933	0.0122	0.0063	2.85	76.7

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty, clayey sand (Assumes 4<PI<7)	SM	

Project No.: 011482
Project: GM - Flint - NAO
● Location: RFI-94-02, 14-16'

Date: 10-25-01

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Remarks:

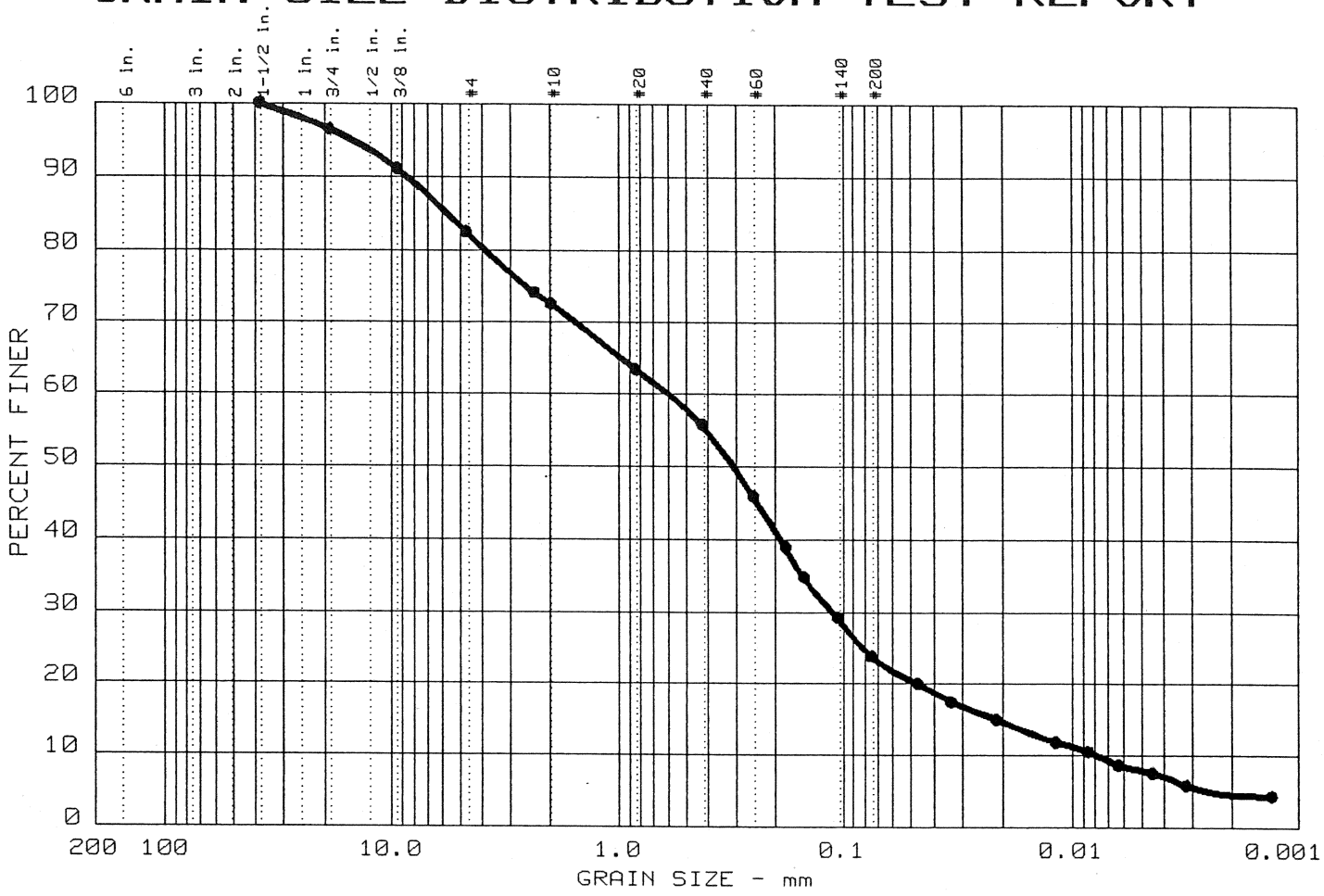
Moisture Content = 8.6%

Dry Density(PCF) = 138.1

Organic Content = 7.9%

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	17.5	58.6	16.0	7.9

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			5.75	0.596	0.305	0.110	0.0216	0.0077	2.63	77.6

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty sand (Assumes PI<4)	SM	

Project No.: 011482
Project: GM - Flint - NAO
● Location: RFI-94-02, 15.5-17.5'

Date: 10-25-01

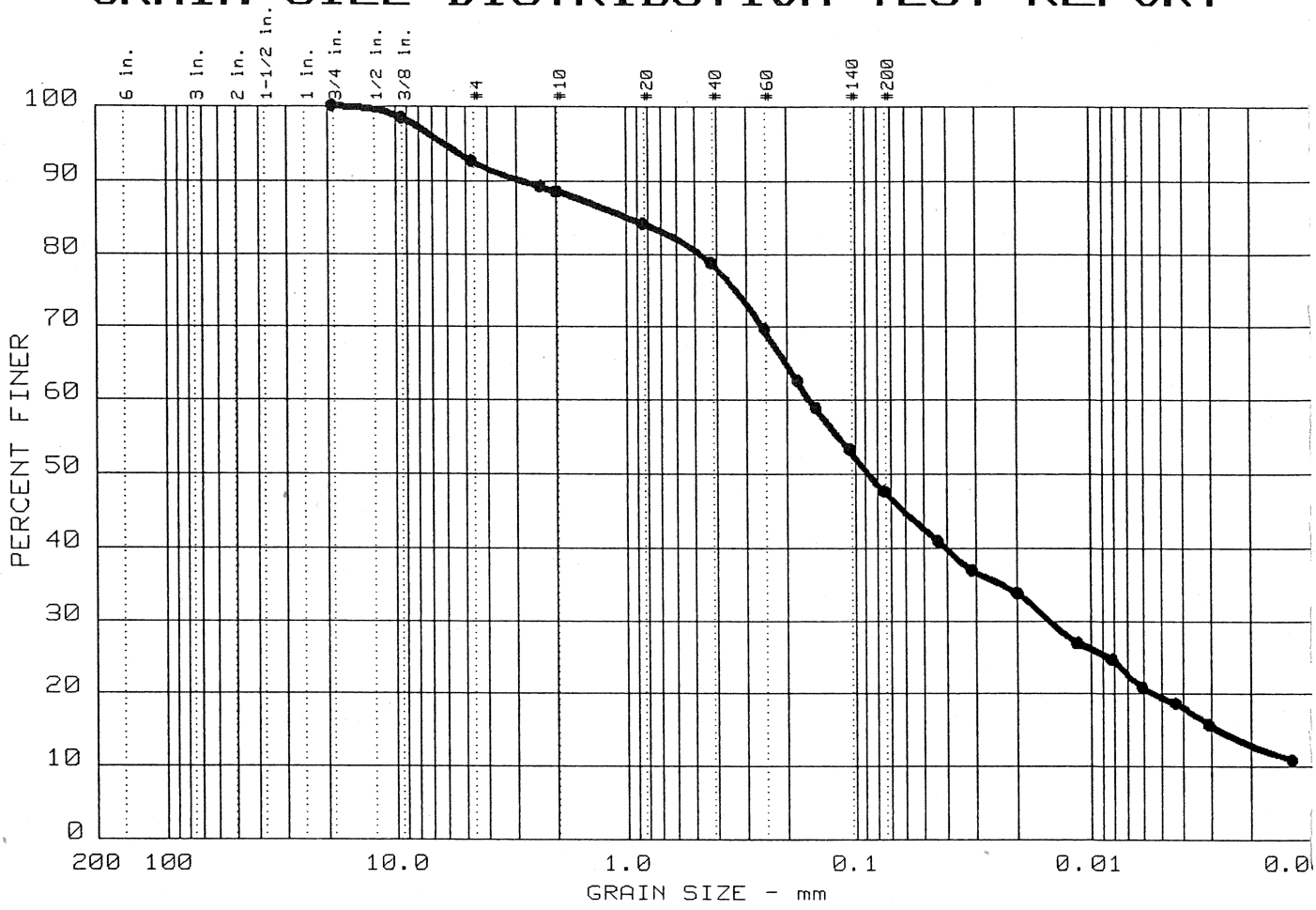
Remarks:
Moisture Content = 7.6 %
Dry Density(PCF) = 146.7
Organic Content = 8.0%

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	7.4	45.0	28.2	19.4

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			0.989	0.158	0.0871	0.0146	0.0028			

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty sand (Assumes PI<4)	SM	

Project No.: 011482
Project: GM - Flint - NAO
● Location: RFI-94-02, 17.5-18.5'

Date: 10-25-01

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Remarks:

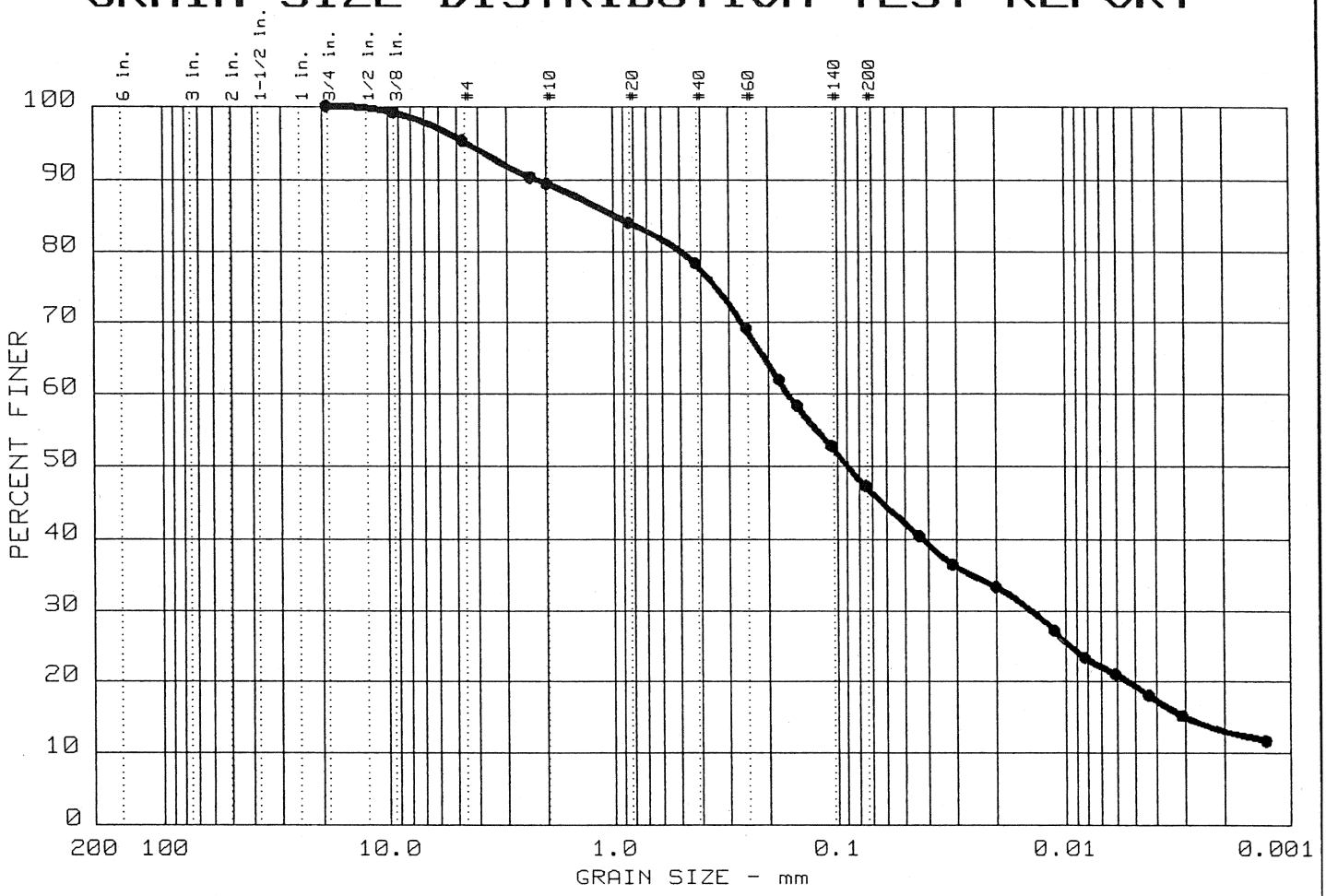
Moisture Content = 6.4%

Dry Density(PCF) = 102.9

Organic Content = 4.4%

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST REPORT



	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	4.7	48.1	28.0	19.2

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●	15	6	0.977	0.164	0.0890	0.0139	0.0030			

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty, clayey sand	SC-SM	

Project No.: 011482

Project: GM - Flint - NAO

● Location: RFI-94-02, 18-20'

Date: 10-25-01

Remarks:

Moisture Content = 7.3%

Dry Density(PCF) = 166.6

Organic Content = 5.2%

GRAIN SIZE DISTRIBUTION TEST REPORT

MATERIALS TESTING CONSULTANTS

Fig. No.: _____

Sample ID's for GM-Flint Intervals-Geotech Parameters

Interval on Chain	Single Interval/Sample ID	Lithology	Type of Sample
RFI-94-02 (17.5-17.8)	**RFI-94-02 (18-20)**	Clay	Shelby
RFI-94-02 (17.5-17.5)	**RFI-94-02 (18-20)**	Clay	Shelby
RFI-94-02 (18-20)	**RFI-94-02 (18-20)**	Clay	Bagged
RFI-94-02 (17.5-18.5)	**RFI-94-02 (18-20)**	Clay	Bagged
RFI-94-02 (14-16)	**RFI-94-02 (14-17)**	Sand	Bagged
RFI-94-02 (15.5-17.5)	**RFI-94-02 (14-17)**	Sand	Bagged
RFI-55-01 (8.5-10.5)	**RFI-55-01 (10-14)**	Sand	Shelby
RFI-55-01 (12.5-14.5)	**RFI-55-01 (10-14)**	Sand	Bagged
RFI-55-01 (12.5-14.5)	**RFI-55-01 (10-14)**	Sand	Jarred
RFI-55-01 (36-37)	**RFI-55-01 (35-37)**	Clay	Shelby
RFI-55-01 (35-36)	**RFI-55-01 (35-37)**	Clay	Bagged
RFI-55-01 (36-37)	**RFI-55-01 (35-37)**	Clay	Bagged
RFI-55-01 (35-36)	**RFI-55-01 (35-37)**	Clay	Jarred
RFI-55-01 (36-37)	**RFI-55-01 (35-37)**	Clay	Jarred
RFI-36-01 (20.0-22.0)	**RFI-36-01 (20-24)**	Sand	Shelby
RFI-36-01 (22.2-23)	**RFI-36-01 (20-24)**	Sand	Bagged
RFI-36-01 (23-24)	**RFI-36-01 (20-24)**	Sand	Bagged
RFI-36-01 (38.5-39.5)	**RFI-36-01 (39-42)**	Clay	Bagged
RFI-36-01 (40.0-40.5)	**RFI-36-01 (39-42)**	Clay	Shelby
RFI-36-01 (41-42)	**RFI-36-01 (39-42)**	Clay	Bagged
RFI-05-09 (11-13)	**RFI-05-09 (9-13)**	Sand	Bagged
RFI-05-09 (9-11)	**RFI-05-09 (9-13)**	Sand	Jarred
RFI-05-09 (31-33)	**RFI-05-09 (27-33)**	Clay	Bagged
RFI-05-09 (27-29)	**RFI-05-09 (27-33)**	Clay	Bagged
RFI-05-09 (31-33)	**RFI-05-09 (27-33)**	Clay	Jarred
RFI-05-09 (27-29)	**RFI-05-09 (27-33)**	Clay	Jarred
RFI-05-09 (31-33)	**RFI-05-09 (27-33)**	Clay	Jarred
RFI-07-08 (21.5-23.5)	**RFI-07-08 (22-26)**	Clay	Bagged
RFI-07-08 (21.5-23.5)	**RFI-07-08 (22-26)**	Clay	Jarred
RFI-07-08 (23.5-25.5)	**RFI-07-08 (22-26)**	Clay	Jarred

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists
6723 Towpath Road, P.O. Box 66
Syracuse, New York 13214-0066
TEL: (315) 446-9120

CHAIN OF CUSTODY RECORD

12.5.03
Invoice 025

PROJ. NO. AA10.022 | PROJECT NAME GM-FLINT - NAU - Geotech

SAMPLERS: (Signature) [signature] (SMD)

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	Number of Containers	Geotech Parameters	REMARKS
05-09	08/02	—		X	REI-05-09-(31-33)	1	X	Jarred clay - unable to collect [illegible]
55-01	8/3	08/[illegible]/01		X	REI-55-01-(35-36)	1	X	Jarred clay - water entered jar
55-01	8/3	08/03/01		X	REI-55-01-(36-37)	1	X	Jarred clay - No water in jar
								X will follow up with parameters to be analyzed.

Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	Relinquished by: (Signature)	DATE	TIME	Relinquished by: (Signature)
[signature]	09/21/01	0900					
Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	Relinquished by: (Signature)	DATE	TIME	Relinquished by: (Signature)
			[signature]				
Relinquished by: (Signature)	DATE	TIME	Received for Laboratory by: (Signature)	DATE	TIME	Remarks:	

10/23/95
5951188L.CDR

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

From: Leanne Sanders 413-445-9250 To: Ray Wagner
APR-30-2002 09:54 BBL SYR BLUEPRINT 315 449 0025 P.03
Date: 4/30/2002 Time: 10:35:04 AM
Page 3 of 5

BL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

6723 Towpath Road, P.O. Box 66
Syracuse, New York 13214-0066
TEL: (315) 446-9120

CHAIN OF CUSTODY RECORD

PROJ. NO. 44.0122 | PROJECT NAME Geotech Testing - GM-FUNT-NAO

SAMPLERS: (Signature) Summerhead (SMD)

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	Number of Containers	Geotech Recommended	REMARKS
36-01	08/21/01	-		X	REF-36-01-(23-24)	1	X	BAGGED - SAND
55-01	08/03/01	-		X	REF-55-01-(35-36)	1	X	" - CLAY
"	↓	-		X	REF-55-01-(36-37)	1	X	" "
05-09	08/03/01	-		X	REF-05-09-(11-13)	1	X	" - SAND - Unable to collect Sh/Dy
"	"	-		X	REF-05-09-(31-33)	1	X	" - CLAY "
55-01	08/03/01	-		X	REF-55-01-(12.5-14.5)	1	X	" - SAND
05-09	08/02/01	-		X	REF-05-09-(27-29)	1	X	" - CLAY - Unable to collect Sh
07-08	7/30/01	-		X	REF-07-08-(21.5-23.5)	1	X	" " "
↓	↓	-		X	REF-07-08-(23.5-25.5)	1	X	Jarred - clay - Unable to collect Sh
↓	↓	-		X	REF-07-08-(21.5-23.5)	1	X	" "
55-01	08/03	-		X	REF-55-01-(12.5-14.5)	1	X	" - sand
05-09	08/02	-		X	REF-05-09-(09-11)	1	X	" - sand - Unable to collect Sh
↓	↓	-		X	REF-05-09-(31-33)	1	X	" - clay - "
↓	↓	-		X	REF-05-09-(27-29)	1	X	" " "

Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	Relinquished by: (Signature)	DATE	TIME	Relinquished by: (Signature)
Summerhead	09/21/01	0900					
Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	Relinquished by: (Signature)	DATE	TIME	Relinquished by: (Signature)
Relinquished by: (Signature)	DATE	TIME	Received for Laboratory by: (Signature)	DATE	TIME	Remarks:	

10/23/95

From: Leanne Sanders 413-445-9250 To: Ray Wagner
APR-30-2002 09:55 BBL SYR BLUEPRINT 315 449 0025 P.04
Date: 4/30/2002 Time: 10:35:04 AM
Page 4 c

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists
6723 Towpath Road, P.O. Box 66
Syracuse, New York 13214-0066
TEL: (315) 446-9120

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
1441 10122	Geotech Testing - GM - FLINT - NJO

SAMPLERS: *(Signature)*
SM Tammaro (SMT)

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	Number of Containers	Geotech Tests Needed	REMARKS
94	08/30/01			X	REF-94-12-(12.5-19.5)	1		
↓	↓	—		X	REF-94-02-(17.5-17.8)	1	1	Shelby Tube
↓	↓	—		X	REF-94-02-(17.5-17.5)	1	1	" "
55-01	08/30/01	—		X	REF-55-01-(8.5-10.5)	1	1	" "
36-01	08/31/01	—		X	REF-36-01-(40.0-40.5)	1	1	" "
"	"	—		X	REF-36-01-(20.0-22.0)	1	1	" "
55	08/30/01	—		X	REF-55-01-(36-37')	1	1	" "
REF 94	08/30/01	—		X	REF-94-02-(18-20')	1	X	Bagged - CLAY
↓	↓	—		X	REF-94-02-(15.5-17.5)	1	X	" - SAND
↓	↓	—		X	REF-94-02-(17.5-15.5)	1	X	" - CLAY
↓	↓	—		X	REF-94-02-(10-16')	1	X	" - SAND
36-01	08/21/01	—		X	REF-36-01-(38.5-39.5)	1	X	" - CLAY
↓	↓	—		X	REF-36-01-(41-42)	1	X	" "
↓	↓	—		X	REF-36-01-(22-23)	1	X	" - SAND

Relinquished by: *(Signature)*	DATE	TIME	Received by: *(Signature)*	Relinquished by: *(Signature)*	DATE	TIME	Relinquished by: *(Signature)*
Samantha Tammaro	09/21/01	0900					
Relinquished by: *(Signature)*	**DATE**	**TIME**	**Received by:** *(Signature)*	**Relinquished by:** *(Signature)*	**DATE**	**TIME**	**Relinquished by:** *(Signature)*
Relinquished by: *(Signature)*	**DATE**	**TIME**	**Received for Laboratory by:** *(Signature)*	**DATE**	**TIME**	**Remarks:**	

10/23/95
5951188L.CDR

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

From: Leanne Sanders 413-445-9250 To: Ray Wagner
APR-30-2002 09:56 BBL SYR BLUEPRINT 315 449 0025 P.05
Date: 4/30/2002 Time: 10:35:04 AM
Page 5 of 5
TOTAL P.05

****
*** RX REPORT ***
****

RECEPTION OK

TX/RX NO	6838
CONNECTION TEL	
SUBADDRESS	
CONNECTION ID	
ST. TIME	04/30 10:34
USAGE T	04'01
PGS.	5
RESULT	OK

Appendix C

Soil Analytical Data

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	20-101R	20-101R	20-105R	20-105R	40-303R	40-303R	40-303R	40-4R	40-4R	40-4R
Sample Depth(feet):	0-1.2	7-9	1-3	7-9	1-3	27-29	8-10	1-3	13-15	15-17
Date Collected:	11/05/01	11/05/01	11/21/01	11/21/01	11/12/01	11/12/01	11/12/01	11/13/01	11/13/01	11/13/01
Volatiles										
1,1,1-Trichloroethane	ND(0.042)	ND(0.042)	0.065	1.5 [0.077]	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037) [ND(0.036)]	ND(0.040)	ND(0.040)
1,1,2,2-Tetrachloroethane	ND(0.083)	ND(0.083)	ND(0.079)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.079)	ND(0.078)	ND(0.073) [ND(0.073)]	ND(0.081)	ND(0.081)
1,1,2-Trichloroethane	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037) [ND(0.036)]	ND(0.040)	ND(0.040)
1,1-Dichloroethane	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037) [ND(0.036)]	ND(0.040)	ND(0.040)
1,1-Dichloroethene	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037) [ND(0.036)]	ND(0.040)	ND(0.040)
1,2,4-Trichlorobenzene	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.17)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.17)
1,2-Dibromoethane (EDB)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.17)
1,2-Dichlorobenzene	ND(0.083)	ND(0.083)	ND(0.079)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.079)	ND(0.078)	ND(0.073) [ND(0.073)]	ND(0.081)	ND(0.081)
1,2-Dichloroethane	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037) [ND(0.036)]	ND(0.040)	ND(0.040)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037) [ND(0.036)]	ND(0.040)	ND(0.040)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.083)	ND(0.083)	ND(0.079)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.079)	ND(0.078)	ND(0.073) [ND(0.073)]	ND(0.081)	ND(0.081)
1,4-Dichlorobenzene	ND(0.083)	ND(0.083)	ND(0.079)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.079)	ND(0.078)	ND(0.073) [ND(0.073)]	ND(0.081)	ND(0.081)
2-Butanone	ND(0.30)	0.055 J	0.052 J	0.11 J [ND(0.28)]	0.035 J	ND(0.28)	ND(0.28)	ND(0.26) [0.039 J]	0.051 J	0.059 J
2-Hexanone	ND(0.30)	ND(0.30)	ND(0.28)	ND(0.28) [ND(0.28)]	ND(0.26)	ND(0.28)	ND(0.28)	ND(0.26) [ND(0.26)]	ND(0.29)	ND(0.29)
4-Methyl-2-pentanone	ND(0.30)	ND(0.30)	ND(0.28)	ND(0.28) [ND(0.28)]	ND(0.26)	ND(0.28)	ND(0.28)	ND(0.26) [ND(0.26)]	ND(0.29)	ND(0.29)
Acetone	ND(0.30)	0.13 J	0.31 J	0.41 J [ND(0.30)]	0.25 J	ND(0.28) J	ND(0.28) J	0.22 J [0.21 J]	0.092 J	0.059 J
Benzene	ND(0.042)	ND(0.042)	ND(0.039)	0.035 J [ND(0.039)]	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037) [ND(0.036)]	0.91	0.83
Benzene, isopropyl	ND(0.18)	ND(0.18)	ND(0.17)	0.099 J [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.16)]	0.46	0.49
Bromodichloromethane	ND(0.083)	ND(0.083)	ND(0.079)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.079)	ND(0.078)	ND(0.073) [ND(0.073)]	ND(0.081)	ND(0.081)
Bromoform	ND(0.083)	ND(0.083)	ND(0.079)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.079)	ND(0.078)	ND(0.073) [ND(0.073)]	ND(0.081)	ND(0.081)
Bromomethane	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17) J	ND(0.17) J	ND(0.16) [ND(0.16)]	ND(0.17) J	ND(0.17) J
Carbon disulfide	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.17)
Carbon tetrachloride	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037) [ND(0.036)]	ND(0.040)	ND(0.040)
Chlorobenzene	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037) [ND(0.036)]	ND(0.040)	ND(0.040)
Chloroethane	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.17)
Chloroform	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037) [ND(0.036)]	ND(0.040)	ND(0.040)
Chloromethane	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.17)
cis-1,2-Dichloroethene	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.040) [ND(0.039)]	0.05	ND(0.039)	0.071	ND(0.037) [ND(0.036)]	ND(0.040)	ND(0.040)
cis-1,3-Dichloropropene	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037) [ND(0.036)]	ND(0.040)	ND(0.040)
Cyclohexane	ND(0.18)	ND(0.18)	ND(0.17)	0.46 [ND(0.17)]	0.065 J	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.16)]	1.4	1.7
Dibromochloromethane	ND(0.083)	ND(0.083)	ND(0.079)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.079)	ND(0.078)	ND(0.073) [ND(0.073)]	ND(0.081)	ND(0.081)
Dichlorodifluoromethane (CFC-12)	ND(0.083)	ND(0.083)	ND(0.079)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.079)	ND(0.078)	ND(0.073) [ND(0.073)]	ND(0.081)	ND(0.081)
Ethylbenzene	ND(0.042)	ND(0.042)	ND(0.039)	0.11 [ND(0.039)]	0.028 J	ND(0.039)	ND(0.039)	ND(0.037) [ND(0.036)]	3.9	3.8
m&p-Xylene	ND(0.083)	0.050 J	ND(0.079)	0.5 [ND(0.078)]	0.11	ND(0.079)	ND(0.078)	ND(0.073) [ND(0.073)]	11	12 D

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	20-101R	20-101R	20-105R	20-105R	40-303R	40-303R	40-303R	40-4R	40-4R	40-4R
Sample Depth(feet):	0-1.2	7-9	1-3	7-9	1-3	27-29	8-10	1-3	13-15	15-17
Date Collected:	11/05/01	11/05/01	11/21/01	11/21/01	11/12/01	11/12/01	11/12/01	11/13/01	11/13/01	11/13/01
Methyl acetate	ND(0.18)	0.11 J	ND(0.17)	ND(0.17) [ND(0.17)]	0.28	ND(0.17) J	ND(0.17) J	0.3 [0.28]	ND(0.17) J	ND(0.17) J
Methyl Tert Butyl Ether	ND(0.30)	ND(0.30)	ND(0.28)	ND(0.28) [ND(0.28)]	ND(0.26)	ND(0.28)	ND(0.28)	ND(0.26) [ND(0.26)]	ND(0.29)	ND(0.29)
Methylcyclohexane	ND(0.18)	ND(0.18)	ND(0.17)	1.7 [ND(0.17)]	0.19	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.16)]	2.2	2.5
Methylene chloride	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.17)
o-Xylene	ND(0.042)	ND(0.042)	ND(0.039)	0.54 [ND(0.039)]	0.083	ND(0.039)	ND(0.039)	ND(0.037) [ND(0.036)]	0.54	1.3
Styrene	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037) [ND(0.036)]	ND(0.040)	ND(0.040)
Tetrachloroethene	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.037)	ND(0.039) J	ND(0.039) J	ND(0.037) [ND(0.036)]	ND(0.040) J	ND(0.040) J
Toluene	ND(0.042)	ND(0.042)	ND(0.039)	0.28 [ND(0.039)]	0.12	ND(0.039)	ND(0.039)	ND(0.037) [ND(0.036)]	0.034 J	0.4
trans-1,2-Dichloroethene	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037) [ND(0.036)]	ND(0.040)	ND(0.040)
trans-1,3-Dichloropropene	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037) [ND(0.036)]	ND(0.040)	ND(0.040)
Trichloroethene	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.040) [ND(0.039)]	1.3	ND(0.039)	ND(0.039)	ND(0.037) [ND(0.036)]	ND(0.040)	ND(0.040)
Trichlorofluoromethane (CFC-11)	ND(0.083)	ND(0.083)	ND(0.079)	ND(0.079) [ND(0.078)]	ND(0.073)	ND(0.079)	ND(0.078)	ND(0.073) [ND(0.073)]	ND(0.081)	ND(0.081)
Trifluorotrichloroethane (Freon 113)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.17)
Vinyl chloride	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.040) [ND(0.039)]	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037) [ND(0.036)]	ND(0.040)	ND(0.040)
Xylenes (total)	ND(0.083)	0.05	ND(0.079)	1 [ND(0.078)]	0.19	ND(0.079)	ND(0.078)	ND(0.073) [ND(0.073)]	12	13
Semivolatiles										
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
2,4,6-Trichlorophenol	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
2,4-Dichlorophenol	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
2,4-Dimethylphenol	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
2,4-Dinitrophenol	ND(0.81)	ND(0.79)	ND(0.75)	ND(0.76) J [ND(0.76) J]	ND(0.71)	ND(0.76)	ND(0.74)	ND(0.69) [ND(0.70)]	ND(0.78)	ND(0.76)
2,4-Dinitrotoluene	ND(0.81)	ND(0.79)	ND(0.75)	ND(0.76) [ND(0.76)]	ND(0.71)	ND(0.76)	ND(0.74)	ND(0.69) [ND(0.70)]	ND(0.78)	ND(0.76)
2,6-Dinitrotoluene	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
2-Chloronaphthalene	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
2-Chlorophenol	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
2-Methyl naphthalene	ND(0.21)	ND(0.20)	0.26	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	1.2
2-Methylphenol	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
2-Nitroaniline	ND(0.81)	ND(0.79)	ND(0.75)	ND(0.76) [ND(0.76)]	ND(0.71)	ND(0.76)	ND(0.74)	ND(0.69) [ND(0.70)]	ND(0.78)	ND(0.76)
2-Nitrophenol	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
3&4-Methylphenol	ND(0.41)	ND(0.40)	ND(0.38) J	ND(0.39) J [ND(0.39) J]	ND(0.36) J	ND(0.39) J	ND(0.38) J	ND(0.35) J [ND(0.35) J]	ND(0.40) J	ND(0.39) J
3,3-Dichlorobenzidine	ND(0.81)	ND(0.79)	ND(0.75)	ND(0.76) [ND(0.76)]	ND(0.71)	ND(0.76)	ND(0.74)	ND(0.69) [ND(0.70)]	ND(0.78)	ND(0.76)
3-Nitroaniline	ND(0.81)	ND(0.79)	ND(0.75)	ND(0.76) J [ND(0.76) J]	ND(0.71)	ND(0.76)	ND(0.74)	ND(0.69) [ND(0.70)]	ND(0.78)	ND(0.76)
4,6-Dinitro-2-methylphenol	ND(0.81)	ND(0.79)	ND(0.75)	ND(0.76) [ND(0.76)]	ND(0.71)	ND(0.76)	ND(0.74)	ND(0.69) [ND(0.70)]	ND(0.78)	ND(0.76)
4-Bromophenyl phenyl ether	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
4-Chloro-3-methylphenol	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	20-101R	20-101R	20-105R	20-105R	40-303R	40-303R	40-303R	40-4R	40-4R	40-4R
Sample Depth(feet):	0-1.2	7-9	1-3	7-9	1-3	27-29	8-10	1-3	13-15	15-17
Date Collected:	11/05/01	11/05/01	11/21/01	11/21/01	11/12/01	11/12/01	11/12/01	11/13/01	11/13/01	11/13/01
4-Chloroaniline	ND(0.81)	ND(0.79)	ND(0.75)	ND(0.76) J [ND(0.76) J]	ND(0.71)	ND(0.76)	ND(0.74)	ND(0.69) [ND(0.70)]	ND(0.78)	ND(0.76)
4-Chlorophenyl phenyl ether	ND(0.81)	ND(0.79)	ND(0.75)	ND(0.76) [ND(0.76)]	ND(0.71)	ND(0.76)	ND(0.74)	ND(0.69) [ND(0.70)]	ND(0.78)	ND(0.76)
4-Nitroaniline	ND(0.81)	ND(0.79)	ND(0.75)	ND(0.76) J [ND(0.76) J]	ND(0.71)	ND(0.76)	ND(0.74)	ND(0.69) [ND(0.70)]	ND(0.78)	ND(0.76)
4-Nitrophenol	ND(0.81)	ND(0.79)	ND(0.75)	ND(0.76) [ND(0.76)]	ND(0.71)	ND(0.76)	ND(0.74)	ND(0.69) [ND(0.70)]	ND(0.78)	ND(0.76)
Acenaphthene	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Acenaphthylene	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	0.041 J	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Acetophenone	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Anthracene	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Atrazine	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) J [ND(0.19) J]	ND(0.18) J	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Benzaldehyde	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Benzo(a)anthracene	0.28	ND(0.20)	0.071 J	ND(0.19) [ND(0.19)]	0.15 J	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Benzo(a)pyrene	0.35	ND(0.20)	0.062 J	ND(0.19) [ND(0.19)]	0.22	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Benzo(b)fluoranthene	0.44	ND(0.20)	0.042 J	ND(0.19) [ND(0.19)]	0.26	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Benzo(g,h,i)perylene	0.16 J	ND(0.20)	0.23 J	ND(0.19) [ND(0.19)]	0.12 J	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20) J	ND(0.19)
Benzo(k)fluoranthene	0.42	ND(0.20)	0.057 J	ND(0.19) [ND(0.19)]	0.23	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Biphenyl	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18) J	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
bis(2-Chloroethoxy)methane	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
bis(2-Chloroethyl)ether	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.034) [ND(0.034)]	ND(0.039)	ND(0.038)
bis(2-Chloroisopropyl)ether	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
bis(2-Ethylhexyl)phthalate	0.078 J	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.29)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Butyl benzylphthalate	0.051 J	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	0.11 J	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Caprolactam	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Carbazole	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) J [ND(0.19) J]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Chrysene	0.38	ND(0.20)	0.095 J	ND(0.19) [ND(0.19)]	0.18 J	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Di-n-butylphthalate	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	0.050 J	ND(0.19)	0.057 J	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Di-n-octyl phthalate	ND(0.21)	ND(0.20)	ND(0.19) J	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Dibenzo(a,h)anthracene	ND(0.21)	ND(0.20)	ND(0.19) J	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Dibenzofuran	ND(0.21)	ND(0.20)	0.087 J	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Diethyl phthalate	ND(0.21)	0.075 J	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	0.054 J	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Dimethyl phthalate	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Fluoranthene	0.68	ND(0.20)	0.098 J	ND(0.19) [ND(0.19)]	0.22	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Fluorene	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Hexachlorobenzene	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Hexachlorobutadiene	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Hexachlorocyclopentadiene	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Hexachloroethane	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Indeno(1,2,3-cd)pyrene	0.18 J	ND(0.20)	0.098 J	ND(0.19) [ND(0.19)]	0.13 J	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20) J	ND(0.19)
Isophorone	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Methylphenols, Total	ND(0.41)	ND(0.40)	ND(0.38)	ND(0.39) [ND(0.39)]	ND(0.36)	ND(0.39)	ND(0.38)	ND(0.35) [ND(0.35)]	ND(0.40)	ND(0.39)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	20-101R	20-101R	20-105R	20-105R	40-303R	40-303R	40-303R	40-4R	40-4R	40-4R
Sample Depth(feet):	0-1.2	7-9	1-3	7-9	1-3	27-29	8-10	1-3	13-15	15-17
Date Collected:	11/05/01	11/05/01	11/21/01	11/21/01	11/12/01	11/12/01	11/12/01	11/13/01	11/13/01	11/13/01
N-Nitrosodi-n-propylamine	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
N-Nitrosodiphenylamine	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Naphthalene	ND(0.21)	ND(0.20)	0.17 J	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	0.12 J	0.75
Nitrobenzene	ND(0.081)	ND(0.079)	ND(0.075)	ND(0.076) [ND(0.076)]	ND(0.071)	ND(0.076)	ND(0.074)	ND(0.069) [ND(0.070)]	ND(0.078)	ND(0.076)
Pentachlorophenol	ND(0.81)	ND(0.79)	ND(0.75)	ND(0.76) [ND(0.76)]	ND(0.71)	ND(0.76)	ND(0.74)	ND(0.69) [ND(0.70)]	ND(0.78)	ND(0.76)
Phenanthrene	0.26	ND(0.20)	0.18 J	ND(0.19) [ND(0.19)]	0.11 J	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	0.043 J	ND(0.19)
Phenol	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Pyrene	0.54	ND(0.20)	0.13 J	ND(0.19) [ND(0.19)]	0.18 J	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.19)
Inorganics										
Antimony	0.046 J	ND(0.16)	0.19 R	0.19 R [0.22 R]	0.24 R	0.28 R	0.23 R	0.17 R [0.18 R]	0.64 R	0.23 R
Arsenic	2.4	10(RDC)	5.8	5.5 [5.5]	3.8	5.1	3.3	3.6 [3.9]	2.8	4.7
Barium	46	55	28	17 [15]	33	39	25	8.7 [10]	46	33
Beryllium	0.27	0.49	0.19 J	0.15 J [0.16 J]	0.19	0.33	0.23	0.09 [0.099]	0.44	0.25
Cadmium	0.45	0.13	0.24 J	0.10 J [0.11 J]	0.23	0.095	0.058	0.11 [0.12]	0.068	0.089
Chromium	11	15	22 J	7.1 J [6.3 J]	10	12	16	5.8 [6.3]	15	12
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	2.7	7	1.7	4.6 [4.7]	3.3	5.5	3.6	2.4 [2.5]	5	3.3
Copper	12	12	24	9.7 [8.4]	63	10	6.9	5.9 [5.9]	9.6	6.7
Cyanide (total)	ND(0.20)	ND(0.20)	0.10 J	ND(0.20) J [ND(0.20) J]	1.8	0.11 J	0.45	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)
Lead	17	9	160	6.1 [6.0]	29	7.1	5.5	3.9 [4.6]	6.9	7.1
Manganese	150	120	230	200 [170]	220	360	250	220 [180]	160	180
Mercury	0.058 J	0.056 J	0.053 J	0.030 J [0.035 J]	0.036 J	ND(0.079)	ND(0.078)	ND(0.071) [ND(0.071)]	0.028 J	ND(0.077)
Nickel	7	16	13 J	9.2 J [8.4 J]	13	15	9.9	8.7 [8.1]	13	9.2
Selenium	0.26 J	0.078	0.32 J	ND(0.076) [ND(0.090)]	ND(0.097)	0.16	ND(0.094)	0.093 [ND(0.071)]	ND(0.26)	ND(0.090)
Silver	0.4	0.17	0.029 J	0.012 J [0.0086 J]	0.092 J	0.091 J	0.080 J	0.043 J [0.054 J]	ND(0.64)	0.034 J
Thallium	0.079 J	0.14 J	0.11 J	0.085 J [0.065 J]	0.085 J	0.14 J	0.082 J	0.11 J [0.18]	0.13 J	0.083 J
Vanadium	17	22	7.4 J	13 J [11 J]	9.9	19	13	8.3 [8.4]	23	15
Zinc	49	47	41	35 [34]	62 J	31 J	19 J	20 J [21 J]	35 J	68 J
PCBs										
Aroclor-1016	ND(0.042)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.041)	ND(0.040)
Aroclor-1221	ND(0.042)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.041)	ND(0.040)
Aroclor-1232	ND(0.042)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.041)	ND(0.040)
Aroclor-1242	ND(0.042)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.041)	ND(0.040)
Aroclor-1248	ND(0.042)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.041)	ND(0.040)
Aroclor-1254	ND(0.042)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	0.069	ND(0.040)	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.041)	ND(0.040)
Aroclor-1260	0.014 J	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	0.033 J	0.013 J	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.041)	ND(0.040)
Total PCBs	0.014	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	0.1	0.013	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.041)	ND(0.040)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	40-4R	40-7R	40-7R	40-7R	40-7R	43-101R	43-101R	ACSP-B2A	ACSP-B2A	ACSP-B2A	ACSP-B2A	ACSP-B2A	ACSP-B2A
Sample Depth(feet):	8-10	0-2	12-14	2-4	8-10	0.5-2	8-10	0-2	10-12	2-4	4-6	6-8	8-10
Date Collected:	11/13/01	11/20/01	11/20/01	11/20/01	11/20/01	11/05/01	11/05/01	05/08/01	05/09/01	05/08/01	05/08/01	05/08/01	05/08/01
Volatiles													
1,1,1-Trichloroethane	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.045)	0.28	2.3	NS	ND(0.83)	NS	NS	NS	NS
1,1,2,2-Tetrachloroethane	ND(0.074)	ND(0.082)	ND(0.076)	ND(0.081)	ND(0.090)	ND(0.076)	ND(0.082)	NS	ND(1.7)	NS	NS	NS	NS
1,1,2-Trichloroethane	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.045)	ND(0.038)	ND(0.041)	NS	ND(0.83)	NS	NS	NS	NS
1,1-Dichloroethane	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.045)	ND(0.038)	ND(0.041)	NS	ND(0.83)	NS	NS	NS	NS
1,1-Dichloroethene	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.045)	ND(0.038)	ND(0.041)	NS	ND(0.83)	NS	NS	NS	NS
1,2,4-Trichlorobenzene	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.17)	NS	ND(3.5)	NS	NS	NS	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.17)	NS	ND(3.5)	NS	NS	NS	NS
1,2-Dibromoethane (EDB)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.17)	NS	ND(3.5)	NS	NS	NS	NS
1,2-Dichlorobenzene	ND(0.074)	ND(0.082)	ND(0.076)	ND(0.081)	ND(0.090)	ND(0.076)	ND(0.082)	NS	ND(1.7)	NS	NS	NS	NS
1,2-Dichloroethane	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.045)	ND(0.038)	ND(0.041)	NS	ND(0.83)	NS	NS	NS	NS
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.045)	ND(0.038)	ND(0.041)	NS	ND(0.83)	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.074)	ND(0.082)	ND(0.076)	ND(0.081)	ND(0.090)	ND(0.076)	ND(0.082)	NS	ND(1.7)	NS	NS	NS	NS
1,4-Dichlorobenzene	ND(0.074)	ND(0.082)	ND(0.076)	ND(0.081)	ND(0.090)	ND(0.076)	ND(0.082)	NS	ND(1.7)	NS	NS	NS	NS
2-Butanone	ND(0.26)	0.11 J	0.069 J	0.062 J	0.066 J	ND(0.27)	ND(0.29)	NS	ND(5.9)	NS	NS	NS	NS
2-Hexanone	ND(0.26)	ND(0.29)	ND(0.27)	ND(0.29)	ND(0.32)	ND(0.27)	ND(0.29)	NS	ND(5.9)	NS	NS	NS	NS
4-Methyl-2-pentanone	ND(0.26)	ND(0.29)	ND(0.27)	ND(0.29)	ND(0.32)	ND(0.27)	ND(0.29)	NS	ND(5.9)	NS	NS	NS	NS
Acetone	ND(0.26) J	0.35 J	0.25 J	0.26 J	0.29 J	ND(0.27)	ND(0.29)	NS	2.3 J	NS	NS	NS	NS
Benzene	ND(0.037)	0.076	0.042 J	ND(0.041)	ND(0.045)	ND(0.038)	ND(0.041)	NS	ND(0.83)	NS	NS	NS	NS
Benzene, isopropyl	ND(0.16)	ND(0.18)	0.69	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.17)	NS	ND(3.5)	NS	NS	NS	NS
Bromodichloromethane	ND(0.074)	ND(0.082)	ND(0.076)	ND(0.081)	ND(0.090)	ND(0.076)	ND(0.082)	NS	ND(1.7)	NS	NS	NS	NS
Bromoform	ND(0.074)	ND(0.082)	ND(0.076)	ND(0.081)	ND(0.090)	ND(0.076)	ND(0.082)	NS	ND(1.7) J	NS	NS	NS	NS
Bromomethane	ND(0.16) J	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.17)	NS	ND(3.5)	NS	NS	NS	NS
Carbon disulfide	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.17)	NS	ND(3.5)	NS	NS	NS	NS
Carbon tetrachloride	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.045)	ND(0.038)	ND(0.041)	NS	ND(0.83)	NS	NS	NS	NS
Chlorobenzene	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.045)	ND(0.038)	ND(0.041)	NS	ND(0.83)	NS	NS	NS	NS
Chloroethane	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.17)	NS	ND(3.5)	NS	NS	NS	NS
Chloroform	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.045)	ND(0.038)	ND(0.041)	NS	ND(0.83)	NS	NS	NS	NS
Chloromethane	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.17)	NS	ND(3.5)	NS	NS	NS	NS
cis-1,2-Dichloroethene	ND(0.037)	0.09	ND(0.038)	ND(0.041)	ND(0.045)	ND(0.038)	ND(0.041)	NS	ND(0.83)	NS	NS	NS	NS
cis-1,3-Dichloropropene	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.045)	ND(0.038)	ND(0.041)	NS	ND(0.83)	NS	NS	NS	NS
Cyclohexane	0.058 J	0.14 J	2.0 J	ND(0.17)	ND(0.19)	ND(0.16)	0.037 J	NS	ND(3.5) J	NS	NS	NS	NS
Dibromochloromethane	ND(0.074)	ND(0.082)	ND(0.076)	ND(0.081)	ND(0.090)	ND(0.076)	ND(0.082)	NS	ND(1.7) J	NS	NS	NS	NS
Dichlorodifluoromethane (CFC-12)	ND(0.074)	ND(0.082)	ND(0.076)	ND(0.081)	ND(0.090)	ND(0.076)	ND(0.082)	NS	ND(1.7)	NS	NS	NS	NS
Ethylbenzene	ND(0.037)	0.075	1.6 J	ND(0.041)	ND(0.045)	ND(0.038)	ND(0.041)	NS	ND(0.83)	NS	NS	NS	NS
m&p-Xylene	0.076	0.36	2.0 J	0.030 J	ND(0.090)	0.088	0.089	NS	14 J	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	40-4R	40-7R	40-7R	40-7R	40-7R	43-101R	43-101R	ACSP-B2A	ACSP-B2A	ACSP-B2A	ACSP-B2A	ACSP-B2A	ACSP-B2A
Sample Depth(feet):	8-10	0-2	12-14	2-4	8-10	0.5-2	8-10	0-2	10-12	2-4	4-6	6-8	8-10
Date Collected:	11/13/01	11/20/01	11/20/01	11/20/01	11/20/01	11/05/01	11/05/01	05/08/01	05/09/01	05/08/01	05/08/01	05/08/01	05/08/01
Methyl acetate	ND(0.16) J	ND(0.18)	ND(0.16)	0.091 J	ND(0.19)	ND(0.16)	ND(0.17)	NS	ND(3.5)	NS	NS	NS	NS
Methyl Tert Butyl Ether	ND(0.26)	ND(0.29)	ND(0.27)	ND(0.29)	ND(0.32)	ND(0.27)	ND(0.29)	NS	ND(5.9)	NS	NS	NS	NS
Methylcyclohexane	0.048 J	0.37	10 DJ	0.036 J	ND(0.19)	0.086 J	0.043 J	NS	59 J	NS	NS	NS	NS
Methylene chloride	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.17)	NS	2.0 J	NS	NS	NS	NS
o-Xylene	ND(0.037)	0.19	0.052 J	ND(0.041)	ND(0.045)	0.035 J	ND(0.041)	NS	4.4 J	NS	NS	NS	NS
Styrene	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.045)	ND(0.038)	ND(0.041)	NS	ND(0.83)	NS	NS	NS	NS
Tetrachloroethene	ND(0.037) J	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.045)	ND(0.038)	ND(0.041)	NS	ND(0.83)	NS	NS	NS	NS
Toluene	ND(0.037)	0.28	0.048 J	ND(0.041)	ND(0.045)	0.042	ND(0.041)	NS	ND(0.83)	NS	NS	NS	NS
trans-1,2-Dichloroethene	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.045)	ND(0.038)	ND(0.041)	NS	ND(0.83)	NS	NS	NS	NS
trans-1,3-Dichloropropene	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.045)	ND(0.038)	ND(0.041)	NS	ND(0.83)	NS	NS	NS	NS
Trichloroethene	ND(0.037)	0.32	ND(0.038)	ND(0.041)	ND(0.045)	0.075	ND(0.041)	NS	ND(0.83)	NS	NS	NS	NS
Trichlorofluoromethane (CFC-11)	ND(0.074)	ND(0.082)	ND(0.076)	ND(0.081)	ND(0.090)	ND(0.076)	ND(0.082)	NS	ND(1.7)	NS	NS	NS	NS
Trifluorotrichloroethane (Freon 113)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.17)	NS	ND(3.5) J	NS	NS	NS	NS
Vinyl chloride	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.045)	ND(0.038)	ND(0.041)	NS	ND(0.83)	NS	NS	NS	NS
Xylenes (total)	0.076	0.55	2.1	0.03	ND(0.090)	0.12	0.089	NS	18	NS	NS	NS	NS
Semivolatiles													
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
2,4,6-Trichlorophenol	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
2,4-Dichlorophenol	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
2,4-Dimethylphenol	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
2,4-Dinitrophenol	ND(0.71)	0.77 R	ND(0.72)	ND(0.79)	ND(0.85)	ND(0.72)	ND(0.78)	NS	ND(0.79) J	NS	NS	NS	NS
2,4-Dinitrotoluene	ND(0.71)	ND(0.77)	ND(0.72)	ND(0.79)	ND(0.85)	ND(0.72)	ND(0.78)	NS	ND(0.79)	NS	NS	NS	NS
2,6-Dinitrotoluene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
2-Chloronaphthalene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
2-Chlorophenol	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
2-Methyl naphthalene	ND(0.18)	0.26	1.9	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	5.7 J	NS	NS	NS	NS
2-Methylphenol	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
2-Nitroaniline	ND(0.71)	ND(0.77)	ND(0.72)	ND(0.79)	ND(0.85)	ND(0.72)	ND(0.78)	NS	ND(0.79)	NS	NS	NS	NS
2-Nitrophenol	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
3&4-Methylphenol	ND(0.36) J	ND(0.39) J	ND(0.37) J	ND(0.40) J	ND(0.43) J	ND(0.36)	ND(0.40)	NS	ND(0.40)	NS	NS	NS	NS
3,3-Dichlorobenzidine	ND(0.71)	ND(0.77)	ND(0.72)	ND(0.79)	ND(0.85)	ND(0.72)	ND(0.78)	NS	ND(0.79)	NS	NS	NS	NS
3-Nitroaniline	ND(0.71)	ND(0.77)	ND(0.72)	ND(0.79)	ND(0.85)	ND(0.72)	ND(0.78)	NS	ND(0.79)	NS	NS	NS	NS
4,6-Dinitro-2-methylphenol	ND(0.71)	0.77 R	ND(0.72)	ND(0.79)	ND(0.85)	ND(0.72)	ND(0.78)	NS	ND(0.79) J	NS	NS	NS	NS
4-Bromophenyl phenyl ether	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
4-Chloro-3-methylphenol	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	40-4R	40-7R	40-7R	40-7R	40-7R	43-101R	43-101R	ACSP-B2A	ACSP-B2A	ACSP-B2A	ACSP-B2A	ACSP-B2A	ACSP-B2A
Sample Depth(feet):	8-10	0-2	12-14	2-4	8-10	0.5-2	8-10	0-2	10-12	2-4	4-6	6-8	8-10
Date Collected:	11/13/01	11/20/01	11/20/01	11/20/01	11/20/01	11/05/01	11/05/01	05/08/01	05/09/01	05/08/01	05/08/01	05/08/01	05/08/01
4-Chloroaniline	ND(0.71)	ND(0.77)	ND(0.72)	ND(0.79)	ND(0.85)	ND(0.72)	ND(0.78)	NS	ND(0.79) J	NS	NS	NS	NS
4-Chlorophenyl phenyl ether	ND(0.71)	ND(0.77)	ND(0.72)	ND(0.79)	ND(0.85)	ND(0.72)	ND(0.78)	NS	ND(0.79)	NS	NS	NS	NS
4-Nitroaniline	ND(0.71)	ND(0.77)	ND(0.72)	ND(0.79)	ND(0.85)	ND(0.72)	ND(0.78)	NS	ND(0.79) J	NS	NS	NS	NS
4-Nitrophenol	ND(0.71)	ND(0.77)	ND(0.72)	ND(0.79)	ND(0.85)	ND(0.72)	ND(0.78)	NS	ND(0.79)	NS	NS	NS	NS
Acenaphthene	ND(0.18)	0.045 J	0.060 J	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Acenaphthylene	ND(0.18)	0.096 J	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Acetophenone	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Anthracene	ND(0.18)	0.33	0.050 J	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Atrazine	ND(0.18)	ND(0.19) J	ND(0.18) J	ND(0.20) J	ND(0.21) J	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Benzaldehyde	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Benzo(a)anthracene	ND(0.18)	0.84	0.036 J	ND(0.20)	ND(0.21)	0.12 J	0.039 J	NS	ND(0.20)	NS	NS	NS	NS
Benzo(a)pyrene	ND(0.18)	0.76 J	0.071 J	ND(0.20)	ND(0.21)	0.15 J	0.048 J	NS	ND(0.20)	NS	NS	NS	NS
Benzo(b)fluoranthene	ND(0.18)	0.87 J	ND(0.18)	ND(0.20)	ND(0.21)	0.26	0.046 J	NS	ND(0.20)	NS	NS	NS	NS
Benzo(g,h,i)perylene	ND(0.18) J	0.44 J	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Benzo(k)fluoranthene	ND(0.18)	1.0 J	ND(0.18)	ND(0.20)	ND(0.21)	0.15 J	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Biphenyl	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
bis(2-Chloroethoxy)methane	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
bis(2-Chloroethyl)ether	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.039)	ND(0.042)	ND(0.035)	ND(0.039)	NS	ND(0.039)	NS	NS	NS	NS
bis(2-Chloroisopropyl)ether	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20) J	NS	NS	NS	NS
bis(2-Ethylhexyl)phthalate	ND(0.18)	0.083 J	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	0.058 J	NS	NS	NS	NS
Butyl benzylphthalate	ND(0.18)	1.7	ND(0.18)	ND(0.20)	ND(0.21)	0.12 J	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Caprolactam	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Carbazole	ND(0.18)	0.16 J	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Chrysene	ND(0.18)	0.88	0.092 J	ND(0.20)	ND(0.21)	0.16 J	0.053 J	NS	ND(0.20)	NS	NS	NS	NS
Di-n-butylphthalate	ND(0.18)	0.061 J	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	0.064 J	NS	NS	NS	NS
Di-n-octyl phthalate	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Dibenzo(a,h)anthracene	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Dibenzofuran	ND(0.18)	0.10 J	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Diethyl phthalate	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Dimethyl phthalate	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Fluoranthene	ND(0.18)	1.6	ND(0.18)	ND(0.20)	ND(0.21)	0.16 J	0.053 J	NS	ND(0.20)	NS	NS	NS	NS
Fluorene	ND(0.18)	0.074 J	0.081 J	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Hexachlorobenzene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Hexachlorobutadiene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Hexachlorocyclopentadiene	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Hexachloroethane	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	ND(0.18)	0.37 J	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Isophorone	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Methylphenols, Total	ND(0.36)	ND(0.39)	ND(0.37)	ND(0.40)	ND(0.43)	ND(0.36)	ND(0.40)	NS	ND(0.40)	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	40-4R	40-7R	40-7R	40-7R	40-7R	43-101R	43-101R	ACSP-B2A	ACSP-B2A	ACSP-B2A	ACSP-B2A	ACSP-B2A	ACSP-B2A
Sample Depth(feet):	8-10	0-2	12-14	2-4	8-10	0.5-2	8-10	0-2	10-12	2-4	4-6	6-8	8-10
Date Collected:	11/13/01	11/20/01	11/20/01	11/20/01	11/20/01	11/05/01	11/05/01	05/08/01	05/09/01	05/08/01	05/08/01	05/08/01	05/08/01
N-Nitrosodi-n-propylamine	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
N-Nitrosodiphenylamine	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Naphthalene	0.077 J	0.16 J	0.98	ND(0.20)	ND(0.21)	0.053 J	0.041 J	NS	1.8	NS	NS	NS	NS
Nitrobenzene	ND(0.071)	ND(0.077)	ND(0.072)	ND(0.079)	ND(0.085)	ND(0.072)	ND(0.078)	NS	ND(0.079)	NS	NS	NS	NS
Pentachlorophenol	ND(0.71)	ND(0.77)	ND(0.72)	ND(0.79)	ND(0.85)	ND(0.72)	ND(0.78)	NS	ND(0.79)	NS	NS	NS	NS
Phenanthrene	ND(0.18)	1	0.49	ND(0.20)	ND(0.21)	0.15 J	0.092 J	NS	ND(0.20)	NS	NS	NS	NS
Phenol	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.20)	NS	ND(0.20)	NS	NS	NS	NS
Pyrene	ND(0.18)	2.4	0.16 J	ND(0.20)	ND(0.21)	0.34	0.066 J	NS	ND(0.20)	NS	NS	NS	NS
Inorganics													
Antimony	0.18 R	0.23 R	0.25 R	0.17 R	0.28 R	0.11 J	0.048 J	NS	NS	NS	NS	NS	NS
Arsenic	2.5	4.7	2.4	2.7	9.3(RDC)	3.5	4.6	NS	NS	NS	NS	NS	NS
Barium	7.4	130 J	11 J	17 J	90 J	64	48	NS	NS	NS	NS	NS	NS
Beryllium	0.074	0.86	0.11	0.18	0.75	0.3	0.32	NS	NS	NS	NS	NS	NS
Cadmium	0.12	0.62	0.059	0.076	0.11	0.45	0.19	NS	NS	NS	NS	NS	NS
Chromium	4.9	42 J	4.5 J	7.3 J	23 J	36	28	NS	NS	NS	NS	NS	NS
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	2.1	5	2.4	3.9	11	3.3	3.7	NS	NS	NS	NS	NS	NS
Copper	5.2	81	5.5	4.2	21	150	38	NS	NS	NS	NS	NS	NS
Cyanide (total)	0.040 J	0.5	ND(0.20)	ND(0.20)	0.13 J	ND(0.20)	ND(0.20)	NS	NS	NS	NS	NS	NS
Lead	4.7	140 J	3.2 J	6.4 J	13 J	160	400	NS	NS	NS	NS	NS	NS
Manganese	150	270	140	92	240	600	460	NS	NS	NS	NS	NS	NS
Mercury	ND(0.073)	0.064 J	0.028 J	0.033 J	0.060 J	0.057 J	0.047 J	NS	NS	NS	NS	NS	NS
Nickel	7.2	29	6.6	7.2	30	18	21	NS	NS	NS	NS	NS	NS
Selenium	ND(0.074)	0.51	0.3	0.40 J	ND(0.11)	ND(0.064)	ND(0.074)	NS	NS	NS	NS	NS	NS
Silver	0.072 J	0.17 J	0.10 J	0.087 J	0.15 J	0.26	0.15 J	NS	NS	NS	NS	NS	NS
Thallium	0.075 J	0.10 J	0.075 J	0.067 J	0.24 J	0.093 J	0.085 J	NS	NS	NS	NS	NS	NS
Vanadium	6.4	13	6.4	13	30	13	15	NS	NS	NS	NS	NS	NS
Zinc	21 J	240	21	28	70	61	35	NS	NS	NS	NS	NS	NS
PCBs													
Aroclor-1016	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.044)	ND(0.038)	ND(0.041)	ND(0.039)	[ND(0.044)]	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.043)
Aroclor-1221	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.044)	ND(0.038)	ND(0.041)	ND(0.039)	[ND(0.044)]	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.043)
Aroclor-1232	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.044)	ND(0.038)	ND(0.041)	ND(0.039)	[ND(0.044)]	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.043)
Aroclor-1242	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.044)	ND(0.038)	ND(0.041)	ND(0.039)	[ND(0.044)]	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.043)
Aroclor-1248	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.044)	ND(0.038)	ND(0.041)	ND(0.039)	[ND(0.044)]	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.043)
Aroclor-1254	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.044)	ND(0.038)	ND(0.041)	ND(0.039)	[ND(0.044)]	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.043)
Aroclor-1260	ND(0.037)	0.22 J	ND(0.038)	ND(0.041)	ND(0.044)	0.019 J	ND(0.041)	ND(0.039)	[ND(0.044)]	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.043)
Total PCBs	ND(0.037)	0.22	ND(0.038)	ND(0.041)	ND(0.044)	0.019	ND(0.041)	ND(0.039)	[ND(0.044)]	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.043)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	ACSP-B2B	ACSP-B2C	ACSP-B2D	ACSP-B2D	ACSP-B2D	ACSP-B2D	ACSP-B2D	ACSP-B2E	ACSP-B2E	ACSP-B2E	ACSP-B3A	ACSP-B3A
Sample Depth(feet):	12-14	8-10	0-2	14-16	2-4	24-26	4-6	0-2	22-24	8-10	0-0.5	10-12
Date Collected:	05/09/01	05/10/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/20/01	08/20/01	08/20/01	05/08/01	05/08/01
Volatiles												
1,1,1-Trichloroethane	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.040)	NS	NS
1,1,2,2-Tetrachloroethane	ND(0.074)	ND(0.077)	ND(0.073) J	ND(0.078)	ND(0.078) J	ND(0.074)	ND(0.078) J	ND(0.073)	ND(0.074)	ND(0.080)	NS	NS
1,1,2-Trichloroethane	ND(0.037)	ND(0.039) J	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.040)	NS	NS
1,1-Dichloroethane	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.040)	NS	NS
1,1-Dichloroethene	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.040)	NS	NS
1,2,4-Trichlorobenzene	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	NS	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	NS	NS
1,2-Dibromoethane (EDB)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	NS	NS
1,2-Dichlorobenzene	ND(0.074)	ND(0.077)	ND(0.073)	ND(0.078)	ND(0.078)	ND(0.074)	ND(0.078)	ND(0.073)	ND(0.074)	ND(0.080)	NS	NS
1,2-Dichloroethane	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.040)	NS	NS
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.040)	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.074)	ND(0.077)	ND(0.073)	ND(0.078)	ND(0.078)	ND(0.074)	ND(0.078)	ND(0.073)	ND(0.074)	ND(0.080)	NS	NS
1,4-Dichlorobenzene	ND(0.074)	ND(0.077)	ND(0.073)	ND(0.078)	ND(0.078)	ND(0.074)	ND(0.078)	ND(0.073)	ND(0.074)	ND(0.080)	NS	NS
2-Butanone	ND(0.26)	ND(0.28)	ND(0.26)	ND(0.28)	ND(0.28)	ND(0.26)	ND(0.28)	ND(0.26)	ND(0.26) J	ND(0.28) J	NS	NS
2-Hexanone	ND(0.26)	ND(0.28)	ND(0.26) J	ND(0.28) J	ND(0.28) J	ND(0.26) J	ND(0.28) J	ND(0.26) J	ND(0.26)	ND(0.28)	NS	NS
4-Methyl-2-pentanone	ND(0.26)	ND(0.28)	ND(0.26)	ND(0.28)	ND(0.28)	ND(0.26)	ND(0.28)	ND(0.26)	ND(0.26)	ND(0.28)	NS	NS
Acetone	ND(0.26)	ND(0.28) J	ND(0.26) J	ND(0.28) J	ND(0.28) J	ND(0.26) J	ND(0.28) J	ND(0.26) J	ND(0.26) J	ND(0.28) J	NS	NS
Benzene	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.036)	0.12	ND(0.040)	NS	NS
Benzene, isopropyl	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	NS	NS
Bromodichloromethane	ND(0.074)	ND(0.077)	ND(0.073)	ND(0.078)	ND(0.078)	ND(0.074)	ND(0.078)	ND(0.073)	ND(0.074)	ND(0.080)	NS	NS
Bromoform	ND(0.074) J	ND(0.077)	ND(0.073)	ND(0.078)	ND(0.078)	ND(0.074)	ND(0.078)	ND(0.073)	ND(0.074)	ND(0.080)	NS	NS
Bromomethane	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16) J	ND(0.17) J	NS	NS
Carbon disulfide	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	NS	NS
Carbon tetrachloride	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.040)	NS	NS
Chlorobenzene	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.040)	NS	NS
Chloroethane	ND(0.16)	ND(0.17)	ND(0.16) J	ND(0.17) J	ND(0.17) J	ND(0.16) J	ND(0.17) J	ND(0.16) J	ND(0.16)	ND(0.17) J	NS	NS
Chloroform	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.040)	NS	NS
Chloromethane	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16) J	ND(0.17)	NS	NS
cis-1,2-Dichloroethene	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.040)	NS	NS
cis-1,3-Dichloropropene	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.040)	NS	NS
Cyclohexane	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	0.23	ND(0.17)	NS	NS
Dibromochloromethane	ND(0.074) J	ND(0.077) J	ND(0.073)	ND(0.078)	ND(0.078)	ND(0.074)	ND(0.078)	ND(0.073)	ND(0.074)	ND(0.080)	NS	NS
Dichlorodifluoromethane (CFC-12)	ND(0.074)	ND(0.077)	ND(0.073)	ND(0.078)	ND(0.078)	ND(0.074)	ND(0.078)	ND(0.073)	ND(0.074)	ND(0.080)	NS	NS
Ethylbenzene	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.040)	NS	NS
m&p-Xylene	ND(0.074)	ND(0.077)	ND(0.073)	ND(0.078)	ND(0.078)	ND(0.074)	ND(0.078)	ND(0.073)	ND(0.074)	ND(0.080)	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	ACSP-B2B	ACSP-B2C	ACSP-B2D	ACSP-B2D	ACSP-B2D	ACSP-B2D	ACSP-B2D	ACSP-B2E	ACSP-B2E	ACSP-B2E	ACSP-B3A	ACSP-B3A
Sample Depth(feet):	12-14	8-10	0-2	14-16	2-4	24-26	4-6	0-2	22-24	8-10	0-0.5	10-12
Date Collected:	05/09/01	05/10/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/20/01	08/20/01	08/20/01	05/08/01	05/08/01
Methyl acetate	ND(0.16) J	ND(0.17) J	0.041 J	ND(0.17)	0.039 J	ND(0.16)	ND(0.17)	0.029 J	ND(0.16)	ND(0.17)	NS	NS
Methyl Tert Butyl Ether	ND(0.26)	ND(0.28)	ND(0.26)	ND(0.28)	ND(0.28)	ND(0.26)	ND(0.28)	ND(0.26)	ND(0.26)	ND(0.28)	NS	NS
Methylcyclohexane	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	0.15 J	ND(0.17)	NS	NS
Methylene chloride	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	NS	NS
o-Xylene	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.040)	NS	NS
Styrene	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.040)	NS	NS
Tetrachloroethene	ND(0.037)	ND(0.039) J	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.040)	NS	NS
Toluene	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.040)	NS	NS
trans-1,2-Dichloroethene	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.040)	NS	NS
trans-1,3-Dichloropropene	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.040)	NS	NS
Trichloroethene	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.040)	NS	NS
Trichlorofluoromethane (CFC-11)	ND(0.074)	ND(0.077)	ND(0.073)	ND(0.078)	ND(0.078)	ND(0.074)	ND(0.078)	ND(0.073)	ND(0.074)	ND(0.080)	NS	NS
Trifluorotrichloroethane (Freon 113)	ND(0.16) J	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	NS	NS
Vinyl chloride	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.040)	NS	NS
Xylenes (total)	ND(0.074)	ND(0.077)	ND(0.073)	ND(0.078)	ND(0.078)	ND(0.074)	ND(0.078)	ND(0.073)	ND(0.074)	ND(0.080)	NS	NS
Semivolatiles												
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
2,4,6-Trichlorophenol	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
2,4-Dichlorophenol	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
2,4-Dimethylphenol	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
2,4-Dinitrophenol	ND(0.72) J	ND(0.74) J	ND(0.72)	ND(0.74)	ND(0.74)	ND(0.72)	ND(0.73)	ND(0.70)	ND(0.72) J	ND(0.77) J	NS	NS
2,4-Dinitrotoluene	ND(0.72)	ND(0.74)	ND(0.72)	ND(0.74)	ND(0.74)	ND(0.72)	ND(0.73)	ND(0.70)	ND(0.72)	ND(0.77)	NS	NS
2,6-Dinitrotoluene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
2-Chloronaphthalene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
2-Chlorophenol	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
2-Methyl naphthalene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
2-Methylphenol	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
2-Nitroaniline	ND(0.72)	ND(0.74)	ND(0.72)	ND(0.74)	ND(0.74)	ND(0.72)	ND(0.73)	ND(0.70)	ND(0.72)	ND(0.77)	NS	NS
2-Nitrophenol	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
3&4-Methylphenol	ND(0.37)	ND(0.38)	ND(0.36) J	ND(0.38) J	ND(0.37) J	ND(0.36) J	ND(0.37) J	ND(0.36) J	ND(0.37) J	ND(0.39) J	NS	NS
3,3-Dichlorobenzidine	ND(0.72)	ND(0.74)	ND(0.72)	ND(0.74)	ND(0.74)	ND(0.72)	ND(0.73)	ND(0.70)	ND(0.72)	ND(0.77)	NS	NS
3-Nitroaniline	ND(0.72)	ND(0.74) J	ND(0.72)	ND(0.74)	ND(0.74)	ND(0.72)	ND(0.73)	ND(0.70)	ND(0.72)	ND(0.77)	NS	NS
4,6-Dinitro-2-methylphenol	ND(0.72) J	ND(0.74)	ND(0.72)	ND(0.74)	ND(0.74)	ND(0.72)	ND(0.73)	ND(0.70)	ND(0.72) J	ND(0.77) J	NS	NS
4-Bromophenyl phenyl ether	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
4-Chloro-3-methylphenol	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	ACSP-B2B	ACSP-B2C	ACSP-B2D	ACSP-B2D	ACSP-B2D	ACSP-B2D	ACSP-B2D	ACSP-B2E	ACSP-B2E	ACSP-B2E	ACSP-B3A	ACSP-B3A
Sample Depth(feet):	12-14	8-10	0-2	14-16	2-4	24-26	4-6	0-2	22-24	8-10	0-0.5	10-12
Date Collected:	05/09/01	05/10/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/20/01	08/20/01	08/20/01	05/08/01	05/08/01
4-Chloroaniline	ND(0.72)	ND(0.74) J	ND(0.72)	ND(0.74)	ND(0.74)	ND(0.72)	ND(0.73)	ND(0.70)	ND(0.72)	ND(0.77)	NS	NS
4-Chlorophenyl phenyl ether	ND(0.72) J	ND(0.74)	ND(0.72)	ND(0.74)	ND(0.74)	ND(0.72)	ND(0.73)	ND(0.70)	ND(0.72)	ND(0.77)	NS	NS
4-Nitroaniline	ND(0.72)	ND(0.74) J	ND(0.72)	ND(0.74)	ND(0.74)	ND(0.72)	ND(0.73)	ND(0.70)	ND(0.72)	ND(0.77)	NS	NS
4-Nitrophenol	ND(0.72)	ND(0.74)	ND(0.72)	ND(0.74)	ND(0.74)	ND(0.72)	ND(0.73)	ND(0.70)	ND(0.72)	ND(0.77)	NS	NS
Acenaphthene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Acenaphthylene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Acetophenone	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Anthracene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Atrazine	ND(0.18)	ND(0.19)	ND(0.18) J	ND(0.19) J	ND(0.19) J	ND(0.18) J	ND(0.18) J	ND(0.18)	ND(0.18) J	ND(0.19) J	NS	NS
Benzaldehyde	ND(0.18) J	ND(0.19) J	ND(0.18) J	ND(0.19) J	ND(0.19) J	ND(0.18) J	ND(0.18) J	ND(0.18)	ND(0.18) J	ND(0.19) J	NS	NS
Benzo(a)anthracene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Benzo(a)pyrene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) J	ND(0.18)	ND(0.19)	NS	NS
Benzo(b)fluoranthene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) J	ND(0.18)	ND(0.19)	NS	NS
Benzo(g,h,i)perylene	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) J	ND(0.18) J	ND(0.19) J	NS	NS
Benzo(k)fluoranthene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) J	ND(0.18)	ND(0.19)	NS	NS
Biphenyl	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
bis(2-Chloroethoxy)methane	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
bis(2-Chloroethyl)ether	ND(0.036)	ND(0.036)	ND(0.035)	ND(0.037)	ND(0.036)	ND(0.035)	ND(0.036)	ND(0.035)	ND(0.035)	ND(0.038)	NS	NS
bis(2-Chloroisopropyl)ether	ND(0.18) J	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
bis(2-Ethylhexyl)phthalate	0.35	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Butyl benzylphthalate	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Caprolactam	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19) J	ND(0.19)	ND(0.18) J	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Carbazole	ND(0.18)	ND(0.19)	ND(0.18) J	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Chrysene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Di-n-butylphthalate	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Di-n-octyl phthalate	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) J	ND(0.18)	ND(0.19)	NS	NS
Dibenzo(a,h)anthracene	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) J	ND(0.18) J	ND(0.19) J	NS	NS
Dibenzofuran	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Diethyl phthalate	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	0.061 J	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Dimethyl phthalate	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Fluoranthene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Fluorene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Hexachlorobenzene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Hexachlorobutadiene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Hexachlorocyclopentadiene	ND(0.18) J	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18) J	ND(0.19) J	NS	NS
Hexachloroethane	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Indeno(1,2,3-cd)pyrene	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) J	ND(0.18) J	ND(0.19) J	NS	NS
Isophorone	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Methylphenols, Total	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.38)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.39)	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	ACSP-B2B	ACSP-B2C	ACSP-B2D	ACSP-B2D	ACSP-B2D	ACSP-B2D	ACSP-B2D	ACSP-B2E	ACSP-B2E	ACSP-B2E	ACSP-B3A	ACSP-B3A
Sample Depth(feet):	12-14	8-10	0-2	14-16	2-4	24-26	4-6	0-2	22-24	8-10	0-0.5	10-12
Date Collected:	05/09/01	05/10/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/20/01	08/20/01	08/20/01	05/08/01	05/08/01
N-Nitrosodi-n-propylamine	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
N-Nitrosodiphenylamine	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Naphthalene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Nitrobenzene	ND(0.072)	ND(0.074)	ND(0.072)	ND(0.074)	ND(0.074)	ND(0.072)	ND(0.073)	ND(0.070)	ND(0.072)	ND(0.077)	NS	NS
Pentachlorophenol	ND(0.72)	ND(0.74)	ND(0.72)	ND(0.74)	ND(0.74)	ND(0.72)	ND(0.73)	ND(0.70)	ND(0.72)	ND(0.77)	NS	NS
Phenanthrene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	0.035 J	ND(0.18)	ND(0.19)	NS	NS
Phenol	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Pyrene	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	NS	NS
Inorganics												
Antimony	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thallium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs												
Aroclor-1016	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)	ND(0.039)
Aroclor-1221	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)	ND(0.039)
Aroclor-1232	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)	ND(0.039)
Aroclor-1242	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)	ND(0.039)
Aroclor-1248	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)	ND(0.039)
Aroclor-1254	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)	ND(0.039)
Aroclor-1260	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)	0.062
Total PCBs	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)	0.062

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	ACSP-B3A	ACSP-B3A	ACSP-B3A	ACSP-B3D	ACSP-B3D	ACSP-B3D	ACSP-B3D	ACSP-B3D	ACSP-B3E	ACSP-B3E	ACSP-B3E
Sample Depth(feet):	12-14	4-6	6-8	0-2	10-12	12-14	5-7	7-9	0-2	2-4	4-6
Date Collected:	05/08/01	05/08/01	05/08/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/06/01	08/06/01	08/06/01
Volatiles											
1,1,1-Trichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1,2-Trichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Hexanone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzene, isopropyl	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromoform	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromomethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon tetrachloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
cis-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyclohexane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dichlorodifluoromethane (CFC-12)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
m&p-Xylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	ACSP-B3A	ACSP-B3A	ACSP-B3A	ACSP-B3D	ACSP-B3D	ACSP-B3D	ACSP-B3D	ACSP-B3D	ACSP-B3E	ACSP-B3E	ACSP-B3E
Sample Depth(feet):	12-14	4-6	6-8	0-2	10-12	12-14	5-7	7-9	0-2	2-4	4-6
Date Collected:	05/08/01	05/08/01	05/08/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/06/01	08/06/01	08/06/01
Methyl acetate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methyl Tert Butyl Ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylcyclohexane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
o-Xylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
trans-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichlorofluoromethane (CFC-11)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trifluorotrichloroethane (Freon 113)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vinyl chloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dichlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Chloronaphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Chlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methyl naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Nitroaniline	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Nitrophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3&4-Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3,3-Dichlorobenzidine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3-Nitroaniline	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4,6-Dinitro-2-methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Bromophenyl phenyl ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	ACSP-B3A	ACSP-B3A	ACSP-B3A	ACSP-B3D	ACSP-B3D	ACSP-B3D	ACSP-B3D	ACSP-B3D	ACSP-B3E	ACSP-B3E	ACSP-B3E
Sample Depth(feet):	12-14	4-6	6-8	0-2	10-12	12-14	5-7	7-9	0-2	2-4	4-6
Date Collected:	05/08/01	05/08/01	05/08/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/06/01	08/06/01	08/06/01
4-Chloroaniline	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Chlorophenyl phenyl ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Nitroaniline	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Nitrophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Atrazine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Biphenyl	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Chloroethoxy)methane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Chloroethyl)ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Chloroisopropyl)ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Butyl benzylphthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Caprolactam	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butylphthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-octyl phthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Diethyl phthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dimethyl phthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobutadiene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorocyclopentadiene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isophorone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylphenols, Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	ACSP-B3A	ACSP-B3A	ACSP-B3A	ACSP-B3D	ACSP-B3D	ACSP-B3D	ACSP-B3D	ACSP-B3D	ACSP-B3E	ACSP-B3E	ACSP-B3E
Sample Depth(feet):	12-14	4-6	6-8	0-2	10-12	12-14	5-7	7-9	0-2	2-4	4-6
Date Collected:	05/08/01	05/08/01	05/08/01	08/17/01	08/17/01	08/17/01	08/17/01	08/17/01	08/06/01	08/06/01	08/06/01
N-Nitrosodi-n-propylamine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
N-Nitrosodiphenylamine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nitrobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pentachlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Inorganics											
Antimony	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thallium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs											
Aroclor-1016	ND(0.041)	ND(0.042)	ND(0.20)	ND(0.037)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.040)	ND(0.037)	ND(0.15)	ND(0.038)
Aroclor-1221	ND(0.041)	ND(0.042)	ND(0.20)	ND(0.037)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.040)	ND(0.037)	ND(0.15)	ND(0.038)
Aroclor-1232	ND(0.041)	ND(0.042)	ND(0.20)	ND(0.037)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.040)	ND(0.037)	ND(0.15)	ND(0.038)
Aroclor-1242	ND(0.041)	ND(0.042)	ND(0.20)	ND(0.037)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.040)	ND(0.037)	ND(0.15)	ND(0.038)
Aroclor-1248	ND(0.041)	ND(0.042)	ND(0.20)	ND(0.037)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.040)	ND(0.037)	ND(0.15)	ND(0.038)
Aroclor-1254	ND(0.041)	ND(0.042)	ND(0.20)	ND(0.037)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.040)	ND(0.037)	ND(0.15)	ND(0.038)
Aroclor-1260	ND(0.041)	ND(0.042)	4.7	ND(0.037)	0.074	0.04 [0.068]	0.062	0.5	0.052	0.18	0.13
Total PCBs	ND(0.041)	ND(0.042)	4.7	ND(0.037)	0.074	0.04 [0.068]	0.062	0.5	0.052	0.18	0.13

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	ACSP-B3K	ACSP-B3K	ACSP-B3K	ACSP-B4A	ACSP-B4A	ACSP-B4A	ACSP-B4A	ACSP-B4A	ACSP-B4A	ACSP-B4A	ACSP-B4B
Sample Depth(feet):	0-2	2-4	4-6	0-2	10-12	12-14	2-4	4-6	6-8	8-10	0-2
Date Collected:	08/06/01	08/06/01	08/06/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01
Volatiles											
1,1,1-Trichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1,2-Trichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Hexanone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzene, isopropyl	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromoform	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromomethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon tetrachloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
cis-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyclohexane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dichlorodifluoromethane (CFC-12)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
m&p-Xylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	ACSP-B3K	ACSP-B3K	ACSP-B3K	ACSP-B4A	ACSP-B4A	ACSP-B4A	ACSP-B4A	ACSP-B4A	ACSP-B4A	ACSP-B4A	ACSP-B4B
Sample Depth(feet):	0-2	2-4	4-6	0-2	10-12	12-14	2-4	4-6	6-8	8-10	0-2
Date Collected:	08/06/01	08/06/01	08/06/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01
Methyl acetate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methyl Tert Butyl Ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylcyclohexane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
o-Xylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
trans-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichlorofluoromethane (CFC-11)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trifluorotrichloroethane (Freon 113)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vinyl chloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dichlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Chloronaphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Chlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methyl naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Nitroaniline	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Nitrophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3&4-Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3,3-Dichlorobenzidine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3-Nitroaniline	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4,6-Dinitro-2-methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Bromophenyl phenyl ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	ACSP-B3K	ACSP-B3K	ACSP-B3K	ACSP-B4A	ACSP-B4A	ACSP-B4A	ACSP-B4A	ACSP-B4A	ACSP-B4A	ACSP-B4A	ACSP-B4B
Sample Depth(feet):	0-2	2-4	4-6	0-2	10-12	12-14	2-4	4-6	6-8	8-10	0-2
Date Collected:	08/06/01	08/06/01	08/06/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01
4-Chloroaniline	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Chlorophenyl phenyl ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Nitroaniline	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Nitrophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Atrazine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Biphenyl	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Chloroethoxy)methane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Chloroethyl)ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Chloroisopropyl)ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Butyl benzylphthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Caprolactam	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butylphthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-octyl phthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Diethyl phthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dimethyl phthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobutadiene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorocyclopentadiene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isophorone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylphenols, Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	ACSP-B3K	ACSP-B3K	ACSP-B3K	ACSP-B4A	ACSP-B4A	ACSP-B4A	ACSP-B4A	ACSP-B4A	ACSP-B4A	ACSP-B4A	ACSP-B4B
Sample Depth(feet):	0-2	2-4	4-6	0-2	10-12	12-14	2-4	4-6	6-8	8-10	0-2
Date Collected:	08/06/01	08/06/01	08/06/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01
N-Nitrosodi-n-propylamine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
N-Nitrosodiphenylamine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nitrobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pentachlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Inorganics											
Antimony	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thallium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs											
Aroclor-1016	ND(0.037)	ND(0.039) [ND(0.041)]	ND(0.046)	ND(0.039)	ND(0.038)	ND(0.042)	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.036)	ND(0.038)
Aroclor-1221	ND(0.037)	ND(0.039) [ND(0.041)]	ND(0.046)	ND(0.039)	ND(0.038)	ND(0.042)	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.036)	ND(0.038)
Aroclor-1232	ND(0.037)	ND(0.039) [ND(0.041)]	ND(0.046)	ND(0.039)	ND(0.038)	ND(0.042)	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.036)	ND(0.038)
Aroclor-1242	ND(0.037)	ND(0.039) [ND(0.041)]	ND(0.046)	ND(0.039)	ND(0.038)	ND(0.042)	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.036)	ND(0.038)
Aroclor-1248	ND(0.037)	ND(0.039) [ND(0.041)]	ND(0.046)	ND(0.039)	ND(0.038)	ND(0.042)	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.036)	ND(0.038)
Aroclor-1254	ND(0.037)	ND(0.039) [ND(0.041)]	ND(0.046)	ND(0.039)	ND(0.038)	ND(0.042)	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.036)	ND(0.038)
Aroclor-1260	ND(0.037)	0.13 [0.49]	0.39	ND(0.039)	ND(0.038)	ND(0.042)	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.036)	ND(0.038)
Total PCBs	ND(0.037)	0.13 [0.49]	0.39	ND(0.039)	ND(0.038)	ND(0.042)	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.036)	ND(0.038)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	ACSP-B4B	ACSP-B4B	ACSP-B4B	ACSP-B4B	ACSP-B4B	BD 94 EP-01	BD 94 EP-01	BD 94 EP-01	BD 94 EP-02	BD 94 EP-02
Sample Depth(feet):	10-12	2-4	4-6	6-8	8-10	14-16	8-10	NA	0.33-2	16-18
Date Collected:	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/07/01	05/07/01	05/07/01	05/07/01	05/07/01
Volatiles										
1,1,1-Trichloroethane	NS	NS	NS	NS	NS	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.037)
1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	NS	ND(0.076)	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.075)
1,1,2-Trichloroethane	NS	NS	NS	NS	NS	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.037)
1,1-Dichloroethane	NS	NS	NS	NS	NS	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.037)
1,1-Dichloroethene	NS	NS	NS	NS	NS	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.037)
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NS	NS	NS	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)
1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	ND(0.076)	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.075)
1,2-Dichloroethane	NS	NS	NS	NS	NS	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.037)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	NS	NS	NS	NS	NS	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.037)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	ND(0.076)	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.075)
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	ND(0.076)	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.075)
2-Butanone	NS	NS	NS	NS	NS	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.27)
2-Hexanone	NS	NS	NS	NS	NS	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.27)
4-Methyl-2-pentanone	NS	NS	NS	NS	NS	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.27)
Acetone	NS	NS	NS	NS	NS	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.27)
Benzene	NS	NS	NS	NS	NS	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.037)
Benzene, isopropyl	NS	NS	NS	NS	NS	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)
Bromodichloromethane	NS	NS	NS	NS	NS	ND(0.076)	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.075)
Bromoform	NS	NS	NS	NS	NS	ND(0.076)	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.075)
Bromomethane	NS	NS	NS	NS	NS	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)
Carbon disulfide	NS	NS	NS	NS	NS	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)
Carbon tetrachloride	NS	NS	NS	NS	NS	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.037)
Chlorobenzene	NS	NS	NS	NS	NS	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.037)
Chloroethane	NS	NS	NS	NS	NS	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)
Chloroform	NS	NS	NS	NS	NS	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.037)
Chloromethane	NS	NS	NS	NS	NS	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)
cis-1,2-Dichloroethene	NS	NS	NS	NS	NS	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.037)
cis-1,3-Dichloropropene	NS	NS	NS	NS	NS	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.037)
Cyclohexane	NS	NS	NS	NS	NS	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)
Dibromochloromethane	NS	NS	NS	NS	NS	ND(0.076)	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.075)
Dichlorodifluoromethane (CFC-12)	NS	NS	NS	NS	NS	ND(0.076)	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.075)
Ethylbenzene	NS	NS	NS	NS	NS	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.037)
m&p-Xylene	NS	NS	NS	NS	NS	ND(0.076)	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.075)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	ACSP-B4B	ACSP-B4B	ACSP-B4B	ACSP-B4B	ACSP-B4B	BD 94 EP-01	BD 94 EP-01	BD 94 EP-01	BD 94 EP-02	BD 94 EP-02
Sample Depth(feet):	10-12	2-4	4-6	6-8	8-10	14-16	8-10	NA	0.33-2	16-18
Date Collected:	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/07/01	05/07/01	05/07/01	05/07/01	05/07/01
Methyl acetate	NS	NS	NS	NS	NS	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)
Methyl Tert Butyl Ether	NS	NS	NS	NS	NS	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.27)
Methylcyclohexane	NS	NS	NS	NS	NS	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)
Methylene chloride	NS	NS	NS	NS	NS	0.030 J	0.034 J	0.040 J	0.048 J	0.042 J
o-Xylene	NS	NS	NS	NS	NS	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.037)
Styrene	NS	NS	NS	NS	NS	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.037)
Tetrachloroethene	NS	NS	NS	NS	NS	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.037)
Toluene	NS	NS	NS	NS	NS	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.037)
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.037)
trans-1,3-Dichloropropene	NS	NS	NS	NS	NS	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.037)
Trichloroethene	NS	NS	NS	NS	NS	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.037)
Trichlorofluoromethane (CFC-11)	NS	NS	NS	NS	NS	ND(0.076)	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.075)
Trifluorotrichloroethane (Freon 113)	NS	NS	NS	NS	NS	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)
Vinyl chloride	NS	NS	NS	NS	NS	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.037)
Xylenes (total)	NS	NS	NS	NS	NS	ND(0.076)	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.075)
Semivolatiles										
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
2,4,6-Trichlorophenol	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
2,4-Dichlorophenol	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
2,4-Dimethylphenol	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
2,4-Dinitrophenol	NS	NS	NS	NS	NS	ND(0.72) J	ND(0.76) J	ND(0.75) J	ND(3.7)	ND(0.73) J
2,4-Dinitrotoluene	NS	NS	NS	NS	NS	ND(0.72)	ND(0.76)	ND(0.75)	ND(3.7)	ND(0.73)
2,6-Dinitrotoluene	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
2-Chloronaphthalene	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
2-Chlorophenol	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
2-Methyl naphthalene	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
2-Methylphenol	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
2-Nitroaniline	NS	NS	NS	NS	NS	ND(0.72)	ND(0.76)	ND(0.75)	ND(3.7)	ND(0.73)
2-Nitrophenol	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
3&4-Methylphenol	NS	NS	NS	NS	NS	ND(0.37)	ND(0.39)	ND(0.38)	ND(1.9)	ND(0.37)
3,3-Dichlorobenzidine	NS	NS	NS	NS	NS	ND(0.72)	ND(0.76)	ND(0.75)	ND(3.7) J	ND(0.73)
3-Nitroaniline	NS	NS	NS	NS	NS	ND(0.72)	ND(0.76)	ND(0.75)	ND(3.7)	ND(0.73)
4,6-Dinitro-2-methylphenol	NS	NS	NS	NS	NS	ND(0.72) J	ND(0.76)	ND(0.75) J	ND(3.7)	ND(0.73) J
4-Bromophenyl phenyl ether	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
4-Chloro-3-methylphenol	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	ACSP-B4B	ACSP-B4B	ACSP-B4B	ACSP-B4B	ACSP-B4B	BD 94 EP-01	BD 94 EP-01	BD 94 EP-01	BD 94 EP-02	BD 94 EP-02
Sample Depth(feet):	10-12	2-4	4-6	6-8	8-10	14-16	8-10	NA	0.33-2	16-18
Date Collected:	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/07/01	05/07/01	05/07/01	05/07/01	05/07/01
4-Chloroaniline	NS	NS	NS	NS	NS	ND(0.72)	ND(0.76)	ND(0.75)	ND(3.7)	ND(0.73)
4-Chlorophenyl phenyl ether	NS	NS	NS	NS	NS	ND(0.72)	ND(0.76)	ND(0.75)	ND(3.7)	ND(0.73)
4-Nitroaniline	NS	NS	NS	NS	NS	ND(0.72)	ND(0.76)	ND(0.75)	ND(3.7)	ND(0.73)
4-Nitrophenol	NS	NS	NS	NS	NS	ND(0.72)	ND(0.76)	ND(0.75)	ND(3.7)	ND(0.73)
Acenaphthene	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Acenaphthylene	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Acetophenone	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Anthracene	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Atrazine	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Benzaldehyde	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Benzo(a)anthracene	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95) J	ND(0.18)
Benzo(a)pyrene	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95) J	ND(0.18)
Benzo(b)fluoranthene	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95) J	ND(0.18)
Benzo(g,h,i)perylene	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95) J	ND(0.18)
Benzo(k)fluoranthene	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95) J	ND(0.18)
Biphenyl	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
bis(2-Chloroethoxy)methane	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
bis(2-Chloroethyl)ether	NS	NS	NS	NS	NS	ND(0.035)	ND(0.038)	ND(0.037)	ND(0.18)	ND(0.036)
bis(2-Chloroisopropyl)ether	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95) J	ND(0.18)
Butyl benzylphthalate	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95) J	ND(0.18)
Caprolactam	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Carbazole	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Chrysene	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95) J	ND(0.18)
Di-n-butylphthalate	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Di-n-octyl phthalate	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95) J	ND(0.18)
Dibenzo(a,h)anthracene	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95) J	ND(0.18)
Dibenzofuran	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Diethyl phthalate	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Dimethyl phthalate	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Fluoranthene	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Fluorene	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Hexachlorobenzene	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Hexachlorobutadiene	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Hexachlorocyclopentadiene	NS	NS	NS	NS	NS	ND(0.18) J	ND(0.19)	ND(0.19) J	ND(0.95)	ND(0.18) J
Hexachloroethane	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95) J	ND(0.18)
Isophorone	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Methylphenols, Total	NS	NS	NS	NS	NS	ND(0.37)	ND(0.39)	ND(0.38)	ND(1.9)	ND(0.37)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	ACSP-B4B	ACSP-B4B	ACSP-B4B	ACSP-B4B	ACSP-B4B	BD 94 EP-01	BD 94 EP-01	BD 94 EP-01	BD 94 EP-02	BD 94 EP-02
Sample Depth(feet):	10-12	2-4	4-6	6-8	8-10	14-16	8-10	NA	0.33-2	16-18
Date Collected:	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/07/01	05/07/01	05/07/01	05/07/01	05/07/01
N-Nitrosodi-n-propylamine	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
N-Nitrosodiphenylamine	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Naphthalene	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Nitrobenzene	NS	NS	NS	NS	NS	ND(0.072)	ND(0.076)	ND(0.075)	ND(0.37)	ND(0.073)
Pentachlorophenol	NS	NS	NS	NS	NS	ND(0.72)	ND(0.76)	ND(0.75)	ND(3.7)	ND(0.73)
Phenanthrene	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Phenol	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.95)	ND(0.18)
Pyrene	NS	NS	NS	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)	0.23 J	ND(0.18)
Inorganics										
Antimony	NS	NS	NS	NS	NS	ND(0.39) J	ND(0.40) J	ND(0.38) J	0.90 J	0.14 J
Arsenic	NS	NS	NS	NS	NS	4.9 J	6.3 J	6.9 J	6.8 J	5.4 J
Barium	NS	NS	NS	NS	NS	39 J	75 J	69 J	110 J	44 J
Beryllium	NS	NS	NS	NS	NS	0.28	0.64	0.38	0.46	0.28
Cadmium	NS	NS	NS	NS	NS	0.12 J	0.14 J	0.1	0.70 J	0.13
Chromium	NS	NS	NS	NS	NS	14	22	13	10	11 J
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	4.8	11	5.7	4.2	4.6
Copper	NS	NS	NS	NS	NS	9.7	16	10	14	9
Cyanide (total)	NS	NS	NS	NS	NS	0.13 J	0.027 J	0.077 J	0.088 J	ND(0.40)
Lead	NS	NS	NS	NS	NS	5.0 J	10 J	8.7 J	130 J	5.8 J
Manganese	NS	NS	NS	NS	NS	230 J	400 J	300 J	390 J	250 J
Mercury	NS	NS	NS	NS	NS	ND(0.075)	0.018 J	ND(0.079)	0.091	ND(0.070)
Nickel	NS	NS	NS	NS	NS	13	27	15	11	13
Selenium	NS	NS	NS	NS	NS	ND(1.6) J	ND(1.6) J	ND(1.5) J	ND(1.9) J	ND(1.8) J
Silver	NS	NS	NS	NS	NS	0.049 J	0.092 J	0.062 J	0.32 J	0.11 J
Thallium	NS	NS	NS	NS	NS	0.085 J	0.22 J	0.097 J	0.14 J	0.12 J
Vanadium	NS	NS	NS	NS	NS	17 J	34 J	24 J	15 J	17 J
Zinc	NS	NS	NS	NS	NS	27	49	39	190	39
PCBs										
Aroclor-1016	ND(0.040)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.20)	ND(0.038)
Aroclor-1221	ND(0.040)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.20)	ND(0.038)
Aroclor-1232	ND(0.040)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.20)	ND(0.038)
Aroclor-1242	ND(0.040)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.20)	ND(0.038)
Aroclor-1248	ND(0.040)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.20)	ND(0.038)
Aroclor-1254	ND(0.040)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	6.9	ND(0.038)
Aroclor-1260	ND(0.040)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.20)	ND(0.038)
Total PCBs	ND(0.040)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	6.9	ND(0.038)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	BD 94 EP-02	BD 94 EP-03	BD 94 EP-03	BD 94 EP-03	BD01-02	BD01-02	BD01-02	EP94-02A	EP94-02A	EP94-02B	EP94-02B
Sample Depth(feet):	8-10	16-18	8-10	NA	0-2	12-14	8-10	2.5-4.5	4.5-6.5	0.5-2.5	2.5-4.5
Date Collected:	05/07/01	05/08/01	05/08/01	05/08/01	11/30/01	11/30/01	11/30/01	08/17/01	08/17/01	08/17/01	08/17/01
Volatiles											
1,1,1-Trichloroethane	ND(0.041)	ND(0.043) [ND(0.042)]	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.038)
1,1,2,2-Tetrachloroethane	ND(0.081)	ND(0.086) [ND(0.084)]	ND(0.076)	ND(0.078)	ND(0.085)	ND(0.073)	ND(0.082)	ND(0.080)	ND(0.074)	ND(0.079)	ND(0.077)
1,1,2-Trichloroethane	ND(0.041)	ND(0.043) [ND(0.042)]	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.038)
1,1-Dichloroethane	ND(0.041)	ND(0.043) [ND(0.042)]	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.038)
1,1-Dichloroethene	ND(0.041)	ND(0.043) [ND(0.042)]	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.038)
1,2,4-Trichlorobenzene	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)
1,2-Dibromoethane (EDB)	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)
1,2-Dichlorobenzene	ND(0.081)	ND(0.086) [ND(0.084)]	ND(0.076)	ND(0.078)	ND(0.085)	ND(0.073)	ND(0.082)	ND(0.080)	ND(0.074)	ND(0.079)	ND(0.077)
1,2-Dichloroethane	ND(0.041)	ND(0.043) [ND(0.042)]	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.038)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.041)	ND(0.043) [ND(0.042)]	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.038)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.081)	ND(0.086) [ND(0.084)]	ND(0.076)	ND(0.078)	ND(0.085)	ND(0.073)	ND(0.082)	ND(0.080)	ND(0.074)	ND(0.079)	ND(0.077)
1,4-Dichlorobenzene	ND(0.081)	ND(0.086) [ND(0.084)]	ND(0.076)	ND(0.078)	ND(0.085)	ND(0.073)	ND(0.082)	ND(0.080)	ND(0.074)	ND(0.079)	ND(0.077)
2-Butanone	ND(0.29)	ND(0.31) [ND(0.30)]	ND(0.27)	ND(0.28)	ND(0.30)	ND(0.26)	ND(0.29)	ND(0.29)	ND(0.27)	ND(0.28)	ND(0.27)
2-Hexanone	ND(0.29)	ND(0.31) [ND(0.30)]	ND(0.27)	ND(0.28)	ND(0.30)	ND(0.26)	ND(0.29)	ND(0.29) J	ND(0.27) J	ND(0.28) J	ND(0.27) J
4-Methyl-2-pentanone	ND(0.29)	ND(0.31) [ND(0.30)]	ND(0.27)	ND(0.28)	ND(0.30)	ND(0.26)	ND(0.29)	ND(0.29)	ND(0.27)	ND(0.28)	ND(0.27)
Acetone	ND(0.29)	ND(0.31) [ND(0.30)]	ND(0.27)	ND(0.28)	ND(0.30)	ND(0.26)	ND(0.29)	ND(0.29) J	ND(0.27) J	ND(0.28) J	ND(0.27) J
Benzene	ND(0.041)	ND(0.043) [ND(0.042)]	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.038)
Benzene, isopropyl	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)
Bromodichloromethane	ND(0.081)	ND(0.086) [ND(0.084)]	ND(0.076)	ND(0.078)	ND(0.085)	ND(0.073)	ND(0.082)	ND(0.080)	ND(0.074)	ND(0.079)	ND(0.077)
Bromoform	ND(0.081)	ND(0.086) [ND(0.084)]	ND(0.076)	ND(0.078)	ND(0.085)	ND(0.073)	ND(0.082)	ND(0.080)	ND(0.074)	ND(0.079)	ND(0.077)
Bromomethane	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)
Carbon disulfide	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)
Carbon tetrachloride	ND(0.041)	ND(0.043) [ND(0.042)]	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.038)
Chlorobenzene	ND(0.041)	ND(0.043) [ND(0.042)]	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.038)
Chloroethane	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17) J	ND(0.16) J	ND(0.17) J	ND(0.16) J
Chloroform	ND(0.041)	ND(0.043) [ND(0.042)]	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.038)
Chloromethane	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17) J	ND(0.16) J	ND(0.17) J	ND(0.16) J
cis-1,2-Dichloroethene	ND(0.041)	ND(0.043) [ND(0.042)]	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.038)
cis-1,3-Dichloropropene	ND(0.041)	ND(0.043) [ND(0.042)]	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.038)
Cyclohexane	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17) J	ND(0.16) J	ND(0.17) J	ND(0.16) J
Dibromochloromethane	ND(0.081)	ND(0.086) [ND(0.084)]	ND(0.076)	ND(0.078)	ND(0.085)	ND(0.073)	ND(0.082)	ND(0.080)	ND(0.074)	ND(0.079)	ND(0.077)
Dichlorodifluoromethane (CFC-12)	ND(0.081)	ND(0.086) [ND(0.084)]	ND(0.076)	ND(0.078)	ND(0.085)	ND(0.073)	ND(0.082)	ND(0.080)	ND(0.074)	ND(0.079)	ND(0.077)
Ethylbenzene	ND(0.041)	ND(0.043) [ND(0.042)]	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.038)
m&p-Xylene	ND(0.081)	ND(0.086) [ND(0.084)]	ND(0.076)	ND(0.078)	ND(0.085)	ND(0.073)	ND(0.082)	ND(0.080)	ND(0.074)	ND(0.079)	ND(0.077)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	BD 94 EP-02	BD 94 EP-03	BD 94 EP-03	BD 94 EP-03	BD01-02	BD01-02	BD01-02	EP94-02A	EP94-02A	EP94-02B	EP94-02B
Sample Depth(feet):	8-10	16-18	8-10	NA	0-2	12-14	8-10	2.5-4.5	4.5-6.5	0.5-2.5	2.5-4.5
Date Collected:	05/07/01	05/08/01	05/08/01	05/08/01	11/30/01	11/30/01	11/30/01	08/17/01	08/17/01	08/17/01	08/17/01
Methyl acetate	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.17)	0.12 J	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	0.038 J	ND(0.16)
Methyl Tert Butyl Ether	ND(0.29)	ND(0.31) [ND(0.30)]	ND(0.27)	ND(0.28)	ND(0.30)	ND(0.26)	ND(0.29)	ND(0.29)	ND(0.27)	ND(0.28)	ND(0.27)
Methylcyclohexane	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.17)	0.064 J	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)
Methylene chloride	0.041 J	0.037 J [0.031 J]	0.029 J	0.025 J	ND(0.18)	0.047 J	ND(0.17)	ND(0.17) J	ND(0.16) J	ND(0.17) J	ND(0.16) J
o-Xylene	ND(0.041)	ND(0.043) [ND(0.042)]	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.038)
Styrene	ND(0.041)	ND(0.043) [ND(0.042)]	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.038)
Tetrachloroethene	ND(0.041)	ND(0.043) [ND(0.042)]	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.038)
Toluene	ND(0.041)	ND(0.043) [ND(0.042)]	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.038)
trans-1,2-Dichloroethene	ND(0.041)	ND(0.043) [ND(0.042)]	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.038)
trans-1,3-Dichloropropene	ND(0.041)	ND(0.043) [ND(0.042)]	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.038)
Trichloroethene	ND(0.041)	ND(0.043) [ND(0.042)]	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.038)
Trichlorofluoromethane (CFC-11)	ND(0.081)	ND(0.086) [ND(0.084)]	ND(0.076)	ND(0.078)	ND(0.085)	ND(0.073)	ND(0.082)	ND(0.080)	ND(0.074)	ND(0.079)	ND(0.077)
Trifluorotrichloroethane (Freon 113)	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)
Vinyl chloride	ND(0.041)	ND(0.043) [ND(0.042)]	ND(0.038)	ND(0.039)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.038)
Xylenes (total)	ND(0.081)	ND(0.086) [ND(0.084)]	ND(0.076)	ND(0.078)	ND(0.085)	ND(0.073)	ND(0.082)	ND(0.080)	ND(0.074)	ND(0.079)	ND(0.077)
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
2,4,6-Trichlorophenol	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
2,4-Dichlorophenol	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
2,4-Dimethylphenol	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
2,4-Dinitrophenol	ND(0.77) J	ND(0.83) J [ND(0.81) J]	ND(0.74) J	ND(0.75) J	ND(0.79)	ND(0.70)	ND(0.77)	ND(0.76)	ND(0.72)	ND(0.76)	ND(0.73)
2,4-Dinitrotoluene	ND(0.77)	ND(0.83) [ND(0.81)]	ND(0.74)	ND(0.75)	ND(0.79)	ND(0.70)	ND(0.77)	ND(0.76)	ND(0.72)	ND(0.76)	ND(0.73)
2,6-Dinitrotoluene	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
2-Chloronaphthalene	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
2-Chlorophenol	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
2-Methyl naphthalene	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
2-Methylphenol	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
2-Nitroaniline	ND(0.77)	ND(0.83) [ND(0.81)]	ND(0.74)	ND(0.75)	ND(0.79)	ND(0.70)	ND(0.77)	ND(0.76)	ND(0.72)	ND(0.76)	ND(0.73)
2-Nitrophenol	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
3&4-Methylphenol	ND(0.39)	ND(0.42) [ND(0.41)]	ND(0.38)	ND(0.38)	ND(0.40)	ND(0.36)	ND(0.39)	ND(0.39) J	ND(0.36) J	ND(0.39) J	ND(0.37) J
3,3-Dichlorobenzidine	ND(0.77)	ND(0.83) [ND(0.81)]	ND(0.74)	ND(0.75)	ND(0.79)	ND(0.70)	ND(0.77)	ND(0.76) J	ND(0.72)	ND(0.76) J	ND(0.73)
3-Nitroaniline	ND(0.77)	ND(0.83) [ND(0.81)]	ND(0.74)	ND(0.75)	ND(0.79)	ND(0.70)	ND(0.77)	ND(0.76)	ND(0.72)	ND(0.76)	ND(0.73)
4,6-Dinitro-2-methylphenol	ND(0.77) J	ND(0.83) J [ND(0.81)]	ND(0.74)	ND(0.75)	ND(0.79)	ND(0.70)	ND(0.77)	ND(0.76)	ND(0.72)	ND(0.76)	ND(0.73)
4-Bromophenyl phenyl ether	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
4-Chloro-3-methylphenol	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	BD 94 EP-02	BD 94 EP-03	BD 94 EP-03	BD 94 EP-03	BD01-02	BD01-02	BD01-02	EP94-02A	EP94-02A	EP94-02B	EP94-02B
Sample Depth(feet):	8-10	16-18	8-10	NA	0-2	12-14	8-10	2.5-4.5	4.5-6.5	0.5-2.5	2.5-4.5
Date Collected:	05/07/01	05/08/01	05/08/01	05/08/01	11/30/01	11/30/01	11/30/01	08/17/01	08/17/01	08/17/01	08/17/01
4-Chloroaniline	ND(0.77)	ND(0.83) [ND(0.81)]	ND(0.74)	ND(0.75)	ND(0.79)	ND(0.70)	ND(0.77)	ND(0.76)	ND(0.72)	ND(0.76)	ND(0.73)
4-Chlorophenyl phenyl ether	ND(0.77)	ND(0.83) [ND(0.81)]	ND(0.74)	ND(0.75)	ND(0.79)	ND(0.70)	ND(0.77)	ND(0.76)	ND(0.72)	ND(0.76)	ND(0.73)
4-Nitroaniline	ND(0.77)	ND(0.83) [ND(0.81)]	ND(0.74)	ND(0.75)	ND(0.79)	ND(0.70)	ND(0.77)	ND(0.76)	ND(0.72)	ND(0.76)	ND(0.73)
4-Nitrophenol	ND(0.77)	ND(0.83) [ND(0.81)]	ND(0.74)	ND(0.75)	ND(0.79)	ND(0.70)	ND(0.77)	ND(0.76)	ND(0.72)	ND(0.76)	ND(0.73)
Acenaphthene	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	0.049 J	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Acenaphthylene	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Acetophenone	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Anthracene	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	0.15 J	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Atrazine	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.18) J	ND(0.19)	ND(0.19) J
Benzaldehyde	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.18) J	ND(0.19)	ND(0.19) J
Benzo(a)anthracene	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	0.39	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.18)	ND(0.19) J	ND(0.19)
Benzo(a)pyrene	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	0.42	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)
Benzo(b)fluoranthene	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	0.45	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)
Benzo(g,h,i)perylene	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	0.22	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.18)	0.062 J	ND(0.19)
Benzo(k)fluoranthene	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	0.43	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)
Biphenyl	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
bis(2-Chloroethoxy)methane	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
bis(2-Chloroethyl)ether	ND(0.038)	ND(0.041) [ND(0.040)]	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.035)	ND(0.038)	ND(0.037) J	ND(0.035)	ND(0.038)	ND(0.036)
bis(2-Chloroisopropyl)ether	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
bis(2-Ethylhexyl)phthalate	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.18)	ND(0.19) J	ND(0.19)
Butyl benzylphthalate	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	0.20 J	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.18)	ND(0.19) J	ND(0.19)
Caprolactam	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)
Carbazole	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	0.064 J	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Chrysene	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	0.45	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.18)	ND(0.19) J	ND(0.19)
Di-n-butylphthalate	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Di-n-octyl phthalate	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)
Dibenzo(a,h)anthracene	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	0.15 J	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)
Dibenzofuran	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	0.047 J	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Diethyl phthalate	ND(0.20)	0.071 J [ND(0.20)]	ND(0.19)	0.094 J	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Dimethyl phthalate	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Fluoranthene	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	0.93	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	0.056 J	ND(0.19)
Fluorene	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	0.064 J	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Hexachlorobenzene	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Hexachlorobutadiene	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Hexachlorocyclopentadiene	ND(0.20)	ND(0.21) J [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Hexachloroethane	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Indeno(1,2,3-cd)pyrene	ND(0.20) J	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	0.2	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.18)	0.14 J	ND(0.19)
Isophorone	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Methylphenols, Total	ND(0.39)	ND(0.42) [ND(0.41)]	ND(0.38)	ND(0.38)	ND(0.40)	ND(0.36)	ND(0.39)	ND(0.39)	ND(0.36)	ND(0.39)	ND(0.37)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	BD 94 EP-02	BD 94 EP-03	BD 94 EP-03	BD 94 EP-03	BD01-02	BD01-02	BD01-02	EP94-02A	EP94-02A	EP94-02B	EP94-02B
Sample Depth(feet):	8-10	16-18	8-10	NA	0-2	12-14	8-10	2.5-4.5	4.5-6.5	0.5-2.5	2.5-4.5
Date Collected:	05/07/01	05/08/01	05/08/01	05/08/01	11/30/01	11/30/01	11/30/01	08/17/01	08/17/01	08/17/01	08/17/01
N-Nitrosodi-n-propylamine	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
N-Nitrosodiphenylamine	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Naphthalene	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Nitrobenzene	ND(0.077)	ND(0.083) [ND(0.081)]	ND(0.074)	ND(0.075)	ND(0.079)	ND(0.070)	ND(0.077)	ND(0.076)	ND(0.072)	ND(0.076)	ND(0.073)
Pentachlorophenol	ND(0.77)	ND(0.83) [ND(0.81)]	ND(0.74)	ND(0.75)	ND(0.79)	ND(0.70)	ND(0.77)	ND(0.76)	ND(0.72)	ND(0.76)	ND(0.73)
Phenanthrene	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	0.74	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	0.045 J	ND(0.19)
Phenol	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Pyrene	ND(0.20)	ND(0.21) [ND(0.20)]	ND(0.19)	ND(0.19)	0.93	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.18)	0.053 J	ND(0.19)
Inorganics											
Antimony	ND(0.43) J	ND(0.41) J [ND(0.48) J]	ND(0.40) J	ND(0.49) J	ND(0.15)	ND(0.15)	ND(0.16)	NS	NS	NS	NS
Arsenic	10 J(RDC)	10 J(RDC) [9.9 J(RDC)]	5.0 J	8.4 J(RDC)	5	1.6	4.7	NS	NS	NS	NS
Barium	54 J	93 J [87 J]	36 J	62 J	48	4.5	25	NS	NS	NS	NS
Beryllium	0.69	0.81 [0.81]	0.4	0.52	0.32	0.048 J	0.22	NS	NS	NS	NS
Cadmium	0.12 J	0.13 J [0.15 J]	0.13 J	0.14 J	0.44	0.049	0.084	NS	NS	NS	NS
Chromium	23	28 [28]	14	15	27	4	8.4	NS	NS	NS	NS
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	12	14 [13]	6.1	6.9	5.6	1.5	4.8	NS	NS	NS	NS
Copper	16	19 [19]	11	14	16	3.2	9.9	NS	NS	NS	NS
Cyanide (total)	ND(0.40)	0.039 J [0.079 J]	0.059 J	0.14 J	0.061 J	ND(0.20)	ND(0.20)	NS	NS	NS	NS
Lead	10 J	14 J [13 J]	7.4 J	12 J	91	2.1	5.4	NS	NS	NS	NS
Manganese	410 J	400 J [420 J]	310 J	300 J	260	110	280	NS	NS	NS	NS
Mercury	0.023 J	ND(0.084) [0.023 J]	ND(0.076)	0.033 J	0.045 J	ND(0.073)	ND(0.076)	NS	NS	NS	NS
Nickel	29	35 [34]	17	16	15	4.2	12	NS	NS	NS	NS
Selenium	ND(1.7) J	ND(1.6) J [ND(1.9) J]	ND(1.6) J	ND(2.0) J	0.29	0.051 J	ND(0.065)	NS	NS	NS	NS
Silver	0.097 J	0.16 J [0.15 J]	0.082 J	0.17 J	0.13 J	0.0040 J	0.030 J	NS	NS	NS	NS
Thallium	0.22 J	0.29 J [0.31 J]	0.12 J	0.30 J	0.11 J	0.025 J	0.10 J	NS	NS	NS	NS
Vanadium	38 J	45 J [41 J]	23 J	24 J	15	4.4	15	NS	NS	NS	NS
Zinc	50	58 [56]	35	46	56	11	41	NS	NS	NS	NS
PCBs											
Aroclor-1016	ND(0.040)	ND(0.043) [ND(0.042)]	ND(0.039)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)
Aroclor-1221	ND(0.040)	ND(0.043) [ND(0.042)]	ND(0.039)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)
Aroclor-1232	ND(0.040)	ND(0.043) [ND(0.042)]	ND(0.039)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)
Aroclor-1242	ND(0.040)	ND(0.043) [ND(0.042)]	ND(0.039)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)
Aroclor-1248	ND(0.040)	ND(0.043) [ND(0.042)]	ND(0.039)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)
Aroclor-1254	ND(0.040)	ND(0.043) [ND(0.042)]	ND(0.039)	ND(0.039)	0.016 J	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)
Aroclor-1260	ND(0.040)	ND(0.043) [ND(0.042)]	ND(0.039)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)
Total PCBs	ND(0.040)	ND(0.043) [ND(0.042)]	ND(0.039)	ND(0.039)	0.016	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI Dup 1-UNKPAR	RFI-02-01	RFI-02-01	RFI-02-02	RFI-02-02	RFI-02-03	RFI-02-03	RFI-02-04	RFI-02-04	RFI-02-04	RFI-02-05	RFI-02-05
Sample Depth(feet):	NA	1-2	8-10	0.5-2	8-10	0.9-2	8-10	1.1-2	6-8	8-10	0.7-2	2-4
Date Collected:	03/27/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/10/01	05/10/01	05/10/01	05/18/01	05/18/01
Volatiles												
1,1,1-Trichloroethane	0.077	ND(0.042)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.043)	ND(0.042)
1,1,2,2-Tetrachloroethane	ND(0.075)	ND(0.084)	ND(0.078)	ND(0.084)	ND(0.078)	ND(0.082)	ND(0.081)	ND(0.075)	ND(0.078)	ND(0.080)	ND(0.087)	ND(0.084)
1,1,2-Trichloroethane	ND(0.037)	ND(0.042)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.043)	ND(0.042)
1,1-Dichloroethane	ND(0.037)	ND(0.042)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.043)	ND(0.042)
1,1-Dichloroethene	ND(0.037)	ND(0.042)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.043)	ND(0.042)
1,2,4-Trichlorobenzene	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.19)	ND(0.18)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.19)	ND(0.18)
1,2-Dibromoethane (EDB)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.19)	ND(0.18)
1,2-Dichlorobenzene	ND(0.075)	ND(0.084)	ND(0.078)	ND(0.084)	ND(0.078)	ND(0.082)	ND(0.081)	ND(0.075)	ND(0.078)	ND(0.080)	ND(0.087)	ND(0.084)
1,2-Dichloroethane	ND(0.037)	ND(0.042)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.043)	ND(0.042)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.037)	ND(0.042)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.043)	ND(0.042)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.075)	ND(0.084)	ND(0.078)	ND(0.084)	ND(0.078)	ND(0.082)	ND(0.081)	ND(0.075)	ND(0.078)	ND(0.080)	ND(0.087)	ND(0.084)
1,4-Dichlorobenzene	ND(0.075)	ND(0.084)	ND(0.078)	ND(0.084)	ND(0.078)	ND(0.082)	ND(0.081)	ND(0.075)	ND(0.078)	ND(0.080)	ND(0.087)	ND(0.084)
2-Butanone	ND(0.27)	ND(0.30)	ND(0.28)	ND(0.30)	ND(0.28)	ND(0.29)	ND(0.29)	ND(0.27)	ND(0.28)	ND(0.29)	ND(0.31)	0.088 J
2-Hexanone	ND(0.27)	ND(0.30)	ND(0.28)	ND(0.30)	ND(0.28)	ND(0.29)	ND(0.29)	ND(0.27)	ND(0.28)	ND(0.29)	ND(0.31)	ND(0.30)
4-Methyl-2-pentanone	ND(0.27)	ND(0.30)	ND(0.28)	ND(0.30)	ND(0.28)	ND(0.29)	ND(0.29)	ND(0.27)	ND(0.28)	ND(0.29)	ND(0.31)	ND(0.30)
Acetone	0.087 J	ND(0.30)	ND(0.28)	ND(0.30)	ND(0.28)	ND(0.29)	ND(0.29)	ND(0.27)	ND(0.28)	ND(0.29)	ND(0.31)	0.17 J
Benzene	ND(0.037)	ND(0.042)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.040)	0.048	ND(0.042)
Benzene, isopropyl	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	0.038 J	ND(0.18)
Bromodichloromethane	ND(0.075)	ND(0.084)	ND(0.078)	ND(0.084)	ND(0.078)	ND(0.082)	ND(0.081)	ND(0.075)	ND(0.078)	ND(0.080)	ND(0.087)	ND(0.084)
Bromoform	ND(0.075)	ND(0.084)	ND(0.078)	ND(0.084)	ND(0.078)	ND(0.082)	ND(0.081)	ND(0.075)	ND(0.078)	ND(0.080)	ND(0.087)	ND(0.084)
Bromomethane	ND(0.16) J	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.19) J	ND(0.18) J
Carbon disulfide	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.19)	ND(0.18)
Carbon tetrachloride	ND(0.037)	ND(0.042)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.043)	ND(0.042)
Chlorobenzene	ND(0.037)	ND(0.042)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.043)	ND(0.042)
Chloroethane	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.19)	ND(0.18)
Chloroform	ND(0.037)	ND(0.042)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.043)	ND(0.042)
Chloromethane	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.19)	ND(0.18)
cis-1,2-Dichloroethene	ND(0.037)	ND(0.042)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.043) J	ND(0.042) J
cis-1,3-Dichloropropene	ND(0.037)	ND(0.042)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.043)	ND(0.042)
Cyclohexane	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	0.11 J	ND(0.18) J
Dibromochloromethane	ND(0.075)	ND(0.084)	ND(0.078)	ND(0.084)	ND(0.078)	ND(0.082)	ND(0.081)	ND(0.075)	ND(0.078)	ND(0.080)	ND(0.087)	ND(0.084)
Dichlorodifluoromethane (CFC-12)	ND(0.075) J	ND(0.084)	ND(0.078)	ND(0.084)	ND(0.078)	ND(0.082)	ND(0.081)	ND(0.075)	ND(0.078)	ND(0.080)	ND(0.087)	ND(0.084)
Ethylbenzene	ND(0.037)	ND(0.042)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.040)	0.14	0.011 J
m&p-Xylene	ND(0.075)	ND(0.084)	ND(0.078)	ND(0.084)	ND(0.078)	ND(0.082)	ND(0.081)	0.043 J	0.049 J	ND(0.080)	0.67	0.035 J

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI Dup 1-UNKPAR	RFI-02-01	RFI-02-01	RFI-02-02	RFI-02-02	RFI-02-03	RFI-02-03	RFI-02-04	RFI-02-04	RFI-02-04	RFI-02-05	RFI-02-05
Sample Depth(feet):	NA	1-2	8-10	0.5-2	8-10	0.9-2	8-10	1.1-2	6-8	8-10	0.7-2	2-4
Date Collected:	03/27/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/10/01	05/10/01	05/10/01	05/18/01	05/18/01
Methyl acetate	ND(0.16) J	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	0.12 J	ND(0.17)	0.18 J	0.23
Methyl Tert Butyl Ether	ND(0.27)	ND(0.30)	ND(0.28)	ND(0.30)	ND(0.28)	ND(0.29)	ND(0.29)	ND(0.27)	ND(0.28)	ND(0.29)	ND(0.31)	ND(0.30)
Methylcyclohexane	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	0.38	ND(0.18)
Methylene chloride	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.19)	ND(0.18)
o-Xylene	ND(0.037)	ND(0.042)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.040)	0.35	0.016 J
Styrene	ND(0.037)	ND(0.042)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.043)	ND(0.042)
Tetrachloroethene	ND(0.037)	ND(0.042)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.043)	ND(0.042)
Toluene	ND(0.037)	ND(0.042)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.040)	0.37	ND(0.042)
trans-1,2-Dichloroethene	ND(0.037)	ND(0.042)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.043)	ND(0.042)
trans-1,3-Dichloropropene	ND(0.037)	ND(0.042)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.043)	ND(0.042)
Trichloroethene	ND(0.037)	ND(0.042)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.043)	ND(0.042)
Trichlorofluoromethane (CFC-11)	ND(0.075)	ND(0.084)	ND(0.078)	ND(0.084)	ND(0.078)	ND(0.082)	ND(0.081)	ND(0.075)	ND(0.078)	ND(0.080)	ND(0.087)	ND(0.084)
Trifluorotrichloroethane (Freon 113)	ND(0.16) J	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.19)	ND(0.18)
Vinyl chloride	ND(0.037)	ND(0.042)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.043)	ND(0.042)
Xylenes (total)	ND(0.075)	ND(0.084)	ND(0.078)	ND(0.084)	ND(0.078)	ND(0.082)	ND(0.081)	0.043	0.049	ND(0.080)	1	0.051
Semivolatiles												
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
2,4,6-Trichlorophenol	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
2,4-Dichlorophenol	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
2,4-Dimethylphenol	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
2,4-Dinitrophenol	ND(0.73)	ND(0.82)	ND(0.76)	ND(0.79)	ND(0.75)	ND(0.77)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.78)	ND(0.84) J	ND(0.81)
2,4-Dinitrotoluene	ND(0.73)	ND(0.82)	ND(0.76)	ND(0.79)	ND(0.75)	ND(0.77)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.78)	ND(0.84)	ND(0.81)
2,6-Dinitrotoluene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
2-Chloronaphthalene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
2-Chlorophenol	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
2-Methyl naphthalene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
2-Methylphenol	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
2-Nitroaniline	ND(0.73)	ND(0.82)	ND(0.76)	ND(0.79)	ND(0.75)	ND(0.77)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.78)	ND(0.84)	ND(0.81)
2-Nitrophenol	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
3&4-Methylphenol	ND(0.37)	ND(0.42)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.39)	ND(0.37)	ND(0.38)	ND(0.40)	ND(0.42)	ND(0.41)
3,3-Dichlorobenzidine	ND(0.73)	ND(0.82)	ND(0.76)	ND(0.79)	ND(0.75)	ND(0.77)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.78)	ND(0.84)	ND(0.81)
3-Nitroaniline	ND(0.73)	ND(0.82)	ND(0.76)	ND(0.79)	ND(0.75)	ND(0.77)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.78)	ND(0.84)	ND(0.81)
4,6-Dinitro-2-methylphenol	ND(0.73)	ND(0.82)	ND(0.76)	ND(0.79)	ND(0.75)	ND(0.77)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.78)	ND(0.84) J	ND(0.81)
4-Bromophenyl phenyl ether	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
4-Chloro-3-methylphenol	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI Dup 1-UNKPAR	RFI-02-01	RFI-02-01	RFI-02-02	RFI-02-02	RFI-02-03	RFI-02-03	RFI-02-04	RFI-02-04	RFI-02-04	RFI-02-05	RFI-02-05
Sample Depth(feet):	NA	1-2	8-10	0.5-2	8-10	0.9-2	8-10	1.1-2	6-8	8-10	0.7-2	2-4
Date Collected:	03/27/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/10/01	05/10/01	05/10/01	05/18/01	05/18/01
4-Chloroaniline	ND(0.73) J	ND(0.82)	ND(0.76)	ND(0.79)	ND(0.75)	ND(0.77)	ND(0.78)	ND(0.73) J	ND(0.75)	ND(0.78) J	ND(0.84)	ND(0.81)
4-Chlorophenyl phenyl ether	ND(0.73)	ND(0.82)	ND(0.76)	ND(0.79)	ND(0.75)	ND(0.77)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.78)	ND(0.84)	ND(0.81)
4-Nitroaniline	ND(0.73)	ND(0.82)	ND(0.76)	ND(0.79)	ND(0.75)	ND(0.77)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.78)	ND(0.84)	ND(0.81)
4-Nitrophenol	ND(0.73)	ND(0.82)	ND(0.76)	ND(0.79)	ND(0.75)	ND(0.77)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.78)	ND(0.84)	ND(0.81)
Acenaphthene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	0.8	ND(0.20)	ND(0.21)	ND(0.21)
Acenaphthylene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	0.11 J	ND(0.20)	ND(0.21)	ND(0.21)
Acetophenone	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
Anthracene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	1.4	ND(0.20)	0.051 J	ND(0.21)
Atrazine	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
Benzaldehyde	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20) J	ND(0.21) J	ND(0.21)
Benzo(a)anthracene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	0.041 J	4.4	0.055 J	0.079 J	ND(0.21)
Benzo(a)pyrene	ND(0.18)	0.053 J	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	0.047 J	5.1 DJ(RDC)	ND(0.20)	0.056 J	0.63 J
Benzo(b)fluoranthene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	0.048 J	7.5 EJ	0.071 J	0.057 J	ND(0.21)
Benzo(g,h,i)perylene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	2.0 J	ND(0.20)	ND(0.21)	ND(0.21)
Benzo(k)fluoranthene	ND(0.18)	0.046 J	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	0.040 J	3.6 EJ	0.061 J	0.045 J	ND(0.21)
Biphenyl	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
bis(2-Chloroethoxy)methane	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
bis(2-Chloroethyl)ether	ND(0.036)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.038)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.038)	ND(0.041) J	ND(0.040)
bis(2-Chloroisopropyl)ether	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
bis(2-Ethylhexyl)phthalate	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	1.4	0.21
Butyl benzylphthalate	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
Caprolactam	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) J	ND(0.20)	ND(0.21)	ND(0.21)
Carbazole	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	1.1	ND(0.20)	ND(0.21)	ND(0.21)
Chrysene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	0.042 J	ND(0.20)	0.065 J	5.2 D	0.068 J	0.087 J	0.090 J
Di-n-butylphthalate	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	0.070 J	ND(0.21)
Di-n-octyl phthalate	0.25	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19) J	ND(0.20)	ND(0.21)	ND(0.21)
Dibenzo(a,h)anthracene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	0.66 J	ND(0.20)	ND(0.21)	ND(0.21)
Dibenzofuran	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	0.3	ND(0.20)	0.083 J	ND(0.21)
Diethyl phthalate	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	0.057 J	0.058 J	ND(0.21)	ND(0.21)
Dimethyl phthalate	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
Fluoranthene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	0.056 J	ND(0.20)	0.076 J	14 D	0.15 J	0.14 J	ND(0.21)
Fluorene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	0.62	ND(0.20)	ND(0.21)	ND(0.21)
Hexachlorobenzene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
Hexachlorobutadiene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
Hexachlorocyclopentadiene	ND(0.18) J	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21) J	ND(0.21)
Hexachloroethane	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
Indeno(1,2,3-cd)pyrene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	2.1 J	ND(0.20)	ND(0.21)	ND(0.21)
Isophorone	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19) J	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
Methylphenols, Total	ND(0.37)	ND(0.42)	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.39)	ND(0.39)	ND(0.37)	ND(0.38)	ND(0.40)	ND(0.42)	ND(0.41)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI Dup 1-UNKPAR	RFI-02-01	RFI-02-01	RFI-02-02	RFI-02-02	RFI-02-03	RFI-02-03	RFI-02-04	RFI-02-04	RFI-02-04	RFI-02-05	RFI-02-05
Sample Depth(feet):	NA	1-2	8-10	0.5-2	8-10	0.9-2	8-10	1.1-2	6-8	8-10	0.7-2	2-4
Date Collected:	03/27/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/10/01	05/10/01	05/10/01	05/18/01	05/18/01
N-Nitrosodi-n-propylamine	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
N-Nitrosodiphenylamine	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
Naphthalene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	0.15 J	ND(0.20)	0.11 J	ND(0.21)
Nitrobenzene	ND(0.073)	ND(0.082)	ND(0.076)	ND(0.079)	ND(0.075)	ND(0.077)	ND(0.078)	ND(0.073)	ND(0.075)	ND(0.078)	ND(0.084)	ND(0.081)
Pentachlorophenol	ND(0.73)	ND(0.82)	ND(0.76)	ND(0.79)	ND(0.75)	ND(0.77)	ND(0.78)	ND(0.73)	ND(0.75)	ND(0.78)	ND(0.84)	ND(0.81)
Phenanthrene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	0.041 J	ND(0.20)	0.097 J	7.4 D	0.087 J	0.39	0.054 J
Phenol	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.21)
Pyrene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	0.071 J	11 DJ	0.13 J	0.14 J	0.092 J
Inorganics												
Antimony	ND(0.35) J	0.47 J	0.34 R	ND(0.39)	0.36 R	0.25 J	0.43 R	ND(0.41)	0.15 J	ND(0.44)	0.20 J	0.45 J
Arsenic	6	7.5	5.6	6.5	10(RDC)	8.2(RDC)	7	3.1 J	5.6 J	8.4 J(RDC)	5.3	6.8
Barium	54 J	160 J	54 J	150	78 J	120 J	44 J	24 J	48 J	53 J	88	76
Beryllium	0.29	1.9	0.38	2.4	0.53	2.9	0.43	0.18 J	0.19 J	0.47 J	3.3	0.35
Cadmium	0.27 J	1.0 J	0.097 J	0.24	0.25	0.31 J	0.14 J	0.050 J	0.30 J	0.16 J	0.39	0.33
Chromium	11 J	18	13	31	19	390	15	19 J	11 J	14 J	10	11
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	5.6	9.0 J	5.6 J	13	14 J	10 J	7.1 J	1.7 J	3.3 J	7.3 J	8.2	4.5
Copper	10 J	970 J	12 J	44	18 J	150 J	14 J	20 J	41 J	16 J	39	640
Cyanide (total)	ND(0.20)	1	ND(0.20)	0.085 J	ND(0.20)	0.036 J	ND(0.20)	0.057 J	0.27	0.15 J	0.24 J	0.48 J
Lead	11 J	770(RDC)	11	93	12	2,000(RDC,IDC)	9	6.7	42	13	19 J	120 J
Manganese	510	460 J	320 J	370	940 J	390 J	350 J	200	260	370	140	340
Mercury	ND(0.073)	0.046 J	0.025 J	0.044 J	0.021 J	0.050 J	0.021 J	ND(0.077)	0.091	0.021 J	0.034 J	0.043 J
Nickel	10	45 J	15 J	51	34 J	44 J	19 J	12 J	11 J	18 J	37	11
Selenium	ND(1.4)	0.62 J	ND(1.8)	0.61 J	ND(1.6)	0.84 J	ND(1.7)	ND(1.8)	0.49 J	0.67 J	0.57 J	ND(1.8)
Silver	0.086 J	0.42	0.077 J	0.24	0.14 J	0.39	0.15 J	0.090 J	0.12 J	0.17 J	0.13 J	0.35
Thallium	0.13 J	0.22 J	0.14 J	0.28	0.27	0.28 J	0.18 J	ND(0.26)	ND(0.26)	ND(0.28)	0.21 J	0.11 J
Vanadium	15	24 J	22 J	52	32 J	33 J	24 J	7.6 J	13 J	25 J	24	17
Zinc	45	220 J	31 J	51	28 J	110 J	29 J	15 J	66 J	50 J	48 J	140 J
PCBs												
Aroclor-1016	ND(0.038)	ND(0.043)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.044)	ND(0.042)
Aroclor-1221	ND(0.038)	ND(0.043)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.044)	ND(0.042)
Aroclor-1232	ND(0.038)	ND(0.043)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.044)	ND(0.042)
Aroclor-1242	ND(0.038)	ND(0.043)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.044)	ND(0.042)
Aroclor-1248	ND(0.038)	ND(0.043)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.044)	ND(0.042)
Aroclor-1254	ND(0.038)	ND(0.043)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.044)	ND(0.042)
Aroclor-1260	ND(0.038)	ND(0.043)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.044)	ND(0.042)
Total PCBs	ND(0.038)	ND(0.043)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.044)	ND(0.042)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-02-06	RFI-02-06	RFI-02-06	RFI-02-06	RFI-02-07	RFI-02-07	RFI-02-07	RFI-02-08	RFI-02-08	RFI-02-09	RFI-02-10
Sample Depth(feet):	0.7-2	10-12	2-4	8-10	0.9-2	4-6	6-8	0.7-2	4-6	1.7-3.7	1.3-3.3
Date Collected:	05/10/01	05/11/01	05/10/01	05/11/01	05/18/01	05/18/01	05/18/01	05/21/01	05/21/01	09/07/01	09/07/01
Volatiles											
1,1,1-Trichloroethane	ND(0.039)	ND(0.045) [ND(0.042)]	ND(0.040)	ND(0.046)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.043)	ND(0.039)	ND(0.042)	NS	NS
1,1,2,2-Tetrachloroethane	ND(0.077)	ND(0.090) [ND(0.083)]	ND(0.080)	ND(0.092)	ND(0.080)	ND(0.082) [ND(0.085)]	ND(0.086)	ND(0.078)	ND(0.084)	NS	NS
1,1,2-Trichloroethane	ND(0.039)	ND(0.045) [ND(0.042)]	ND(0.040)	ND(0.046)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.043)	ND(0.039)	ND(0.042)	NS	NS
1,1-Dichloroethane	ND(0.039)	ND(0.045) [ND(0.042)]	ND(0.040)	ND(0.046)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.043)	ND(0.039)	ND(0.042)	NS	NS
1,1-Dichloroethene	ND(0.039)	ND(0.045) [ND(0.042)]	ND(0.040)	ND(0.046)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.043)	ND(0.039)	ND(0.042)	NS	NS
1,2,4-Trichlorobenzene	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.20)	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.17)	ND(0.18)	NS	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.20)	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.17)	ND(0.18)	NS	NS
1,2-Dibromoethane (EDB)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.20)	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.17)	ND(0.18)	NS	NS
1,2-Dichlorobenzene	ND(0.077)	ND(0.090) [ND(0.083)]	ND(0.080)	ND(0.092)	ND(0.080)	ND(0.082) [ND(0.085)]	ND(0.086)	ND(0.078)	ND(0.084)	NS	NS
1,2-Dichloroethane	ND(0.039)	ND(0.045) [ND(0.042)]	ND(0.040)	ND(0.046)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.043)	ND(0.039)	ND(0.042)	NS	NS
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.039)	ND(0.045) [ND(0.042)]	ND(0.040)	ND(0.046)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.043)	ND(0.039)	ND(0.042)	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.077)	ND(0.090) [ND(0.083)]	ND(0.080)	ND(0.092)	ND(0.080)	ND(0.082) [ND(0.085)]	ND(0.086)	ND(0.078)	ND(0.084)	NS	NS
1,4-Dichlorobenzene	ND(0.077)	ND(0.090) [ND(0.083)]	ND(0.080)	ND(0.092)	ND(0.080)	ND(0.082) [ND(0.085)]	ND(0.086)	ND(0.078)	ND(0.084)	NS	NS
2-Butanone	ND(0.28)	ND(0.32) [ND(0.30)]	ND(0.28)	ND(0.33)	ND(0.29)	ND(0.29) [0.029 J]	ND(0.31)	ND(0.28)	ND(0.30)	NS	NS
2-Hexanone	ND(0.28)	ND(0.32) [ND(0.30)]	ND(0.28)	ND(0.33)	ND(0.29)	ND(0.29) [ND(0.30)]	ND(0.31)	ND(0.28)	ND(0.30)	NS	NS
4-Methyl-2-pentanone	ND(0.28)	ND(0.32) [ND(0.30)]	ND(0.28)	ND(0.33)	ND(0.29)	ND(0.29) [ND(0.30)]	ND(0.31)	ND(0.28)	ND(0.30)	NS	NS
Acetone	ND(0.28)	0.064 J [0.060 J]	0.18 J	ND(0.33)	ND(0.29)	ND(0.29) [ND(0.30)]	ND(0.31)	ND(0.28)	ND(0.30)	NS	NS
Benzene	ND(0.039)	ND(0.045) [ND(0.042)]	ND(0.040)	ND(0.046)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.043)	0.011 J	ND(0.042)	NS	NS
Benzene, isopropyl	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.20)	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.18)	0.013 J	ND(0.18)	NS	NS
Bromodichloromethane	ND(0.077)	ND(0.090) [ND(0.083)]	ND(0.080)	ND(0.092)	ND(0.080)	ND(0.082) [ND(0.085)]	ND(0.086)	ND(0.078)	ND(0.084)	NS	NS
Bromoform	ND(0.077)	ND(0.090) [ND(0.083)]	ND(0.080)	ND(0.092)	ND(0.080)	ND(0.082) [ND(0.085)]	ND(0.086)	ND(0.078)	ND(0.084)	NS	NS
Bromomethane	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.20)	ND(0.17) J	ND(0.18) J [ND(0.18) J]	ND(0.18) J	ND(0.17) J	ND(0.18) J	NS	NS
Carbon disulfide	ND(0.17)	ND(0.19) [ND(0.18)]	0.093 J	ND(0.20)	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.17)	ND(0.18)	NS	NS
Carbon tetrachloride	ND(0.039)	ND(0.045) [ND(0.042)]	ND(0.040)	ND(0.046)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.043)	ND(0.039)	ND(0.042)	NS	NS
Chlorobenzene	ND(0.039)	ND(0.045) [ND(0.042)]	ND(0.040)	ND(0.046)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.043)	ND(0.039)	ND(0.042)	NS	NS
Chloroethane	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.20)	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.17)	ND(0.18)	NS	NS
Chloroform	ND(0.039)	ND(0.045) [ND(0.042)]	ND(0.040)	ND(0.046)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.043)	ND(0.039)	ND(0.042)	NS	NS
Chloromethane	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.20)	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.17)	ND(0.18)	NS	NS
cis-1,2-Dichloroethene	ND(0.039)	ND(0.045) [ND(0.042)]	ND(0.040)	ND(0.046)	ND(0.040) J	ND(0.041) J [ND(0.043) J]	ND(0.043) J	ND(0.039)	ND(0.042)	NS	NS
cis-1,3-Dichloropropene	ND(0.039)	ND(0.045) [ND(0.042)]	ND(0.040)	ND(0.046)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.043)	ND(0.039)	ND(0.042)	NS	NS
Cyclohexane	ND(0.17)	ND(0.19) J [ND(0.18) J]	ND(0.17) J	ND(0.20) J	ND(0.17) J	ND(0.18) J [ND(0.18) J]	ND(0.18) J	0.048 J	ND(0.18) J	NS	NS
Dibromochloromethane	ND(0.077)	ND(0.090) [ND(0.083)]	ND(0.080)	ND(0.092)	ND(0.080)	ND(0.082) [ND(0.085)]	ND(0.086)	ND(0.078)	ND(0.084)	NS	NS
Dichlorodifluoromethane (CFC-12)	ND(0.077)	ND(0.090) [ND(0.083)]	ND(0.080)	ND(0.092)	ND(0.080)	ND(0.082) [ND(0.085)]	ND(0.086)	ND(0.078)	ND(0.084)	NS	NS
Ethylbenzene	ND(0.039)	ND(0.045) [ND(0.042)]	ND(0.040)	ND(0.046)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.043)	0.022 J	0.014 J	NS	NS
m&p-Xylene	ND(0.077)	ND(0.090) [ND(0.083)]	0.082	ND(0.092)	ND(0.080)	ND(0.082) [ND(0.085)]	ND(0.086)	0.084	0.035 J	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-02-06	RFI-02-06	RFI-02-06	RFI-02-06	RFI-02-07	RFI-02-07	RFI-02-07	RFI-02-08	RFI-02-08	RFI-02-09	RFI-02-10
Sample Depth(feet):	0.7-2	10-12	2-4	8-10	0.9-2	4-6	6-8	0.7-2	4-6	1.7-3.7	1.3-3.3
Date Collected:	05/10/01	05/11/01	05/10/01	05/11/01	05/18/01	05/18/01	05/18/01	05/21/01	05/21/01	09/07/01	09/07/01
Methyl acetate	ND(0.17)	ND(0.19) [ND(0.18)]	0.087 J	ND(0.20)	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.18)	0.63	ND(0.18)	NS	NS
Methyl Tert Butyl Ether	ND(0.28)	ND(0.32) [ND(0.30)]	ND(0.28)	ND(0.33)	ND(0.29)	ND(0.29) [ND(0.30)]	ND(0.31)	ND(0.28)	ND(0.30)	NS	NS
Methylcyclohexane	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.20)	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.18)	0.15 J	ND(0.18)	NS	NS
Methylene chloride	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.20)	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.18)	0.021 J	0.017 J	NS	NS
o-Xylene	ND(0.039)	ND(0.045) [ND(0.042)]	ND(0.040)	ND(0.046)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.043)	0.064	0.011 J	NS	NS
Styrene	ND(0.039)	ND(0.045) [ND(0.042)]	ND(0.040)	ND(0.046)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.043)	ND(0.039)	ND(0.042)	NS	NS
Tetrachloroethene	ND(0.039)	ND(0.045) [ND(0.042)]	ND(0.040)	ND(0.046)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.043)	ND(0.039)	ND(0.042)	NS	NS
Toluene	ND(0.039)	ND(0.045) [ND(0.042)]	ND(0.040)	ND(0.046)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.043)	0.066	ND(0.042)	NS	NS
trans-1,2-Dichloroethene	ND(0.039)	ND(0.045) [ND(0.042)]	ND(0.040)	ND(0.046)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.043)	ND(0.039)	ND(0.042)	NS	NS
trans-1,3-Dichloropropene	ND(0.039)	ND(0.045) [ND(0.042)]	ND(0.040)	ND(0.046)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.043)	ND(0.039)	ND(0.042)	NS	NS
Trichloroethene	ND(0.039)	ND(0.045) [ND(0.042)]	ND(0.040)	ND(0.046)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.043)	ND(0.039)	ND(0.042)	NS	NS
Trichlorofluoromethane (CFC-11)	ND(0.077)	ND(0.090) [ND(0.083)]	ND(0.080)	ND(0.092)	ND(0.080)	ND(0.082) [ND(0.085)]	ND(0.086)	0.011 J	0.011 J	NS	NS
Trifluorotrichloroethane (Freon 113)	ND(0.17)	ND(0.19) [ND(0.18)]	ND(0.17)	ND(0.20)	ND(0.17)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.17)	ND(0.18)	NS	NS
Vinyl chloride	ND(0.039)	ND(0.045) [ND(0.042)]	ND(0.040)	ND(0.046)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.043)	ND(0.039)	ND(0.042)	NS	NS
Xylenes (total)	ND(0.077)	ND(0.090) [ND(0.083)]	0.082	ND(0.092)	ND(0.080)	ND(0.082) [ND(0.085)]	ND(0.086)	0.15	0.046	NS	NS
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
2,4,6-Trichlorophenol	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
2,4-Dichlorophenol	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
2,4-Dimethylphenol	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
2,4-Dinitrophenol	ND(0.74)	ND(0.87) [ND(0.79)]	ND(3.8)	ND(0.87)	ND(0.76)	ND(0.79) [ND(0.80)]	ND(0.84)	ND(0.75)	ND(0.80)	NS	NS
2,4-Dinitrotoluene	ND(0.74)	ND(0.87) [ND(0.79)]	ND(3.8)	ND(0.87)	ND(0.76)	ND(0.79) [ND(0.80)]	ND(0.84)	ND(0.75)	ND(0.80)	NS	NS
2,6-Dinitrotoluene	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
2-Chloronaphthalene	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
2-Chlorophenol	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
2-Methyl naphthalene	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
2-Methylphenol	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
2-Nitroaniline	ND(0.74)	ND(0.87) [ND(0.79)]	ND(3.8)	ND(0.87)	ND(0.76)	ND(0.79) [ND(0.80)]	ND(0.84)	ND(0.75)	ND(0.80)	NS	NS
2-Nitrophenol	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
3&4-Methylphenol	ND(0.38)	ND(0.44) [ND(0.40)]	ND(1.9)	ND(0.44)	ND(0.39)	ND(0.40) [ND(0.41)]	ND(0.43)	ND(0.38)	ND(0.40)	NS	NS
3,3-Dichlorobenzidine	ND(0.74)	ND(0.87) [ND(0.79)]	ND(3.8)	ND(0.87)	ND(0.76)	ND(0.79) [ND(0.80)]	ND(0.84)	ND(0.75)	ND(0.80)	NS	NS
3-Nitroaniline	ND(0.74)	ND(0.87) [ND(0.79) J]	ND(3.8)	ND(0.87)	ND(0.76)	ND(0.79) [ND(0.80)]	ND(0.84)	ND(0.75)	ND(0.80)	NS	NS
4,6-Dinitro-2-methylphenol	ND(0.74)	ND(0.87) [ND(0.79)]	ND(3.8)	ND(0.87)	ND(0.76)	ND(0.79) [ND(0.80)]	ND(0.84)	ND(0.75)	ND(0.80)	NS	NS
4-Bromophenyl phenyl ether	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
4-Chloro-3-methylphenol	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-02-06	RFI-02-06	RFI-02-06	RFI-02-06	RFI-02-07	RFI-02-07	RFI-02-07	RFI-02-08	RFI-02-08	RFI-02-09	RFI-02-10
Sample Depth(feet):	0.7-2	10-12	2-4	8-10	0.9-2	4-6	6-8	0.7-2	4-6	1.7-3.7	1.3-3.3
Date Collected:	05/10/01	05/11/01	05/10/01	05/11/01	05/18/01	05/18/01	05/18/01	05/21/01	05/21/01	09/07/01	09/07/01
4-Chloroaniline	ND(0.74) J	ND(0.87) J [ND(0.79) J]	ND(3.8)	ND(0.87) J	ND(0.76)	ND(0.79) [ND(0.80)]	ND(0.84)	ND(0.75)	ND(0.80)	NS	NS
4-Chlorophenyl phenyl ether	ND(0.74)	ND(0.87) [ND(0.79)]	ND(3.8)	ND(0.87)	ND(0.76)	ND(0.79) [ND(0.80)]	ND(0.84)	ND(0.75)	ND(0.80)	NS	NS
4-Nitroaniline	ND(0.74)	ND(0.87) [ND(0.79)]	ND(3.8)	ND(0.87)	ND(0.76)	ND(0.79) [ND(0.80)]	ND(0.84)	ND(0.75)	ND(0.80)	NS	NS
4-Nitrophenol	ND(0.74)	ND(0.87) [ND(0.79)]	ND(3.8)	ND(0.87)	ND(0.76)	ND(0.79) [ND(0.80)]	ND(0.84)	ND(0.75)	ND(0.80)	NS	NS
Acenaphthene	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
Acenaphthylene	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
Acetophenone	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
Anthracene	ND(0.19)	ND(0.22) [ND(0.20)]	0.26 J	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	0.067 J	ND(0.20)	NS	NS
Atrazine	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
Benzaldehyde	ND(0.19) J	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
Benzo(a)anthracene	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	0.042 J	ND(0.20) [ND(0.20)]	ND(0.21)	0.41	ND(0.20)	NS	NS
Benzo(a)pyrene	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	0.047 J	ND(0.20) [ND(0.20)]	ND(0.21)	0.56	ND(0.20)	NS	NS
Benzo(b)fluoranthene	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	0.046 J	ND(0.20) [ND(0.20)]	ND(0.21)	0.61	ND(0.20)	NS	NS
Benzo(g,h,i)perylene	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	0.55	ND(0.20)	NS	NS
Benzo(k)fluoranthene	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	0.041 J	ND(0.20) [ND(0.20)]	ND(0.21)	0.49	ND(0.20)	NS	NS
Biphenyl	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
bis(2-Chloroethoxy)methane	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
bis(2-Chloroethyl)ether	ND(0.036)	ND(0.043) [ND(0.039)]	ND(0.19)	ND(0.043)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.041)	ND(0.037)	ND(0.039)	NS	NS
bis(2-Chloroisopropyl)ether	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
bis(2-Ethylhexyl)phthalate	0.087 J	ND(0.22) [0.12 J]	0.28 J	ND(0.22)	0.12 J	0.10 J [0.18 J]	0.23	0.31	ND(0.20)	NS	NS
Butyl benzylphthalate	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	0.043 J	ND(0.20)	NS	NS
Caprolactam	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
Carbazole	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	0.055 J	ND(0.20)	NS	NS
Chrysene	ND(0.19)	ND(0.22) [ND(0.20)]	0.28 J	ND(0.22)	0.058 J	ND(0.20) [ND(0.20)]	ND(0.21)	0.51	ND(0.20)	NS	NS
Di-n-butylphthalate	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
Di-n-octyl phthalate	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
Dibenzo(a,h)anthracene	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	0.16 J	ND(0.20)	NS	NS
Dibenzofuran	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
Diethyl phthalate	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	0.097 J	ND(0.20)	NS	NS
Dimethyl phthalate	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
Fluoranthene	ND(0.19)	ND(0.22) [ND(0.20)]	0.66 J	ND(0.22)	0.11 J	ND(0.20) [ND(0.20)]	ND(0.21)	0.86	ND(0.20)	NS	NS
Fluorene	ND(0.19)	ND(0.22) [ND(0.20)]	0.43 J	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
Hexachlorobenzene	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
Hexachlorobutadiene	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
Hexachlorocyclopentadiene	ND(0.19)	ND(0.22) [ND(0.20) J]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
Hexachloroethane	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
Indeno(1,2,3-cd)pyrene	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	0.47	ND(0.20)	NS	NS
Isophorone	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
Methylphenols, Total	ND(0.38)	ND(0.44) [ND(0.40)]	ND(1.9)	ND(0.44)	ND(0.39)	ND(0.40) [ND(0.41)]	ND(0.43)	ND(0.38)	ND(0.40)	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-02-06	RFI-02-06	RFI-02-06	RFI-02-06	RFI-02-07	RFI-02-07	RFI-02-07	RFI-02-08	RFI-02-08	RFI-02-09	RFI-02-10
Sample Depth(feet):	0.7-2	10-12	2-4	8-10	0.9-2	4-6	6-8	0.7-2	4-6	1.7-3.7	1.3-3.3
Date Collected:	05/10/01	05/11/01	05/10/01	05/11/01	05/18/01	05/18/01	05/18/01	05/21/01	05/21/01	09/07/01	09/07/01
N-Nitrosodi-n-propylamine	ND(0.19)	ND(0.22) [ND(0.20) J]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
N-Nitrosodiphenylamine	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
Naphthalene	ND(0.19)	ND(0.22) [ND(0.20)]	0.32 J	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	0.043 J	ND(0.20)	NS	NS
Nitrobenzene	ND(0.074)	ND(0.087) [ND(0.079)]	ND(0.38)	ND(0.087)	ND(0.076)	ND(0.079) [ND(0.080)]	ND(0.084)	ND(0.075)	ND(0.080)	NS	NS
Pentachlorophenol	ND(0.74)	ND(0.87) [ND(0.79)]	ND(3.8)	ND(0.87)	ND(0.76)	ND(0.79) [ND(0.80)]	ND(0.84)	ND(0.75)	ND(0.80)	NS	NS
Phenanthrene	0.042 J	ND(0.22) [ND(0.20)]	1.6	ND(0.22)	0.10 J	ND(0.20) [ND(0.20)]	ND(0.21)	0.45	ND(0.20)	NS	NS
Phenol	ND(0.19)	ND(0.22) [ND(0.20)]	ND(0.97)	ND(0.22)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS
Pyrene	ND(0.19)	ND(0.22) [ND(0.20)]	0.88 J	ND(0.22)	0.098 J	ND(0.20) [ND(0.20)]	ND(0.21)	1	ND(0.20)	NS	NS
Inorganics											
Antimony	ND(0.44)	ND(0.39) [ND(0.38)]	ND(0.41)	ND(0.44)	ND(0.40) J	ND(0.32) J [ND(0.38) J]	ND(0.43) J	0.25 J	ND(0.37)	NS	NS
Arsenic	3.2 J	4.6 J [9.9 J(RDC)]	4.4 J	8.5 J(RDC)	4.7	8.5(RDC) [6.6]	4.7	10 J(RDC)	4.1 J	NS	NS
Barium	10 J	74 J [95 J]	42 J	150 J	20	91 [110]	91	110 J	82 J	NS	NS
Beryllium	0.12 J	0.67 J [0.88 J]	0.22 J	1.1 J	0.14 J	1.2 [0.99]	0.74	0.64 J	0.86 J	NS	NS
Cadmium	0.11 J	0.12 J [0.11 J]	0.31 J	0.069 J	0.083	0.09 [0.11]	0.13	1.3	0.17	NS	NS
Chromium	13 J	23 J [29 J]	43 J	31 J	6	33 [27]	24	38	25	NS	NS
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	6.5 J	8.8 J [13 J]	3.8 J	14 J	2.4	21 [11]	6.7	6.9	9.5	NS	NS
Copper	8.7 J	15 J [17 J]	44 J	21 J	7.5	20 [17]	13	22	19	NS	NS
Cyanide (total)	ND(0.20)	0.17 J [0.14 J]	ND(0.20)	0.19 J	0.027 J	ND(0.20) [ND(0.20)]	0.027 J	0.10 J	0.011 J	NS	NS
Lead	6.9	8.2 J [12 J]	39 J	16 J	12 J	13 J [12 J]	10 J	190 J	10 J	33	3.7
Manganese	230	220 [510]	600	290	150	710 [260]	200	1,300 J	280 J	NS	NS
Mercury	ND(0.077)	0.030 J [0.029 J]	0.019 J	0.036 J	0.020 J	ND(0.079) [0.021 J]	0.023 J	0.023 J	0.020 J	NS	NS
Nickel	9.8 J	27 [31]	26	36	7.2	46 [30]	24	28	29	NS	NS
Selenium	ND(1.7)	ND(1.7) [ND(1.7)]	ND(1.6)	ND(1.5)	ND(1.6)	ND(1.3) [ND(1.5)]	ND(1.7)	1.9	1.5 J	NS	NS
Silver	0.22 J	0.12 J [0.10 J]	0.12 J	0.12 J	0.050 J	0.070 J [0.099 J]	0.13 J	0.3	0.12 J	NS	NS
Thallium	ND(0.28)	0.15 J [0.17 J]	ND(0.26) J	0.18 J	ND(0.26)	0.20 J [0.24]	0.22 J	0.57	0.21 J	NS	NS
Vanadium	8.7 J	27 J [41 J]	12 J	43 J	8.8	47 [39]	32	25	37	NS	NS
Zinc	24 J	61 J [58 J]	54 J	65 J	33 J	62 J [54 J]	48 J	120	53	NS	NS
PCBs											
Aroclor-1016	ND(0.039)	ND(0.046) [ND(0.041)]	ND(0.040)	ND(0.045)	ND(0.040)	ND(0.041) [ND(0.042)]	ND(0.044)	ND(0.039)	ND(0.042)	NS	NS
Aroclor-1221	ND(0.039)	ND(0.046) [ND(0.041)]	ND(0.040)	ND(0.045)	ND(0.040)	ND(0.041) [ND(0.042)]	ND(0.044)	ND(0.039)	ND(0.042)	NS	NS
Aroclor-1232	ND(0.039)	ND(0.046) [ND(0.041)]	ND(0.040)	ND(0.045)	ND(0.040)	ND(0.041) [ND(0.042)]	ND(0.044)	ND(0.039)	ND(0.042)	NS	NS
Aroclor-1242	ND(0.039)	ND(0.046) [ND(0.041)]	ND(0.040)	ND(0.045)	ND(0.040)	ND(0.041) [ND(0.042)]	ND(0.044)	ND(0.039)	ND(0.042)	NS	NS
Aroclor-1248	ND(0.039)	ND(0.046) [ND(0.041)]	ND(0.040)	ND(0.045)	ND(0.040)	ND(0.041) [ND(0.042)]	ND(0.044)	ND(0.039)	ND(0.042)	NS	NS
Aroclor-1254	ND(0.039)	ND(0.046) [ND(0.041)]	ND(0.040)	ND(0.045)	ND(0.040)	ND(0.041) [ND(0.042)]	ND(0.044)	ND(0.039)	ND(0.042)	NS	NS
Aroclor-1260	ND(0.039)	ND(0.046) [ND(0.041)]	ND(0.040)	ND(0.045)	ND(0.040)	ND(0.041) [ND(0.042)]	ND(0.044)	ND(0.039)	ND(0.042)	NS	NS
Total PCBs	ND(0.039)	ND(0.046) [ND(0.041)]	ND(0.040)	ND(0.045)	ND(0.040)	ND(0.041) [ND(0.042)]	ND(0.044)	ND(0.039)	ND(0.042)	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-02-11	RFI-03-01	RFI-03-01	RFI-03-01	RFI-03-02	RFI-03-02	RFI-03-02	RFI-03-03	RFI-03-04	RFI-03-04	RFI-03-05	RFI-03-06
Sample Depth(feet):	1.7-3.7	10-12	2-4	8-10	1-3	3-5	5-7	0-2	0.5-2.5	4.5-6.5	0.5-2.5	0.5-2.5
Date Collected:	09/07/01	08/02/01	08/02/01	08/02/01	06/25/01	06/25/01	06/25/01	06/22/01	07/23/01	07/23/01	11/29/01	11/29/01
Volatiles												
1,1,1-Trichloroethane	NS	0.099	1	ND(0.041)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.040)	ND(0.046)	NS	NS
1,1,2,2-Tetrachloroethane	NS	ND(0.10)	ND(0.082)	ND(0.082)	ND(0.074)	ND(0.075)	ND(0.078) [ND(0.080)]	ND(0.080) J	ND(0.080)	ND(0.092)	NS	NS
1,1,2-Trichloroethane	NS	ND(0.050)	ND(0.041)	ND(0.041)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.040)	ND(0.046)	NS	NS
1,1-Dichloroethane	NS	ND(0.050)	0.044	0.084	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.040)	ND(0.046)	NS	NS
1,1-Dichloroethene	NS	ND(0.050)	ND(0.041)	ND(0.041)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.040)	ND(0.046)	NS	NS
1,2,4-Trichlorobenzene	NS	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.17) J	ND(0.17)	ND(0.20)	NS	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.17) J	ND(0.17)	ND(0.20)	NS	NS
1,2-Dibromoethane (EDB)	NS	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.17)	ND(0.17)	ND(0.20)	NS	NS
1,2-Dichlorobenzene	NS	ND(0.10)	ND(0.082)	ND(0.082)	ND(0.074)	ND(0.075)	ND(0.078) [ND(0.080)]	ND(0.080)	ND(0.080)	ND(0.092)	NS	NS
1,2-Dichloroethane	NS	ND(0.050)	ND(0.041)	ND(0.041)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.040)]	ND(0.040) J	ND(0.040)	ND(0.046)	NS	NS
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	NS	ND(0.050)	ND(0.041)	ND(0.041)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.040)	ND(0.046)	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	ND(0.10)	ND(0.082)	ND(0.082)	ND(0.074)	ND(0.075)	ND(0.078) [ND(0.080)]	ND(0.080)	ND(0.080)	ND(0.092)	NS	NS
1,4-Dichlorobenzene	NS	ND(0.10)	ND(0.082)	ND(0.082)	ND(0.074)	ND(0.075)	ND(0.078) [ND(0.080)]	0.13	ND(0.080)	ND(0.092)	NS	NS
2-Butanone	NS	ND(0.36)	ND(0.29)	ND(0.29)	ND(0.26)	ND(0.27)	ND(0.28) [ND(0.29)]	ND(0.29)	0.066 J	0.033 J	NS	NS
2-Hexanone	NS	ND(0.36)	ND(0.29)	ND(0.29)	ND(0.26)	ND(0.27)	ND(0.28) [ND(0.29)]	ND(0.29)	ND(0.28)	ND(0.33)	NS	NS
4-Methyl-2-pentanone	NS	ND(0.36)	ND(0.29)	ND(0.29)	ND(0.26)	ND(0.27)	ND(0.28) [ND(0.29)]	ND(0.29)	ND(0.28)	ND(0.33)	NS	NS
Acetone	NS	ND(0.36)	ND(0.29)	ND(0.29)	ND(0.26)	ND(0.27)	ND(0.28) [ND(0.29)]	ND(0.29) J	ND(0.50) J	ND(0.41) J	NS	NS
Benzene	NS	ND(0.050)	ND(0.041)	ND(0.041)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.040)]	ND(0.040)	0.053	ND(0.046)	NS	NS
Benzene, isopropyl	NS	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.17)	ND(0.17)	ND(0.20)	NS	NS
Bromodichloromethane	NS	ND(0.10)	ND(0.082)	ND(0.082)	ND(0.074)	ND(0.075)	ND(0.078) [ND(0.080)]	ND(0.080)	ND(0.080)	ND(0.092)	NS	NS
Bromoform	NS	ND(0.10)	ND(0.082)	ND(0.082)	ND(0.074)	ND(0.075)	ND(0.078) [ND(0.080)]	ND(0.080)	ND(0.080)	ND(0.092)	NS	NS
Bromomethane	NS	ND(0.21) J	ND(0.18) J	ND(0.18) J	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.17)	ND(0.17)	ND(0.20)	NS	NS
Carbon disulfide	NS	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.17)	0.030 J	ND(0.20)	NS	NS
Carbon tetrachloride	NS	ND(0.050)	ND(0.041)	ND(0.041)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.040)	ND(0.046)	NS	NS
Chlorobenzene	NS	ND(0.050)	ND(0.041)	ND(0.041)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.040)	ND(0.046)	NS	NS
Chloroethane	NS	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.17)	ND(0.17)	ND(0.20)	NS	NS
Chloroform	NS	ND(0.050)	ND(0.041)	ND(0.041)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.040)	ND(0.046)	NS	NS
Chloromethane	NS	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.17)	ND(0.17)	ND(0.20)	NS	NS
cis-1,2-Dichloroethene	NS	ND(0.050)	ND(0.041)	ND(0.041)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.040)	ND(0.046)	NS	NS
cis-1,3-Dichloropropene	NS	ND(0.050)	ND(0.041)	ND(0.041)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.040)	ND(0.046)	NS	NS
Cyclohexane	NS	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	0.055 J	ND(0.17)	ND(0.20)	NS	NS
Dibromochloromethane	NS	ND(0.10)	ND(0.082)	ND(0.082)	ND(0.074)	ND(0.075)	ND(0.078) [ND(0.080)]	ND(0.080)	ND(0.080)	ND(0.092)	NS	NS
Dichlorodifluoromethane (CFC-12)	NS	ND(0.10)	ND(0.082)	ND(0.082)	ND(0.074)	ND(0.075)	ND(0.078) [ND(0.080)]	ND(0.080)	ND(0.080)	ND(0.092)	NS	NS
Ethylbenzene	NS	ND(0.050)	ND(0.041)	ND(0.041)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.040)	ND(0.046)	NS	NS
m&p-Xylene	NS	ND(0.10)	ND(0.082)	ND(0.082)	ND(0.074)	0.027 J	0.043 J [ND(0.080)]	0.070 J	0.058 J	0.034 J	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-02-11	RFI-03-01	RFI-03-01	RFI-03-01	RFI-03-02	RFI-03-02	RFI-03-02	RFI-03-03	RFI-03-04	RFI-03-04	RFI-03-05	RFI-03-06
Sample Depth(feet):	1.7-3.7	10-12	2-4	8-10	1-3	3-5	5-7	0-2	0.5-2.5	4.5-6.5	0.5-2.5	0.5-2.5
Date Collected:	09/07/01	08/02/01	08/02/01	08/02/01	06/25/01	06/25/01	06/25/01	06/22/01	07/23/01	07/23/01	11/29/01	11/29/01
Methyl acetate	NS	0.088 J	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.17) J	ND(0.17)	0.062 J	NS	NS
Methyl Tert Butyl Ether	NS	ND(0.36)	ND(0.29)	ND(0.29)	ND(0.26)	ND(0.27)	ND(0.28) [ND(0.29)]	ND(0.29)	ND(0.28)	ND(0.33)	NS	NS
Methylcyclohexane	NS	ND(0.21)	0.036 J	ND(0.18)	ND(0.16)	0.043 J	0.058 J [0.030 J]	0.14 J	0.053 J	ND(0.20)	NS	NS
Methylene chloride	NS	ND(0.21) J	ND(0.18) J	ND(0.18) J	ND(0.16) J	ND(0.16) J	ND(0.17) J [ND(0.17) J]	ND(0.17) J	ND(0.17)	ND(0.20)	NS	NS
o-Xylene	NS	ND(0.050)	ND(0.041)	ND(0.041)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.040)]	0.052	0.031 J	ND(0.046)	NS	NS
Styrene	NS	ND(0.050)	ND(0.041)	ND(0.041)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.040)	ND(0.046)	NS	NS
Tetrachloroethene	NS	ND(0.050)	ND(0.041)	ND(0.041)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.040)	ND(0.046)	NS	NS
Toluene	NS	ND(0.050)	ND(0.041)	ND(0.041)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.040)]	0.059	0.049	ND(0.046)	NS	NS
trans-1,2-Dichloroethene	NS	ND(0.050)	ND(0.041)	ND(0.041)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.040)	ND(0.046)	NS	NS
trans-1,3-Dichloropropene	NS	ND(0.050)	ND(0.041)	ND(0.041)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.040)	ND(0.046)	NS	NS
Trichloroethene	NS	0.12	0.84	0.046	0.049	0.28	0.67 [0.65]	ND(0.040)	0.052	ND(0.046)	NS	NS
Trichlorofluoromethane (CFC-11)	NS	ND(0.10)	ND(0.082)	ND(0.082)	ND(0.074)	ND(0.075)	ND(0.078) [ND(0.080)]	ND(0.080)	ND(0.080)	ND(0.092)	NS	NS
Trifluorotrichloroethane (Freon 113)	NS	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.17)	ND(0.17)	ND(0.20)	NS	NS
Vinyl chloride	NS	ND(0.050)	ND(0.041)	ND(0.041)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.040)]	ND(0.040)	ND(0.040)	ND(0.046)	NS	NS
Xylenes (total)	NS	ND(0.10)	ND(0.082)	ND(0.082)	ND(0.074)	0.027	0.043 [ND(0.080)]	0.12	0.089	0.034	NS	NS
Semivolatiles												
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
2,4,6-Trichlorophenol	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
2,4-Dichlorophenol	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
2,4-Dimethylphenol	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
2,4-Dinitrophenol	NS	ND(0.95)	ND(0.79)	ND(0.79)	ND(0.72)	ND(0.73)	ND(0.75) [ND(0.75)]	ND(0.75)	ND(3.8) J	ND(1.8)	NS	NS
2,4-Dinitrotoluene	NS	ND(0.95)	ND(0.79)	ND(0.79)	ND(0.72)	ND(0.73)	ND(0.75) [ND(0.75)]	ND(0.75)	ND(3.8)	ND(1.8)	NS	NS
2,6-Dinitrotoluene	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
2-Chloronaphthalene	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
2-Chlorophenol	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
2-Methyl naphthalene	NS	ND(0.24)	0.15 J	0.14 J	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
2-Methylphenol	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
2-Nitroaniline	NS	ND(0.95)	ND(0.79)	ND(0.79)	ND(0.72)	ND(0.73)	ND(0.75) [ND(0.75)]	ND(0.75)	ND(3.8)	ND(1.8)	NS	NS
2-Nitrophenol	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
3&4-Methylphenol	NS	ND(0.48) J	ND(0.40) J	ND(0.40) J	ND(0.36) J	ND(0.37)	ND(0.38) [ND(0.38) J]	ND(0.38)	ND(1.9) J	ND(0.90) J	NS	NS
3,3-Dichlorobenzidine	NS	ND(0.95)	ND(0.79)	ND(0.79) J	ND(0.72) J	ND(0.73)	ND(0.75) [ND(0.75) J]	ND(0.75)	ND(3.8)	ND(1.8) J	NS	NS
3-Nitroaniline	NS	ND(0.95)	ND(0.79)	ND(0.79)	ND(0.72)	ND(0.73)	ND(0.75) [ND(0.75)]	ND(0.75)	ND(3.8)	ND(1.8)	NS	NS
4,6-Dinitro-2-methylphenol	NS	ND(0.95)	ND(0.79)	ND(0.79)	ND(0.72)	ND(0.73)	ND(0.75) [ND(0.75)]	ND(0.75)	ND(3.8)	0.62 J	NS	NS
4-Bromophenyl phenyl ether	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
4-Chloro-3-methylphenol	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-02-11	RFI-03-01	RFI-03-01	RFI-03-01	RFI-03-02	RFI-03-02	RFI-03-02	RFI-03-03	RFI-03-04	RFI-03-04	RFI-03-05	RFI-03-06
Sample Depth(feet):	1.7-3.7	10-12	2-4	8-10	1-3	3-5	5-7	0-2	0.5-2.5	4.5-6.5	0.5-2.5	0.5-2.5
Date Collected:	09/07/01	08/02/01	08/02/01	08/02/01	06/25/01	06/25/01	06/25/01	06/22/01	07/23/01	07/23/01	11/29/01	11/29/01
4-Chloroaniline	NS	ND(0.95)	ND(0.79)	ND(0.79) J	ND(0.72)	ND(0.73) J	ND(0.75) J [ND(0.75)]	ND(0.75) J	ND(3.8)	ND(1.8)	NS	NS
4-Chlorophenyl phenyl ether	NS	ND(0.95)	ND(0.79)	ND(0.79)	ND(0.72)	ND(0.73)	ND(0.75) [ND(0.75)]	ND(0.75)	ND(3.8) J	ND(1.8)	NS	NS
4-Nitroaniline	NS	ND(0.95) J	ND(0.79) J	ND(0.79)	ND(0.72)	ND(0.73)	ND(0.75) [ND(0.75)]	ND(0.75)	ND(3.8)	ND(1.8)	NS	NS
4-Nitrophenol	NS	ND(0.95)	ND(0.79)	ND(0.79)	ND(0.72)	ND(0.73)	ND(0.75) [ND(0.75)]	ND(0.75)	ND(3.8)	ND(1.8)	NS	NS
Acenaphthene	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
Acenaphthylene	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
Acetophenone	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
Anthracene	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	0.044 J	ND(0.97)	1.4	NS	NS
Atrazine	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
Benzaldehyde	NS	ND(0.24) J	ND(0.20) J	ND(0.20) J	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97) J	ND(0.45)	NS	NS
Benzo(a)anthracene	NS	ND(0.24)	0.087 J	ND(0.20) J	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	0.18 J	0.69 J	0.85 J	NS	NS
Benzo(a)pyrene	NS	ND(0.24)	0.050 J	ND(0.20) J	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	0.19 J	0.82 J	0.74 J	NS	NS
Benzo(b)fluoranthene	NS	ND(0.24)	0.069 J	ND(0.20) J	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	0.27 J	0.90 J	0.88 J	NS	NS
Benzo(g,h,i)perylene	NS	ND(0.24)	ND(0.20)	ND(0.20) J	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	0.13 J	0.70 J	0.61 J	NS	NS
Benzo(k)fluoranthene	NS	ND(0.24)	0.083 J	ND(0.20) J	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	0.25 J	0.91 J	0.75 J	NS	NS
Biphenyl	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
bis(2-Chloroethoxy)methane	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
bis(2-Chloroethyl)ether	NS	ND(0.047)	ND(0.039)	ND(0.039)	ND(0.035)	ND(0.036)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.19)	ND(0.087)	NS	NS
bis(2-Chloroisopropyl)ether	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
bis(2-Ethylhexyl)phthalate	NS	ND(0.24)	ND(0.20)	ND(0.20) J	ND(0.18)	ND(0.18)	0.12 J [ND(0.19)]	ND(0.19)	0.38 J	0.60 J	NS	NS
Butyl benzylphthalate	NS	ND(0.24)	ND(0.20)	ND(0.20) J	0.12 J	0.22	ND(0.19) [0.066 J]	1	0.74 J	ND(0.45) J	NS	NS
Caprolactam	NS	ND(0.24) J	ND(0.20) J	ND(0.20) J	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
Carbazole	NS	ND(0.24) J	0.18 J	ND(0.20) J	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
Chrysene	NS	0.080 J	0.11 J	0.23 J	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	0.24	0.87 J	0.87 J	NS	NS
Di-n-butylphthalate	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
Di-n-octyl phthalate	NS	ND(0.24)	ND(0.20)	ND(0.20) J	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19) J	ND(0.97) J	ND(0.45) J	NS	NS
Dibenzo(a,h)anthracene	NS	ND(0.24)	ND(0.20)	ND(0.20) J	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19) J	ND(0.97) J	0.44 J	NS	NS
Dibenzofuran	NS	ND(0.24)	0.10 J	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
Diethyl phthalate	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [0.074 J]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
Dimethyl phthalate	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
Fluoranthene	NS	ND(0.24)	0.36	ND(0.20)	0.041 J	0.037 J	0.056 J [0.042 J]	0.24	1.4	1.4	NS	NS
Fluorene	NS	0.075 J	ND(0.20)	0.16 J	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
Hexachlorobenzene	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
Hexachlorobutadiene	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
Hexachlorocyclopentadiene	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
Hexachloroethane	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
Indeno(1,2,3-cd)pyrene	NS	ND(0.24)	0.035 J	ND(0.20) J	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	0.12 J	ND(0.97) J	ND(0.45) J	NS	NS
Isophorone	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
Methylphenols, Total	NS	ND(0.48)	ND(0.40)	ND(0.40)	ND(0.36)	ND(0.37)	ND(0.38) [ND(0.38)]	ND(0.38)	ND(1.9)	ND(0.90)	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-02-11	RFI-03-01	RFI-03-01	RFI-03-01	RFI-03-02	RFI-03-02	RFI-03-02	RFI-03-03	RFI-03-04	RFI-03-04	RFI-03-05	RFI-03-06
Sample Depth(feet):	1.7-3.7	10-12	2-4	8-10	1-3	3-5	5-7	0-2	0.5-2.5	4.5-6.5	0.5-2.5	0.5-2.5
Date Collected:	09/07/01	08/02/01	08/02/01	08/02/01	06/25/01	06/25/01	06/25/01	06/22/01	07/23/01	07/23/01	11/29/01	11/29/01
N-Nitrosodi-n-propylamine	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	0.73 J	NS	NS
N-Nitrosodiphenylamine	NS	ND(0.24)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
Naphthalene	NS	ND(0.24)	0.16 J	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.19)]	0.065 J	ND(0.97)	0.49	NS	NS
Nitrobenzene	NS	ND(0.095)	ND(0.079)	ND(0.079)	ND(0.072)	ND(0.073)	ND(0.075) [ND(0.075)]	ND(0.075)	ND(0.38)	ND(0.18)	NS	NS
Pentachlorophenol	NS	ND(0.95)	ND(0.79)	ND(0.79)	ND(0.72)	ND(0.73)	ND(0.75) [ND(0.75)]	ND(0.75)	ND(3.8)	ND(1.8)	NS	NS
Phenanthrene	NS	0.41	0.52	ND(0.20)	ND(0.18)	ND(0.18)	0.051 J [0.037 J]	0.17 J	0.92 J	1.6	NS	NS
Phenol	NS	ND(0.24)	ND(0.20)	ND(0.20)	0.24	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.97)	ND(0.45)	NS	NS
Pyrene	NS	ND(0.24)	0.3	ND(0.20) J	0.050 J	ND(0.18)	0.056 J [ND(0.19)]	0.4	1.9	1.7 J	NS	NS
Inorganics												
Antimony	NS	0.13 J	ND(0.25) J	ND(0.25) J	0.24 R	ND(0.19) J	ND(0.21) J [0.26 R]	ND(0.22) J	ND(0.23) J	ND(0.21) J	NS	NS
Arsenic	NS	2.3	4.8	4.6	2.9	2.7	2.4 [2.1]	3.7	5.9	4.8	NS	NS
Barium	NS	45 J	28 J	20 J	17	12	22 [21]	22	580 J	130 J	NS	NS
Beryllium	NS	0.42 J	0.65 J	0.33	0.16	0.090 J	0.13 J [0.095 J]	0.17 J	1.3	0.21	NS	NS
Cadmium	NS	0.54	0.084	0.42	0.11	0.10 J	0.075 J [0.077]	0.20 J	3.8	0.38	NS	NS
Chromium	NS	12	12	9.2	9.5	5.7 J	12 J [8.7]	15 J	160 J	22 J	NS	NS
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	3.4	4.8	3.2	2.7 J	1.8	1.7 [1.6 J]	2.8	8	4.5	NS	NS
Copper	NS	19	10	300	7.3 J	6	10 [7.9 J]	21	210 J	110 J	NS	NS
Cyanide (total)	NS	ND(0.30)	ND(0.20)	ND(0.20)	0.044 J	0.062 J	0.043 J [0.018 J]	0.056 J	0.092 J	0.30 R	NS	NS
Lead	300	9.7	20	92	8.6	7.8	11 [7.9]	46	290 J	54 J	NS	NS
Manganese	NS	170 J	120 J	95 J	150	120 J	110 J [110]	190 J	3,200 J(IPSIC)	300 J	2,400(IPSIC)	2,300(IPSIC)
Mercury	NS	0.11	0.035 J	0.028 J	0.022 J	ND(0.075)	ND(0.073) [ND(0.078)]	0.088	0.47	0.063 J	NS	NS
Nickel	NS	9.1	12	8.4	8.5 J	6.5	7 [6.3 J]	14	72	47	NS	NS
Selenium	NS	1.3	0.61 J	0.38 J	0.33 J	ND(0.078)	0.12 J [0.15]	0.23 J	ND(0.46)	ND(0.24)	NS	NS
Silver	NS	0.094 J	0.062 J	0.096 J	0.095 J	ND(0.19)	ND(0.21) [0.060 J]	ND(0.22)	1	0.12 J	NS	NS
Thallium	NS	0.13 J	0.10 J	0.078 J	0.061 J	0.060 J	0.053 J [0.036 J]	ND(0.22)	0.089 J	0.068 J	NS	NS
Vanadium	NS	21	20	12	10	7	7.2 [6.5]	9.3	18	11	NS	NS
Zinc	NS	72	38	160	27	24	16 [15]	30	550 J	100 J	NS	NS
PCBs												
Aroclor-1016	NS	ND(0.050)	ND(0.041)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.039)	ND(0.040)	ND(0.046)	NS	NS
Aroclor-1221	NS	ND(0.050)	ND(0.041)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.039)	ND(0.040)	ND(0.046)	NS	NS
Aroclor-1232	NS	ND(0.050)	ND(0.041)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.039)	ND(0.040)	ND(0.046)	NS	NS
Aroclor-1242	NS	ND(0.050)	ND(0.041)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.039)	ND(0.040)	ND(0.046)	NS	NS
Aroclor-1248	NS	ND(0.050)	ND(0.041)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.039)	0.07	ND(0.046)	NS	NS
Aroclor-1254	NS	ND(0.050)	ND(0.041)	ND(0.042)	0.097	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.039)	0.16	ND(0.046)	NS	NS
Aroclor-1260	NS	ND(0.050)	ND(0.041)	ND(0.042)	0.058	0.029 J	ND(0.039) [ND(0.039)]	0.030 J	ND(0.040)	ND(0.046)	NS	NS
Total PCBs	NS	ND(0.050)	ND(0.041)	ND(0.042)	0.16	0.029	ND(0.039) [ND(0.039)]	0.03	0.23	ND(0.046)	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-03-07	RFI-03-08	RFI-04-01	RFI-04-01	RFI-04-02	RFI-04-02	RFI-04-03	RFI-04-03	RFI-04-03	RFI-04-04	RFI-04-04
Sample Depth(feet):	1-3	0.5-2.5	1-3	9-11	0.7-2.7	8.7-10.7	0.8-2.8	7-9	9-11	1.3-2.1	3.1-5.1
Date Collected:	11/29/01	11/29/01	06/04/01	06/04/01	06/04/01	06/04/01	06/01/01	06/04/01	06/04/01	06/01/01	06/01/01
Volatiles											
1,1,1-Trichloroethane	NS	NS	0.15	0.067	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.041) [0.068 J]	ND(0.040)	ND(0.036)	ND(0.037)
1,1,2,2-Tetrachloroethane	NS	NS	ND(0.071)	ND(0.072)	ND(0.075)	ND(0.076)	ND(0.075)	ND(0.082) [ND(0.072)]	ND(0.080)	ND(0.072)	ND(0.075)
1,1,2-Trichloroethane	NS	NS	ND(0.035)	ND(0.036)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.036)]	ND(0.040)	ND(0.036)	ND(0.037)
1,1-Dichloroethane	NS	NS	0.51	ND(0.036)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.036)]	ND(0.040)	ND(0.036)	ND(0.037)
1,1-Dichloroethene	NS	NS	ND(0.035)	ND(0.036)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.036)]	ND(0.040)	ND(0.036)	ND(0.037)
1,2,4-Trichlorobenzene	NS	NS	ND(0.15)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.16) J	ND(0.17) [ND(0.15)]	ND(0.17)	ND(0.15)	ND(0.16) J
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	ND(0.15)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.16) J	ND(0.17) [ND(0.15)]	ND(0.17)	ND(0.15)	ND(0.16) J
1,2-Dibromoethane (EDB)	NS	NS	ND(0.15)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.15)]	ND(0.17)	ND(0.15)	ND(0.16)
1,2-Dichlorobenzene	NS	NS	ND(0.071)	ND(0.072)	ND(0.075)	ND(0.076)	ND(0.075)	ND(0.082) [ND(0.072)]	ND(0.080)	ND(0.072)	ND(0.075)
1,2-Dichloroethane	NS	NS	ND(0.035)	ND(0.036)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.036)]	ND(0.040)	ND(0.036)	ND(0.037)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	NS	NS	ND(0.035)	ND(0.036)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.036)]	ND(0.040)	ND(0.036)	ND(0.037)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	ND(0.071)	ND(0.072)	ND(0.075)	ND(0.076)	ND(0.075)	ND(0.082) [ND(0.072)]	ND(0.080)	ND(0.072)	ND(0.075)
1,4-Dichlorobenzene	NS	NS	ND(0.071)	ND(0.072)	ND(0.075)	ND(0.076)	ND(0.075)	ND(0.082) [ND(0.072)]	ND(0.080)	ND(0.072)	ND(0.075)
2-Butanone	NS	NS	0.031 J	ND(0.26)	ND(0.27)	ND(0.27)	0.035 J	ND(0.29) [ND(0.26)]	ND(0.29)	ND(0.26)	ND(0.27)
2-Hexanone	NS	NS	ND(0.25)	ND(0.26)	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.29) [ND(0.26)]	ND(0.29)	ND(0.26)	ND(0.27)
4-Methyl-2-pentanone	NS	NS	ND(0.25)	ND(0.26)	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.29) [ND(0.26)]	ND(0.29)	ND(0.26)	ND(0.27)
Acetone	NS	NS	ND(0.25)	ND(0.26)	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.29) [ND(0.26)]	ND(0.29)	ND(0.26)	ND(0.27)
Benzene	NS	NS	ND(0.035)	ND(0.036)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.036)]	ND(0.040)	ND(0.036)	ND(0.037)
Benzene, isopropyl	NS	NS	ND(0.15)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.15)]	ND(0.17)	ND(0.15)	ND(0.16)
Bromodichloromethane	NS	NS	ND(0.071)	ND(0.072)	ND(0.075)	ND(0.076)	ND(0.075)	ND(0.082) [ND(0.072)]	ND(0.080)	ND(0.072)	ND(0.075)
Bromoform	NS	NS	ND(0.071)	ND(0.072)	ND(0.075)	ND(0.076)	ND(0.075)	ND(0.082) [ND(0.072)]	ND(0.080)	ND(0.072)	ND(0.075)
Bromomethane	NS	NS	ND(0.15)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.15)]	ND(0.17)	ND(0.15)	ND(0.16)
Carbon disulfide	NS	NS	ND(0.15)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.15)]	ND(0.17)	ND(0.15)	ND(0.16)
Carbon tetrachloride	NS	NS	ND(0.035)	ND(0.036)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.036)]	ND(0.040)	ND(0.036)	ND(0.037)
Chlorobenzene	NS	NS	ND(0.035)	ND(0.036)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.036)]	ND(0.040)	ND(0.036)	ND(0.037)
Chloroethane	NS	NS	ND(0.15)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.15)]	ND(0.17)	ND(0.15)	ND(0.16)
Chloroform	NS	NS	ND(0.035)	ND(0.036)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.036)]	ND(0.040)	ND(0.036)	ND(0.037)
Chloromethane	NS	NS	ND(0.15)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.15)]	ND(0.17)	ND(0.15)	ND(0.16)
cis-1,2-Dichloroethene	NS	NS	0.081	ND(0.036)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.036)]	ND(0.040)	ND(0.036)	ND(0.037)
cis-1,3-Dichloropropene	NS	NS	ND(0.035)	ND(0.036)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.036)]	ND(0.040)	ND(0.036)	ND(0.037)
Cyclohexane	NS	NS	ND(0.15)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.15)]	ND(0.17)	ND(0.15)	ND(0.16)
Dibromochloromethane	NS	NS	ND(0.071)	ND(0.072)	ND(0.075)	ND(0.076)	ND(0.075)	ND(0.082) [ND(0.072)]	ND(0.080)	ND(0.072)	ND(0.075)
Dichlorodifluoromethane (CFC-12)	NS	NS	ND(0.071)	ND(0.072)	ND(0.075)	ND(0.076)	ND(0.075)	ND(0.082) [ND(0.072)]	ND(0.080)	ND(0.072)	ND(0.075)
Ethylbenzene	NS	NS	ND(0.035)	ND(0.036)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.036)]	ND(0.040)	ND(0.036)	ND(0.037)
m&p-Xylene	NS	NS	ND(0.071)	ND(0.072)	ND(0.075)	ND(0.076)	ND(0.075)	ND(0.082) [ND(0.072)]	ND(0.080)	ND(0.072)	ND(0.075)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-03-07	RFI-03-08	RFI-04-01	RFI-04-01	RFI-04-02	RFI-04-02	RFI-04-03	RFI-04-03	RFI-04-03	RFI-04-04	RFI-04-04
Sample Depth(feet):	1-3	0.5-2.5	1-3	9-11	0.7-2.7	8.7-10.7	0.8-2.8	7-9	9-11	1.3-2.1	3.1-5.1
Date Collected:	11/29/01	11/29/01	06/04/01	06/04/01	06/04/01	06/04/01	06/01/01	06/04/01	06/04/01	06/01/01	06/01/01
Methyl acetate	NS	NS	0.078 J	ND(0.15)	0.48	ND(0.16)	0.046 J	ND(0.17) [ND(0.15)]	ND(0.17)	0.3	ND(0.16) J
Methyl Tert Butyl Ether	NS	NS	ND(0.25)	ND(0.26)	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.29) [ND(0.26)]	ND(0.29)	ND(0.26)	ND(0.27)
Methylcyclohexane	NS	NS	ND(0.15)	ND(0.15)	0.044 J	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.15)]	ND(0.17)	ND(0.15)	ND(0.16)
Methylene chloride	NS	NS	ND(0.15)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.15)]	ND(0.17)	0.034 J	ND(0.16)
o-Xylene	NS	NS	ND(0.035)	ND(0.036)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.036)]	ND(0.040)	ND(0.036)	ND(0.037)
Styrene	NS	NS	ND(0.035)	ND(0.036)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.036)]	ND(0.040)	ND(0.036)	ND(0.037)
Tetrachloroethene	NS	NS	ND(0.035)	ND(0.036)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.036)]	ND(0.040)	ND(0.036)	ND(0.037)
Toluene	NS	NS	ND(0.035)	ND(0.036)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.036)]	ND(0.040)	ND(0.036)	ND(0.037)
trans-1,2-Dichloroethene	NS	NS	0.026 J	ND(0.036)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.036)]	ND(0.040)	ND(0.036)	ND(0.037)
trans-1,3-Dichloropropene	NS	NS	ND(0.035)	ND(0.036)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.036)]	ND(0.040)	ND(0.036)	ND(0.037)
Trichloroethene	NS	NS	0.28	0.039	ND(0.037)	0.030 J	0.046	ND(0.041) [0.037 J]	ND(0.040)	0.11	ND(0.037)
Trichlorofluoromethane (CFC-11)	NS	NS	ND(0.071)	ND(0.072)	ND(0.075)	ND(0.076)	ND(0.075)	ND(0.082) [ND(0.072)]	ND(0.080)	ND(0.072)	ND(0.075)
Trifluorotrichloroethane (Freon 113)	NS	NS	ND(0.15)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.15)]	ND(0.17)	ND(0.15)	ND(0.16)
Vinyl chloride	NS	NS	ND(0.035)	ND(0.036)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.041) [ND(0.036)]	ND(0.040)	ND(0.036)	ND(0.037)
Xylenes (total)	NS	NS	ND(0.071)	ND(0.072)	ND(0.075)	ND(0.076)	ND(0.075)	ND(0.082) [ND(0.072)]	ND(0.080)	ND(0.072)	ND(0.075)
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
2,4,6-Trichlorophenol	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
2,4-Dichlorophenol	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
2,4-Dimethylphenol	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
2,4-Dinitrophenol	NS	NS	ND(3.4)	ND(0.70)	ND(0.71)	ND(0.74)	ND(0.73)	ND(0.77) [ND(0.70)]	ND(0.77)	ND(0.70)	ND(0.72)
2,4-Dinitrotoluene	NS	NS	ND(3.4)	ND(0.70)	ND(0.71)	ND(0.74)	ND(0.73)	ND(0.77) [ND(0.70)]	ND(0.77)	ND(0.70)	ND(0.72)
2,6-Dinitrotoluene	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
2-Chloronaphthalene	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
2-Chlorophenol	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
2-Methyl naphthalene	NS	NS	ND(0.87)	ND(0.18)	0.14 J	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
2-Methylphenol	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
2-Nitroaniline	NS	NS	ND(3.4)	ND(0.70)	ND(0.71)	ND(0.74)	ND(0.73)	ND(0.77) [ND(0.70)]	ND(0.77)	ND(0.70)	ND(0.72)
2-Nitrophenol	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
3&4-Methylphenol	NS	NS	ND(1.7)	ND(0.36)	ND(0.36)	ND(0.38)	ND(0.37)	ND(0.39) [ND(0.36)]	ND(0.39)	ND(0.36)	ND(0.36)
3,3-Dichlorobenzidine	NS	NS	ND(3.4)	ND(0.70)	ND(0.71)	ND(0.74)	ND(0.73)	ND(0.77) [ND(0.70)]	ND(0.77)	ND(0.70)	ND(0.72)
3-Nitroaniline	NS	NS	ND(3.4)	ND(0.70)	ND(0.71)	ND(0.74)	ND(0.73)	ND(0.77) [ND(0.70)]	ND(0.77)	ND(0.70)	ND(0.72)
4,6-Dinitro-2-methylphenol	NS	NS	ND(3.4)	ND(0.70)	ND(0.71)	ND(0.74) J	ND(0.73)	ND(0.77) [ND(0.70)]	ND(0.77)	ND(0.70)	ND(0.72)
4-Bromophenyl phenyl ether	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
4-Chloro-3-methylphenol	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-03-07	RFI-03-08	RFI-04-01	RFI-04-01	RFI-04-02	RFI-04-02	RFI-04-03	RFI-04-03	RFI-04-03	RFI-04-04	RFI-04-04
Sample Depth(feet):	1-3	0.5-2.5	1-3	9-11	0.7-2.7	8.7-10.7	0.8-2.8	7-9	9-11	1.3-2.1	3.1-5.1
Date Collected:	11/29/01	11/29/01	06/04/01	06/04/01	06/04/01	06/04/01	06/01/01	06/04/01	06/04/01	06/01/01	06/01/01
4-Chloroaniline	NS	NS	ND(3.4)	ND(0.70)	ND(0.71)	ND(0.74)	ND(0.73)	ND(0.77) [ND(0.70)]	ND(0.77)	ND(0.70)	ND(0.72)
4-Chlorophenyl phenyl ether	NS	NS	ND(3.4)	ND(0.70)	ND(0.71)	ND(0.74)	ND(0.73)	ND(0.77) [ND(0.70)]	ND(0.77)	ND(0.70)	ND(0.72)
4-Nitroaniline	NS	NS	ND(3.4)	ND(0.70)	ND(0.71)	ND(0.74)	ND(0.73)	ND(0.77) [ND(0.70)]	ND(0.77)	ND(0.70)	ND(0.72)
4-Nitrophenol	NS	NS	ND(3.4)	ND(0.70)	ND(0.71)	ND(0.74) J	ND(0.73)	ND(0.77) [ND(0.70)]	ND(0.77)	ND(0.70)	ND(0.72)
Acenaphthene	NS	NS	ND(0.87)	ND(0.18)	0.099 J	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Acenaphthylene	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Acetophenone	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Anthracene	NS	NS	0.26 J	ND(0.18)	0.42	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Atrazine	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Benzaldehyde	NS	NS	ND(0.87) J	ND(0.18) J	ND(0.18) J	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18) J	ND(0.18) J
Benzo(a)anthracene	NS	NS	1.5	ND(0.18)	0.7	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	0.071 J	ND(0.18)
Benzo(a)pyrene	NS	NS	1.5	ND(0.18)	0.6	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	0.040 J	ND(0.18)
Benzo(b)fluoranthene	NS	NS	1.4	ND(0.18)	0.45	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	0.067 J	ND(0.18)
Benzo(g,h,i)perylene	NS	NS	1.9 J	ND(0.18)	0.68 J	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Benzo(k)fluoranthene	NS	NS	1.4	ND(0.18)	0.44	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	0.055 J	ND(0.18)
Biphenyl	NS	NS	ND(0.87)	ND(0.18)	0.050 J	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
bis(2-Chloroethoxy)methane	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
bis(2-Chloroethyl)ether	NS	NS	ND(0.17) J	ND(0.035) J	ND(0.035) J	ND(0.036)	ND(0.036) J	ND(0.038) [ND(0.035)]	ND(0.038) J	ND(0.034) J	ND(0.035) J
bis(2-Chloroisopropyl)ether	NS	NS	ND(0.87) J	ND(0.18) J	ND(0.18) J	ND(0.19)	ND(0.18)	ND(0.20) J [ND(0.18) J]	ND(0.19) J	ND(0.18)	ND(0.18)
bis(2-Ethylhexyl)phthalate	NS	NS	ND(0.87)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.31) J]	ND(0.19)	ND(0.18)	ND(0.18)
Butyl benzylphthalate	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	0.089 J	ND(0.18)
Caprolactam	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18) J	ND(0.20) [ND(0.18)]	ND(0.19) J	ND(0.18)	ND(0.18)
Carbazole	NS	NS	ND(0.87)	ND(0.18)	0.11 J	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Chrysene	NS	NS	1.9	ND(0.18)	0.7	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	0.091 J	ND(0.18)
Di-n-butylphthalate	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Di-n-octyl phthalate	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Dibenzo(a,h)anthracene	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Dibenzofuran	NS	NS	ND(0.87)	ND(0.18)	0.17 J	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Diethyl phthalate	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Dimethyl phthalate	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Fluoranthene	NS	NS	3.5	ND(0.18)	1.7	0.047 J	0.14 J	ND(0.20) [ND(0.18)]	ND(0.19)	0.17 J	ND(0.18)
Fluorene	NS	NS	ND(0.87)	ND(0.18)	0.10 J	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Hexachlorobenzene	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Hexachlorobutadiene	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Hexachlorocyclopentadiene	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Hexachloroethane	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Indeno(1,2,3-cd)pyrene	NS	NS	1.4 J	ND(0.18)	0.52 J	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Isophorone	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Methylphenols, Total	NS	NS	ND(1.7)	ND(0.36)	ND(0.36)	ND(0.38)	ND(0.37)	ND(0.39) [ND(0.36)]	ND(0.39)	ND(0.36)	ND(0.36)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-03-07	RFI-03-08	RFI-04-01	RFI-04-01	RFI-04-02	RFI-04-02	RFI-04-03	RFI-04-03	RFI-04-03	RFI-04-04	RFI-04-04
Sample Depth(feet):	1-3	0.5-2.5	1-3	9-11	0.7-2.7	8.7-10.7	0.8-2.8	7-9	9-11	1.3-2.1	3.1-5.1
Date Collected:	11/29/01	11/29/01	06/04/01	06/04/01	06/04/01	06/04/01	06/01/01	06/04/01	06/04/01	06/01/01	06/01/01
N-Nitrosodi-n-propylamine	NS	NS	ND(0.87) J	ND(0.18)	ND(0.18) J	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
N-Nitrosodiphenylamine	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Naphthalene	NS	NS	ND(0.87) J	ND(0.18) J	0.14 J	ND(0.19)	ND(0.18)	ND(0.20) J [ND(0.18) J]	ND(0.19) J	ND(0.18)	ND(0.18)
Nitrobenzene	NS	NS	ND(0.34)	ND(0.070)	ND(0.071)	ND(0.074)	ND(0.073)	ND(0.077) [ND(0.070)]	ND(0.077)	ND(0.070)	ND(0.072)
Pentachlorophenol	NS	NS	ND(3.4)	ND(0.70)	ND(0.71)	ND(0.74)	ND(0.73)	ND(0.77) [ND(0.70)]	ND(0.77)	ND(0.70)	ND(0.72)
Phenanthrene	NS	NS	1.4	ND(0.18)	1.6	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	0.12 J	ND(0.18)
Phenol	NS	NS	ND(0.87)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) [ND(0.18)]	ND(0.19)	ND(0.18)	ND(0.18)
Pyrene	NS	NS	3.8	ND(0.18)	1.7	0.042 J	0.12 J	ND(0.20) [ND(0.18)]	ND(0.19)	0.14 J	ND(0.18)
Inorganics											
Antimony	NS	NS	0.40 R	0.36 R	0.26 J	0.41 R	0.37 R	0.42 J [0.38 R]	0.44 R	0.36 R	0.46 R
Arsenic	NS	NS	2.9	1.4	2.6	5.8	3.9	6.5 [5.0]	7	3.4	4.1
Barium	NS	NS	87	6.5	19	77	39	49 J [7.8 J]	37	14	18
Beryllium	NS	NS	0.12 J	0.079 J	0.13 J	0.33	0.21	0.50 J [0.094 J]	0.47	0.13 J	0.28
Cadmium	NS	NS	0.18	0.038	0.061	0.35	0.1	0.18 J [0.074 J]	0.12	0.13	0.19
Chromium	NS	NS	33	3	10	16	5.9	15 J [4.2 J]	16	21	4.9
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	2.7	1.4	2.1	6.4	3	9.8 J [2.0 J]	10	2.2	3.5
Copper	NS	NS	90	4.2	14	65	10	16 J [9.1 J]	15	24	9.4
Cyanide (total)	NS	NS	0.073 J	0.020 J	0.073 J	0.027 J	0.46	4 [ND(0.20)]	5.5	NS	NS
Lead	NS	NS	32	4.2	32	52	12	11 [7.6]	11	8.7	7.7
Manganese	3,500(RPSIC,IPSIC)	930	250 J	51 J	200 J	350 J	210	400 J [98 J]	650 J	260	200
Mercury	NS	NS	0.019 J	ND(0.073)	ND(0.072)	ND(0.075)	0.028 J	0.021 J [ND(0.073)]	0.016 J	0.024 J	0.018 J
Nickel	NS	NS	70	3.1	10	36	9.6	25 J [4.7 J]	25	13	9.1
Selenium	NS	NS	ND(1.6)	ND(1.4)	ND(1.7)	ND(1.6)	ND(1.5)	ND(2.0) [ND(1.5)]	ND(1.8)	ND(1.5)	ND(1.8)
Silver	NS	NS	0.13 J	ND(0.19)	0.10 J	0.12 J	0.050 J	0.11 J [ND(0.17)]	0.069 J	0.11 J	0.13 J
Thallium	NS	NS	ND(0.26)	ND(0.23)	0.45	0.19 J	ND(0.24)	0.20 J [ND(0.24)]	0.19 J	ND(0.23)	0.14 J
Vanadium	NS	NS	7.2	4.2	6.3	14	6.5	18 J [6.1 J]	18	5.5	7.5
Zinc	NS	NS	50	21	14	54	28 J	43 [35]	41	19 J	33 J
PCBs											
Aroclor-1016	NS	NS	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.037)]	ND(0.040)	ND(0.037)	ND(0.037)
Aroclor-1221	NS	NS	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.037)]	ND(0.040)	ND(0.037)	ND(0.037)
Aroclor-1232	NS	NS	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.037)]	ND(0.040)	ND(0.037)	ND(0.037)
Aroclor-1242	NS	NS	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.037)]	ND(0.040)	ND(0.037)	ND(0.037)
Aroclor-1248	NS	NS	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.037)]	ND(0.040)	ND(0.037)	ND(0.037)
Aroclor-1254	NS	NS	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.037)]	ND(0.040)	0.085	ND(0.037)
Aroclor-1260	NS	NS	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.037)]	ND(0.040)	ND(0.037)	ND(0.037)
Total PCBs	NS	NS	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.037)]	ND(0.040)	0.085	ND(0.037)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-04-04	RFI-05-01	RFI-05-01	RFI-05-02	RFI-05-02	RFI-05-02	RFI-05-03	RFI-05-03	RFI-05-04	RFI-05-04	RFI-05-05
Sample Depth(feet):	5.1-7.1	1-3	7-9	0-2	10-12	8-10	0.6-2.6	8.6-10.6	0-2	8-10	0-2
Date Collected:	06/01/01	06/26/01	06/26/01	01/26/01	01/23/01	01/23/01	06/26/01	06/26/01	01/26/01	01/24/01	01/26/01
Volatiles											
1,1,1-Trichloroethane	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.036)
1,1,2,2-Tetrachloroethane	ND(0.076) [ND(0.076)]	ND(0.077)	ND(0.079)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.078)	ND(0.077)	ND(0.037)	ND(0.040)	ND(0.036)
1,1,2-Trichloroethane	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.036)
1,1-Dichloroethane	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.036)
1,1-Dichloroethene	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.036)
1,2,4-Trichlorobenzene	ND(0.16) J [ND(0.16) J]	ND(0.17)	ND(0.17)	NS	NS	NS	ND(0.17)	ND(0.16)	NS	NS	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16) J [ND(0.16) J]	ND(0.17)	ND(0.17)	NS	NS	NS	ND(0.17)	ND(0.16)	NS	NS	NS
1,2-Dibromoethane (EDB)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.17)	NS	NS	NS	ND(0.17)	ND(0.16)	NS	NS	NS
1,2-Dichlorobenzene	ND(0.076) [ND(0.076)]	ND(0.077)	ND(0.079)	NS	NS	NS	ND(0.078)	ND(0.077)	NS	NS	NS
1,2-Dichloroethane	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.036)
1,2-Dichloroethene (total)	NS	NS	NS	ND(0.078) [ND(0.13)]	ND(0.073)	ND(0.084)	NS	NS	ND(0.073)	ND(0.080)	ND(0.072)
1,2-Dichloropropane	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.036)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.076) [ND(0.076)]	ND(0.077)	ND(0.079)	NS	NS	NS	ND(0.078)	ND(0.077)	NS	NS	NS
1,4-Dichlorobenzene	ND(0.076) [ND(0.076)]	ND(0.077)	ND(0.079)	NS	NS	NS	ND(0.078)	ND(0.077)	NS	NS	NS
2-Butanone	ND(0.27) [ND(0.27)]	ND(0.28)	ND(0.28)	ND(0.28) [ND(0.48)]	ND(0.26)	ND(0.30)	0.029 J	ND(0.27)	ND(0.26)	ND(0.28)	ND(0.26)
2-Hexanone	ND(0.27) [ND(0.27)]	ND(0.28)	ND(0.28)	ND(0.17) [ND(0.29)]	ND(0.16)	ND(0.18)	ND(0.28)	ND(0.27)	ND(0.16)	ND(0.17)	ND(0.15)
4-Methyl-2-pentanone	ND(0.27) [ND(0.27)]	ND(0.28)	ND(0.28)	ND(0.17) [ND(0.29)]	ND(0.16)	ND(0.18)	ND(0.28)	ND(0.27)	ND(0.16)	ND(0.17)	ND(0.15)
Acetone	ND(0.27) [ND(0.27)]	ND(0.28)	ND(0.28)	0.36 [0.59 J]	ND(0.26)	ND(0.30)	ND(0.28)	ND(0.27) J	0.35 J	ND(0.28)	0.31
Benzene	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.036)
Benzene, isopropyl	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.17)	NS	NS	NS	ND(0.17)	ND(0.16)	NS	NS	NS
Bromodichloromethane	ND(0.076) [ND(0.076)]	ND(0.077)	ND(0.079)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.078)	ND(0.077)	ND(0.037)	ND(0.040)	ND(0.036)
Bromoform	ND(0.076) [ND(0.076)]	ND(0.077)	ND(0.079)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.078)	ND(0.077)	ND(0.037)	ND(0.040)	ND(0.036)
Bromomethane	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.17)	ND(0.17) J [ND(0.29) J]	ND(0.16) J	ND(0.18) J	ND(0.17)	ND(0.16)	ND(0.16) J	ND(0.17) J	ND(0.15) J
Carbon disulfide	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.29)]	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.15)
Carbon tetrachloride	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.036)
Chlorobenzene	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.036)
Chloroethane	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.29)]	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.15)
Chloroform	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.036)
Chloromethane	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.29)]	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.15)
cis-1,2-Dichloroethene	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.036)
cis-1,3-Dichloropropene	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.036)
Cyclohexane	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.17)	NS	NS	NS	ND(0.17)	ND(0.16)	NS	NS	NS
Dibromochloromethane	ND(0.076) [ND(0.076)]	ND(0.077)	ND(0.079)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.078)	ND(0.077)	ND(0.037)	ND(0.040)	ND(0.036)
Dichlorodifluoromethane (CFC-12)	ND(0.076) [ND(0.076)]	ND(0.077)	ND(0.079)	NS	NS	NS	ND(0.078)	ND(0.077)	NS	NS	NS
Ethylbenzene	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.036)
m&p-Xylene	ND(0.076) [ND(0.076)]	ND(0.077)	ND(0.079)	0.088 J [ND(0.13)]	ND(0.073)	ND(0.084)	ND(0.078)	ND(0.077)	ND(0.073)	ND(0.080)	ND(0.072)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-04-04	RFI-05-01	RFI-05-01	RFI-05-02	RFI-05-02	RFI-05-02	RFI-05-03	RFI-05-03	RFI-05-04	RFI-05-04	RFI-05-05
Sample Depth(feet):	5.1-7.1	1-3	7-9	0-2	10-12	8-10	0.6-2.6	8.6-10.6	0-2	8-10	0-2
Date Collected:	06/01/01	06/26/01	06/26/01	01/26/01	01/23/01	01/23/01	06/26/01	06/26/01	01/26/01	01/24/01	01/26/01
Methyl acetate	ND(0.16) J [ND(0.16) J]	ND(0.17)	ND(0.17)	NS	NS	NS	0.052 J	ND(0.16)	NS	NS	NS
Methyl Tert Butyl Ether	ND(0.27) [ND(0.27)]	ND(0.28)	ND(0.28)	NS	NS	NS	ND(0.28)	ND(0.27)	NS	NS	NS
Methylcyclohexane	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.17)	NS	NS	NS	ND(0.17)	ND(0.16)	NS	NS	NS
Methylene chloride	ND(0.16) [ND(0.16)]	ND(0.17) J	ND(0.17) J	ND(0.17) [ND(0.29)]	ND(0.16)	ND(0.18)	ND(0.17) J	ND(0.16) J	ND(0.16)	ND(0.17)	ND(0.15)
o-Xylene	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.036)
Styrene	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.036)
Tetrachloroethene	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.036)
Toluene	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.036)
trans-1,2-Dichloroethene	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.036)
trans-1,3-Dichloropropene	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.036)
Trichloroethene	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.039)	ND(0.038)	0.23	ND(0.040)	ND(0.036)
Trichlorofluoromethane (CFC-11)	ND(0.076) [ND(0.076)]	ND(0.077)	ND(0.079)	NS	NS	NS	ND(0.078)	ND(0.077)	NS	NS	NS
Trifluorotrichloroethane (Freon 113)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.17)	NS	NS	NS	ND(0.17)	ND(0.16)	NS	NS	NS
Vinyl chloride	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.039) [ND(0.067)]	ND(0.036)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.036)
Xylenes (total)	ND(0.076) [ND(0.076)]	ND(0.077)	ND(0.079)	0.088 [ND(0.13)]	ND(0.073)	ND(0.084)	ND(0.078)	ND(0.077)	ND(0.073)	ND(0.080)	ND(0.072)
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)
1,2-Dichlorobenzene	NS	NS	NS	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)
1,3-Dichlorobenzene	NS	NS	NS	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	NS	NS	ND(0.18)	ND(0.19)	ND(0.19)
1,4-Dichlorobenzene	NS	NS	NS	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	NS	NS	ND(0.18) J	ND(0.19)	ND(0.19)
2,4,5-Trichlorophenol	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.19) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)
2,4,6-Trichlorophenol	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.19) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)
2,4-Dichlorophenol	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.19) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)
2,4-Dimethylphenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
2,4-Dinitrophenol	ND(0.72) [ND(0.71)]	ND(0.73) J	ND(0.77)	ND(0.71) [ND(0.71)]	ND(0.70)	ND(0.70)	ND(0.74)	ND(0.73) J	ND(0.73)	ND(0.76)	ND(0.74)
2,4-Dinitrotoluene	ND(0.72) [ND(0.71)]	ND(0.73)	ND(0.77)	ND(0.18) [ND(0.18)]	ND(0.18) J	ND(0.18) J	ND(0.74)	ND(0.73)	ND(0.18)	ND(0.19) J	ND(0.19)
2,6-Dinitrotoluene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
2-Chloronaphthalene	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.19) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)
2-Chlorophenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
2-Methyl naphthalene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
2-Methylphenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
2-Nitroaniline	ND(0.72) [ND(0.71)]	ND(0.73)	ND(0.77)	ND(0.71) [ND(0.71)]	ND(0.70)	ND(0.70)	ND(0.74)	ND(0.73)	ND(0.73)	ND(0.76)	ND(0.74)
2-Nitrophenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
3&4-Methylphenol	ND(0.36) [ND(0.36)]	ND(0.37) J	ND(0.39)	ND(0.35) [ND(0.35)]	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.37) J	ND(0.36)	ND(0.37)	ND(0.36)
3,3-Dichlorobenzidine	ND(0.72) [ND(0.71)]	ND(0.73) J	ND(0.77)	ND(0.71) [ND(0.71)]	ND(0.70) J	ND(0.70) J	ND(0.74)	ND(0.73)	ND(0.73)	ND(0.76)	ND(0.74)
3-Nitroaniline	ND(0.72) [ND(0.71)]	ND(0.73)	ND(0.77)	ND(0.71) [ND(0.71)]	ND(0.70)	ND(0.70)	ND(0.74)	ND(0.73)	ND(0.73)	ND(0.76)	ND(0.74)
4,6-Dinitro-2-methylphenol	ND(0.72) [ND(0.71)]	ND(0.73)	ND(0.77)	ND(0.71) [ND(0.71)]	ND(0.70)	ND(0.70)	ND(0.74)	ND(0.73)	ND(0.73)	ND(0.76)	ND(0.74)
4-Bromophenyl phenyl ether	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
4-Chloro-3-methylphenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-04-04	RFI-05-01	RFI-05-01	RFI-05-02	RFI-05-02	RFI-05-02	RFI-05-03	RFI-05-03	RFI-05-04	RFI-05-04	RFI-05-05
Sample Depth(feet):	5.1-7.1	1-3	7-9	0-2	10-12	8-10	0.6-2.6	8.6-10.6	0-2	8-10	0-2
Date Collected:	06/01/01	06/26/01	06/26/01	01/26/01	01/23/01	01/23/01	06/26/01	06/26/01	01/26/01	01/24/01	01/26/01
4-Chloroaniline	ND(0.72) [ND(0.71)]	ND(0.73)	ND(0.77)	ND(0.71) J [ND(0.71) J]	ND(0.70) J	ND(0.70) J	ND(0.74)	ND(0.73)	ND(0.73) J	ND(0.76)	ND(0.74) J
4-Chlorophenyl phenyl ether	ND(0.72) [ND(0.71)]	ND(0.73) J	ND(0.77) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.74) J	ND(0.73) J	ND(0.18)	ND(0.19)	ND(0.19)
4-Nitroaniline	ND(0.72) [ND(0.71)]	ND(0.73)	ND(0.77)	ND(0.71) [ND(0.71)]	ND(0.70)	ND(0.70)	ND(0.74)	ND(0.73)	ND(0.73)	ND(0.76)	ND(0.74)
4-Nitrophenol	ND(0.72) [ND(0.71)]	ND(0.73)	ND(0.77)	ND(0.71) [ND(0.71)]	ND(0.70)	ND(0.70)	ND(0.74)	ND(0.73)	ND(0.73)	ND(0.76)	ND(0.74)
Acenaphthene	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.19) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)
Acenaphthylene	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.19) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)
Acetophenone	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Anthracene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Atrazine	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Benzaldehyde	ND(0.18) J [ND(0.18)]	ND(0.19) J	ND(0.19)	NS	NS	NS	ND(0.19)	ND(0.19) J	NS	NS	NS
Benzo(a)anthracene	ND(0.18) [ND(0.18)]	0.20 J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Benzo(a)pyrene	ND(0.18) [ND(0.18)]	0.26 J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	0.23
Benzo(b)fluoranthene	ND(0.18) [ND(0.18)]	0.21 J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	0.18 J	ND(0.19)	ND(0.18)	ND(0.19)	0.24
Benzo(g,h,i)perylene	ND(0.18) [ND(0.18)]	0.37 J	ND(0.19) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)
Benzo(k)fluoranthene	ND(0.18) [ND(0.18)]	0.29 J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	0.16 J	ND(0.19) J	ND(0.18)	ND(0.19)	0.22
Biphenyl	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
bis(2-Chloroethoxy)methane	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) J [ND(0.18) J]	ND(0.18) J	ND(0.18) J	ND(0.19)	ND(0.19)	ND(0.18) J	ND(0.19) J	ND(0.19) J
bis(2-Chloroethyl)ether	ND(0.035) J [ND(0.035) J]	ND(0.036)	ND(0.038)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.036)	ND(0.036)	ND(0.18)	ND(0.19)	ND(0.19)
bis(2-Chloroisopropyl)ether	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
bis(2-Ethylhexyl)phthalate	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	0.23	ND(0.19)
Butyl benzylphthalate	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Caprolactam	ND(0.18) [ND(0.18) J]	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Carbazole	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Chrysene	ND(0.18) [ND(0.18)]	0.21 J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	0.19
Di-n-butylphthalate	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Di-n-octyl phthalate	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Dibenzo(a,h)anthracene	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.19) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)
Dibenzofuran	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Diethyl phthalate	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Dimethyl phthalate	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Fluoranthene	ND(0.18) [ND(0.18)]	0.28	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	0.29
Fluorene	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.19) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)
Hexachlorobenzene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Hexachlorobutadiene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Hexachlorocyclopentadiene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) J [ND(0.18) J]	ND(0.18) J	ND(0.18) J	ND(0.19)	ND(0.19)	ND(0.18) J	ND(0.19) J	ND(0.19) J
Hexachloroethane	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Indeno(1,2,3-cd)pyrene	ND(0.18) [ND(0.18)]	0.27 J	ND(0.19) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)
Isophorone	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.19) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.19) J	ND(0.18)	ND(0.19)	ND(0.19)
Methylphenols, Total	ND(0.36) [ND(0.36)]	ND(0.37)	ND(0.39)	ND(0.35) [ND(0.35)]	ND(0.35)	ND(0.35)	ND(0.37)	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.36)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-04-04	RFI-05-01	RFI-05-01	RFI-05-02	RFI-05-02	RFI-05-02	RFI-05-03	RFI-05-03	RFI-05-04	RFI-05-04	RFI-05-05
Sample Depth(feet):	5.1-7.1	1-3	7-9	0-2	10-12	8-10	0.6-2.6	8.6-10.6	0-2	8-10	0-2
Date Collected:	06/01/01	06/26/01	06/26/01	01/26/01	01/23/01	01/23/01	06/26/01	06/26/01	01/26/01	01/24/01	01/26/01
N-Nitrosodi-n-propylamine	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) J	ND(0.19)	ND(0.19)
N-Nitrosodiphenylamine	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Naphthalene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Nitrobenzene	ND(0.072) [ND(0.071)]	ND(0.073) J	ND(0.077) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.074) J	ND(0.073) J	ND(0.18)	ND(0.19)	ND(0.19)
Pentachlorophenol	ND(0.72) [ND(0.71)]	ND(0.73)	ND(0.77)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.74)	ND(0.73)	ND(0.18)	ND(0.19)	ND(0.19)
Phenanthrene	ND(0.18) [ND(0.18)]	0.049 J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Phenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)
Pyrene	ND(0.18) [ND(0.18)]	0.45 J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	0.37
Inorganics											
Antimony	0.43 R [0.39 R]	0.21 R	0.23 R	NS	NS	NS	0.25 R	0.23 R	NS	NS	NS
Arsenic	3.7 [4.9]	3.1	3.3	4.2 [5.9]	5.7 J	7.6 J	2.9	2.5	4.4	11(RDC)	5.5
Barium	14 [56]	12	16	15 J [19 J]	8.1 J	44 J	23	6.1	27 J	77 J	27 J
Beryllium	0.11 J [0.28]	0.082 J	0.16	NS	NS	NS	0.21	0.081 J	NS	NS	NS
Cadmium	0.068 [0.32]	0.07	0.1	0.14 [0.17]	0.11 J	0.12 J	0.16	0.068	0.12	0.19	0.11
Chromium	3.8 [10]	5	6.6	7.9 [6.9]	6.9	13	8.4	4	9	14	8.1
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	2.6 [4.1]	2.0 J	2.7 J	NS	NS	NS	3.1 J	2.0 J	NS	NS	NS
Copper	6.3 [36]	4.6 J	5.1 J	NS	NS	NS	9.3 J	3.9 J	NS	NS	NS
Cyanide (total)	NS	0.039 J	0.047 J	NS	NS	NS	0.017 J	0.018 J	NS	NS	NS
Lead	5 [50]	3.5	4.6	5.9 J [6.0 J]	6.8 J	7.1 J	8.5	2.7	9.9 J	9.7 J	9.4 J
Manganese	150 [400]	130	150	NS	NS	NS	160	110	NS	NS	NS
Mercury	ND(0.071) [0.018 J]	ND(0.074)	ND(0.080)	0.043 [ND(0.021)]	ND(0.020)	ND(0.021)	ND(0.076)	ND(0.074)	0.027	0.03	0.029
Nickel	7.3 [20]	5.2 J	5.9 J	NS	NS	NS	9.6 J	5.1 J	NS	NS	NS
Selenium	ND(1.7) [ND(1.6)]	0.26 J	ND(0.092)	0.12 [0.10]	ND(0.090)	ND(0.074)	ND(0.098)	0.062 J	0.15	0.2	0.076
Silver	ND(0.19) J [0.11 J]	0.027 J	0.026 J	ND(0.19) [ND(0.19)]	ND(0.23)	ND(0.19)	0.046 J	0.021 J	ND(0.17)	ND(0.18)	ND(0.19)
Thallium	ND(0.27) [0.11 J]	0.033 J	0.049 J	NS	NS	NS	0.050 J	0.032 J	NS	NS	NS
Vanadium	5.6 [10]	7.9	11	NS	NS	NS	12	6.5	NS	NS	NS
Zinc	21 J [43 J]	18	27	NS	NS	NS	28	14	NS	NS	NS
PCBs											
Aroclor-1016	ND(0.037) [ND(0.037)]	ND(0.038)	ND(0.040)	ND(0.035)	NS	NS	ND(0.039)	ND(0.038)	NS	NS	NS
Aroclor-1221	ND(0.037) [ND(0.037)]	ND(0.038)	ND(0.040)	ND(0.035)	NS	NS	ND(0.039)	ND(0.038)	NS	NS	NS
Aroclor-1232	ND(0.037) [ND(0.037)]	ND(0.038)	ND(0.040)	ND(0.035)	NS	NS	ND(0.039)	ND(0.038)	NS	NS	NS
Aroclor-1242	ND(0.037) [ND(0.037)]	ND(0.038)	ND(0.040)	ND(0.035)	NS	NS	ND(0.039)	ND(0.038)	NS	NS	NS
Aroclor-1248	ND(0.037) [ND(0.037)]	ND(0.038)	ND(0.040)	ND(0.035)	NS	NS	ND(0.039)	ND(0.038)	NS	NS	NS
Aroclor-1254	ND(0.037) [ND(0.037)]	ND(0.038)	ND(0.040)	ND(0.035)	NS	NS	ND(0.039)	ND(0.038)	NS	NS	NS
Aroclor-1260	ND(0.037) [ND(0.037)]	ND(0.038)	ND(0.040)	ND(0.035)	NS	NS	ND(0.039)	ND(0.038)	NS	NS	NS
Total PCBs	ND(0.037) [ND(0.037)]	ND(0.038)	ND(0.040)	ND(0.035)	NS	NS	ND(0.039)	ND(0.038)	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-05-05	RFI-05-05	RFI-05-06	RFI-05-06	RFI-05-07	RFI-05-07	RFI-05-07	RFI-05-08	RFI-05-08	RFI-05-09	RFI-05-09	RFI-05-10
Sample Depth(feet):	10-12	8-10	0-2	8-10	0-2	10-12	8-10	0.7-2.7	2.7-4.7	0.2-2.2	6.2-8.2	0-2
Date Collected:	01/23/01	01/23/01	07/25/01	07/25/01	01/26/01	01/24/01	01/24/01	06/27/01	06/27/01	06/27/01	06/27/01	01/26/01
Volatiles												
1,1,1-Trichloroethane	ND(0.040)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.042)	ND(0.041)	ND(0.039)
1,1,2,2-Tetrachloroethane	ND(0.040)	ND(0.040)	ND(0.073)	ND(0.079)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.074)	ND(0.073) [ND(0.075)]	ND(0.083)	ND(0.082)	ND(0.039)
1,1,2-Trichloroethane	ND(0.040)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.042)	ND(0.041)	ND(0.039)
1,1-Dichloroethane	ND(0.040)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.042)	ND(0.041)	ND(0.039)
1,1-Dichloroethene	ND(0.040)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.042)	ND(0.041)	ND(0.039)
1,2,4-Trichlorobenzene	NS	NS	ND(0.16)	ND(0.17) J	NS	NS	NS	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.18)	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	ND(0.16)	ND(0.17)	NS	NS	NS	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.18)	NS
1,2-Dibromoethane (EDB)	NS	NS	ND(0.16)	ND(0.17)	NS	NS	NS	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.18)	NS
1,2-Dichlorobenzene	NS	NS	ND(0.073)	ND(0.079)	NS	NS	NS	ND(0.074)	ND(0.073) [ND(0.075)]	ND(0.083)	ND(0.082)	NS
1,2-Dichloroethane	ND(0.040)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.042)	ND(0.041)	ND(0.039)
1,2-Dichloroethene (total)	ND(0.081)	ND(0.080)	NS	NS	ND(0.075)	ND(0.087)	ND(0.079)	NS	NS	NS	NS	ND(0.078)
1,2-Dichloropropane	ND(0.040)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.042)	ND(0.041)	ND(0.039)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	ND(0.073)	ND(0.079)	NS	NS	NS	ND(0.074)	ND(0.073) [ND(0.075)]	ND(0.083)	ND(0.082)	NS
1,4-Dichlorobenzene	NS	NS	ND(0.073)	ND(0.079)	NS	NS	NS	ND(0.074)	ND(0.073) [ND(0.075)]	ND(0.083)	ND(0.082)	NS
2-Butanone	ND(0.29)	ND(0.29)	ND(0.26)	ND(0.28)	ND(0.27)	ND(0.31)	ND(0.28)	ND(0.27)	0.029 J [ND(0.27)]	ND(0.30)	ND(0.29)	ND(0.28)
2-Hexanone	ND(0.17)	ND(0.17)	ND(0.26)	ND(0.28)	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.27)	ND(0.26) [ND(0.27)]	ND(0.30)	ND(0.29)	ND(0.17)
4-Methyl-2-pentanone	ND(0.17)	ND(0.17)	ND(0.26)	ND(0.28)	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.27)	ND(0.26) [ND(0.27)]	ND(0.30)	ND(0.29)	ND(0.17)
Acetone	ND(0.29)	ND(0.29)	ND(0.26) J	ND(0.28) J	0.32 J	ND(0.31)	ND(0.28)	0.066 J	0.072 J [0.064 J]	0.089 J	0.084 J	0.38
Benzene	ND(0.040)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.037)	0.043 J [ND(0.037)]	ND(0.042)	ND(0.041)	ND(0.039)
Benzene, isopropyl	NS	NS	ND(0.16)	ND(0.17)	NS	NS	NS	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.18)	NS
Bromodichloromethane	ND(0.040)	ND(0.040)	ND(0.073)	ND(0.079)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.074)	ND(0.073) [ND(0.075)]	ND(0.083)	ND(0.082)	ND(0.039)
Bromoform	ND(0.040)	ND(0.040)	ND(0.073)	ND(0.079)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.074)	ND(0.073) [ND(0.075)]	ND(0.083)	ND(0.082)	ND(0.039)
Bromomethane	ND(0.17) J	ND(0.17) J	ND(0.16)	ND(0.17)	ND(0.16) J	ND(0.19) J	ND(0.17) J	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.18)	ND(0.17) J
Carbon disulfide	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.18)	ND(0.17)
Carbon tetrachloride	ND(0.040)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.042)	ND(0.041)	ND(0.039)
Chlorobenzene	ND(0.040)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.042)	ND(0.041)	ND(0.039)
Chloroethane	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.18)	ND(0.17)
Chloroform	ND(0.040)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.042)	ND(0.041)	ND(0.039)
Chloromethane	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.18)	ND(0.17)
cis-1,2-Dichloroethene	ND(0.040)	ND(0.040)	ND(0.036)	ND(0.039)	0.048	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.042)	ND(0.041)	ND(0.039)
cis-1,3-Dichloropropene	ND(0.040)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.042)	ND(0.041)	ND(0.039)
Cyclohexane	NS	NS	ND(0.16)	ND(0.17)	NS	NS	NS	ND(0.16)	0.14 J [0.059 J]	0.036 J	ND(0.18)	NS
Dibromochloromethane	ND(0.040)	ND(0.040)	ND(0.073)	ND(0.079)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.074)	ND(0.073) [ND(0.075)]	ND(0.083)	ND(0.082)	ND(0.039)
Dichlorodifluoromethane (CFC-12)	NS	NS	ND(0.073)	ND(0.079)	NS	NS	NS	ND(0.074)	ND(0.073) [ND(0.075)]	ND(0.083)	ND(0.082)	NS
Ethylbenzene	ND(0.040)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.037)	0.030 J [ND(0.037)]	ND(0.042)	ND(0.041)	ND(0.039)
m&p-Xylene	ND(0.081)	ND(0.080)	ND(0.073)	ND(0.079)	ND(0.075)	ND(0.087)	ND(0.079)	0.028 J	0.20 J [0.041 J]	0.041 J	ND(0.082)	ND(0.078)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-05-05	RFI-05-05	RFI-05-06	RFI-05-06	RFI-05-07	RFI-05-07	RFI-05-07	RFI-05-08	RFI-05-08	RFI-05-09	RFI-05-09	RFI-05-10
Sample Depth(feet):	10-12	8-10	0-2	8-10	0-2	10-12	8-10	0.7-2.7	2.7-4.7	0.2-2.2	6.2-8.2	0-2
Date Collected:	01/23/01	01/23/01	07/25/01	07/25/01	01/26/01	01/24/01	01/24/01	06/27/01	06/27/01	06/27/01	06/27/01	01/26/01
Methyl acetate	NS	NS	0.030 J	0.034 J	NS	NS	NS	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.18)	0.44	NS
Methyl Tert Butyl Ether	NS	NS	ND(0.26)	ND(0.28)	NS	NS	NS	ND(0.27)	ND(0.26) [ND(0.27)]	ND(0.30)	ND(0.29)	NS
Methylcyclohexane	NS	NS	ND(0.16)	ND(0.17)	NS	NS	NS	0.066 J	0.26 J [0.11 J]	0.068 J	ND(0.18)	NS
Methylene chloride	ND(0.17)	ND(0.17)	ND(0.16) J	ND(0.17)	ND(0.16)	ND(0.19)	ND(0.17)	0.030 J	0.035 J [0.036 J]	0.042 J	0.038 J	ND(0.17)
o-Xylene	ND(0.040)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.037)	0.094 J [0.027 J]	ND(0.042)	ND(0.041)	ND(0.039)
Styrene	ND(0.040)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.042)	ND(0.041)	ND(0.039)
Tetrachloroethene	ND(0.040)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.042)	ND(0.041)	ND(0.039)
Toluene	ND(0.040)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.037)	0.26 J [0.028 J]	ND(0.042)	ND(0.041)	ND(0.039)
trans-1,2-Dichloroethene	ND(0.040)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.042)	ND(0.041)	ND(0.039)
trans-1,3-Dichloropropene	ND(0.040)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.042)	ND(0.041)	ND(0.039)
Trichloroethene	ND(0.040)	ND(0.040)	ND(0.036)	0.030 J	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.042)	ND(0.041)	0.57
Trichlorofluoromethane (CFC-11)	NS	NS	ND(0.073)	ND(0.079)	NS	NS	NS	ND(0.074)	ND(0.073) [ND(0.075)]	ND(0.083)	ND(0.082)	NS
Trifluorotrichloroethane (Freon 113)	NS	NS	ND(0.16)	ND(0.17)	NS	NS	NS	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.18)	NS
Vinyl chloride	ND(0.040)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.037)	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.042)	ND(0.041)	ND(0.039)
Xylenes (total)	ND(0.081)	ND(0.080)	ND(0.073)	ND(0.079)	ND(0.075)	ND(0.087)	ND(0.079)	0.028	0.29 [0.068]	0.041	ND(0.082)	ND(0.078)
Semivolatiles												
1,2,4-Trichlorobenzene	ND(0.19)	ND(0.18)	NS	NS	ND(0.18)	ND(0.20)	ND(0.19)	NS	NS	NS	NS	ND(0.18)
1,2-Dichlorobenzene	ND(0.19)	ND(0.18)	NS	NS	ND(0.18)	ND(0.20)	ND(0.19)	NS	NS	NS	NS	ND(0.18)
1,3-Dichlorobenzene	ND(0.19)	ND(0.18)	NS	NS	ND(0.18)	ND(0.20)	ND(0.19)	NS	NS	NS	NS	ND(0.18)
1,4-Dichlorobenzene	ND(0.19)	ND(0.18)	NS	NS	ND(0.18)	ND(0.20)	ND(0.19)	NS	NS	NS	NS	ND(0.18)
2,4,5-Trichlorophenol	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18)
2,4,6-Trichlorophenol	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18)
2,4-Dichlorophenol	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18)
2,4-Dimethylphenol	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18)
2,4-Dinitrophenol	ND(0.76)	ND(0.71)	ND(0.69) J	ND(0.75) J	ND(0.72)	ND(0.79)	ND(0.76)	ND(0.71)	ND(0.71) [ND(0.72)]	ND(0.78)	ND(3.9)	ND(0.71)
2,4-Dinitrotoluene	ND(0.19) J	ND(0.18) J	ND(0.69)	ND(0.75)	ND(0.18)	ND(0.20) J	ND(0.19) J	ND(0.71)	ND(0.71) [ND(0.72)]	ND(0.78)	ND(3.9)	ND(0.18)
2,6-Dinitrotoluene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18)
2-Chloronaphthalene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18)
2-Chlorophenol	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18)
2-Methyl naphthalene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	0.11 J [ND(0.18)]	0.68 J	ND(0.99)	ND(0.18)
2-Methylphenol	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	0.039 J	ND(0.99)	ND(0.18)
2-Nitroaniline	ND(0.76)	ND(0.71)	ND(0.69)	ND(0.75)	ND(0.72)	ND(0.79)	ND(0.76)	ND(0.71)	ND(0.71) [ND(0.72)]	ND(0.78)	ND(3.9)	ND(0.71)
2-Nitrophenol	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18)
3&4-Methylphenol	ND(0.38)	ND(0.35)	ND(0.35) J	ND(0.38) J	ND(0.35)	ND(0.39)	ND(0.37)	ND(0.36) J	ND(0.36) J [ND(0.37) J]	0.084 J	ND(2.0) J	ND(0.35)
3,3-Dichlorobenzidine	ND(0.76) J	ND(0.71) J	ND(0.69)	ND(0.75) J	ND(0.72)	ND(0.79)	ND(0.76)	ND(0.71)	ND(0.71) J [ND(0.72)]	ND(0.78) J	ND(3.9)	ND(0.71) J
3-Nitroaniline	ND(0.76)	ND(0.71)	ND(0.69)	ND(0.75)	ND(0.72)	ND(0.79)	ND(0.76)	ND(0.71)	ND(0.71) [ND(0.72)]	ND(0.78)	ND(3.9)	ND(0.71)
4,6-Dinitro-2-methylphenol	ND(0.76)	ND(0.71)	ND(0.69) J	ND(0.75)	ND(0.72)	ND(0.79)	ND(0.76)	ND(0.71)	ND(0.71) [ND(0.72)]	ND(0.78)	ND(3.9)	ND(0.71)
4-Bromophenyl phenyl ether	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18)
4-Chloro-3-methylphenol	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-05-05	RFI-05-05	RFI-05-06	RFI-05-06	RFI-05-07	RFI-05-07	RFI-05-07	RFI-05-08	RFI-05-08	RFI-05-09	RFI-05-09	RFI-05-10
Sample Depth(feet):	10-12	8-10	0-2	8-10	0-2	10-12	8-10	0.7-2.7	2.7-4.7	0.2-2.2	6.2-8.2	0-2
Date Collected:	01/23/01	01/23/01	07/25/01	07/25/01	01/26/01	01/24/01	01/24/01	06/27/01	06/27/01	06/27/01	06/27/01	01/26/01
4-Chloroaniline	ND(0.76) J	ND(0.71) J	ND(0.69)	ND(0.75)	ND(0.72) J	ND(0.79) J	ND(0.76) J	ND(0.71)	ND(0.71) [ND(0.72)]	ND(0.78)	ND(3.9)	ND(0.71)
4-Chlorophenyl phenyl ether	ND(0.19)	ND(0.18)	ND(0.69)	ND(0.75)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.71)	ND(0.71) [ND(0.72)]	ND(0.78)	ND(3.9)	ND(0.18)
4-Nitroaniline	ND(0.76)	ND(0.71)	ND(0.69)	ND(0.75)	ND(0.72)	ND(0.79)	ND(0.76)	ND(0.71)	ND(0.71) [ND(0.72)]	ND(0.78)	ND(3.9)	ND(0.71)
4-Nitrophenol	ND(0.76)	ND(0.71)	ND(0.69)	ND(0.75)	ND(0.72)	ND(0.79)	ND(0.76)	ND(0.71)	ND(0.71) [ND(0.72)]	ND(0.78)	ND(3.9)	ND(0.71)
Acenaphthene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	0.14 J	ND(0.99)	ND(0.18)
Acenaphthylene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	0.20 J	ND(0.18)
Acetophenone	NS	NS	ND(0.18)	ND(0.19)	NS	NS	NS	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	NS
Anthracene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	0.24 J	0.25 J	ND(0.18)
Atrazine	NS	NS	ND(0.18)	ND(0.19)	NS	NS	NS	0.051 J	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	NS
Benzaldehyde	NS	NS	ND(0.18)	ND(0.19)	NS	NS	NS	ND(0.18)	ND(0.18) [ND(0.18)]	0.089 J	ND(0.99) J	NS
Benzo(a)anthracene	0.26	ND(0.18)	ND(0.18)	0.11 J	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	0.055 J [0.048 J]	0.37 J	1.6 J	ND(0.18) J
Benzo(a)pyrene	0.28	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) J [0.056 J]	0.33 J	1.8 J	ND(0.18) J
Benzo(b)fluoranthene	0.24	ND(0.18)	0.12 J	0.42 J	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	0.070 J [0.062 J]	0.35 J	1.8 J	ND(0.18) J
Benzo(g,h,i)perylene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) J [0.044 J]	0.12 J	1.5 J	ND(0.18) J
Benzo(k)fluoranthene	0.24	ND(0.18)	ND(0.18)	0.28 J	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) J [ND(0.18) J]	0.36 J	1.9 J	ND(0.18) J
Biphenyl	NS	NS	ND(0.18)	ND(0.19)	NS	NS	NS	ND(0.18)	ND(0.18) [ND(0.18)]	0.18 J	ND(0.99)	NS
bis(2-Chloroethoxy)methane	ND(0.19) J	ND(0.18) J	ND(0.18)	ND(0.19)	ND(0.18) J	ND(0.20) J	ND(0.19) J	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18) J
bis(2-Chloroethyl)ether	ND(0.19)	ND(0.18)	ND(0.034)	ND(0.037)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.035)	ND(0.035) [ND(0.035)]	ND(0.039)	ND(0.19)	ND(0.18)
bis(2-Chloroisopropyl)ether	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18)
bis(2-Ethylhexyl)phthalate	ND(0.19)	ND(0.18)	0.11 J	ND(0.19) J	0.44	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) J [0.075 J]	ND(0.20) J	0.41 J	ND(0.18) J
Butyl benzylphthalate	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) J [ND(0.18)]	ND(0.20) J	ND(0.99)	ND(0.18) J
Caprolactam	NS	NS	ND(0.18)	ND(0.19) J	NS	NS	NS	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	NS
Carbazole	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	0.11 J	0.26 J	ND(0.18)
Chrysene	0.28	ND(0.18)	0.037 J	0.17 J	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	0.076 J [0.064 J]	0.42 J	2.1 J	ND(0.18) J
Di-n-butylphthalate	ND(0.19)	ND(0.18)	0.096 J	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18)
Di-n-octyl phthalate	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) J [ND(0.18) J]	ND(0.20) J	ND(0.99) J	ND(0.18) J
Dibenzo(a,h)anthracene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) J [ND(0.18) J]	ND(0.20) J	ND(0.99) J	ND(0.18) J
Dibenzofuran	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	0.16 J	ND(0.99)	ND(0.18)
Diethyl phthalate	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18)
Dimethyl phthalate	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18)
Fluoranthene	0.58	0.35	0.048 J	0.10 J	ND(0.18)	ND(0.20)	ND(0.19)	0.039 J	ND(0.18) [ND(0.18)]	0.87 J	3.2 J	ND(0.18)
Fluorene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	0.17 J	ND(0.99)	ND(0.18)
Hexachlorobenzene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18)
Hexachlorobutadiene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18)
Hexachlorocyclopentadiene	ND(0.19) J	ND(0.18) J	ND(0.18)	ND(0.19)	ND(0.18) J	ND(0.20) J	ND(0.19) J	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18) J
Hexachloroethane	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18)
Indeno(1,2,3-cd)pyrene	ND(0.19)	ND(0.18)	0.096 J	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) J [0.034 J]	0.11 J	1.0 J	ND(0.18) J
Isophorone	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18)
Methylphenols, Total	ND(0.38)	ND(0.35)	ND(0.35)	ND(0.38)	ND(0.35)	ND(0.39)	ND(0.37)	ND(0.36)	ND(0.36) [ND(0.37)]	0.12	ND(2.0)	ND(0.35)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-05-05	RFI-05-05	RFI-05-06	RFI-05-06	RFI-05-07	RFI-05-07	RFI-05-07	RFI-05-08	RFI-05-08	RFI-05-09	RFI-05-09	RFI-05-10
Sample Depth(feet):	10-12	8-10	0-2	8-10	0-2	10-12	8-10	0.7-2.7	2.7-4.7	0.2-2.2	6.2-8.2	0-2
Date Collected:	01/23/01	01/23/01	07/25/01	07/25/01	01/26/01	01/24/01	01/24/01	06/27/01	06/27/01	06/27/01	06/27/01	01/26/01
N-Nitrosodi-n-propylamine	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18)
N-Nitrosodiphenylamine	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18)
Naphthalene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	0.054 J	0.051 J [0.043 J]	0.47 J	ND(0.99)	ND(0.18)
Nitrobenzene	ND(0.19)	ND(0.18)	ND(0.069)	ND(0.075)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.071)	ND(0.071) [ND(0.072)]	ND(0.078)	ND(0.39)	ND(0.18)
Pentachlorophenol	ND(0.19)	ND(0.18)	ND(0.69)	ND(0.75)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.71)	ND(0.71) [ND(0.72)]	0.10 J	ND(3.9)	ND(0.18)
Phenanthrene	0.5	0.29	ND(0.18)	0.056 J	ND(0.18)	ND(0.20)	ND(0.19)	0.056 J	ND(0.18) [ND(0.18)]	1.2 J	2.9 J	ND(0.18)
Phenol	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.99)	ND(0.18)
Pyrene	0.53	0.29	0.049 J	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	0.053 J	0.11 J [0.071 J]	1.2 J	5.2 J	ND(0.18) J
Inorganics												
Antimony	NS	NS	ND(0.19) J	ND(0.21)	NS	NS	NS	ND(0.24) J	ND(0.23) J [ND(0.22) J]	ND(0.23) J	ND(0.26) J	NS
Arsenic	4.2 J	4.9 J	3.1	5.3	4.4	3.2	10(RDC)	5.2	5.4 [5.3]	6.1	4.7	4.8
Barium	9.8 J	9.3 J	19	43	21 J	15 J	48 J	35 J	73 J [73 J]	33 J	29 J	16 J
Beryllium	NS	NS	0.16	0.29	NS	NS	NS	0.27 J	0.55 J [0.63 J]	0.33 J	0.22 J	NS
Cadmium	0.13 J	0.16 J	0.11	0.28	0.1	0.078	0.22	0.19 J	0.20 J [0.22 J]	0.25 J	0.15 J	0.13
Chromium	5.5	5.8	6.9	14	7.5	5.7	11	13 J	45 J [45 J]	56 J	8.1 J	6.7
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	2.7	4.6	NS	NS	NS	3.7 J	3.2 J [3.3 J]	3.6 J	3.3 J	NS
Copper	NS	NS	6.5 J	26 J	NS	NS	NS	11 J	16 J [15 J]	40 J	10 J	NS
Cyanide (total)	NS	NS	ND(0.20)	ND(0.20)	NS	NS	NS	0.018 J	0.078 J [0.018 J]	0.12 J	0.050 J	NS
Lead	5.0 J	8.8 J	8.9 J	25 J	11 J	8.8 J	8.9 J	29 J	57 J [49 J]	28 J	29 J	6.4 J
Manganese	NS	NS	130 J	240 J	NS	NS	NS	250 J	1,200 J [1,500 J]	440 J	170 J	NS
Mercury	ND(0.022)	ND(0.021)	ND(0.072)	ND(0.075)	ND(0.021)	ND(0.024)	ND(0.022)	ND(0.074)	0.033 J [ND(0.074)]	ND(0.082)	ND(0.082)	ND(0.021)
Nickel	NS	NS	7	15	NS	NS	NS	11 J	11 J [11 J]	28 J	8.8 J	NS
Selenium	0.097	ND(0.075)	ND(0.22) J	ND(0.14)	ND(0.077)	0.19	0.16	0.11	ND(0.092) [0.11]	0.2	ND(0.10)	0.11
Silver	ND(0.24)	ND(0.19)	0.014 J	0.069 J	ND(0.19)	ND(0.25)	ND(0.23)	0.071 J	0.056 J [0.065 J]	0.079 J	ND(0.26)	ND(0.17)
Thallium	NS	NS	0.076 J	0.12 J	NS	NS	NS	0.12 J	0.13 J [0.12 J]	0.13 J	0.084 J	NS
Vanadium	NS	NS	11	17	NS	NS	NS	12 J	14 J [14 J]	12 J	14 J	NS
Zinc	NS	NS	27	48	NS	NS	NS	43 J	61 J [46 J]	47 J	45 J	NS
PCBs												
Aroclor-1016	ND(0.038)	ND(0.035)	ND(0.036)	ND(0.039)	NS	NS	NS	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.041)	ND(0.041)	ND(0.035)
Aroclor-1221	ND(0.038)	ND(0.035)	ND(0.036)	ND(0.039)	NS	NS	NS	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.041)	ND(0.041)	ND(0.035)
Aroclor-1232	ND(0.038)	ND(0.035)	ND(0.036)	ND(0.039)	NS	NS	NS	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.041)	ND(0.041)	ND(0.035)
Aroclor-1242	ND(0.038)	ND(0.035)	ND(0.036)	ND(0.039)	NS	NS	NS	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.041)	ND(0.041)	ND(0.035)
Aroclor-1248	ND(0.038)	ND(0.035)	ND(0.036)	ND(0.039)	NS	NS	NS	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.041)	ND(0.041)	ND(0.035)
Aroclor-1254	ND(0.038)	ND(0.035)	ND(0.036)	0.11	NS	NS	NS	0.11	0.082 J [0.15 J]	0.065	ND(0.041)	ND(0.035)
Aroclor-1260	ND(0.038)	ND(0.035)	ND(0.036)	ND(0.039)	NS	NS	NS	ND(0.037)	0.021 J [0.029 J]	ND(0.041)	ND(0.041)	ND(0.035)
Total PCBs	ND(0.038)	ND(0.035)	ND(0.036)	0.11	NS	NS	NS	0.11	0.1 [0.18]	0.065	ND(0.041)	ND(0.035)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-05-10	RFI-05-10	RFI-05-11	RFI-05-11	RFI-05-11	RFI-05-12	RFI-05-12	RFI-05-12	RFI-05-13	RFI-05-13	RFI-05-13	RFI-05-14
Sample Depth(feet):	10-12	8-10	0-2	10-12	8-10	0-2	10-12	8-10	0-2	10-12	8-10	0-2
Date Collected:	01/23/01	01/23/01	01/26/01	01/23/01	01/23/01	01/26/01	01/24/01	01/24/01	01/26/01	01/22/01	01/22/01	01/26/01
Volatiles												
1,1,1-Trichloroethane	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
1,1,2,2-Tetrachloroethane	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
1,1,2-Trichloroethane	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
1,1-Dichloroethane	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
1,1-Dichloroethene	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloroethane	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
1,2-Dichloroethene (total)	ND(0.083) [ND(0.090)]	ND(0.070)	ND(0.082)	ND(0.084)	ND(0.087)	ND(0.072)	ND(0.085)	ND(0.092)	ND(0.081)	ND(0.085)	ND(0.084)	ND(0.078)
1,2-Dichloropropane	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	ND(0.30) [ND(0.32)]	ND(0.25)	ND(0.29)	ND(0.30)	ND(0.31)	ND(0.26)	ND(0.30)	ND(0.33)	ND(0.29)	ND(0.30)	ND(0.30)	ND(0.28)
2-Hexanone	ND(0.18) [ND(0.19)]	ND(0.15)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.15)	ND(0.18)	ND(0.20)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)
4-Methyl-2-pentanone	ND(0.18) [ND(0.19)]	ND(0.15)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.15)	ND(0.18)	ND(0.20)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)
Acetone	ND(0.30) [ND(0.32)]	ND(0.25)	0.4	ND(0.30)	ND(0.31)	0.33	ND(0.30)	ND(0.33)	0.38	ND(0.30)	ND(0.30)	0.39
Benzene	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
Benzene, isopropyl	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
Bromoform	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
Bromomethane	ND(0.18) J [ND(0.19) J]	ND(0.15) J	ND(0.18) J	ND(0.18) J	ND(0.19) J	ND(0.15) J	ND(0.18) J	ND(0.20) J	ND(0.17) J	ND(0.18) J	ND(0.18) J	ND(0.17) J
Carbon disulfide	ND(0.18) [ND(0.19)]	ND(0.15)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.15)	ND(0.18)	ND(0.20)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)
Carbon tetrachloride	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
Chlorobenzene	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
Chloroethane	ND(0.18) [ND(0.19)]	ND(0.15)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.15)	ND(0.18)	ND(0.20)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)
Chloroform	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
Chloromethane	ND(0.18) [ND(0.19)]	ND(0.15)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.15)	ND(0.18)	ND(0.20)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)
cis-1,2-Dichloroethene	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	0.2
cis-1,3-Dichloropropene	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
Cyclohexane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
Dichlorodifluoromethane (CFC-12)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
m&p-Xylene	ND(0.083) [ND(0.090)]	ND(0.070)	ND(0.082)	ND(0.084)	ND(0.087)	ND(0.072)	ND(0.085)	ND(0.092)	ND(0.081)	ND(0.085)	ND(0.084)	ND(0.078)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-05-10	RFI-05-10	RFI-05-11	RFI-05-11	RFI-05-11	RFI-05-12	RFI-05-12	RFI-05-12	RFI-05-13	RFI-05-13	RFI-05-13	RFI-05-14
Sample Depth(feet):	10-12	8-10	0-2	10-12	8-10	0-2	10-12	8-10	0-2	10-12	8-10	0-2
Date Collected:	01/23/01	01/23/01	01/26/01	01/23/01	01/23/01	01/26/01	01/24/01	01/24/01	01/26/01	01/22/01	01/22/01	01/26/01
Methyl acetate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methyl Tert Butyl Ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylcyclohexane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	ND(0.18) [ND(0.19)]	ND(0.15)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.15)	ND(0.18)	ND(0.20)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)
o-Xylene	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
Styrene	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
Tetrachloroethene	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
Toluene	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
trans-1,2-Dichloroethene	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
trans-1,3-Dichloropropene	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
Trichloroethene	ND(0.042) [ND(0.045)]	ND(0.035)	0.094	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	1.9
Trichlorofluoromethane (CFC-11)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trifluorotrichloroethane (Freon 113)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vinyl chloride	ND(0.042) [ND(0.045)]	ND(0.035)	ND(0.041)	ND(0.042)	ND(0.043)	ND(0.036)	ND(0.042)	ND(0.046)	ND(0.041)	ND(0.042)	ND(0.042)	ND(0.039)
Xylenes (total)	ND(0.083) [ND(0.090)]	ND(0.070)	ND(0.082)	ND(0.084)	ND(0.087)	ND(0.072)	ND(0.085)	ND(0.092)	ND(0.081)	ND(0.085)	ND(0.084)	ND(0.078)
Semivolatiles												
1,2,4-Trichlorobenzene	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
1,2-Dichlorobenzene	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
1,3-Dichlorobenzene	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
1,4-Dichlorobenzene	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
2,4,5-Trichlorophenol	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
2,4,6-Trichlorophenol	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
2,4-Dichlorophenol	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
2,4-Dimethylphenol	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
2,4-Dinitrophenol	ND(0.74) [ND(0.75)]	ND(0.71)	ND(0.71)	ND(3.5)	ND(0.70)	ND(0.74)	ND(0.75)	ND(0.70)	ND(0.71)	ND(0.79)	ND(0.73)	ND(0.70)
2,4-Dinitrotoluene	ND(0.19) J [ND(0.19)]	ND(0.18) J	ND(0.18)	ND(0.89) J	ND(0.18) J	ND(0.19)	ND(0.19) J	ND(0.18) J	ND(0.18) J	ND(0.20) J	ND(0.19) J	ND(0.18)
2,6-Dinitrotoluene	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18) J
2-Chloronaphthalene	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
2-Chlorophenol	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
2-Methyl naphthalene	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
2-Methylphenol	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
2-Nitroaniline	ND(0.74) [ND(0.75)]	ND(0.71)	ND(0.71)	ND(3.5)	ND(0.70)	ND(0.74)	ND(0.75)	ND(0.70)	ND(0.71)	ND(0.79)	ND(0.73)	ND(0.70)
2-Nitrophenol	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
3&4-Methylphenol	ND(0.36) [ND(0.37)]	ND(0.35)	ND(0.35)	ND(1.7)	ND(0.34)	ND(0.36)	ND(0.37)	ND(0.35)	ND(0.35)	ND(0.39)	ND(0.36)	ND(0.35)
3,3-Dichlorobenzidine	ND(0.74) J [ND(0.75) J]	ND(0.71) J	ND(0.71)	ND(3.5) J	ND(0.70) J	ND(0.74) J	ND(0.75)	ND(0.70)	ND(0.71)	ND(0.79) J	ND(0.73) J	ND(0.70)
3-Nitroaniline	ND(0.74) [ND(0.75) J]	ND(0.71)	ND(0.71)	ND(3.5)	ND(0.70)	ND(0.74)	ND(0.75)	ND(0.70)	ND(0.71)	ND(0.79)	ND(0.73)	ND(0.70)
4,6-Dinitro-2-methylphenol	ND(0.74) [ND(0.75)]	ND(0.71)	ND(0.71)	ND(3.5)	ND(0.70)	ND(0.74)	ND(0.75)	ND(0.70)	ND(0.71)	ND(0.79)	ND(0.73)	ND(0.70)
4-Bromophenyl phenyl ether	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18) J	ND(0.20)	ND(0.19)	ND(0.18) J
4-Chloro-3-methylphenol	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-05-10	RFI-05-10	RFI-05-11	RFI-05-11	RFI-05-11	RFI-05-12	RFI-05-12	RFI-05-12	RFI-05-13	RFI-05-13	RFI-05-13	RFI-05-14
Sample Depth(feet):	10-12	8-10	0-2	10-12	8-10	0-2	10-12	8-10	0-2	10-12	8-10	0-2
Date Collected:	01/23/01	01/23/01	01/26/01	01/23/01	01/23/01	01/26/01	01/24/01	01/24/01	01/26/01	01/22/01	01/22/01	01/26/01
4-Chloroaniline	ND(0.74) J [ND(0.75) J]	ND(0.71) J	ND(0.71) J	ND(3.5) J	ND(0.70) J	ND(0.74) J	ND(0.75)	ND(0.70) J	ND(0.71)	ND(0.79) J	ND(0.73) J	ND(0.70)
4-Chlorophenyl phenyl ether	ND(0.19) [ND(0.19) J]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
4-Nitroaniline	ND(0.74) [ND(0.75)]	ND(0.71)	ND(0.71)	ND(3.5)	ND(0.70)	ND(0.74)	ND(0.75)	ND(0.70)	ND(0.71)	ND(0.79)	ND(0.73)	ND(0.70)
4-Nitrophenol	ND(0.74) [ND(0.75)]	ND(0.71)	ND(0.71)	ND(3.5)	ND(0.70)	ND(0.74)	ND(0.75)	ND(0.70)	ND(0.71)	ND(0.79)	ND(0.73)	ND(0.70)
Acenaphthene	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Acenaphthylene	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Acetophenone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Atrazine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19) J	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Benzo(a)pyrene	ND(0.19) [ND(0.19) J]	ND(0.18) J	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19) J	ND(0.19)	ND(0.18)	ND(0.18) J	ND(0.20)	ND(0.19)	ND(0.18) J
Benzo(b)fluoranthene	ND(0.19) [ND(0.19) J]	ND(0.18) J	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19) J	ND(0.19)	ND(0.18)	ND(0.18) J	ND(0.20)	ND(0.19)	ND(0.18) J
Benzo(g,h,i)perylene	ND(0.19) [ND(0.19) J]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19) J	ND(0.19)	ND(0.18)	ND(0.18) J	ND(0.20)	ND(0.19)	ND(0.18) J
Benzo(k)fluoranthene	ND(0.19) [ND(0.19) J]	ND(0.18) J	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19) J	ND(0.19)	ND(0.18)	ND(0.18) J	ND(0.20)	ND(0.19)	ND(0.18) J
Biphenyl	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Chloroethoxy)methane	ND(0.19) J [ND(0.19) J]	ND(0.18) J	ND(0.18) J	ND(0.89) J	ND(0.18) J	ND(0.19) J	ND(0.19) J	ND(0.18) J	ND(0.18) J	ND(0.20) J	ND(0.19) J	ND(0.18) J
bis(2-Chloroethyl)ether	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
bis(2-Chloroisopropyl)ether	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
bis(2-Ethylhexyl)phthalate	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	0.53 J	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Butyl benzylphthalate	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19) J	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Caprolactam	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Chrysene	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19) J	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Di-n-butylphthalate	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Di-n-octyl phthalate	ND(0.19) [ND(0.19) J]	ND(0.18) J	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19) J	ND(0.19)	ND(0.18)	ND(0.18) J	ND(0.20)	ND(0.19)	ND(0.18) J
Dibenzo(a,h)anthracene	ND(0.19) [ND(0.19) J]	ND(0.18) J	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19) J	ND(0.19)	ND(0.18)	ND(0.18) J	ND(0.20)	ND(0.19)	ND(0.18) J
Dibenzofuran	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Diethyl phthalate	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Dimethyl phthalate	ND(0.19) [ND(0.19) J]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Fluoranthene	ND(0.19) [ND(0.19)]	ND(0.18)	0.21	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Fluorene	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Hexachlorobenzene	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Hexachlorobutadiene	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18) J
Hexachlorocyclopentadiene	ND(0.19) J [ND(0.19) J]	ND(0.18) J	ND(0.18) J	ND(0.89) J	ND(0.18) J	ND(0.19) J	ND(0.19) J	ND(0.18) J	ND(0.18)	ND(0.20) J	ND(0.19) J	ND(0.18)
Hexachloroethane	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Indeno(1,2,3-cd)pyrene	ND(0.19) [ND(0.19) J]	ND(0.18) J	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19) J	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18) J
Isophorone	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Methylphenols, Total	ND(0.36) [ND(0.37)]	ND(0.35)	ND(0.35)	ND(1.7)	ND(0.34)	ND(0.36)	ND(0.37)	ND(0.35)	ND(0.35)	ND(0.39)	ND(0.36)	ND(0.35)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-05-10	RFI-05-10	RFI-05-11	RFI-05-11	RFI-05-11	RFI-05-12	RFI-05-12	RFI-05-12	RFI-05-13	RFI-05-13	RFI-05-13	RFI-05-14
Sample Depth(feet):	10-12	8-10	0-2	10-12	8-10	0-2	10-12	8-10	0-2	10-12	8-10	0-2
Date Collected:	01/23/01	01/23/01	01/26/01	01/23/01	01/23/01	01/26/01	01/24/01	01/24/01	01/26/01	01/22/01	01/22/01	01/26/01
N-Nitrosodi-n-propylamine	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
N-Nitrosodiphenylamine	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Naphthalene	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Nitrobenzene	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Pentachlorophenol	ND(0.19) [ND(0.19)]	0.28 J	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Phenanthrene	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	5.6	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Phenol	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.89)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Pyrene	ND(0.19) [ND(0.19)]	ND(0.18)	0.23	ND(0.89)	ND(0.18)	ND(0.19) J	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)
Inorganics												
Antimony	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	4.2 J [5.0 J]	5.7 J	4.5	4.4 J	4.7 J	6.3	4.4	5.1	4.7	7.4 J	4.9 J	4.7
Barium	9.7 J [11 J]	13 J	13 J	13 J	14 J	72 J	11 J	10 J	17 J	22 J	23 J	17 J
Beryllium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	0.11 J [0.11 J]	0.11 J	0.13	0.24 J	0.16 J	0.3	0.095	0.084	0.12	0.14 J	0.13 J	0.13
Chromium	5.2 [6.2]	6.4	5.7	8.4	6.3	9.6	5.4	5.4	7	8.8	12	9.1
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	4.1 J [5.2 J]	6.6 J	18 J	6.3 J	5.6 J	44 J	6.2 J	5.7 J	8.5 J	7.3 J	11 J	6.8 J
Manganese	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	0.03 [ND(0.022)]	ND(0.022)	ND(0.020)	ND(0.021)	ND(0.021)	0.066	ND(0.022)	ND(0.021)	ND(0.021)	0.038	ND(0.022)	ND(0.021)
Nickel	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	0.13 [0.16]	ND(0.078)	0.084	0.15	ND(0.091)	0.3	0.12	0.088	0.098	ND(0.095)	0.13	0.13
Silver	ND(0.25) [ND(0.24)]	ND(0.20)	0.34	ND(0.21)	ND(0.23)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.18)	ND(0.24)	ND(0.20)	ND(0.19)
Thallium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs												
Aroclor-1016	ND(0.037) [ND(0.037)]	ND(0.036)	ND(0.035)	ND(0.88)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.035)	ND(0.035)	ND(0.039)	ND(0.036)	ND(0.035)
Aroclor-1221	ND(0.037) [ND(0.037)]	ND(0.036)	ND(0.035)	ND(0.88)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.035)	ND(0.035)	ND(0.039)	ND(0.036)	ND(0.035)
Aroclor-1232	ND(0.037) [ND(0.037)]	ND(0.036)	ND(0.035)	ND(0.88)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.035)	ND(0.035)	ND(0.039)	ND(0.036)	ND(0.035)
Aroclor-1242	ND(0.037) [ND(0.037)]	ND(0.036)	ND(0.035)	ND(0.88)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.035)	ND(0.035)	ND(0.039)	ND(0.036)	ND(0.035)
Aroclor-1248	ND(0.037) [ND(0.037)]	ND(0.036)	ND(0.035)	ND(0.88)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.035)	ND(0.035)	ND(0.039)	ND(0.036)	ND(0.035)
Aroclor-1254	ND(0.037) [ND(0.037)]	ND(0.036)	ND(0.035)	ND(0.88)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.035)	ND(0.035)	ND(0.039)	ND(0.036)	ND(0.035)
Aroclor-1260	ND(0.037) [ND(0.037)]	ND(0.036)	ND(0.035)	ND(0.88)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.035)	ND(0.035)	ND(0.039)	ND(0.036)	ND(0.035)
Total PCBs	ND(0.037) [ND(0.037)]	ND(0.036)	ND(0.035)	ND(0.88)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.035)	ND(0.035)	ND(0.039)	ND(0.036)	ND(0.035)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-05-14	RFI-05-14	RFI-05-15	RFI-05-15	RFI-05-16	RFI-05-16	RFI-05-16	RFI-05-17	RFI-05-17	RFI-05-17	RFI-05-18
Sample Depth(feet):	10-12	8-10	0.9-2.9	6.9-8.9	0.8-2.8	10.8-12.8	8.8-10.8	0.9-2.9	10.9-12.9	8.9-10.9	0.9-2.9
Date Collected:	01/22/01	01/22/01	09/08/01	09/08/01	09/08/01	09/08/01	09/08/01	09/08/01	09/08/01	09/08/01	09/08/01
Volatiles											
1,1,1-Trichloroethane	ND(0.041)	ND(0.041)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.044)	ND(0.040)	ND(0.042)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.038)	ND(0.036)
1,1,2,2-Tetrachloroethane	ND(0.041)	ND(0.041)	ND(0.072) [ND(0.073)]	ND(0.080)	ND(0.087)	ND(0.081)	ND(0.083)	ND(0.073)	ND(0.072) [ND(0.074)]	ND(0.076)	ND(0.072)
1,1,2-Trichloroethane	ND(0.041)	ND(0.041)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.044)	ND(0.040)	ND(0.042)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.038)	ND(0.036)
1,1-Dichloroethane	ND(0.041)	ND(0.041)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.044)	ND(0.040)	ND(0.042)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.038)	ND(0.036)
1,1-Dichloroethene	ND(0.041)	ND(0.041)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.044)	ND(0.040)	ND(0.042)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.038)	ND(0.036)
1,2,4-Trichlorobenzene	NS	NS	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.15) [ND(0.16)]	ND(0.16)	ND(0.15)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.15) [ND(0.16)]	ND(0.16)	ND(0.15)
1,2-Dibromoethane (EDB)	NS	NS	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.15) [ND(0.16)]	ND(0.16)	ND(0.15)
1,2-Dichlorobenzene	NS	NS	ND(0.072) [ND(0.073)]	ND(0.080)	ND(0.087)	ND(0.081)	ND(0.083)	ND(0.073)	ND(0.072) [ND(0.074)]	ND(0.076)	ND(0.072)
1,2-Dichloroethane	ND(0.041)	ND(0.041)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.044)	ND(0.040)	ND(0.042)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.038)	ND(0.036)
1,2-Dichloroethene (total)	ND(0.081)	ND(0.082)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.041)	ND(0.041)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.044)	ND(0.040)	ND(0.042)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.038)	ND(0.036)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	ND(0.072) [ND(0.073)]	ND(0.080)	ND(0.087)	ND(0.081)	ND(0.083)	ND(0.073)	ND(0.072) [ND(0.074)]	ND(0.076)	ND(0.072)
1,4-Dichlorobenzene	NS	NS	ND(0.072) [ND(0.073)]	ND(0.080)	ND(0.087)	ND(0.081)	ND(0.083)	ND(0.073)	ND(0.072) [ND(0.074)]	ND(0.076)	ND(0.072)
2-Butanone	ND(0.29)	ND(0.29)	0.032 J [0.037 J]	0.037 J	0.068 J	0.073 J	0.038 J	0.038 J	0.027 J [0.031 J]	0.030 J	0.048 J
2-Hexanone	ND(0.17)	ND(0.18)	ND(0.26) [ND(0.26)]	ND(0.28)	ND(0.31)	ND(0.29)	ND(0.30)	ND(0.26)	ND(0.26) [ND(0.26)]	ND(0.27)	ND(0.26)
4-Methyl-2-pentanone	ND(0.17)	ND(0.18)	ND(0.26) [ND(0.26)]	ND(0.28)	ND(0.31)	0.063 J	ND(0.30)	ND(0.26)	ND(0.26) [ND(0.26)]	ND(0.27)	ND(0.26)
Acetone	ND(0.29)	ND(0.29)	ND(0.26) [ND(0.26)]	ND(0.28)	ND(0.31)	ND(0.29)	ND(0.30)	ND(0.26)	ND(0.26) [ND(0.26)]	ND(0.27)	ND(0.26)
Benzene	ND(0.041)	ND(0.041)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.044)	ND(0.040)	ND(0.042)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.038)	ND(0.036)
Benzene, isopropyl	NS	NS	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.15) [ND(0.16)]	ND(0.16)	ND(0.15)
Bromodichloromethane	ND(0.041)	ND(0.041)	ND(0.072) [ND(0.073)]	ND(0.080)	ND(0.087)	ND(0.081)	ND(0.083)	ND(0.073)	ND(0.072) [ND(0.074)]	ND(0.076)	ND(0.072)
Bromoform	ND(0.041)	ND(0.041)	ND(0.072) [ND(0.073)]	ND(0.080)	ND(0.087)	ND(0.081)	ND(0.083)	ND(0.073)	ND(0.072) [ND(0.074)]	ND(0.076)	ND(0.072)
Bromomethane	ND(0.17) J	ND(0.18) J	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.15) [ND(0.16)]	ND(0.16)	ND(0.15)
Carbon disulfide	ND(0.17)	ND(0.18)	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.15) [ND(0.16)]	ND(0.16)	ND(0.15)
Carbon tetrachloride	ND(0.041)	ND(0.041)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.044)	ND(0.040)	ND(0.042)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.038)	ND(0.036)
Chlorobenzene	ND(0.041)	ND(0.041)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.044)	ND(0.040)	ND(0.042)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.038)	ND(0.036)
Chloroethane	ND(0.17)	ND(0.18)	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.15) [ND(0.16)]	ND(0.16)	ND(0.15)
Chloroform	ND(0.041)	ND(0.041)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.044)	ND(0.040)	ND(0.042)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.038)	ND(0.036)
Chloromethane	ND(0.17)	ND(0.18)	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.15) [ND(0.16)]	ND(0.16)	ND(0.15)
cis-1,2-Dichloroethene	ND(0.041)	ND(0.041)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.044)	ND(0.040)	ND(0.042)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.038)	ND(0.036)
cis-1,3-Dichloropropene	ND(0.041)	ND(0.041)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.044)	ND(0.040)	ND(0.042)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.038)	ND(0.036)
Cyclohexane	NS	NS	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.15) [ND(0.16)]	ND(0.16)	ND(0.15)
Dibromochloromethane	ND(0.041)	ND(0.041)	ND(0.072) [ND(0.073)]	ND(0.080)	ND(0.087)	ND(0.081)	ND(0.083)	ND(0.073)	ND(0.072) [ND(0.074)]	ND(0.076)	ND(0.072)
Dichlorodifluoromethane (CFC-12)	NS	NS	ND(0.072) [ND(0.073)]	ND(0.080)	ND(0.087)	ND(0.081)	ND(0.083)	ND(0.073)	ND(0.072) [ND(0.074)]	ND(0.076)	ND(0.072)
Ethylbenzene	ND(0.041)	ND(0.041)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.044)	ND(0.040)	ND(0.042)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.038)	ND(0.036)
m&p-Xylene	ND(0.081)	ND(0.082)	ND(0.072) [ND(0.073)]	ND(0.080)	ND(0.087)	ND(0.081)	ND(0.083)	ND(0.073)	ND(0.072) [ND(0.074)]	ND(0.076)	ND(0.072)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-05-14	RFI-05-14	RFI-05-15	RFI-05-15	RFI-05-16	RFI-05-16	RFI-05-16	RFI-05-17	RFI-05-17	RFI-05-17	RFI-05-18
Sample Depth(feet):	10-12	8-10	0.9-2.9	6.9-8.9	0.8-2.8	10.8-12.8	8.8-10.8	0.9-2.9	10.9-12.9	8.9-10.9	0.9-2.9
Date Collected:	01/22/01	01/22/01	09/08/01	09/08/01	09/08/01	09/08/01	09/08/01	09/08/01	09/08/01	09/08/01	09/08/01
Methyl acetate	NS	NS	ND(0.15) [ND(0.16)]	0.044 J	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.15) [ND(0.16)]	ND(0.16)	ND(0.15)
Methyl Tert Butyl Ether	NS	NS	ND(0.26) [ND(0.26)]	ND(0.28)	ND(0.31)	ND(0.29)	ND(0.30)	ND(0.26)	ND(0.26) [ND(0.26)]	ND(0.27)	ND(0.26)
Methylcyclohexane	NS	NS	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.15) [ND(0.16)]	ND(0.16)	ND(0.15)
Methylene chloride	ND(0.17)	ND(0.18)	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.15) [ND(0.16)]	ND(0.16)	ND(0.15)
o-Xylene	ND(0.041)	ND(0.041)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.044)	ND(0.040)	ND(0.042)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.038)	ND(0.036)
Styrene	ND(0.041)	ND(0.041)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.044)	ND(0.040)	ND(0.042)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.038)	ND(0.036)
Tetrachloroethene	ND(0.041)	ND(0.041)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.044)	ND(0.040)	ND(0.042)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.038)	ND(0.036)
Toluene	ND(0.041)	ND(0.041)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.044)	ND(0.040)	ND(0.042)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.038)	ND(0.036)
trans-1,2-Dichloroethene	ND(0.041)	ND(0.041)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.044)	ND(0.040)	ND(0.042)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.038)	ND(0.036)
trans-1,3-Dichloropropene	ND(0.041)	ND(0.041)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.044)	ND(0.040)	ND(0.042)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.038)	ND(0.036)
Trichloroethene	ND(0.041)	0.16	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.044)	ND(0.040)	ND(0.042)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.038)	ND(0.036)
Trichlorofluoromethane (CFC-11)	NS	NS	ND(0.072) [ND(0.073)]	ND(0.080)	ND(0.087)	ND(0.081)	ND(0.083)	ND(0.073)	ND(0.072) [ND(0.074)]	ND(0.076)	ND(0.072)
Trifluorotrichloroethane (Freon 113)	NS	NS	ND(0.15) [ND(0.16)]	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.15) [ND(0.16)]	ND(0.16)	ND(0.15)
Vinyl chloride	ND(0.041)	ND(0.041)	ND(0.036) [ND(0.036)]	ND(0.040)	ND(0.044)	ND(0.040)	ND(0.042)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.038)	ND(0.036)
Xylenes (total)	ND(0.081)	ND(0.082)	ND(0.072) [ND(0.073)]	ND(0.080)	ND(0.087)	ND(0.081)	ND(0.083)	ND(0.073)	ND(0.072) [ND(0.074)]	ND(0.076)	ND(0.072)
Semivolatiles											
1,2,4-Trichlorobenzene	ND(0.20)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	ND(0.20)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.20)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	ND(0.20)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.20)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
2,4,6-Trichlorophenol	ND(0.20)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
2,4-Dichlorophenol	ND(0.20)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
2,4-Dimethylphenol	ND(0.20)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
2,4-Dinitrophenol	ND(0.79)	ND(0.73)	ND(0.69) [ND(0.70)]	ND(0.75)	ND(0.84)	ND(0.77)	ND(0.79)	ND(0.70)	ND(0.70) [ND(0.70)]	ND(0.73)	ND(0.69)
2,4-Dinitrotoluene	ND(0.20)	ND(0.19) J	ND(0.69) [ND(0.70)]	ND(0.75)	ND(0.84)	ND(0.77)	ND(0.79)	ND(0.70)	ND(0.70) [ND(0.70)]	ND(0.73)	ND(0.69)
2,6-Dinitrotoluene	ND(0.20)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
2-Chloronaphthalene	ND(0.20)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
2-Chlorophenol	ND(0.20)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
2-Methyl naphthalene	0.38 J	ND(0.19)	ND(0.18) [ND(0.18)]	0.12 J	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
2-Methylphenol	ND(0.20)	ND(0.19)	ND(0.18) J [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
2-Nitroaniline	ND(0.79)	ND(0.73)	ND(0.69) [ND(0.70)]	ND(0.75)	ND(0.84)	ND(0.77)	ND(0.79)	ND(0.70)	ND(0.70) [ND(0.70)]	ND(0.73)	ND(0.69)
2-Nitrophenol	ND(0.20)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
3&4-Methylphenol	ND(0.39)	ND(0.36)	ND(0.35) [ND(0.35) J]	ND(0.38) J	ND(0.43) J	ND(0.39) J	ND(0.40) J	ND(0.36) J	ND(0.36) J [ND(0.36) J]	ND(0.37) J	ND(0.35) J
3,3-Dichlorobenzidine	ND(0.79) J	ND(0.73) J	ND(0.69) [ND(0.70)]	ND(0.75) J	ND(0.84)	ND(0.77)	ND(0.79)	ND(0.70) J	ND(0.70) [ND(0.70)]	ND(0.73)	ND(0.69)
3-Nitroaniline	ND(0.79) J	ND(0.73)	ND(0.69) [ND(0.70)]	ND(0.75)	ND(0.84)	ND(0.77)	ND(0.79)	ND(0.70)	ND(0.70) [ND(0.70)]	ND(0.73)	ND(0.69)
4,6-Dinitro-2-methylphenol	ND(0.79) J	ND(0.73)	ND(0.69) [ND(0.70)]	ND(0.75)	ND(0.84)	ND(0.77)	ND(0.79)	ND(0.70)	ND(0.70) [ND(0.70)]	ND(0.73)	ND(0.69)
4-Bromophenyl phenyl ether	ND(0.20) J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
4-Chloro-3-methylphenol	ND(0.20)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-05-14	RFI-05-14	RFI-05-15	RFI-05-15	RFI-05-16	RFI-05-16	RFI-05-16	RFI-05-17	RFI-05-17	RFI-05-17	RFI-05-17	RFI-05-18
Sample Depth(feet):	10-12	8-10	0.9-2.9	6.9-8.9	0.8-2.8	10.8-12.8	8.8-10.8	0.9-2.9	10.9-12.9	8.9-10.9	0.9-2.9
Date Collected:	01/22/01	01/22/01	09/08/01	09/08/01	09/08/01	09/08/01	09/08/01	09/08/01	09/08/01	09/08/01	09/08/01
4-Chloroaniline	ND(0.79) J	ND(0.73) J	ND(0.69) [ND(0.70)]	ND(0.75)	ND(0.84)	ND(0.77)	ND(0.79)	ND(0.70)	ND(0.70) [ND(0.70)]	ND(0.73)	ND(0.69)
4-Chlorophenyl phenyl ether	ND(0.20) J	ND(0.19)	ND(0.69) [ND(0.70)]	ND(0.75)	ND(0.84)	ND(0.77)	ND(0.79)	ND(0.70)	ND(0.70) [ND(0.70)]	ND(0.73)	ND(0.69)
4-Nitroaniline	ND(0.79)	ND(0.73)	ND(0.69) [ND(0.70)]	ND(0.75)	ND(0.84)	ND(0.77)	ND(0.79)	ND(0.70)	ND(0.70) [ND(0.70)]	ND(0.73)	ND(0.69)
4-Nitrophenol	ND(0.79)	ND(0.73)	ND(0.69) [ND(0.70)]	ND(0.75)	ND(0.84)	ND(0.77)	ND(0.79)	ND(0.70) J	ND(0.70) [ND(0.70)]	ND(0.73)	ND(0.69)
Acenaphthene	ND(0.20)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	0.052 J
Acenaphthylene	ND(0.20)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Acetophenone	NS	NS	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Anthracene	ND(0.20) J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Atrazine	NS	NS	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Benzaldehyde	NS	NS	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Benzo(a)anthracene	ND(0.20) J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.21)	ND(0.20)	ND(0.20)	0.087 J	ND(0.18) [ND(0.18)]	ND(0.18)	0.038 J
Benzo(a)pyrene	ND(0.20) J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.21)	ND(0.20)	ND(0.20)	0.12 J	ND(0.18) [ND(0.18)]	ND(0.18)	0.040 J
Benzo(b)fluoranthene	ND(0.20) J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.21)	ND(0.20)	ND(0.20)	0.15 J	ND(0.18) [ND(0.18)]	ND(0.18)	0.048 J
Benzo(g,h,i)perylene	ND(0.20) J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.21)	ND(0.20)	ND(0.20)	0.093 J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Benzo(k)fluoranthene	ND(0.20) J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.21)	ND(0.20)	ND(0.20)	0.10 J	ND(0.18) [ND(0.18)]	ND(0.18)	0.048 J
Biphenyl	NS	NS	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
bis(2-Chloroethoxy)methane	ND(0.20) J	ND(0.19) J	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
bis(2-Chloroethyl)ether	ND(0.20)	ND(0.19)	ND(0.034) [ND(0.034)]	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.039)	ND(0.035)	ND(0.034) [ND(0.035)]	ND(0.036)	ND(0.034)
bis(2-Chloroisopropyl)ether	ND(0.20)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
bis(2-Ethylhexyl)phthalate	ND(0.20) J	ND(0.19)	ND(0.18) [ND(0.18)]	0.18 J	0.16 J	ND(0.20)	0.15 J	0.15 J	ND(0.18) [ND(0.18)]	ND(0.18)	0.71
Butyl benzylphthalate	ND(0.20) J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Caprolactam	NS	NS	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Carbazole	ND(0.20) J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Chrysene	ND(0.20) J	ND(0.19)	ND(0.18) [ND(0.18)]	0.22 J	ND(0.21)	ND(0.20)	ND(0.20)	0.13 J	ND(0.18) [ND(0.18)]	ND(0.18)	0.043 J
Di-n-butylphthalate	ND(0.20) J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Di-n-octyl phthalate	ND(0.20) J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Dibenzo(a,h)anthracene	ND(0.20) J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Dibenzofuran	ND(0.20)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	0.094 J
Diethyl phthalate	ND(0.20)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Dimethyl phthalate	ND(0.20) J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Fluoranthene	ND(0.20) J	ND(0.19)	ND(0.18) [ND(0.18)]	0.098 J	ND(0.21)	ND(0.20)	ND(0.20)	0.072 J	ND(0.18) [ND(0.18)]	ND(0.18)	0.066 J
Fluorene	ND(0.20)	ND(0.19)	ND(0.18) [ND(0.18)]	0.15 J	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	0.067 J
Hexachlorobenzene	ND(0.20) J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Hexachlorobutadiene	ND(0.20)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Hexachlorocyclopentadiene	ND(0.20) J	ND(0.19) J	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Hexachloroethane	ND(0.20)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Indeno(1,2,3-cd)pyrene	ND(0.20) J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19) J	ND(0.21)	ND(0.20)	ND(0.20)	0.073 J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Isophorone	ND(0.20)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Methylphenols, Total	ND(0.39)	ND(0.36)	ND(0.35) [ND(0.35)]	ND(0.38)	ND(0.43)	ND(0.39)	ND(0.40)	ND(0.36)	ND(0.36) [ND(0.36)]	ND(0.37)	ND(0.35)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-05-14	RFI-05-14	RFI-05-15	RFI-05-15	RFI-05-16	RFI-05-16	RFI-05-16	RFI-05-17	RFI-05-17	RFI-05-17	RFI-05-18
Sample Depth(feet):	10-12	8-10	0.9-2.9	6.9-8.9	0.8-2.8	10.8-12.8	8.8-10.8	0.9-2.9	10.9-12.9	8.9-10.9	0.9-2.9
Date Collected:	01/22/01	01/22/01	09/08/01	09/08/01	09/08/01	09/08/01	09/08/01	09/08/01	09/08/01	09/08/01	09/08/01
N-Nitrosodi-n-propylamine	ND(0.20)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
N-Nitrosodiphenylamine	ND(0.20) J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Naphthalene	0.26 J	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Nitrobenzene	ND(0.20)	ND(0.19)	ND(0.069) [ND(0.070)]	ND(0.075)	ND(0.084)	ND(0.077)	ND(0.079)	ND(0.070)	ND(0.070) [ND(0.070)]	ND(0.073)	ND(0.069)
Pentachlorophenol	ND(0.20) J	ND(0.19)	ND(0.69) [ND(0.70)]	ND(0.75)	ND(0.84)	ND(0.77)	ND(0.79)	ND(0.70)	ND(0.70) [ND(0.70)]	ND(0.73)	ND(0.69)
Phenanthrene	0.69 J	ND(0.19)	ND(0.18) [ND(0.18)]	0.41	ND(0.21)	ND(0.20)	ND(0.20)	0.057 J	ND(0.18) [ND(0.18)]	ND(0.18)	0.050 J
Phenol	ND(0.20)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Pyrene	ND(0.20) J	ND(0.19)	ND(0.18) [ND(0.18)]	0.48	ND(0.21)	ND(0.20)	ND(0.20)	0.25 J	ND(0.18) [ND(0.18)]	ND(0.18)	0.081 J
Inorganics											
Antimony	NS	NS	0.24 R [0.20 R]	0.26 R	0.28 R	0.25 R	0.26 R	0.21 R	0.21 R [0.20 R]	ND(0.27)	0.22 R
Arsenic	6.9 J	3.4 J	3.3 [3.7]	6.9	4.2	7.9(RDC)	4.9	4.8	4.8 [3.8]	5.1	3.8
Barium	19 J	8.2 J	10 [14]	37	18	12	27	22	14 [9.6]	20	11
Beryllium	NS	NS	0.11 [0.14]	0.43	0.17	0.16	0.29	0.19	0.11 [0.10]	0.18	0.11
Cadmium	0.40 J	0.086 J	0.081 [0.095]	0.12	0.094	0.067	0.062	0.13	0.073 [0.056]	0.076	0.11
Chromium	8.9	9.2	4.2 [5.7]	15	6.4	5.8	9.3	8.2	4.4 [4.1]	7	4.7
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	2.3 [3.1]	7.6	3.1	3.5	4.3	4.2	2.6 [2.1]	3.8	2.7
Copper	NS	NS	5.8 [6.8]	14	7	8.6	12	13	7 [5.7]	8.5	7.7
Cyanide (total)	NS	NS	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)]	ND(0.20)	ND(0.20)
Lead	6.2 J	4.7 J	5.1 [6.1]	12	6	7.4	7.1	12	6.6 [4.8]	6	6.3
Manganese	NS	NS	120 [160]	270	180	86	190	170	120 [140]	200	140
Mercury	ND(0.024)	0.027	ND(0.071) [ND(0.070)]	ND(0.079)	ND(0.088)	ND(0.077)	0.020 J	0.044 J	ND(0.073) [ND(0.072)]	ND(0.75)	ND(0.071)
Nickel	NS	NS	6.4 [8.3]	18	8.2	8.5	12	11	6.4 [5.4]	9.7	8.4
Selenium	ND(0.083)	ND(0.10)	ND(0.25) [ND(0.081)]	ND(0.10)	ND(0.11)	ND(0.099)	ND(0.10)	ND(0.085)	ND(0.083) [ND(0.085)]	ND(0.11)	ND(0.088)
Silver	ND(0.21)	ND(0.25)	0.039 J [0.0068 J]	0.071 J	0.017 J	0.019 J	0.022 J	0.028 J	0.0065 J [ND(0.20)]	ND(0.27)	0.0091 J
Thallium	NS	NS	0.049 J [0.055 J]	0.12 J	0.065 J	0.044 J	0.093 J	0.081 J	0.057 J [0.048 J]	0.075 J	0.071 J
Vanadium	NS	NS	7.2 [9.0]	19	11	10	13	13	7.2 [7.3]	12	7.9
Zinc	NS	NS	22 J [26 J]	46 J	25 J	29 J	30 J	33 J	27 J [22 J]	30	30 J
PCBs											
Aroclor-1016	ND(0.040)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.044)	ND(0.040)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.038)	ND(0.036)
Aroclor-1221	ND(0.040)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.044)	ND(0.040)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.038)	ND(0.036)
Aroclor-1232	ND(0.040)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.044)	ND(0.040)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.038)	ND(0.036)
Aroclor-1242	ND(0.040)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.044)	ND(0.040)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.038)	ND(0.036)
Aroclor-1248	ND(0.040)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.044)	ND(0.040)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.038)	ND(0.036)
Aroclor-1254	ND(0.040)	ND(0.036)	ND(0.036) [ND(0.036)]	0.042	ND(0.044)	ND(0.040)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.038)	ND(0.036)
Aroclor-1260	ND(0.040)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.044)	ND(0.040)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.038)	ND(0.036)
Total PCBs	ND(0.040)	ND(0.036)	ND(0.036) [ND(0.036)]	0.042	ND(0.044)	ND(0.040)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.038)	ND(0.036)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-05-18	RFI-05-18	RFI-05-19S	RFI-05-19S	RFI-05-20	RFI-05-20	RFI-05-21	RFI-05-21	RFI-05-22	RFI-05-22	RFI-05-23	RFI-05-23
Sample Depth(feet):	6.9-8.9	8.9-10.9	0.8-2.8	6.8-8.8	0.7-2.7	6.7-8.6	0-2	6-8	0.5-2.5	4-6	1.3-3	4-6
Date Collected:	09/08/01	09/08/01	06/26/01	06/26/01	06/22/01	06/22/01	06/26/01	06/26/01	11/26/01	11/26/01	11/26/01	11/26/01
Volatiles												
1,1,1-Trichloroethane	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.043)	NS	ND(0.041)	NS	ND(0.036)
1,1,2,2-Tetrachloroethane	ND(0.077)	ND(0.082)	ND(0.075)	ND(0.077)	ND(0.080)	ND(0.082) J	ND(0.078)	ND(0.086)	NS	ND(0.081)	NS	ND(0.072)
1,1,2-Trichloroethane	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.043)	NS	ND(0.041)	NS	ND(0.036)
1,1-Dichloroethane	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.043)	NS	ND(0.041)	NS	ND(0.036)
1,1-Dichloroethene	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.043)	NS	ND(0.041)	NS	ND(0.036)
1,2,4-Trichlorobenzene	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17) J	ND(0.18) J	ND(0.17)	ND(0.18)	NS	ND(0.17)	NS	ND(0.15)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17) J	ND(0.18) J	ND(0.17)	ND(0.18)	NS	ND(0.17)	NS	ND(0.15)
1,2-Dibromoethane (EDB)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	NS	ND(0.17)	NS	ND(0.15)
1,2-Dichlorobenzene	ND(0.077)	ND(0.082)	ND(0.075)	ND(0.077)	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.086)	NS	ND(0.081)	NS	ND(0.072)
1,2-Dichloroethane	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041) J	ND(0.039)	ND(0.043)	NS	ND(0.041)	NS	ND(0.036)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.043)	NS	ND(0.041)	NS	ND(0.036)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.077)	ND(0.082)	ND(0.075)	ND(0.077)	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.086)	NS	ND(0.081)	NS	ND(0.072)
1,4-Dichlorobenzene	ND(0.077)	ND(0.082)	ND(0.075)	ND(0.077)	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.086)	NS	ND(0.081)	NS	ND(0.072)
2-Butanone	0.075 J	0.081 J	ND(0.27)	ND(0.27)	ND(0.29)	ND(0.29)	ND(0.28)	0.049 J	NS	ND(0.29)	NS	0.046 J
2-Hexanone	ND(0.28)	ND(0.29)	ND(0.27)	ND(0.27)	ND(0.29)	ND(0.29)	ND(0.28)	ND(0.31)	NS	ND(0.29)	NS	ND(0.26)
4-Methyl-2-pentanone	ND(0.28)	ND(0.29)	ND(0.27)	ND(0.27)	ND(0.29)	ND(0.29)	ND(0.28)	ND(0.31)	NS	ND(0.29)	NS	ND(0.26)
Acetone	ND(0.39)	ND(0.42)	ND(0.27)	ND(0.27)	ND(0.29)	ND(0.29) J	ND(0.28)	ND(0.31)	NS	ND(0.29)	NS	0.24 J
Benzene	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.043)	NS	ND(0.041)	NS	ND(0.036)
Benzene, isopropyl	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	NS	ND(0.17)	NS	ND(0.15)
Bromodichloromethane	ND(0.077)	ND(0.082)	ND(0.075)	ND(0.077)	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.086)	NS	ND(0.081)	NS	ND(0.072)
Bromoform	ND(0.077)	ND(0.082)	ND(0.075)	ND(0.077)	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.086)	NS	ND(0.081)	NS	ND(0.072)
Bromomethane	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	NS	ND(0.17)	NS	ND(0.15)
Carbon disulfide	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	NS	ND(0.17)	NS	ND(0.15)
Carbon tetrachloride	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.043)	NS	ND(0.041)	NS	ND(0.036)
Chlorobenzene	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.043)	NS	ND(0.041)	NS	ND(0.036)
Chloroethane	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	NS	ND(0.17)	NS	ND(0.15)
Chloroform	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.043)	NS	ND(0.041)	NS	ND(0.036)
Chloromethane	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	NS	ND(0.17)	NS	ND(0.15)
cis-1,2-Dichloroethene	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.043)	NS	ND(0.041)	NS	ND(0.036)
cis-1,3-Dichloropropene	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.043)	NS	ND(0.041)	NS	ND(0.036)
Cyclohexane	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18) J	0.033 J	ND(0.18)	NS	ND(0.17)	NS	0.032 J
Dibromochloromethane	ND(0.077)	ND(0.082)	ND(0.075)	ND(0.077)	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.086)	NS	ND(0.081)	NS	ND(0.072)
Dichlorodifluoromethane (CFC-12)	ND(0.077)	ND(0.082)	ND(0.075)	ND(0.077)	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.086)	NS	ND(0.081)	NS	ND(0.072)
Ethylbenzene	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.043)	NS	ND(0.041)	NS	ND(0.036)
m&p-Xylene	0.040 J	0.029 J	ND(0.075)	ND(0.077)	ND(0.080)	ND(0.082)	0.039 J	ND(0.086)	NS	ND(0.081)	NS	ND(0.072)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-05-18	RFI-05-18	RFI-05-19S	RFI-05-19S	RFI-05-20	RFI-05-20	RFI-05-21	RFI-05-21	RFI-05-22	RFI-05-22	RFI-05-23	RFI-05-23
Sample Depth(feet):	6.9-8.9	8.9-10.9	0.8-2.8	6.8-8.8	0.7-2.7	6.7-8.6	0-2	6-8	0.5-2.5	4-6	1.3-3	4-6
Date Collected:	09/08/01	09/08/01	06/26/01	06/26/01	06/22/01	06/22/01	06/26/01	06/26/01	11/26/01	11/26/01	11/26/01	11/26/01
Methyl acetate	0.088 J	ND(0.18)	0.051 J	ND(0.16)	0.56	0.055 J	ND(0.17)	0.10 J	NS	ND(0.17)	NS	ND(0.15)
Methyl Tert Butyl Ether	ND(0.28)	ND(0.29)	ND(0.27)	ND(0.27)	ND(0.29)	ND(0.29)	ND(0.28)	ND(0.31)	NS	ND(0.29)	NS	ND(0.26)
Methylcyclohexane	0.041 J	0.033 J	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	0.080 J	0.040 J	NS	ND(0.17)	NS	0.032 J
Methylene chloride	ND(0.17)	ND(0.18)	ND(0.16) J	ND(0.16) J	ND(0.17) J	ND(0.18) J	ND(0.17) J	ND(0.18) J	NS	ND(0.17)	NS	ND(0.15)
o-Xylene	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	0.034 J	ND(0.043)	NS	ND(0.041)	NS	ND(0.036)
Styrene	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.043)	NS	ND(0.041)	NS	ND(0.036)
Tetrachloroethene	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.043)	NS	ND(0.041)	NS	ND(0.036)
Toluene	0.04	0.039 J	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	0.043	ND(0.043)	NS	ND(0.041)	NS	ND(0.036)
trans-1,2-Dichloroethene	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.043)	NS	ND(0.041)	NS	ND(0.036)
trans-1,3-Dichloropropene	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.043)	NS	ND(0.041)	NS	ND(0.036)
Trichloroethene	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.038)	0.16	ND(0.041)	ND(0.039)	ND(0.043)	NS	ND(0.041)	NS	ND(0.036)
Trichlorofluoromethane (CFC-11)	ND(0.077)	ND(0.082)	ND(0.075)	ND(0.077)	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.086)	NS	ND(0.081)	NS	ND(0.072)
Trifluorotrichloroethane (Freon 113)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	NS	ND(0.17)	NS	ND(0.15)
Vinyl chloride	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.043)	NS	ND(0.041)	NS	ND(0.036)
Xylenes (total)	0.04	0.029	ND(0.075)	ND(0.077)	ND(0.080)	ND(0.082)	0.073	ND(0.086)	NS	ND(0.081)	NS	ND(0.072)
Semivolatiles												
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94) J	ND(0.21) J	NS	ND(0.19)	NS	ND(0.18)
2,4,6-Trichlorophenol	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94) J	ND(0.21) J	NS	ND(0.19)	NS	ND(0.18)
2,4-Dichlorophenol	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94) J	ND(0.21) J	NS	ND(0.19)	NS	ND(0.18)
2,4-Dimethylphenol	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)
2,4-Dinitrophenol	ND(0.76)	ND(0.76)	ND(0.72)	ND(0.72)	ND(0.77)	ND(0.78)	ND(3.7)	ND(0.84)	NS	ND(0.77)	NS	ND(0.70)
2,4-Dinitrotoluene	ND(0.76)	ND(0.76)	ND(0.72)	ND(0.72)	ND(0.77)	ND(0.78)	ND(3.7)	ND(0.84)	NS	ND(0.77)	NS	ND(0.70)
2,6-Dinitrotoluene	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)
2-Chloronaphthalene	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94) J	ND(0.21) J	NS	ND(0.19)	NS	0.099 J
2-Chlorophenol	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)
2-Methyl naphthalene	0.42	0.21	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	0.17 J	NS	0.23
2-Methylphenol	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)
2-Nitroaniline	ND(0.76)	ND(0.76)	ND(0.72)	ND(0.72)	ND(0.77)	ND(0.78)	ND(3.7)	ND(0.84)	NS	ND(0.77)	NS	ND(0.70)
2-Nitrophenol	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)
3&4-Methylphenol	ND(0.38)	ND(0.39) J	ND(0.37) J	ND(0.37) J	ND(0.39)	ND(0.40)	ND(1.9) J	ND(0.43) J	NS	ND(0.39)	NS	ND(0.36) J
3,3-Dichlorobenzidine	ND(0.76) J	ND(0.76) J	ND(0.72)	ND(0.72)	ND(0.77)	ND(0.78)	ND(3.7) J	ND(0.84) J	NS	ND(0.77)	NS	ND(0.70)
3-Nitroaniline	ND(0.76)	ND(0.76)	ND(0.72)	ND(0.72)	ND(0.77)	ND(0.78)	ND(3.7)	ND(0.84)	NS	ND(0.77)	NS	ND(0.70)
4,6-Dinitro-2-methylphenol	ND(0.76) J	ND(0.76) J	ND(0.72)	ND(0.72)	ND(0.77)	ND(0.78)	ND(3.7)	ND(0.84)	NS	ND(0.77)	NS	ND(0.70)
4-Bromophenyl phenyl ether	ND(0.19) J	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)
4-Chloro-3-methylphenol	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-05-18	RFI-05-18	RFI-05-19S	RFI-05-19S	RFI-05-20	RFI-05-20	RFI-05-21	RFI-05-21	RFI-05-22	RFI-05-22	RFI-05-23	RFI-05-23
Sample Depth(feet):	6.9-8.9	8.9-10.9	0.8-2.8	6.8-8.8	0.7-2.7	6.7-8.6	0-2	6-8	0.5-2.5	4-6	1.3-3	4-6
Date Collected:	09/08/01	09/08/01	06/26/01	06/26/01	06/22/01	06/22/01	06/26/01	06/26/01	11/26/01	11/26/01	11/26/01	11/26/01
4-Chloroaniline	ND(0.76)	ND(0.76)	ND(0.72)	ND(0.72)	ND(0.77)	ND(0.78) J	ND(3.7)	ND(0.84)	NS	ND(0.77)	NS	ND(0.70)
4-Chlorophenyl phenyl ether	ND(0.76)	ND(0.76)	ND(0.72)	ND(0.72)	ND(0.77)	ND(0.78)	ND(3.7) J	ND(0.84) J	NS	ND(0.77)	NS	ND(0.70)
4-Nitroaniline	ND(0.76)	ND(0.76)	ND(0.72)	ND(0.72)	ND(0.77)	ND(0.78)	ND(3.7)	ND(0.84)	NS	ND(0.77)	NS	ND(0.70)
4-Nitrophenol	ND(0.76)	ND(0.76) J	ND(0.72)	ND(0.72)	ND(0.77)	ND(0.78)	ND(3.7)	ND(0.84)	NS	ND(0.77)	NS	ND(0.70)
Acenaphthene	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94) J	ND(0.21) J	NS	0.32	NS	0.17 J
Acenaphthylene	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94) J	0.094 J	NS	0.044 J	NS	ND(0.18)
Acetophenone	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94) J	ND(0.21)	NS	ND(0.19)	NS	0.044 J
Anthracene	ND(0.19) J	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	0.17 J	NS	0.91	NS	0.33
Atrazine	ND(0.19) J	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)
Benzaldehyde	ND(0.19)	ND(0.19)	ND(0.18) J	ND(0.18) J	ND(0.20)	ND(0.20)	ND(0.94) J	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)
Benzo(a)anthracene	1.3 J	0.089 J	ND(0.18)	ND(0.18)	0.038 J	0.052 J	1.3 J	1.3	NS	2.5 J	NS	0.58
Benzo(a)pyrene	0.95 J	ND(0.19) J	ND(0.18)	ND(0.18)	0.038 J	0.046 J	1.7 J	1.3 J	NS	2.1 J(RDC)	NS	0.4
Benzo(b)fluoranthene	1.1 J	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.20)	0.049 J	1.8 J	1.3 J	NS	2.6 J	NS	0.35
Benzo(g,h,i)perylene	0.53 J	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	0.86 J	0.73 J	NS	1.0 J	NS	0.72
Benzo(k)fluoranthene	1.0 J	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.20)	0.052 J	1.4 J	1.2 J	NS	3.0 J	NS	0.27
Biphenyl	0.41	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)
bis(2-Chloroethoxy)methane	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)
bis(2-Chloroethyl)ether	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.036)	ND(0.038)	ND(0.038)	ND(0.18)	ND(0.041)	NS	ND(0.038)	NS	ND(0.035)
bis(2-Chloroisopropyl)ether	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)
bis(2-Ethylhexyl)phthalate	0.54 J	0.31 J	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94) J	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)
Butyl benzylphthalate	ND(0.19) J	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94) J	ND(0.21)	NS	ND(0.19)	NS	0.048 J
Caprolactam	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)
Carbazole	ND(0.19) J	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	0.18 J	NS	1.4	NS	0.13 J
Chrysene	1.4 J	0.14 J	ND(0.18)	ND(0.18)	ND(0.20)	0.057 J	1.7 J	1.5	NS	2.7 J	NS	0.55
Di-n-butylphthalate	ND(0.19) J	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	0.051 J	NS	ND(0.18)
Di-n-octyl phthalate	ND(0.19) J	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94) J	ND(0.21) J	NS	ND(0.19)	NS	ND(0.18)
Dibenzo(a,h)anthracene	ND(0.19) J	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94) J	ND(0.21) J	NS	ND(0.19)	NS	ND(0.18) J
Dibenzofuran	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	0.2	NS	0.12 J
Diethyl phthalate	ND(0.19)	ND(0.19)	0.15 J	0.15 J	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	0.073 J	NS	0.091 J
Dimethyl phthalate	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)
Fluoranthene	1.8 J	ND(0.19) J	ND(0.18)	ND(0.18)	0.066 J	0.090 J	1.2 J	3	NS	ND(0.19)	NS	1
Fluorene	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94) J	0.053 J	NS	0.46	NS	0.19
Hexachlorobenzene	ND(0.19) J	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)
Hexachlorobutadiene	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)
Hexachlorocyclopentadiene	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)
Hexachloroethane	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)
Indeno(1,2,3-cd)pyrene	0.48 J	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	0.88 J	0.66 J	NS	0.92 J	NS	0.57
Isophorone	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94) J	ND(0.21) J	NS	ND(0.19)	NS	ND(0.18)
Methylphenols, Total	ND(0.38)	ND(0.39)	ND(0.37)	ND(0.37)	ND(0.39)	ND(0.40)	ND(1.9)	ND(0.43)	NS	ND(0.39)	NS	ND(0.36)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-05-18	RFI-05-18	RFI-05-19S	RFI-05-19S	RFI-05-20	RFI-05-20	RFI-05-21	RFI-05-21	RFI-05-22	RFI-05-22	RFI-05-23	RFI-05-23
Sample Depth(feet):	6.9-8.9	8.9-10.9	0.8-2.8	6.8-8.8	0.7-2.7	6.7-8.6	0-2	6-8	0.5-2.5	4-6	1.3-3	4-6
Date Collected:	09/08/01	09/08/01	06/26/01	06/26/01	06/22/01	06/22/01	06/26/01	06/26/01	11/26/01	11/26/01	11/26/01	11/26/01
N-Nitrosodi-n-propylamine	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)
N-Nitrosodiphenylamine	ND(0.19) J	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)
Naphthalene	0.13 J	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	0.17 J	NS	0.31
Nitrobenzene	ND(0.076)	ND(0.076)	ND(0.072)	ND(0.072)	ND(0.077)	ND(0.078)	ND(0.37) J	ND(0.084) J	NS	ND(0.077)	NS	ND(0.070)
Pentachlorophenol	ND(0.76) J	ND(0.76) J	ND(0.72)	ND(0.72)	ND(0.77)	ND(0.78)	ND(3.7)	ND(0.84)	NS	ND(0.77)	NS	ND(0.70)
Phenanthrene	3.2 J	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	0.32 J	1	NS	3.4	NS	1.2
Phenol	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.94)	ND(0.21)	NS	ND(0.19)	NS	ND(0.18)
Pyrene	4.5 J	0.60 J	ND(0.18)	ND(0.18)	0.069 J	0.096 J	2.8 DJ	4	NS	5.0 DJ	NS	1.6
Inorganics												
Antimony	0.23 R	0.23 R	0.20 R	0.22 R	ND(0.22) J	ND(0.25) J	0.27 J	0.061 J	NS	0.25 R	NS	0.14 R
Arsenic	9.5(RDC)	5.8	1.7	3.7	5.7	4.1	4.2	4.6	NS	4.6	NS	12(RDC)
Barium	330	42	7.3	6.9	51	22	35	130	NS	170	NS	99
Beryllium	1.6	0.21	0.11	0.1	0.40 J	0.18 J	0.41	1	NS	0.68 J	NS	0.58 J
Cadmium	0.51	0.16	0.067	0.087	0.32 J	0.097 J	0.43	0.53	NS	0.77 J	NS	0.091 J
Chromium	19	7.8	4.6	6.2	19 J	9.2 J	15	13	NS	43 J	NS	76 J
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	7.2	2.7	1.5 J	2.0 J	5.4	3	3.5 J	5.7 J	NS	4	NS	6.5
Copper	77	15	23 J	5.5 J	93	10	21,000 J(RDC)	30 J	NS	200	NS	100
Cyanide (total)	0.041 J	0.075 J	0.16 J	0.017 J	0.034 J	0.023 J	0.069 J	0.035 J	NS	ND(0.20) J	NS	0.27
Lead	3,500(RDC,IDC)	51	8.2	4.5	54	14	3,100(RDC,IDC)	78	14	310	92	21
Manganese	250	120	94	130	390 J	210 J	220	120	NS	930	NS	2,400(IPSIC)
Mercury	0.081	0.076 J	ND(0.072)	ND(0.074)	0.027 J	ND(0.081)	0.087	0.2	NS	1.4	NS	0.034 J
Nickel	20	8.2	5.8 J	5.2 J	16	9.6	44 J	17 J	NS	45 J	NS	89 J
Selenium	ND(0.23)	ND(0.093)	0.16	0.21	0.30 J	0.13 J	ND(0.088)	0.53	NS	0.39 J	NS	0.091
Silver	0.22 J	0.092 J	0.053 J	0.029 J	ND(0.22)	ND(0.25)	9.8	0.15 J	NS	0.20 J	NS	0.2
Thallium	0.19 J	0.094 J	0.021 J	0.037 J	ND(0.22)	ND(0.25)	0.064 J	0.14 J	NS	0.14 J	NS	0.043 J
Vanadium	23	13	6	8.7	18	14	12	18	NS	12 J	NS	31 J
Zinc	190 J	85 J	14	21	68	28	110	180	NS	180	NS	10
PCBs												
Aroclor-1016	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.044)	NS	ND(0.040)	NS	ND(0.037)
Aroclor-1221	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.044)	NS	ND(0.040)	NS	ND(0.037)
Aroclor-1232	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.044)	NS	ND(0.040)	NS	ND(0.037)
Aroclor-1242	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.044)	NS	ND(0.040)	NS	ND(0.037)
Aroclor-1248	0.22 J	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.044)	NS	ND(0.040)	NS	ND(0.037)
Aroclor-1254	0.14	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.044)	NS	ND(0.040)	NS	ND(0.037)
Aroclor-1260	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	0.25	ND(0.044)	NS	ND(0.040)	NS	ND(0.037)
Total PCBs	0.36	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.041)	0.25	ND(0.044)	NS	ND(0.040)	NS	ND(0.037)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-05-24	RFI-05-24	RFI-05-25	RFI-05-27	RFI-05-29	RFI-05-30	RFI-05-30	RFI-07-01	RFI-07-01	RFI-07-02	RFI-07-02	RFI-07-03	RFI-07-04
Sample Depth(feet):	1-3	3-5	0-2	7-9	7-9	0-2	6-8	0.3-2.3	2.3-4.3	0.8-2.8	2.8-4.8	0-2	0-2
Date Collected:	11/26/01	11/26/01	11/30/01	12/10/01	12/10/01	01/10/02	01/10/02	06/13/01	06/13/01	06/13/01	06/13/01	06/14/01	06/14/01
Volatiles													
1,1,1-Trichloroethane	NS	NS	ND(0.039)	NS	NS	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.051)
1,1,2,2-Tetrachloroethane	NS	NS	ND(0.079)	NS	NS	ND(0.078)	ND(0.076)	ND(0.082)	ND(0.081)	ND(0.076)	ND(0.081)	ND(0.078) J	ND(0.10) J
1,1,2-Trichloroethane	NS	NS	ND(0.039)	NS	NS	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.051)
1,1-Dichloroethane	NS	NS	ND(0.039)	NS	NS	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.051)
1,1-Dichloroethene	NS	NS	ND(0.039)	NS	NS	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.051)
1,2,4-Trichlorobenzene	NS	NS	ND(0.17)	NS	NS	ND(0.17)	ND(0.16)	ND(0.18) J	ND(0.17) J	ND(0.16) J	ND(0.17) J	ND(0.17) J	ND(0.22) J
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	ND(0.17)	NS	NS	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17) J	ND(0.22) J
1,2-Dibromoethane (EDB)	NS	NS	ND(0.17)	NS	NS	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.22)
1,2-Dichlorobenzene	NS	NS	ND(0.079)	NS	NS	ND(0.078)	ND(0.076)	ND(0.082)	ND(0.081)	ND(0.076)	ND(0.081)	ND(0.078)	ND(0.10)
1,2-Dichloroethane	NS	NS	ND(0.039)	NS	NS	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.051)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	NS	NS	ND(0.039)	NS	NS	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.051)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	ND(0.079)	NS	NS	ND(0.078)	ND(0.076)	ND(0.082)	ND(0.081)	ND(0.076)	ND(0.081)	ND(0.078)	ND(0.10)
1,4-Dichlorobenzene	NS	NS	ND(0.079)	NS	NS	ND(0.078)	ND(0.076)	ND(0.082)	ND(0.081)	ND(0.076)	ND(0.081)	ND(0.078)	ND(0.10)
2-Butanone	NS	NS	ND(0.28)	NS	NS	0.059 J	0.040 J	ND(0.29)	ND(0.29)	ND(0.27)	ND(0.29)	ND(0.28) J	0.20 J
2-Hexanone	NS	NS	ND(0.28)	NS	NS	ND(0.28)	ND(0.27)	ND(0.29)	ND(0.29)	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.36)
4-Methyl-2-pentanone	NS	NS	ND(0.28)	NS	NS	ND(0.28)	ND(0.27)	ND(0.29)	ND(0.29)	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.36)
Acetone	NS	NS	ND(0.28)	NS	NS	ND(0.28)	ND(0.27)	ND(0.29)	ND(0.29)	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.38)
Benzene	NS	NS	ND(0.039)	NS	NS	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.039)	0.2
Benzene, isopropyl	NS	NS	ND(0.17)	NS	NS	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	0.12 J
Bromodichloromethane	NS	NS	ND(0.079)	NS	NS	ND(0.078)	ND(0.076)	ND(0.082)	ND(0.081)	ND(0.076)	ND(0.081)	ND(0.078)	ND(0.10)
Bromoform	NS	NS	ND(0.079)	NS	NS	ND(0.078)	ND(0.076)	ND(0.082)	ND(0.081)	ND(0.076)	ND(0.081)	ND(0.078)	ND(0.10)
Bromomethane	NS	NS	ND(0.17)	NS	NS	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.22)
Carbon disulfide	NS	NS	ND(0.17)	NS	NS	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.22)
Carbon tetrachloride	NS	NS	ND(0.039)	NS	NS	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.051)
Chlorobenzene	NS	NS	ND(0.039)	NS	NS	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.051)
Chloroethane	NS	NS	ND(0.17)	NS	NS	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.22)
Chloroform	NS	NS	ND(0.039)	NS	NS	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.051)
Chloromethane	NS	NS	ND(0.17)	NS	NS	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.22)
cis-1,2-Dichloroethene	NS	NS	ND(0.039)	NS	NS	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.051)
cis-1,3-Dichloropropene	NS	NS	ND(0.039)	NS	NS	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.051)
Cyclohexane	NS	NS	ND(0.17)	NS	NS	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	0.86
Dibromochloromethane	NS	NS	ND(0.079)	NS	NS	ND(0.078)	ND(0.076)	ND(0.082)	ND(0.081)	ND(0.076)	ND(0.081)	ND(0.078)	ND(0.10)
Dichlorodifluoromethane (CFC-12)	NS	NS	ND(0.079)	NS	NS	ND(0.078)	ND(0.076)	ND(0.082)	ND(0.081)	ND(0.076)	ND(0.081)	ND(0.078)	ND(0.10)
Ethylbenzene	NS	NS	ND(0.039)	NS	NS	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.039)	0.35
m&p-Xylene	NS	NS	ND(0.079)	NS	NS	ND(0.078)	ND(0.076)	ND(0.082)	ND(0.081)	ND(0.076)	ND(0.081)	ND(0.078)	1.5

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-05-24	RFI-05-24	RFI-05-25	RFI-05-27	RFI-05-29	RFI-05-30	RFI-05-30	RFI-07-01	RFI-07-01	RFI-07-02	RFI-07-02	RFI-07-03	RFI-07-04
Sample Depth(feet):	1-3	3-5	0-2	7-9	7-9	0-2	6-8	0.3-2.3	2.3-4.3	0.8-2.8	2.8-4.8	0-2	0-2
Date Collected:	11/26/01	11/26/01	11/30/01	12/10/01	12/10/01	01/10/02	01/10/02	06/13/01	06/13/01	06/13/01	06/13/01	06/14/01	06/14/01
Methyl acetate	NS	NS	0.035 J	NS	NS	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.17)	0.31	0.069 J	ND(0.17)	ND(0.22)
Methyl Tert Butyl Ether	NS	NS	ND(0.28)	NS	NS	ND(0.28)	ND(0.27)	ND(0.29)	ND(0.29)	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.36)
Methylcyclohexane	NS	NS	ND(0.17)	NS	NS	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	2.5
Methylene chloride	NS	NS	0.032 J	NS	NS	0.058 J	0.055 J	ND(0.18)	0.035 J	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.22)
o-Xylene	NS	NS	ND(0.039)	NS	NS	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.039)	1
Styrene	NS	NS	ND(0.039)	NS	NS	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.051)
Tetrachloroethene	NS	NS	ND(0.039)	NS	NS	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.051)
Toluene	NS	NS	ND(0.039)	NS	NS	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.039)	1.1
trans-1,2-Dichloroethene	NS	NS	ND(0.039)	NS	NS	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.051)
trans-1,3-Dichloropropene	NS	NS	ND(0.039)	NS	NS	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.051)
Trichloroethene	NS	NS	ND(0.039)	NS	NS	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.051)
Trichlorofluoromethane (CFC-11)	NS	NS	ND(0.079)	NS	NS	ND(0.078)	ND(0.076)	ND(0.082)	ND(0.081)	ND(0.076)	ND(0.081)	ND(0.078)	ND(0.10)
Trifluorotrichloroethane (Freon 113)	NS	NS	ND(0.17)	NS	NS	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.22)
Vinyl chloride	NS	NS	ND(0.039)	NS	NS	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.051)
Xylenes (total)	NS	NS	ND(0.079)	NS	NS	ND(0.078)	ND(0.076)	ND(0.082)	ND(0.081)	ND(0.076)	ND(0.081)	ND(0.078)	2.5
Semivolatiles													
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.25)
2,4,6-Trichlorophenol	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.25)
2,4-Dichlorophenol	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.25)
2,4-Dimethylphenol	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.25)
2,4-Dinitrophenol	NS	NS	ND(0.75)	NS	NS	ND(0.76)	ND(0.73)	ND(0.80)	ND(0.78)	ND(0.72)	ND(0.78) J	ND(0.76)	ND(0.97)
2,4-Dinitrotoluene	NS	NS	ND(0.75)	NS	NS	ND(0.76)	ND(0.73)	ND(0.80)	ND(0.78)	ND(0.72)	ND(0.78)	ND(0.76)	ND(0.97)
2,6-Dinitrotoluene	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
2-Chloronaphthalene	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
2-Chlorophenol	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.25)
2-Methyl naphthalene	NS	NS	0.55	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	0.61
2-Methylphenol	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.25)
2-Nitroaniline	NS	NS	ND(0.75)	NS	NS	ND(0.76)	ND(0.73)	ND(0.80)	ND(0.78)	ND(0.72)	ND(0.78)	ND(0.76)	ND(0.97)
2-Nitrophenol	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.25)
3&4-Methylphenol	NS	NS	ND(0.38)	NS	NS	ND(0.38)	ND(0.37)	ND(0.41)	ND(0.40)	ND(0.36)	ND(0.40) J	ND(0.38)	ND(0.49)
3,3-Dichlorobenzidine	NS	NS	ND(0.75)	NS	NS	ND(0.76)	ND(0.73)	ND(0.80)	ND(0.78) J	ND(0.72)	ND(0.78) J	ND(0.76)	ND(0.97)
3-Nitroaniline	NS	NS	ND(0.75)	NS	NS	ND(0.76)	ND(0.73)	ND(0.80)	ND(0.78)	ND(0.72)	ND(0.78)	ND(0.76)	ND(0.97)
4,6-Dinitro-2-methylphenol	NS	NS	ND(0.75)	NS	NS	ND(0.76)	ND(0.73)	ND(0.80)	ND(0.78)	ND(0.72)	ND(0.78) J	ND(0.76)	ND(0.97)
4-Bromophenyl phenyl ether	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
4-Chloro-3-methylphenol	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.25)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-05-24	RFI-05-24	RFI-05-25	RFI-05-27	RFI-05-29	RFI-05-30	RFI-05-30	RFI-07-01	RFI-07-01	RFI-07-02	RFI-07-02	RFI-07-03	RFI-07-04
Sample Depth(feet):	1-3	3-5	0-2	7-9	7-9	0-2	6-8	0.3-2.3	2.3-4.3	0.8-2.8	2.8-4.8	0-2	0-2
Date Collected:	11/26/01	11/26/01	11/30/01	12/10/01	12/10/01	01/10/02	01/10/02	06/13/01	06/13/01	06/13/01	06/13/01	06/14/01	06/14/01
4-Chloroaniline	NS	NS	ND(0.75)	NS	NS	ND(0.76)	ND(0.73)	ND(0.80)	ND(0.78) J	ND(0.72)	ND(0.78)	ND(0.76)	ND(0.97)
4-Chlorophenyl phenyl ether	NS	NS	ND(0.75)	NS	NS	ND(0.76)	ND(0.73)	ND(0.80)	ND(0.78)	ND(0.72)	ND(0.78)	ND(0.76)	ND(0.97)
4-Nitroaniline	NS	NS	ND(0.75)	NS	NS	ND(0.76)	ND(0.73)	ND(0.80)	ND(0.78)	ND(0.72)	ND(0.78)	ND(0.76)	ND(0.97)
4-Nitrophenol	NS	NS	ND(0.75)	NS	NS	ND(0.76)	ND(0.73)	ND(0.80)	ND(0.78)	ND(0.72)	ND(0.78) J	ND(0.76)	ND(0.97)
Acenaphthene	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
Acenaphthylene	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
Acetophenone	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.25)
Anthracene	NS	NS	0.045 J	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	0.052 J
Atrazine	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
Benzaldehyde	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20) J	ND(0.18) J	ND(0.20) J	ND(0.19) J	ND(0.25) J
Benzo(a)anthracene	NS	NS	0.23	NS	NS	0.078 J	ND(0.18)	ND(0.20)	0.10 J	ND(0.18)	ND(0.20)	ND(0.19)	0.16 J
Benzo(a)pyrene	NS	NS	0.27	NS	NS	0.14 J	ND(0.18)	ND(0.20)	0.097 J	0.034 J	ND(0.20)	ND(0.19)	0.13 J
Benzo(b)fluoranthene	NS	NS	ND(0.19)	NS	NS	0.22	ND(0.18)	ND(0.20)	0.094 J	ND(0.18)	ND(0.20)	ND(0.19)	0.26 J
Benzo(g,h,i)perylene	NS	NS	0.48	NS	NS	0.21	ND(0.18)	ND(0.20)	ND(0.20) J	ND(0.18)	ND(0.20)	ND(0.19)	0.14 J
Benzo(k)fluoranthene	NS	NS	ND(0.19)	NS	NS	0.12 J	ND(0.18)	ND(0.20)	0.083 J	ND(0.18)	ND(0.20)	ND(0.19)	0.23 J
Biphenyl	NS	NS	0.18 J	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	0.063 J
bis(2-Chloroethoxy)methane	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
bis(2-Chloroethyl)ether	NS	NS	ND(0.037)	NS	NS	ND(0.037)	ND(0.036)	ND(0.039)	ND(0.039)	ND(0.035)	ND(0.039)	ND(0.037)	ND(0.048)
bis(2-Chloroisopropyl)ether	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
bis(2-Ethylhexyl)phthalate	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	0.074 J	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
Butyl benzylphthalate	NS	NS	ND(0.19)	NS	NS	0.043 J	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	0.069 J
Caprolactam	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
Carbazole	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
Chrysene	NS	NS	0.3	NS	NS	0.098 J	ND(0.18)	ND(0.20)	0.11 J	ND(0.18)	ND(0.20)	ND(0.19)	0.18 J
Di-n-butylphthalate	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
Di-n-octyl phthalate	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20) J	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
Dibenzo(a,h)anthracene	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20) J	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
Dibenzofuran	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	0.13 J
Diethyl phthalate	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
Dimethyl phthalate	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
Fluoranthene	NS	NS	0.28	NS	NS	0.14 J	ND(0.18)	0.041 J	0.2	0.047 J	ND(0.20)	ND(0.19)	0.23 J
Fluorene	NS	NS	0.23	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
Hexachlorobenzene	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.25)
Hexachlorobutadiene	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
Hexachlorocyclopentadiene	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.25)
Hexachloroethane	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
Indeno(1,2,3-cd)pyrene	NS	NS	0.24	NS	NS	0.12 J	ND(0.18)	ND(0.20)	ND(0.20) J	ND(0.18)	ND(0.20)	ND(0.19)	0.089 J
Isophorone	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
Methylphenols, Total	NS	NS	ND(0.38)	NS	NS	ND(0.38)	ND(0.37)	ND(0.41)	ND(0.40)	ND(0.36)	ND(0.40)	ND(0.38)	ND(0.49)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-05-24	RFI-05-24	RFI-05-25	RFI-05-27	RFI-05-29	RFI-05-30	RFI-05-30	RFI-07-01	RFI-07-01	RFI-07-02	RFI-07-02	RFI-07-03	RFI-07-04
Sample Depth(feet):	1-3	3-5	0-2	7-9	7-9	0-2	6-8	0.3-2.3	2.3-4.3	0.8-2.8	2.8-4.8	0-2	0-2
Date Collected:	11/26/01	11/26/01	11/30/01	12/10/01	12/10/01	01/10/02	01/10/02	06/13/01	06/13/01	06/13/01	06/13/01	06/14/01	06/14/01
N-Nitrosodi-n-propylamine	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
N-Nitrosodiphenylamine	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.25)
Naphthalene	NS	NS	0.19 J	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	0.37
Nitrobenzene	NS	NS	ND(0.075)	NS	NS	ND(0.076)	ND(0.073)	ND(0.080)	ND(0.078)	ND(0.072)	ND(0.078)	ND(0.076)	ND(0.097)
Pentachlorophenol	NS	NS	ND(0.75)	NS	NS	ND(0.76)	ND(0.73)	ND(0.80)	ND(0.78)	ND(0.72)	ND(0.78)	ND(0.76)	ND(0.97)
Phenanthrene	NS	NS	0.52	NS	NS	0.058 J	ND(0.18)	ND(0.20)	0.16 J	ND(0.18)	ND(0.20)	ND(0.19)	0.42
Phenol	NS	NS	ND(0.19)	NS	NS	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.25)
Pyrene	NS	NS	0.57	NS	NS	0.14 J	ND(0.18)	0.043 J	0.25	0.059 J	ND(0.20)	ND(0.19)	0.3
Inorganics													
Antimony	NS	NS	ND(0.20)	NS	NS	0.036 J	0.018 J	ND(0.39) J	ND(0.40) J	ND(0.35) J	ND(0.39) J	0.068 J	0.20 J
Arsenic	NS	NS	4.2	NS	NS	8.4(RDC)	3.4	4.8	6.1	5.2	2.9	3.5	16(RDC)
Barium	NS	NS	34	NS	NS	55	8.7	29 J	44 J	24 J	51 J	44	160 J
Beryllium	NS	NS	0.26	NS	NS	0.64	0.13	0.29	0.35	0.2	0.41	0.31	1.1
Cadmium	NS	NS	0.21	NS	NS	0.42	0.083	0.13	0.45	0.074	0.28	0.21	0.83
Chromium	NS	NS	13	NS	NS	14	4.4	7.8	45	8.6	12	10	38
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	5.2	NS	NS	5.3	2.1	4.5	5.4	3	3.6	3.9	12
Copper	NS	NS	17	NS	NS	18	5.2	9.9	26	8.8	17	7.5	38
Cyanide (total)	NS	NS	ND(0.20)	NS	NS	ND(0.20)	ND(0.20)	0.016 J	ND(0.20)	0.060 J	ND(0.20)	0.078 J	0.055 J
Lead	42	34	50	5.5	46	32	3.9	8.1	32	9.7	7.6	30 J	200 J
Manganese	NS	NS	300	NS	NS	220	120	380 J	410 J	300 J	180 J	160 J	390 J
Mercury	NS	NS	0.019 J	NS	NS	0.047 J	ND(0.076)	0.021 J	0.036 J	ND(0.075)	0.037 J	0.027 J	0.096 J
Nickel	NS	NS	17	NS	NS	16	5.1	11	21	15	12	7.8	30
Selenium	NS	NS	ND(0.081)	NS	NS	0.27 J	0.13	ND(0.70)	ND(0.73)	0.53 J	0.49 J	0.33 J	1.5
Silver	NS	NS	0.051 J	NS	NS	0.2	0.032 J	ND(0.18)	0.22	0.037 J	0.037 J	ND(0.77)	ND(0.67)
Thallium	NS	NS	0.10 J	NS	NS	0.16 J	0.063 J	0.092 J	0.11 J	0.091 J	0.10 J	0.13 J	0.34
Vanadium	NS	NS	14	NS	NS	18	7.9	13	20	16	18	16	40
Zinc	NS	NS	44	NS	NS	53	19	35	93	21	38	46 J	200 J
PCBs													
Aroclor-1016	NS	NS	ND(0.039)	NS	NS	ND(0.040)	ND(0.038)	ND(0.042)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.051)
Aroclor-1221	NS	NS	ND(0.039)	NS	NS	ND(0.040)	ND(0.038)	ND(0.042)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.051)
Aroclor-1232	NS	NS	ND(0.039)	NS	NS	ND(0.040)	ND(0.038)	ND(0.042)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.051)
Aroclor-1242	NS	NS	0.46	NS	NS	ND(0.040)	ND(0.038)	ND(0.042)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.051)
Aroclor-1248	NS	NS	ND(0.039)	NS	NS	ND(0.040)	ND(0.038)	ND(0.042)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.051)
Aroclor-1254	NS	NS	0.22	NS	NS	ND(0.040)	ND(0.038)	ND(0.042)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.051)
Aroclor-1260	NS	NS	ND(0.039)	NS	NS	0.028 J	ND(0.038)	ND(0.042)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.051)
Total PCBs	NS	NS	0.68	NS	NS	0.028	ND(0.038)	ND(0.042)	ND(0.041)	ND(0.038)	ND(0.041)	ND(0.040)	ND(0.051)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-07-04	RFI-07-05	RFI-07-05	RFI-07-05	RFI-07-06	RFI-07-06	RFI-07-07	RFI-07-07	RFI-07-07	RFI-07-08	RFI-07-08	RFI-07-08
Sample Depth(feet):	4-6	1-3	5-7	9-11	0.5-2.5	6.5-8.5	0.5-2.5	14.5-16.5	8.5-10.5	0-2	10-12	8-10
Date Collected:	06/14/01	06/14/01	06/14/01	06/14/01	07/20/01	07/20/01	07/20/01	07/20/01	07/20/01	07/30/01	07/30/01	07/30/01
Volatiles												
1,1,1-Trichloroethane	ND(0.043)	ND(0.036)	ND(0.039) [ND(0.040)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.046)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.037)
1,1,2,2-Tetrachloroethane	ND(0.086) J	ND(0.072) J	ND(0.077) J [ND(0.080)]	ND(0.077) J	ND(0.072)	ND(0.081)	ND(0.076)	ND(0.092)	ND(0.075)	ND(0.073)	ND(0.074)	ND(0.074)
1,1,2-Trichloroethane	ND(0.043)	ND(0.036)	ND(0.039) [ND(0.040)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.046)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.037)
1,1-Dichloroethane	ND(0.043)	ND(0.036)	ND(0.039) [ND(0.040)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.046)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.037)
1,1-Dichloroethene	ND(0.043)	ND(0.036)	ND(0.039) [ND(0.040)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.046)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.037)
1,2,4-Trichlorobenzene	ND(0.18) J	ND(0.15) J	ND(0.17) J [ND(0.17) J]	ND(0.16) J	ND(0.15)	ND(0.17)	ND(0.16)	ND(0.20)	ND(0.16)	ND(0.16) J	ND(0.16)	ND(0.16) J
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.18) J	ND(0.15) J	ND(0.17) J [ND(0.17) J]	ND(0.16) J	ND(0.15)	ND(0.17)	ND(0.16)	ND(0.20)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)
1,2-Dibromoethane (EDB)	ND(0.18)	ND(0.15)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.16)	ND(0.20)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)
1,2-Dichlorobenzene	ND(0.086)	ND(0.072)	ND(0.077) [ND(0.080)]	ND(0.077)	ND(0.072)	ND(0.081)	ND(0.076)	ND(0.092)	ND(0.075)	ND(0.073)	ND(0.074)	ND(0.074)
1,2-Dichloroethane	ND(0.043)	ND(0.036)	ND(0.039) [ND(0.040)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.046)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.037)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.043)	ND(0.036)	ND(0.039) [ND(0.040)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.046)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.037)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.086)	ND(0.072)	ND(0.077) [ND(0.080)]	ND(0.077)	ND(0.072)	ND(0.081)	ND(0.076)	ND(0.092)	ND(0.075)	ND(0.073)	ND(0.074)	ND(0.074)
1,4-Dichlorobenzene	ND(0.086)	ND(0.072)	ND(0.077) [ND(0.080)]	ND(0.077)	ND(0.072)	ND(0.081)	ND(0.076)	ND(0.092)	ND(0.075)	ND(0.073)	ND(0.074)	ND(0.074)
2-Butanone	ND(0.31) J	ND(0.26) J	ND(0.28) J [ND(0.29)]	ND(0.27) J	ND(0.26) J	ND(0.29) J	ND(0.27)	ND(0.33)	ND(0.27)	0.026 J	ND(0.26)	ND(0.27)
2-Hexanone	ND(0.31)	ND(0.26)	ND(0.28) [ND(0.29)]	ND(0.27)	ND(0.26)	ND(0.29)	ND(0.27)	ND(0.33)	ND(0.27)	ND(0.26)	ND(0.26)	ND(0.27)
4-Methyl-2-pentanone	ND(0.31)	ND(0.26)	ND(0.28) [ND(0.29)]	ND(0.27)	ND(0.26)	ND(0.29)	ND(0.27)	ND(0.33)	ND(0.27)	ND(0.26)	ND(0.26)	ND(0.27)
Acetone	ND(0.31)	ND(0.26)	ND(0.28) [ND(0.29)]	ND(0.27)	ND(0.26) J	ND(0.29) J	ND(0.27) J	ND(0.33) J	ND(0.27) J	ND(0.26) J	ND(0.26)	ND(0.27) J
Benzene	ND(0.043)	ND(0.036)	ND(0.039) [ND(0.040)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.046)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.037)
Benzene, isopropyl	ND(0.18)	ND(0.15)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.16)	ND(0.20)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)
Bromodichloromethane	ND(0.086)	ND(0.072)	ND(0.077) [ND(0.080)]	ND(0.077)	ND(0.072)	ND(0.081)	ND(0.076)	ND(0.092)	ND(0.075)	ND(0.073)	ND(0.074)	ND(0.074)
Bromoform	ND(0.086)	ND(0.072)	ND(0.077) [ND(0.080)]	ND(0.077)	ND(0.072)	ND(0.081)	ND(0.076)	ND(0.092)	ND(0.075)	ND(0.073)	ND(0.074)	ND(0.074)
Bromomethane	ND(0.18)	ND(0.15)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.16)	ND(0.20)	ND(0.16)	ND(0.16)	ND(0.16) J	ND(0.16)
Carbon disulfide	ND(0.18)	ND(0.15)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.16)	ND(0.20)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)
Carbon tetrachloride	ND(0.043)	ND(0.036)	ND(0.039) [ND(0.040)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.046)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.037)
Chlorobenzene	ND(0.043)	ND(0.036)	ND(0.039) [ND(0.040)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.046)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.037)
Chloroethane	ND(0.18)	ND(0.15)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.16)	ND(0.20)	ND(0.16)	ND(0.16)	ND(0.16) J	ND(0.16)
Chloroform	ND(0.043)	ND(0.036)	ND(0.039) [ND(0.040)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.046)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.037)
Chloromethane	ND(0.18)	ND(0.15)	ND(0.17) [ND(0.17) J]	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.16)	ND(0.20)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)
cis-1,2-Dichloroethene	ND(0.043)	ND(0.036)	ND(0.039) [ND(0.040)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.046)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.037)
cis-1,3-Dichloropropene	ND(0.043)	ND(0.036)	ND(0.039) [ND(0.040)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.046)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.037)
Cyclohexane	ND(0.18)	ND(0.15)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.16) J	ND(0.20) J	ND(0.16) J	ND(0.16)	ND(0.16)	ND(0.16)
Dibromochloromethane	ND(0.086)	ND(0.072)	ND(0.077) [ND(0.080)]	ND(0.077)	ND(0.072)	ND(0.081)	ND(0.076)	ND(0.092)	ND(0.075)	ND(0.073)	ND(0.074)	ND(0.074)
Dichlorodifluoromethane (CFC-12)	ND(0.086)	ND(0.072)	ND(0.077) [ND(0.080)]	ND(0.077)	ND(0.072)	ND(0.081)	ND(0.076)	ND(0.092)	ND(0.075)	ND(0.073)	ND(0.074)	ND(0.074)
Ethylbenzene	ND(0.043)	ND(0.036)	ND(0.039) [ND(0.040)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.046)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.037)
m&p-Xylene	ND(0.086)	ND(0.072)	ND(0.077) [ND(0.080)]	ND(0.077)	ND(0.072)	ND(0.081)	ND(0.076)	ND(0.092)	ND(0.075)	0.030 J	ND(0.074)	ND(0.074)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-07-04	RFI-07-05	RFI-07-05	RFI-07-05	RFI-07-06	RFI-07-06	RFI-07-07	RFI-07-07	RFI-07-07	RFI-07-08	RFI-07-08	RFI-07-08
Sample Depth(feet):	4-6	1-3	5-7	9-11	0.5-2.5	6.5-8.5	0.5-2.5	14.5-16.5	8.5-10.5	0-2	10-12	8-10
Date Collected:	06/14/01	06/14/01	06/14/01	06/14/01	07/20/01	07/20/01	07/20/01	07/20/01	07/20/01	07/30/01	07/30/01	07/30/01
Methyl acetate	ND(0.18)	ND(0.15)	ND(0.17) [ND(0.17)]	ND(0.16)	0.038 J	ND(0.17) J	ND(0.16)	ND(0.20)	ND(0.16)	0.053 J	ND(0.16)	ND(0.16)
Methyl Tert Butyl Ether	ND(0.31)	ND(0.26)	ND(0.28) [ND(0.29)]	ND(0.27)	ND(0.26)	ND(0.29)	ND(0.27)	ND(0.33)	ND(0.27)	ND(0.26)	ND(0.26)	ND(0.27)
Methylcyclohexane	ND(0.18)	ND(0.15)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.16)	ND(0.20)	ND(0.16)	0.083 J	ND(0.16)	ND(0.16)
Methylene chloride	ND(0.18)	ND(0.15)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.16)	ND(0.20)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)
o-Xylene	ND(0.043)	ND(0.036)	ND(0.039) [ND(0.040)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.046)	ND(0.038)	0.029 J	ND(0.037)	ND(0.037)
Styrene	ND(0.043)	ND(0.036)	ND(0.039) [ND(0.040)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.046)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.037)
Tetrachloroethene	ND(0.043)	ND(0.036)	ND(0.039) [ND(0.040)]	ND(0.038)	0.23	0.23	ND(0.038)	ND(0.046)	ND(0.038)	ND(0.036)	ND(0.037) J	ND(0.037)
Toluene	ND(0.043)	ND(0.036)	ND(0.039) [ND(0.040)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.046)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.037)
trans-1,2-Dichloroethene	ND(0.043)	ND(0.036)	ND(0.039) [ND(0.040)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.046)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.037)
trans-1,3-Dichloropropene	ND(0.043)	ND(0.036)	ND(0.039) [ND(0.040)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.046)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.037)
Trichloroethene	ND(0.043)	ND(0.036)	ND(0.039) [ND(0.040)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.046)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.037)
Trichlorofluoromethane (CFC-11)	ND(0.086)	ND(0.072)	ND(0.077) [ND(0.080)]	ND(0.077)	ND(0.072)	ND(0.081)	ND(0.076)	ND(0.092)	ND(0.075)	ND(0.073)	ND(0.074)	ND(0.074)
Trifluorotrichloroethane (Freon 113)	ND(0.18)	ND(0.15)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.16)	ND(0.20)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)
Vinyl chloride	ND(0.043)	ND(0.036)	ND(0.039) [ND(0.040)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.046)	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.037)
Xylenes (total)	ND(0.086)	ND(0.072)	ND(0.077) [ND(0.080)]	ND(0.077)	ND(0.072)	ND(0.081)	ND(0.076)	ND(0.092)	ND(0.075)	0.059	ND(0.074)	ND(0.074)
Semivolatiles												
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
2,4,6-Trichlorophenol	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
2,4-Dichlorophenol	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	0.034 J	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
2,4-Dimethylphenol	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	0.030 J	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
2,4-Dinitrophenol	ND(0.84)	ND(0.70)	ND(0.75) [ND(0.76)]	ND(0.73)	ND(0.69) J	ND(0.77)	ND(0.73) J	ND(0.86) J	ND(0.71)	ND(0.69)	ND(0.70)	ND(0.70)
2,4-Dinitrotoluene	ND(0.84)	ND(0.70)	ND(0.75) [ND(0.76)]	ND(0.73)	ND(0.69)	ND(0.77)	ND(0.73)	ND(0.86) J	ND(0.71)	ND(0.69)	ND(0.70)	ND(0.70)
2,6-Dinitrotoluene	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
2-Chloronaphthalene	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
2-Chlorophenol	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
2-Methyl naphthalene	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
2-Methylphenol	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18) J	0.056 J	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
2-Nitroaniline	ND(0.84)	ND(0.70)	ND(0.75) [ND(0.76)]	ND(0.73)	ND(0.69)	ND(0.77)	ND(0.73)	ND(0.86) J	ND(0.71)	ND(0.69)	ND(0.70)	ND(0.70)
2-Nitrophenol	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	0.029 J	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
3&4-Methylphenol	ND(0.43)	ND(0.36)	ND(0.38) [ND(0.38)]	ND(0.37)	ND(0.35) J	ND(0.39) J	ND(0.37) J	ND(0.44) J	ND(0.36) J	ND(0.35) J	ND(0.35) J	ND(0.35) J
3,3-Dichlorobenzidine	ND(0.84)	ND(0.70)	ND(0.75) [ND(0.76)]	ND(0.73)	ND(0.69)	ND(0.77)	ND(0.73)	ND(0.86) J	ND(0.71)	ND(0.69)	ND(0.70)	ND(0.70)
3-Nitroaniline	ND(0.84)	ND(0.70)	ND(0.75) [ND(0.76)]	ND(0.73)	ND(0.69)	ND(0.77)	ND(0.73)	ND(0.86) J	ND(0.71)	ND(0.69)	ND(0.70)	ND(0.70)
4,6-Dinitro-2-methylphenol	ND(0.84)	ND(0.70)	ND(0.75) [ND(0.76)]	ND(0.73)	ND(0.69)	ND(0.77)	ND(0.73) J	ND(0.86) J	ND(0.71)	ND(0.69)	ND(0.70)	ND(0.70)
4-Bromophenyl phenyl ether	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
4-Chloro-3-methylphenol	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-07-04	RFI-07-05	RFI-07-05	RFI-07-05	RFI-07-06	RFI-07-06	RFI-07-07	RFI-07-07	RFI-07-07	RFI-07-08	RFI-07-08	RFI-07-08
Sample Depth(feet):	4-6	1-3	5-7	9-11	0.5-2.5	6.5-8.5	0.5-2.5	14.5-16.5	8.5-10.5	0-2	10-12	8-10
Date Collected:	06/14/01	06/14/01	06/14/01	06/14/01	07/20/01	07/20/01	07/20/01	07/20/01	07/20/01	07/30/01	07/30/01	07/30/01
4-Chloroaniline	ND(0.84)	ND(0.70)	ND(0.75) [ND(0.76)]	ND(0.73)	ND(0.69)	ND(0.77)	ND(0.73)	ND(0.86)	ND(0.71)	ND(0.69)	ND(0.70)	ND(0.70)
4-Chlorophenyl phenyl ether	ND(0.84)	ND(0.70)	ND(0.75) [ND(0.76)]	ND(0.73)	ND(0.69) J	ND(0.77) J	ND(0.73) J	ND(0.86) J	ND(0.71) J	ND(0.69) J	ND(0.70) J	ND(0.70) J
4-Nitroaniline	ND(0.84)	ND(0.70)	ND(0.75) [ND(0.76)]	ND(0.73)	ND(0.69) J	ND(0.77)	ND(0.73)	ND(0.86) J	ND(0.71)	ND(0.69)	ND(0.70)	ND(0.70)
4-Nitrophenol	ND(0.84)	ND(0.70)	ND(0.75) [ND(0.76)]	ND(0.73)	ND(0.69)	ND(0.77)	ND(0.73) J	ND(0.86) J	ND(0.71)	ND(0.69)	ND(0.70)	ND(0.70)
Acenaphthene	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Acenaphthylene	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Acetophenone	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	0.030 J	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Anthracene	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Atrazine	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Benzaldehyde	ND(0.21) J	ND(0.18) J	ND(0.19) J [ND(0.19) J]	ND(0.19) J	ND(0.18) J	ND(0.20) J	ND(0.19) J	ND(0.22) J	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.18)
Benzo(a)anthracene	ND(0.21)	0.039 J	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	0.042 J	ND(0.18)	ND(0.18)
Benzo(a)pyrene	ND(0.21)	0.038 J	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	0.048 J	ND(0.18)	ND(0.18)
Benzo(b)fluoranthene	ND(0.21)	0.13 J	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	0.049 J	ND(0.18)	ND(0.18)
Benzo(g,h,i)perylene	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Benzo(k)fluoranthene	ND(0.21)	0.13 J	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	0.060 J	ND(0.18)	ND(0.18)
Biphenyl	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	0.18 J	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
bis(2-Chloroethoxy)methane	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
bis(2-Chloroethyl)ether	ND(0.042)	ND(0.035)	ND(0.037) [ND(0.037)]	ND(0.036)	ND(0.034)	ND(0.038)	ND(0.036)	ND(0.042)	ND(0.035)	ND(0.034)	ND(0.034)	ND(0.034)
bis(2-Chloroisopropyl)ether	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
bis(2-Ethylhexyl)phthalate	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	0.058 J	ND(0.18)	ND(0.18)
Butyl benzylphthalate	ND(0.21)	ND(0.18)	ND(0.19) [0.049 J]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Caprolactam	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18) J	ND(0.20)	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Carbazole	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Chrysene	ND(0.21)	0.042 J	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	0.057 J	ND(0.18)	ND(0.18)
Di-n-butylphthalate	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Di-n-octyl phthalate	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Dibenzo(a,h)anthracene	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Dibenzofuran	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Diethyl phthalate	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Dimethyl phthalate	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	0.028 J	ND(0.19)	ND(0.22) J	ND(0.18)	1.4	ND(0.18)	ND(0.18)
Fluoranthene	ND(0.21)	0.060 J	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Fluorene	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	0.10 J	ND(0.18)	ND(0.18)
Hexachlorobenzene	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Hexachlorobutadiene	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Hexachlorocyclopentadiene	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Hexachloroethane	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Indeno(1,2,3-cd)pyrene	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Isophorone	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Methylphenols, Total	ND(0.43)	ND(0.36)	ND(0.38) [ND(0.38)]	ND(0.37)	ND(0.35)	0.056	ND(0.37)	ND(0.44)	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-07-04	RFI-07-05	RFI-07-05	RFI-07-05	RFI-07-06	RFI-07-06	RFI-07-07	RFI-07-07	RFI-07-07	RFI-07-08	RFI-07-08	RFI-07-08
Sample Depth(feet):	4-6	1-3	5-7	9-11	0.5-2.5	6.5-8.5	0.5-2.5	14.5-16.5	8.5-10.5	0-2	10-12	8-10
Date Collected:	06/14/01	06/14/01	06/14/01	06/14/01	07/20/01	07/20/01	07/20/01	07/20/01	07/20/01	07/30/01	07/30/01	07/30/01
N-Nitrosodi-n-propylamine	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
N-Nitrosodiphenylamine	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Naphthalene	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	0.023 J	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Nitrobenzene	ND(0.084)	ND(0.070)	ND(0.075) [ND(0.076)]	ND(0.073)	ND(0.069)	ND(0.077)	ND(0.073)	ND(0.086)	ND(0.071)	ND(0.069)	ND(0.070)	ND(0.070)
Pentachlorophenol	ND(0.84)	ND(0.70)	ND(0.75) [ND(0.76)]	ND(0.73)	ND(0.69)	ND(0.77)	ND(0.73)	ND(0.86) J	ND(0.71)	ND(0.69)	ND(0.70)	ND(0.70)
Phenanthrene	ND(0.21)	0.039 J	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	0.048 J	ND(0.18)	ND(0.18)
Phenol	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)
Pyrene	ND(0.21)	0.068 J	ND(0.19) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.22) J	ND(0.18)	0.088 J	ND(0.18)	ND(0.18)
Inorganics												
Antimony	0.040 J	0.060 J	0.039 J [0.030 J]	0.13 J	ND(0.20) J	ND(0.27) J	ND(0.22) J	ND(0.24) J	ND(0.24)	0.14 J	ND(0.19) J	ND(0.19) J
Arsenic	12(RDC)	5.7	2.3 [2.8]	2.7	3.4	3.1	4.1	4.4	28(RDC)	6.5	4.8	6.7
Barium	76 J	21 J	11 J [19 J]	13 J	11 J	9.9 J	18 J	9.1 J	20	56 J	7.5 J	6.0 J
Beryllium	0.61	0.18 J	0.17 J [0.24 J]	0.14	0.14	0.14	0.19	0.14	0.11	0.35	0.08	0.061 J
Cadmium	0.14	0.22	0.12 [0.12]	0.15	0.11	0.099	0.16	0.093	0.055	0.35	0.047	0.053
Chromium	22	9.6	7 [9.8]	5.7	6.2 J	5.3 J	10 J	5.0 J	4.5	27 J	4.3 J	4.0 J
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	10	3.1	3.3 [4.5]	3.2	2.4	2.4	3.7	2.3	2.5	5.3	1.7	1.8
Copper	21	10	10 [11]	8.5	6.7 J	7.8 J	7.9 J	5.8 J	4.8	13 J	5.2 J	4.8 J
Cyanide (total)	0.040 J	0.080 J	0.052 J [0.13 J]	0.065 J	0.20 R	0.20 R	0.013 J	0.20 R	ND(0.20)	0.039 J	ND(0.20)	ND(0.20)
Lead	12 J	14 J	5.2 J [6.1 J]	4.4 J	12 J	4.1 J	5.1 J	4.0 J	3.3	36	2.9	2.8
Manganese	510 J	290 J	110 J [150 J]	150 J	160 J	100 J	220 J	110 J	170	730	130	75
Mercury	ND(0.084)	ND(0.073)	ND(0.077) [ND(0.078)]	ND(0.075)	ND(0.070)	ND(0.078)	ND(0.076)	ND(0.086)	0.030 J	0.036 J	ND(0.070)	ND(0.071)
Nickel	27	13	9.3 [12]	8.4	8	7.1	12	6.6	5.9	13 J	5.6 J	4.9 J
Selenium	ND(0.11)	0.44 J	0.20 J [0.15 J]	0.35	ND(0.19)	ND(0.31)	ND(0.25)	ND(0.26)	ND(0.098)	0.50 J	ND(0.074)	0.059 J
Silver	ND(0.86)	ND(0.30)	ND(0.23) [ND(0.26)]	ND(1.0)	0.035 J	0.11 J	0.051 J	0.063 J	0.055 J	0.045 J	0.024 J	0.0033 J
Thallium	0.24 J	0.13 J	0.058 J [0.077 J]	0.074 J	0.083 J	0.099 J	0.11 J	0.043 J	0.048 J	0.12 J	0.030 J	0.037 J
Vanadium	35	12	12 [15]	10	8.8	9.8	14	8.8	7.2	23	6.9	7
Zinc	45 J	40 J	31 J [32 J]	31 J	26 J	31 J	33 J	29 J	22	56	15	17
PCBs												
Aroclor-1016	ND(0.044)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.045)	ND(0.037)	ND(0.036)	ND(0.036)	ND(0.036)
Aroclor-1221	ND(0.044)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.045)	ND(0.037)	ND(0.036)	ND(0.036)	ND(0.036)
Aroclor-1232	ND(0.044)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.045)	ND(0.037)	ND(0.036)	ND(0.036)	ND(0.036)
Aroclor-1242	ND(0.044)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.045)	ND(0.037)	ND(0.036)	ND(0.036)	ND(0.036)
Aroclor-1248	ND(0.044)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.045)	ND(0.037)	ND(0.036)	ND(0.036)	ND(0.036)
Aroclor-1254	ND(0.044)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.038)	0.027 J	ND(0.040)	ND(0.038)	ND(0.045)	ND(0.037)	ND(0.036)	ND(0.036)	ND(0.036)
Aroclor-1260	ND(0.044)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.038)	ND(0.045)	ND(0.037)	ND(0.036)	ND(0.036)	ND(0.036)
Total PCBs	ND(0.044)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.038)	0.027	ND(0.040)	ND(0.038)	ND(0.045)	ND(0.037)	ND(0.036)	ND(0.036)	ND(0.036)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-07-09	RFI-09-01	RFI-09-02	RFI-09-02	RFI-09-03	RFI-09-03	RFI-09-04	RFI-09-04
Sample Depth(feet):	0-2	1-3	0.4-2	2-4	0.4-2	2-4	0-2	2-4
Date Collected:	06/14/01	05/29/01	05/16/01	05/16/01	05/16/01	05/16/01	05/30/01	05/30/01
Volatiles								
1,1,1-Trichloroethane	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.039)
1,1,2,2-Tetrachloroethane	ND(0.081) J	ND(0.085)	ND(0.075)	ND(0.083)	ND(0.078)	ND(0.079)	ND(0.077)	ND(0.078)
1,1,2-Trichloroethane	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.039)
1,1-Dichloroethane	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.039)
1,1-Dichloroethene	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.039)
1,2,4-Trichlorobenzene	ND(0.17) J	ND(0.18)	0.98	ND(0.18)	0.62	ND(0.17)	ND(0.16) J	ND(0.17) J
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17) J	ND(0.18)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16) J	ND(0.17) J
1,2-Dibromoethane (EDB)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)
1,2-Dichlorobenzene	ND(0.081)	ND(0.085)	0.0086 J	ND(0.083)	ND(0.078)	ND(0.079)	ND(0.077)	ND(0.078)
1,2-Dichloroethane	ND(0.041)	0.015 J	0.0081 J	0.0089 J	ND(0.039)	ND(0.039)	0.014 J	0.015 J
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.039)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.081)	ND(0.085)	0.14	ND(0.083)	ND(0.078)	ND(0.079)	ND(0.077)	ND(0.078)
1,4-Dichlorobenzene	ND(0.081)	ND(0.085)	0.11	ND(0.083)	ND(0.078)	ND(0.079)	ND(0.077)	ND(0.078)
2-Butanone	ND(0.29) J	ND(0.30) J	0.053 J	ND(0.30)	ND(0.28)	ND(0.28)	ND(0.27) J	ND(0.28) J
2-Hexanone	ND(0.29)	ND(0.30)	ND(0.27)	ND(0.30)	ND(0.28)	ND(0.28)	ND(0.27)	ND(0.28)
4-Methyl-2-pentanone	ND(0.29)	ND(0.30)	ND(0.27)	ND(0.30)	ND(0.28)	ND(0.28)	ND(0.27)	ND(0.28)
Acetone	ND(0.29)	ND(0.30) J	0.29	ND(0.30)	ND(0.28)	ND(0.28)	ND(0.27) J	ND(0.28) J
Benzene	ND(0.041)	ND(0.043)	0.0070 J	0.039 J	0.029 J	ND(0.039)	ND(0.038)	0.064
Benzene, isopropyl	ND(0.17)	ND(0.18)	ND(0.16)	0.026 J	0.012 J	ND(0.17)	ND(0.16)	0.030 J
Bromodichloromethane	ND(0.081)	ND(0.085)	ND(0.075)	ND(0.083)	ND(0.078)	ND(0.079)	ND(0.077)	ND(0.078)
Bromoform	ND(0.081)	ND(0.085)	ND(0.075)	ND(0.083)	ND(0.078)	ND(0.079)	ND(0.077)	ND(0.078)
Bromomethane	ND(0.17)	ND(0.18)	ND(0.16) J	ND(0.18) J	ND(0.17) J	ND(0.17) J	ND(0.16)	ND(0.17)
Carbon disulfide	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)
Carbon tetrachloride	ND(0.041)	0.054	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.039)
Chlorobenzene	ND(0.041)	ND(0.043)	0.017 J	ND(0.042)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.039)
Chloroethane	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)
Chloroform	ND(0.041)	0.016 J	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.039)
Chloromethane	ND(0.17)	ND(0.18)	0.033 J	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)
cis-1,2-Dichloroethene	ND(0.041)	ND(0.043)	0.11 J	ND(0.042) J	ND(0.039) J	ND(0.039) J	ND(0.038)	ND(0.039)
cis-1,3-Dichloropropene	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.039)
Cyclohexane	ND(0.17)	ND(0.18)	0.016 J	ND(0.18) J	0.054 J	ND(0.17) J	ND(0.16)	ND(0.17)
Dibromochloromethane	ND(0.081)	ND(0.085)	ND(0.075)	ND(0.083)	ND(0.078)	ND(0.079)	ND(0.077)	ND(0.078)
Dichlorodifluoromethane (CFC-12)	ND(0.081)	ND(0.085)	ND(0.075)	ND(0.083)	ND(0.078)	ND(0.079)	ND(0.077)	ND(0.078)
Ethylbenzene	ND(0.041)	ND(0.043)	0.013 J	0.035 J	0.032 J	ND(0.039)	0.015 J	0.059
m&p-Xylene	0.068 J	ND(0.085)	0.077	0.14	0.14	ND(0.079)	0.055 J	0.16

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-07-09	RFI-09-01	RFI-09-02	RFI-09-02	RFI-09-03	RFI-09-03	RFI-09-04	RFI-09-04
Sample Depth(feet):	0-2	1-3	0.4-2	2-4	0.4-2	2-4	0-2	2-4
Date Collected:	06/14/01	05/29/01	05/16/01	05/16/01	05/16/01	05/16/01	05/30/01	05/30/01
Methyl acetate	ND(0.17)	ND(0.18)	0.059 J	ND(0.18)	0.021 J	ND(0.17)	ND(0.16)	ND(0.17)
Methyl Tert Butyl Ether	ND(0.29)	ND(0.30)	ND(0.27)	ND(0.30)	ND(0.28)	ND(0.28)	ND(0.27)	ND(0.28)
Methylcyclohexane	0.044 J	0.043 J	0.048 J	0.28	0.19	ND(0.17)	0.066 J	0.15 J
Methylene chloride	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)
o-Xylene	0.034 J	0.012 J	0.032 J	0.1	0.082	ND(0.039)	0.030 J	0.12
Styrene	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.039)
Tetrachloroethene	ND(0.041)	0.17	0.097	0.32	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.039) J
Toluene	0.052	ND(0.043)	0.04	ND(0.13)	ND(0.17)	ND(0.039)	0.045	0.29
trans-1,2-Dichloroethene	ND(0.041)	ND(0.043)	0.0091 J	ND(0.042)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.039)
trans-1,3-Dichloropropene	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.039)
Trichloroethene	ND(0.041)	0.11	0.15	0.17	0.075	ND(0.039)	ND(0.038) J	0.017 J
Trichlorofluoromethane (CFC-11)	ND(0.081)	ND(0.085)	0.026 J	ND(0.083)	ND(0.078)	ND(0.079)	ND(0.077)	ND(0.078)
Trifluorotrichloroethane (Freon 113)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)
Vinyl chloride	ND(0.041)	ND(0.043)	0.047(RSVIA)	0.021 J	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.039)
Xylenes (total)	0.1	0.012	0.11	0.24	0.22	ND(0.079)	0.085	0.28
Semivolatiles								
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
2,4,6-Trichlorophenol	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
2,4-Dichlorophenol	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
2,4-Dimethylphenol	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
2,4-Dinitrophenol	ND(0.78)	ND(0.81)	ND(14) J	ND(0.81) J	ND(37) J	ND(0.75) J	ND(0.72)	ND(0.76)
2,4-Dinitrotoluene	ND(0.78)	ND(0.81)	ND(14)	ND(0.81)	ND(37)	ND(0.75)	ND(0.72)	ND(0.76)
2,6-Dinitrotoluene	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
2-Chloronaphthalene	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
2-Chlorophenol	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
2-Methyl naphthalene	0.17 J	ND(0.21)	ND(3.6)	0.36	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
2-Methylphenol	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
2-Nitroaniline	ND(0.78)	ND(0.81)	ND(14)	ND(0.81)	ND(37)	ND(0.75)	ND(0.72)	ND(0.76)
2-Nitrophenol	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
3&4-Methylphenol	ND(0.40)	ND(0.41)	ND(7.2)	ND(0.41)	ND(19)	ND(0.38)	ND(0.37)	ND(0.39)
3,3-Dichlorobenzidine	ND(0.78)	ND(0.81)	ND(14)	ND(0.81)	ND(37)	ND(0.75)	ND(0.72) J	ND(0.76)
3-Nitroaniline	ND(0.78)	ND(0.81)	ND(14)	ND(0.81)	ND(37)	ND(0.75)	ND(0.72)	ND(0.76)
4,6-Dinitro-2-methylphenol	ND(0.78)	ND(0.81)	ND(14)	ND(0.81)	ND(37) J	ND(0.75) J	ND(0.72)	ND(0.76)
4-Bromophenyl phenyl ether	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
4-Chloro-3-methylphenol	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-07-09	RFI-09-01	RFI-09-02	RFI-09-02	RFI-09-03	RFI-09-03	RFI-09-04	RFI-09-04
Sample Depth(feet):	0-2	1-3	0.4-2	2-4	0.4-2	2-4	0-2	2-4
Date Collected:	06/14/01	05/29/01	05/16/01	05/16/01	05/16/01	05/16/01	05/30/01	05/30/01
4-Chloroaniline	ND(0.78)	ND(0.81)	ND(14)	ND(0.81)	ND(37)	ND(0.75)	ND(0.72)	ND(0.76)
4-Chlorophenyl phenyl ether	ND(0.78)	ND(0.81)	ND(14)	ND(0.81)	ND(37)	ND(0.75)	ND(0.72)	ND(0.76)
4-Nitroaniline	ND(0.78)	ND(0.81)	ND(14)	ND(0.81)	ND(37)	ND(0.75)	ND(0.72)	ND(0.76)
4-Nitrophenol	ND(0.78)	ND(0.81)	ND(14)	ND(0.81)	ND(37)	ND(0.75)	ND(0.72)	ND(0.76)
Acenaphthene	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	2.3 J	ND(0.19)	ND(0.18)	ND(0.19)
Acenaphthylene	ND(0.20)	0.086 J	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	0.072 J
Acetophenone	ND(0.20)	ND(0.21) J	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
Anthracene	ND(0.20)	0.040 J	ND(3.6)	0.079 J	16	ND(0.19)	0.066 J	ND(0.19)
Atrazine	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
Benzaldehyde	ND(0.20) J	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
Benzo(a)anthracene	0.056 J	0.61	1.0 J	0.17 J	50(RDC)	0.048 J	0.20 J	0.47
Benzo(a)pyrene	0.047 J	0.53	1.5 J	0.15 J	57 J(RDC,IDC)	0.052 J	0.20 J	0.71
Benzo(b)fluoranthene	0.15 J	0.6	1.6 J	0.14 J	57 J(RDC)	0.045 J	0.20 J	0.65
Benzo(g,h,i)perylene	ND(0.20) J	0.41	3.6 R	ND(0.20) J	21 J	ND(0.19) J	0.20 J	0.3
Benzo(k)fluoranthene	0.15 J	0.54	1.4 J	0.13 J	53 J	0.041 J	0.17 J	0.66
Biphenyl	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
bis(2-Chloroethoxy)methane	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
bis(2-Chloroethyl)ether	ND(0.038)	ND(0.040) J	ND(0.70)	ND(0.040)	ND(1.8)	ND(0.037)	ND(0.036)	ND(0.038)
bis(2-Chloroisopropyl)ether	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
bis(2-Ethylhexyl)phthalate	ND(0.20)	ND(0.21)	1.3 J	ND(0.20)	ND(9.4)	ND(0.19)	0.096 J	ND(0.19)
Butyl benzylphthalate	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	0.12 J	ND(0.19)
Caprolactam	ND(0.20)	ND(0.21) J	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
Carbazole	ND(0.20)	0.086 J	ND(3.6)	ND(0.20)	2.3 J	ND(0.19)	ND(0.18)	ND(0.19)
Chrysene	0.071 J	0.74	1.2 J	0.17 J	49	0.051 J	0.21 J	0.5
Di-n-butylphthalate	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
Di-n-octyl phthalate	ND(0.20)	ND(0.21)	3.6 R	ND(0.20)	ND(9.4) J	ND(0.19) J	ND(0.18) J	ND(0.19)
Dibenzo(a,h)anthracene	ND(0.20)	0.14 J	3.6 R	ND(0.20)	11 J(RDC,IDC)	ND(0.19) J	ND(0.18) J	ND(0.19)
Dibenzofuran	ND(0.20)	ND(0.21)	ND(3.6)	0.073 J	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
Diethyl phthalate	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
Dimethyl phthalate	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
Fluoranthene	0.11 J	1.2	1.9 J	0.32	110	0.14 J	0.35	0.51
Fluorene	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	3.1 J	ND(0.19)	ND(0.18)	ND(0.19)
Hexachlorobenzene	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
Hexachlorobutadiene	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
Hexachlorocyclopentadiene	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
Hexachloroethane	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
Indeno(1,2,3-cd)pyrene	ND(0.20)	0.39	3.6 R	0.083 J	22 J(RDC)	ND(0.19) J	0.15 J	0.32
Isophorone	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19) J
Methylphenols, Total	ND(0.40)	ND(0.41)	ND(7.2)	ND(0.41)	ND(19)	ND(0.38)	ND(0.37)	ND(0.39)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-07-09	RFI-09-01	RFI-09-02	RFI-09-02	RFI-09-03	RFI-09-03	RFI-09-04	RFI-09-04
Sample Depth(feet):	0-2	1-3	0.4-2	2-4	0.4-2	2-4	0-2	2-4
Date Collected:	06/14/01	05/29/01	05/16/01	05/16/01	05/16/01	05/16/01	05/30/01	05/30/01
N-Nitrosodi-n-propylamine	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
N-Nitrosodiphenylamine	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
Naphthalene	0.17 J	ND(0.21)	ND(3.6)	0.22	ND(9.4)	ND(0.19)	0.056 J	ND(0.19)
Nitrobenzene	ND(0.078)	ND(0.081)	ND(1.4)	ND(0.081)	ND(3.7)	ND(0.075)	ND(0.072)	ND(0.076)
Pentachlorophenol	ND(0.78)	ND(0.81)	ND(14)	ND(0.81)	ND(37)	ND(0.75)	ND(0.72)	ND(0.76)
Phenanthrene	0.091 J	0.20 J	1.3 J	0.41	46	0.055 J	0.32	0.083 J
Phenol	ND(0.20)	ND(0.21)	ND(3.6)	ND(0.20)	ND(9.4)	ND(0.19)	ND(0.18)	ND(0.19)
Pyrene	0.089 J	1.6	2.7 J	0.47	110	0.10 J	0.51 J	0.55
Inorganics								
Antimony	0.14 J	0.63 J	0.29 J	0.41 R	0.34 J	0.37 R	0.42 R	ND(0.40)
Arsenic	4.6	0.68 J	4.7	5.9	10(RDC)	3.5	2.8	5.1
Barium	56 J	110 J	63 J	80 J	110 J	26 J	35	270
Beryllium	0.51	0.73 J	0.33	0.4	0.85	0.25	0.47	0.32
Cadmium	0.42	3.1 J	0.68	0.32	0.5	0.083	0.25	5.7
Chromium	18	60 J	15	4.7	10	9.8	35	80
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	28	12 J	3.4 J	2.0 J	4.5 J	3.1 J	2.2	6
Copper	28	2,500 DJ	84 J	15 J	66 J	5.6 J	19	97
Cyanide (total)	0.059 J	0.32	0.024 J	ND(0.20)	0.0036 J	0.014 J	0.13 J	0.14 J
Lead	81 J	120,000 DJ(RPSIC,RDC,IPSIC,IDC)	6,900 J(RDC,IDC)	3,100 J(RDC,IDC)	370 J	8.5 J	32	270
Manganese	900 J	630	320	100	310	140	910	8,300(RPSIC,IPSIC)
Mercury	0.085	2.3	0.67	0.072 J	0.25	0.028 J	0.020 J	0.067 J
Nickel	37	40 J	14 J	7.7 J	17 J	9.0 J	17	29
Selenium	0.24 J	ND(1.6)	ND(1.6) J	ND(1.7) J	0.52 J	ND(1.5) J	0.58 J	0.54 J
Silver	ND(0.60)	6.7 J	0.31	0.057 J	0.14 J	ND(0.17)	0.14 J	0.37 J
Thallium	0.16 J	0.65 J	0.10 J	ND(0.26)	0.12 J	ND(0.24)	0.10 J	0.33
Vanadium	21	16 J	13	8.7	25	14	5.1	12
Zinc	180 J	ND(4.9)	330 J	150 J	290 J	37 J	39 J	1,600 DJ
PCBs								
Aroclor-1016	ND(0.041)	ND(0.043)	ND(0.37)	ND(0.042)	ND(0.078)	ND(0.039)	ND(0.038)	ND(0.040)
Aroclor-1221	ND(0.041)	ND(0.043)	ND(0.37)	ND(0.042)	ND(0.078)	ND(0.039)	ND(0.038)	ND(0.040)
Aroclor-1232	ND(0.041)	ND(0.043)	ND(0.37)	ND(0.042)	ND(0.078)	ND(0.039)	ND(0.038)	ND(0.040)
Aroclor-1242	ND(0.041)	ND(0.043)	ND(0.37)	ND(0.042)	ND(0.078)	ND(0.039)	ND(0.038)	ND(0.040)
Aroclor-1248	ND(0.041)	ND(0.043)	ND(0.37)	ND(0.042)	ND(0.078)	ND(0.039)	ND(0.038)	ND(0.040)
Aroclor-1254	ND(0.041)	ND(0.043)	ND(0.37)	ND(0.042)	ND(0.078)	ND(0.039)	ND(0.038)	ND(0.040)
Aroclor-1260	ND(0.041)	0.069	7.6	ND(0.042)	2.1	ND(0.039)	0.028 J	ND(0.040)
Total PCBs	ND(0.041)	0.069	7.6	ND(0.042)	2.1	ND(0.039)	0.028	ND(0.040)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-09-05	RFI-09-05	RFI-09-06	RFI-09-06	RFI-09-07	RFI-09-07	RFI-09-08	RFI-09-08	RFI-09-09	RFI-09-09
Sample Depth(feet):	0.5-2	6-8	0.5-2.5	2.5-4.5	1-3	3-5	1-3	5-7	0.7-2.7	4.7-6.7
Date Collected:	05/16/01	05/16/01	05/30/01	05/30/01	05/29/01	05/29/01	05/29/01	05/29/01	05/29/01	05/29/01
Volatiles										
1,1,1-Trichloroethane	ND(0.037) [ND(0.036)]	ND(0.041)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.041) [ND(0.041)]	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)
1,1,2,2-Tetrachloroethane	ND(0.073) [ND(0.072)]	ND(0.083)	ND(0.077)	ND(0.080)	ND(0.077)	ND(0.082) [ND(0.082)]	ND(0.077)	ND(0.081)	ND(0.076)	ND(0.076)
1,1,2-Trichloroethane	ND(0.037) [ND(0.036)]	ND(0.041)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.041) [ND(0.041)]	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)
1,1-Dichloroethane	ND(0.037) [ND(0.036)]	ND(0.041)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.041) [ND(0.041)]	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)
1,1-Dichloroethene	ND(0.037) [ND(0.036)]	ND(0.041)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.041) [ND(0.041)]	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)
1,2,4-Trichlorobenzene	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16) J	ND(0.17) J	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16) J	ND(0.17) J	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)
1,2-Dibromoethane (EDB)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)
1,2-Dichlorobenzene	ND(0.073) [ND(0.072)]	ND(0.083)	ND(0.077)	ND(0.080)	ND(0.077)	ND(0.082) [ND(0.082)]	ND(0.077)	ND(0.081)	ND(0.076)	ND(0.076)
1,2-Dichloroethane	0.0084 J [0.0072 J]	ND(0.041)	ND(0.038)	ND(0.040)	0.015 J	0.016 J [ND(0.041)]	ND(0.039)	0.022 J	0.014 J	0.014 J
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.037) [ND(0.036)]	ND(0.041)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.041) [ND(0.041)]	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.073) [ND(0.072)]	ND(0.083)	ND(0.077)	ND(0.080)	ND(0.077)	ND(0.082) [ND(0.082)]	ND(0.077)	ND(0.081)	ND(0.076)	ND(0.076)
1,4-Dichlorobenzene	ND(0.073) [ND(0.072)]	ND(0.083)	ND(0.077)	ND(0.080)	ND(0.077)	ND(0.082) [ND(0.082)]	ND(0.077)	ND(0.081)	ND(0.076)	ND(0.076)
2-Butanone	0.041 J [0.042 J]	ND(0.29)	ND(0.27)	ND(0.29)	ND(0.28) J	ND(0.29) J [ND(0.29) J]	ND(0.28)	ND(0.29)	ND(0.27) J	ND(0.27) J
2-Hexanone	ND(0.26) [ND(0.26)]	ND(0.29)	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.29) [ND(0.29)]	ND(0.28)	ND(0.29)	ND(0.27)	ND(0.27)
4-Methyl-2-pentanone	ND(0.26) [ND(0.26)]	ND(0.29)	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.29) [ND(0.29)]	ND(0.28)	ND(0.29)	ND(0.27)	ND(0.27)
Acetone	0.074 J [0.088 J]	ND(0.29)	ND(0.27)	ND(0.29)	ND(0.28) J	ND(0.29) [ND(0.29) J]	ND(0.28) J	ND(0.29)	ND(0.27) J	ND(0.27) J
Benzene	0.13 [0.099]	0.024 J	0.055	0.16	0.019 J	0.052 J [ND(0.041)]	ND(0.039)	0.55	ND(0.038)	ND(0.038)
Benzene, isopropyl	0.012 J [0.018 J]	ND(0.18)	ND(0.16)	ND(0.17)	0.030 J	0.027 J [0.017 J]	ND(0.17)	0.11 J	ND(0.16)	ND(0.16)
Bromodichloromethane	ND(0.073) [ND(0.072)]	ND(0.083)	ND(0.077)	ND(0.080)	ND(0.077)	ND(0.082) [ND(0.082)]	ND(0.077)	ND(0.081)	ND(0.076)	ND(0.076)
Bromoform	ND(0.073) [ND(0.072)]	ND(0.083)	ND(0.077)	ND(0.080)	ND(0.077)	ND(0.082) [ND(0.082)]	ND(0.077)	ND(0.081)	ND(0.076)	ND(0.076)
Bromomethane	ND(0.16) J [ND(0.16) J]	ND(0.18) J	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)
Carbon disulfide	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.17) J	ND(0.17)	ND(0.16)	ND(0.16)
Carbon tetrachloride	ND(0.037) [ND(0.036)]	ND(0.041)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.041) [ND(0.041)]	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)
Chlorobenzene	ND(0.037) [ND(0.036)]	ND(0.041)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.041) [ND(0.041)]	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)
Chloroethane	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)
Chloroform	ND(0.037) [ND(0.036)]	ND(0.041)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.041) [ND(0.041)]	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)
Chloromethane	0.036 J [0.036 J]	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.17)	ND(0.17)	ND(0.16)	0.022 J
cis-1,2-Dichloroethene	ND(0.037) J [ND(0.036) J]	ND(0.041) J	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.041) [ND(0.041)]	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)
cis-1,3-Dichloropropene	ND(0.037) [ND(0.036)]	ND(0.041)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.041) [ND(0.041)]	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)
Cyclohexane	0.074 J [0.11 J]	0.0094 J	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)
Dibromochloromethane	ND(0.073) [ND(0.072)]	ND(0.083)	ND(0.077)	ND(0.080)	ND(0.077)	ND(0.082) [ND(0.082)]	ND(0.077)	ND(0.081)	ND(0.076)	ND(0.076)
Dichlorodifluoromethane (CFC-12)	ND(0.073) [ND(0.072)]	ND(0.083)	ND(0.077)	ND(0.080)	ND(0.077)	ND(0.082) [ND(0.082)]	ND(0.077)	ND(0.081)	ND(0.076)	ND(0.076)
Ethylbenzene	0.036 J [0.050]	0.011 J	0.049	0.23	0.079	0.050 J [0.028 J]	ND(0.039)	1	0.014 J	ND(0.038)
m&p-Xylene	0.26 [0.33]	0.045 J	0.21	0.49	0.2	0.15 J [0.078 J]	ND(0.077)	1.5	0.046 J	ND(0.076)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-09-05	RFI-09-05	RFI-09-06	RFI-09-06	RFI-09-07	RFI-09-07	RFI-09-08	RFI-09-08	RFI-09-09	RFI-09-09
Sample Depth(feet):	0.5-2	6-8	0.5-2.5	2.5-4.5	1-3	3-5	1-3	5-7	0.7-2.7	4.7-6.7
Date Collected:	05/16/01	05/16/01	05/30/01	05/30/01	05/29/01	05/29/01	05/29/01	05/29/01	05/29/01	05/29/01
Methyl acetate	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16) J	ND(0.17) J	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)
Methyl Tert Butyl Ether	ND(0.26) [ND(0.26)]	ND(0.29)	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.29) [ND(0.29)]	ND(0.28)	ND(0.29)	ND(0.27)	ND(0.27)
Methylcyclohexane	0.22 [0.34]	0.031 J	0.76	1	0.28	0.23 J [0.10 J]	0.015 J	0.24	0.045 J	0.0070 J
Methylene chloride	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)
o-Xylene	0.11 [0.15]	0.018 J	0.11	0.31	0.11	0.12 J [0.060 J]	ND(0.039)	0.37	0.024 J	ND(0.038)
Styrene	ND(0.037) [ND(0.036)]	ND(0.041)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.041) [ND(0.041)]	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)
Tetrachloroethene	0.0089 J [0.013 J]	ND(0.041)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.041) [ND(0.041)]	ND(0.039)	ND(0.040)	0.044	ND(0.038)
Toluene	0.36 [0.34]	ND(0.074)	0.1	0.28	0.11	0.22 J [0.081 J]	ND(0.039)	0.7	0.025 J	ND(0.038)
trans-1,2-Dichloroethene	ND(0.037) [ND(0.036)]	ND(0.041)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.041) [ND(0.041)]	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)
trans-1,3-Dichloropropene	ND(0.037) [ND(0.036)]	ND(0.041)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.041) [ND(0.041)]	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)
Trichloroethene	0.043 [0.063]	ND(0.041)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.041) [ND(0.041)]	ND(0.039)	ND(0.040)	0.014 J	ND(0.038)
Trichlorofluoromethane (CFC-11)	0.028 J [0.028 J]	ND(0.083)	ND(0.077)	ND(0.080)	ND(0.077)	ND(0.082) [ND(0.082)]	ND(0.077)	ND(0.081)	ND(0.076)	ND(0.076)
Trifluorotrichloroethane (Freon 113)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)
Vinyl chloride	ND(0.037) [ND(0.036)]	ND(0.041)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.041) [ND(0.041)]	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)
Xylenes (total)	0.37 [0.48]	0.063	0.32	0.8	0.31	0.27 [0.14]	ND(0.077)	1.9	0.07	ND(0.076)
Semivolatiles										
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
2,4,6-Trichlorophenol	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
2,4-Dichlorophenol	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
2,4-Dimethylphenol	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
2,4-Dinitrophenol	ND(7.1) [ND(7.1) J]	ND(0.80) J	ND(0.74)	ND(0.78)	ND(0.74)	ND(0.77) [ND(0.78)]	ND(0.72)	ND(0.76)	ND(0.72)	ND(0.73)
2,4-Dinitrotoluene	ND(7.1) [ND(7.1)]	ND(0.80)	ND(0.74)	ND(0.78)	ND(0.74)	ND(0.77) [ND(0.78)]	ND(0.72)	ND(0.76)	ND(0.72)	ND(0.73)
2,6-Dinitrotoluene	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
2-Chloronaphthalene	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
2-Chlorophenol	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
2-Methyl naphthalene	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	0.045 J	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	0.14 J	ND(0.18)	ND(0.19)
2-Methylphenol	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
2-Nitroaniline	ND(7.1) [ND(7.1)]	ND(0.80)	ND(0.74)	ND(0.78)	ND(0.74)	ND(0.77) [ND(0.78)]	ND(0.72)	ND(0.76)	ND(0.72)	ND(0.73)
2-Nitrophenol	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
3&4-Methylphenol	ND(3.6) [ND(3.6)]	ND(0.41)	ND(0.38)	ND(0.39)	ND(0.38)	ND(0.39) [ND(0.39)]	ND(0.37)	ND(0.39)	ND(0.37)	ND(0.37)
3,3-Dichlorobenzidine	ND(7.1) [ND(7.1)]	ND(0.80)	ND(0.74) J	ND(0.78)	ND(0.74)	ND(0.77) [ND(0.78)]	ND(0.72)	ND(0.76)	ND(0.72) J	ND(0.73)
3-Nitroaniline	ND(7.1) [ND(7.1)]	ND(0.80)	ND(0.74)	ND(0.78)	ND(0.74)	ND(0.77) [ND(0.78)]	ND(0.72)	ND(0.76)	ND(0.72)	ND(0.73)
4,6-Dinitro-2-methylphenol	ND(7.1) [ND(7.1)]	ND(0.80)	ND(0.74)	ND(0.78)	ND(0.74)	ND(0.77) [ND(0.78)]	ND(0.72)	ND(0.76)	ND(0.72)	ND(0.73)
4-Bromophenyl phenyl ether	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
4-Chloro-3-methylphenol	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-09-05	RFI-09-05	RFI-09-06	RFI-09-06	RFI-09-07	RFI-09-07	RFI-09-08	RFI-09-08	RFI-09-09	RFI-09-09
Sample Depth(feet):	0.5-2	6-8	0.5-2.5	2.5-4.5	1-3	3-5	1-3	5-7	0.7-2.7	4.7-6.7
Date Collected:	05/16/01	05/16/01	05/30/01	05/30/01	05/29/01	05/29/01	05/29/01	05/29/01	05/29/01	05/29/01
4-Chloroaniline	ND(7.1) [ND(7.1)]	ND(0.80)	ND(0.74)	ND(0.78)	ND(0.74)	ND(0.77) [ND(0.78)]	ND(0.72)	ND(0.76)	ND(0.72)	ND(0.73)
4-Chlorophenyl phenyl ether	ND(7.1) [ND(7.1)]	ND(0.80)	ND(0.74)	ND(0.78)	ND(0.74)	ND(0.77) [ND(0.78)]	ND(0.72)	ND(0.76)	ND(0.72)	ND(0.73)
4-Nitroaniline	ND(7.1) [ND(7.1)]	ND(0.80)	ND(0.74)	ND(0.78)	ND(0.74)	ND(0.77) [ND(0.78)]	ND(0.72)	ND(0.76)	ND(0.72)	ND(0.73)
4-Nitrophenol	ND(7.1) [ND(7.1)]	ND(0.80) J	ND(0.74)	ND(0.78)	ND(0.74)	ND(0.77) [ND(0.78)]	ND(0.72)	ND(0.76)	ND(0.72)	ND(0.73)
Acenaphthene	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	0.32 J	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Acenaphthylene	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	0.062 J	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Acetophenone	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Anthracene	ND(1.8) [ND(1.8)]	ND(0.20)	0.56 J	0.58 J	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	0.039 J	ND(0.18)	ND(0.19)
Atrazine	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Benzaldehyde	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Benzo(a)anthracene	0.82 J [0.79 J]	ND(0.20)	1.2 J	1.4 J	0.082 J	ND(0.20) [ND(0.20)]	ND(0.18)	0.11 J	0.059 J	ND(0.19)
Benzo(a)pyrene	0.87 J [0.84 J]	ND(0.20)	0.91 J	1.3 J	0.097 J	ND(0.20) [ND(0.20)]	ND(0.18) J	0.098 J	0.058 J	ND(0.19)
Benzo(b)fluoranthene	0.72 J [0.82 J]	ND(0.20)	0.86 J	1.5 J	0.11 J	ND(0.20) [ND(0.20)]	ND(0.18) J	0.095 J	0.061 J	ND(0.19)
Benzo(g,h,i)perylene	0.43 J [0.49 J]	ND(0.20)	0.99 J	0.44 J	0.051 J	ND(0.20) [ND(0.20)]	ND(0.18) J	0.078 J	0.047 J	ND(0.19)
Benzo(k)fluoranthene	0.81 J [0.90 J]	ND(0.20)	0.70 J	1.4 J	0.11 J	ND(0.20) [ND(0.20)]	ND(0.18) J	0.090 J	0.050 J	ND(0.19)
Biphenyl	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	0.066 J	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
bis(2-Chloroethoxy)methane	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
bis(2-Chloroethyl)ether	ND(0.35) [ND(0.35)]	ND(0.039)	ND(0.037) J	ND(0.038)	ND(0.037)	ND(0.038) J [ND(0.038) J]	ND(0.036)	0.031 J	ND(0.035)	ND(0.036) J
bis(2-Chloroisopropyl)ether	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
bis(2-Ethylhexyl)phthalate	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19) J	0.10 J	0.18 J	ND(0.20) [ND(0.20)]	0.14 J	0.099 J	ND(0.18) J	0.073 J
Butyl benzylphthalate	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19) J	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18) J	ND(0.19)
Caprolactam	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19) J	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Carbazole	ND(1.8) [ND(1.8)]	ND(0.20)	0.23 J	0.65 J	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Chrysene	0.92 J [0.85 J]	ND(0.20)	1.2 J	1.6 J	0.11 J	ND(0.20) [ND(0.20)]	ND(0.18)	0.13 J	0.067 J	ND(0.19)
Di-n-butylphthalate	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Di-n-octyl phthalate	ND(1.8) J [ND(1.8) J]	ND(0.20)	ND(0.19) J	ND(0.20) J	ND(0.19) J	ND(0.20) [ND(0.20)]	ND(0.18) J	ND(0.19)	ND(0.18) J	ND(0.19)
Dibenzo(a,h)anthracene	ND(1.8) J [ND(1.8) J]	ND(0.20)	ND(0.19) J	ND(0.20) J	ND(0.19) J	ND(0.20) [ND(0.20)]	ND(0.18) J	ND(0.19)	ND(0.18) J	ND(0.19)
Dibenzofuran	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	0.39 J	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Diethyl phthalate	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	0.051 J	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	0.12 J	ND(0.19)
Dimethyl phthalate	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Fluoranthene	1.8 [1.9]	ND(0.20)	2.6 J	4.0 J	0.15 J	ND(0.20) [ND(0.20)]	ND(0.18)	0.16 J	0.11 J	ND(0.19)
Fluorene	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	0.65 J	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Hexachlorobenzene	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Hexachlorobutadiene	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Hexachlorocyclopentadiene	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Hexachloroethane	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Indeno(1,2,3-cd)pyrene	0.42 J [0.47 J]	ND(0.20)	ND(0.19) J	0.50 J	0.047 J	ND(0.20) [ND(0.20)]	ND(0.18) J	0.065 J	ND(0.18) J	ND(0.19)
Isophorone	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	0.050 J	ND(0.18)	ND(0.19)
Methylphenols, Total	ND(3.6) [ND(3.6)]	ND(0.41)	ND(0.38)	ND(0.39)	ND(0.38)	ND(0.39) [ND(0.39)]	ND(0.37)	ND(0.39)	ND(0.37)	ND(0.37)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-09-05	RFI-09-05	RFI-09-06	RFI-09-06	RFI-09-07	RFI-09-07	RFI-09-08	RFI-09-08	RFI-09-09	RFI-09-09
Sample Depth(feet):	0.5-2	6-8	0.5-2.5	2.5-4.5	1-3	3-5	1-3	5-7	0.7-2.7	4.7-6.7
Date Collected:	05/16/01	05/16/01	05/30/01	05/30/01	05/29/01	05/29/01	05/29/01	05/29/01	05/29/01	05/29/01
N-Nitrosodi-n-propylamine	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
N-Nitrosodiphenylamine	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Naphthalene	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	0.17 J	0.062 J	ND(0.20) [ND(0.20)]	ND(0.18)	0.21	ND(0.18)	ND(0.19)
Nitrobenzene	ND(0.71) [ND(0.71)]	ND(0.080)	ND(0.074)	ND(0.078)	ND(0.074)	ND(0.077) [ND(0.078)]	ND(0.072)	ND(0.076)	ND(0.072)	ND(0.073)
Pentachlorophenol	ND(7.1) [ND(7.1)]	ND(0.80)	ND(0.74)	ND(0.78)	ND(0.74)	ND(0.77) [ND(0.78)]	ND(0.72)	ND(0.76)	ND(0.72)	ND(0.73)
Phenanthrene	1.2 J [1.2 J]	ND(0.20)	2.3 J	3.7 J	0.13 J	ND(0.20) [ND(0.20)]	ND(0.18)	0.2	0.099 J	ND(0.19)
Phenol	ND(1.8) [ND(1.8)]	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)
Pyrene	2.1 [2.0]	ND(0.20)	2.9 J	3.8 J	0.16 J	ND(0.20) [ND(0.20)]	ND(0.18)	0.32	0.16 J	ND(0.19)
Inorganics										
Antimony	0.34 R [0.37 R]	0.40 R	0.45 R	0.46 R	0.23 J	ND(0.41) J [0.41 J]	0.18 J	0.21 J	ND(0.42) J	ND(0.36) J
Arsenic	6 [7.1]	6.6	7.2	4.1	7.2 J	5.7 J [11 J(RDC)]	3.8 J	6.9 J	6.3 J	1.8 J
Barium	45 J [48 J]	39 J	88	54	120 J	73 J [97 J]	17 J	64 J	31 J	8.9 J
Beryllium	0.34 [0.33]	0.41	0.62	0.39	0.52 J	0.51 J [0.67 J]	0.13 J	0.56 J	0.30 J	0.11 J
Cadmium	0.28 [0.44]	0.12	0.66	0.45	0.57 J	0.61 J [0.45 J]	0.045 J	0.56 J	0.14 J	ND(0.033)
Chromium	17 [16]	13	42	7.5	21 J	15 J [19 J]	56 J	50 J	12 J	6.3 J
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	3.8 J [3.7 J]	5.4 J	3.5	6	5.2 J	5.5 J [7.2 J]	2.8 J	5.3 J	4.0 J	2.1 J
Copper	47 J [63 J]	14 J	39	16	47 J	22 J [76 J]	20 J	46 J	16 J	3.3 J
Cyanide (total)	ND(0.20) [0.0080 J]	0.0045 J	0.021 J	0.017 J	0.023 J	0.030 J [ND(0.20)]	0.058 J	0.0099 J	0.069 J	0.015 J
Lead	100 J [140 J]	7.8 J	88	200	150 J	35 J [170 J]	4.0 J	110	72 J	11 J
Manganese	380 [440]	370	1400	1100	510	270 [440]	270	460	300	72
Mercury	0.082 [0.13]	0.021 J	0.072 J	0.069 J	0.61	0.058 J [0.36 J]	ND(0.075)	0.16	0.19	ND(0.077)
Nickel	14 J [15 J]	14 J	19	8.3	18 J	18 J [20 J]	19 J	20 J	16 J	5.2 J
Selenium	ND(1.4) J [ND(1.5) J]	ND(1.6) J	ND(0.82)	0.61 J	0.57 J	ND(1.6) [ND(1.8) J]	ND(1.9)	ND(1.8)	ND(1.7)	ND(1.4)
Silver	0.17 [0.21]	0.041 J	0.26 J	0.068 J	1.5 J	0.21 J [0.61 J]	0.10 J	0.24 J	0.091 J	0.046 J
Thallium	0.13 J [0.098 J]	0.11 J	0.12 J	0.10 J	0.17 J	0.18 J [ND(0.28) J]	ND(0.30)	0.16 J	0.14 J	ND(0.23)
Vanadium	14 [14]	22	12	12	23 J	25 J [27 J]	7.6 J	22 J	15 J	8.5 J
Zinc	50 J [65 J]	43 J	60 J	55 J	110 J	40 J [110 J]	10 J	69 J	34 J	11 J
PCBs										
Aroclor-1016	ND(0.37) [ND(0.18)]	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.038)
Aroclor-1221	ND(0.37) [ND(0.18)]	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.038)
Aroclor-1232	ND(0.37) [ND(0.18)]	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.038)
Aroclor-1242	ND(0.37) [ND(0.18)]	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.038)
Aroclor-1248	ND(0.37) [ND(0.18)]	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.038)
Aroclor-1254	8.9 [6.2]	0.099	0.19	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.038)
Aroclor-1260	1.2 J [ND(0.18) J]	ND(0.042)	0.04	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.038)
Total PCBs	10 [6.2]	0.099	0.23	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.038)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-09-10	RFI-09-11	RFI-09-11	RFI-09-12	RFI-09-12	RFI-09-13	RFI-09-13	RFI-09-13	RFI-09-14	RFI-09-14	RFI-09-14
Sample Depth(feet):	0.8-2	0.5-2.5	2.5-4.5	0.6-2.6	6-8	0-2	4-6	6-8	0-2	2-4	6-8
Date Collected:	06/15/01	06/11/01	06/11/01	06/11/01	06/11/01	09/13/01	09/13/01	09/13/01	09/13/01	09/13/01	09/13/01
Volatiles											
1,1,1-Trichloroethane	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.038) [ND(0.039)]	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037) [ND(0.037)]	ND(0.046)
1,1,2,2-Tetrachloroethane	ND(0.082)	ND(0.075)	ND(0.078)	ND(0.077)	ND(0.076) [ND(0.078)]	ND(0.074)	ND(0.087)	ND(0.088)	ND(0.072)	ND(0.074) [ND(0.073)]	ND(0.091)
1,1,2-Trichloroethane	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.038) [ND(0.039)]	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037) [ND(0.037)]	ND(0.046)
1,1-Dichloroethane	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.038) [ND(0.039)]	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037) [ND(0.037)]	ND(0.046)
1,1-Dichloroethene	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.038) [ND(0.039)]	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037) [ND(0.037)]	ND(0.046)
1,2,4-Trichlorobenzene	ND(0.18) J	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.17) J]	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.20)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.18) J	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.20)
1,2-Dibromoethane (EDB)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.20)
1,2-Dichlorobenzene	ND(0.082)	ND(0.075)	ND(0.078)	ND(0.077)	ND(0.076) [ND(0.078)]	ND(0.074)	ND(0.087)	ND(0.088)	ND(0.072)	ND(0.074) [ND(0.073)]	ND(0.091)
1,2-Dichloroethane	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.038) [ND(0.039)]	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037) [ND(0.037)]	ND(0.046)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.038) [ND(0.039)]	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037) [ND(0.037)]	ND(0.046)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.082)	ND(0.075)	ND(0.078)	ND(0.077)	ND(0.076) [ND(0.078)]	ND(0.074)	ND(0.087)	ND(0.088)	ND(0.072)	ND(0.074) [ND(0.073)]	ND(0.091)
1,4-Dichlorobenzene	ND(0.082)	ND(0.075)	ND(0.078)	ND(0.077)	ND(0.076) [ND(0.078)]	ND(0.074)	ND(0.087)	ND(0.088)	ND(0.072)	ND(0.074) [ND(0.073)]	ND(0.091)
2-Butanone	ND(0.29)	ND(0.27)	ND(0.28)	0.032 J	ND(0.27) [ND(0.28)]	0.035 J	ND(0.31)	0.036 J	ND(0.26)	0.030 J [ND(0.26)]	ND(0.33)
2-Hexanone	ND(0.29)	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.27) [ND(0.28)]	ND(0.26)	ND(0.31)	ND(0.31)	ND(0.26)	ND(0.27) [ND(0.26)]	ND(0.33)
4-Methyl-2-pentanone	ND(0.29)	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.27) [ND(0.28)]	0.13 J	ND(0.31)	ND(0.31)	0.063 J	ND(0.27) [ND(0.26)]	ND(0.33)
Acetone	ND(0.29)	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.27) [ND(0.28)]	ND(0.26)	ND(0.31)	ND(0.31)	ND(0.26)	0.049 J [0.050 J]	ND(0.33)
Benzene	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.038) [ND(0.039)]	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037) [ND(0.037)]	ND(0.046)
Benzene, isopropyl	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.16)	ND(0.16) [ND(0.16)]	0.14 J
Bromodichloromethane	ND(0.082)	ND(0.075)	ND(0.078)	ND(0.077)	ND(0.076) [ND(0.078)]	ND(0.074)	ND(0.087)	ND(0.088)	ND(0.072)	ND(0.074) [ND(0.073)]	ND(0.091)
Bromoform	ND(0.082)	ND(0.075)	ND(0.078)	ND(0.077)	ND(0.076) [ND(0.078)]	ND(0.074)	ND(0.087)	ND(0.088)	ND(0.072)	ND(0.074) [ND(0.073)]	ND(0.091)
Bromomethane	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.20)
Carbon disulfide	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.20)
Carbon tetrachloride	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.038) [ND(0.039)]	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037) [ND(0.037)]	ND(0.046)
Chlorobenzene	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.038) [ND(0.039)]	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037) [ND(0.037)]	ND(0.046)
Chloroethane	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.20)
Chloroform	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.038) [ND(0.039)]	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037) [ND(0.037)]	ND(0.046)
Chloromethane	ND(0.18) J	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.20)
cis-1,2-Dichloroethene	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.038) [ND(0.039)]	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037) [ND(0.037)]	ND(0.046)
cis-1,3-Dichloropropene	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.038) [ND(0.039)]	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037) [ND(0.037)]	ND(0.046)
Cyclohexane	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.20)
Dibromochloromethane	ND(0.082)	ND(0.075)	ND(0.078)	ND(0.077)	ND(0.076) [ND(0.078)]	ND(0.074)	ND(0.087)	ND(0.088)	ND(0.072)	ND(0.074) [ND(0.073)]	ND(0.091)
Dichlorodifluoromethane (CFC-12)	ND(0.082)	ND(0.075)	ND(0.078)	ND(0.077)	ND(0.076) [ND(0.078)]	ND(0.074)	ND(0.087)	ND(0.088)	ND(0.072)	ND(0.074) [ND(0.073)]	ND(0.091)
Ethylbenzene	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.038) [ND(0.039)]	0.08	ND(0.044)	ND(0.044)	0.038	ND(0.037) [ND(0.037)]	ND(0.046)
m&p-Xylene	ND(0.082)	ND(0.075)	ND(0.078)	0.069 J	ND(0.076) [ND(0.078)]	0.43	ND(0.087)	ND(0.088)	0.26	0.083 [0.069 J]	ND(0.091)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-09-10	RFI-09-11	RFI-09-11	RFI-09-12	RFI-09-12	RFI-09-13	RFI-09-13	RFI-09-13	RFI-09-14	RFI-09-14	RFI-09-14
Sample Depth(feet):	0.8-2	0.5-2.5	2.5-4.5	0.6-2.6	6-8	0-2	4-6	6-8	0-2	2-4	6-8
Date Collected:	06/15/01	06/11/01	06/11/01	06/11/01	06/11/01	09/13/01	09/13/01	09/13/01	09/13/01	09/13/01	09/13/01
Methyl acetate	0.14 J	ND(0.16)	ND(0.17)	0.12 J	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.16)	0.058 J [0.050 J]	0.035 J
Methyl Tert Butyl Ether	ND(0.29)	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.27) [ND(0.28)]	ND(0.26)	ND(0.31)	ND(0.31)	ND(0.26)	ND(0.27) [ND(0.26)]	ND(0.33)
Methylcyclohexane	0.037 J	ND(0.16)	ND(0.17)	0.12 J	ND(0.16) [ND(0.17)]	0.2	ND(0.19)	ND(0.19)	0.054 J	0.027 J [ND(0.16)]	ND(0.20)
Methylene chloride	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.20)
o-Xylene	ND(0.041)	ND(0.037)	ND(0.039)	0.054	ND(0.038) [ND(0.039)]	0.28	ND(0.044)	ND(0.044)	0.16	0.038 [0.040]	ND(0.046)
Styrene	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.038) [ND(0.039)]	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037) [ND(0.037)]	ND(0.046)
Tetrachloroethene	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.038) [ND(0.039)]	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037) [ND(0.037)]	ND(0.046)
Toluene	ND(0.041)	ND(0.037)	ND(0.039)	0.049	ND(0.038) [ND(0.039)]	0.55	ND(0.044)	ND(0.044)	0.6	0.08 [0.085]	ND(0.046)
trans-1,2-Dichloroethene	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.038) [ND(0.039)]	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037) [ND(0.037)]	ND(0.046)
trans-1,3-Dichloropropene	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.038) [ND(0.039)]	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037) [ND(0.037)]	ND(0.046)
Trichloroethene	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.038) [ND(0.039)]	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037) [ND(0.037)]	ND(0.046)
Trichlorofluoromethane (CFC-11)	ND(0.082)	ND(0.075)	ND(0.078)	ND(0.077)	ND(0.076) [ND(0.078)]	ND(0.074)	ND(0.087)	ND(0.088)	ND(0.072)	ND(0.074) [ND(0.073)]	ND(0.091)
Trifluorotrichloroethane (Freon 113)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.20)
Vinyl chloride	ND(0.041)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.038) [ND(0.039)]	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037) [ND(0.037)]	ND(0.046)
Xylenes (total)	ND(0.082)	ND(0.075)	ND(0.078)	0.12	ND(0.076) [ND(0.078)]	0.71	ND(0.087)	ND(0.088)	0.42	0.12 [0.11]	ND(0.091)
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
2,4-Dichlorophenol	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
2,4-Dinitrophenol	ND(0.79)	ND(0.71)	ND(0.77)	ND(0.74)	ND(0.74) [ND(0.75)]	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	ND(0.79)	ND(0.71)	ND(0.77)	ND(0.74)	ND(0.74) [ND(0.75)]	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
2-Chloronaphthalene	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
2-Chlorophenol	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
2-Methyl naphthalene	ND(0.20)	ND(0.18)	ND(0.20)	0.27	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
2-Methylphenol	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
2-Nitroaniline	ND(0.79)	ND(0.71)	ND(0.77)	ND(0.74)	ND(0.74) [ND(0.75)]	NS	NS	NS	NS	NS	NS
2-Nitrophenol	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
3&4-Methylphenol	ND(0.40)	ND(0.36)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.38)]	NS	NS	NS	NS	NS	NS
3,3-Dichlorobenzidine	ND(0.79) J	ND(0.71)	ND(0.77)	ND(0.74)	ND(0.74) [ND(0.75)]	NS	NS	NS	NS	NS	NS
3-Nitroaniline	ND(0.79)	ND(0.71)	ND(0.77)	ND(0.74)	ND(0.74) [ND(0.75)]	NS	NS	NS	NS	NS	NS
4,6-Dinitro-2-methylphenol	ND(0.79)	ND(0.71)	ND(0.77)	ND(0.74)	ND(0.74) [ND(0.75)]	NS	NS	NS	NS	NS	NS
4-Bromophenyl phenyl ether	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-09-10	RFI-09-11	RFI-09-11	RFI-09-12	RFI-09-12	RFI-09-13	RFI-09-13	RFI-09-13	RFI-09-14	RFI-09-14	RFI-09-14
Sample Depth(feet):	0.8-2	0.5-2.5	2.5-4.5	0.6-2.6	6-8	0-2	4-6	6-8	0-2	2-4	6-8
Date Collected:	06/15/01	06/11/01	06/11/01	06/11/01	06/11/01	09/13/01	09/13/01	09/13/01	09/13/01	09/13/01	09/13/01
4-Chloroaniline	ND(0.79)	ND(0.71)	ND(0.77)	ND(0.74)	ND(0.74) [ND(0.75)]	NS	NS	NS	NS	NS	NS
4-Chlorophenyl phenyl ether	ND(0.79)	ND(0.71)	ND(0.77)	ND(0.74)	ND(0.74) [ND(0.75)]	NS	NS	NS	NS	NS	NS
4-Nitroaniline	ND(0.79)	ND(0.71)	ND(0.77)	ND(0.74)	ND(0.74) [ND(0.75)]	NS	NS	NS	NS	NS	NS
4-Nitrophenol	ND(0.79) J	ND(0.71)	ND(0.77)	ND(0.74)	ND(0.74) [ND(0.75)]	NS	NS	NS	NS	NS	NS
Acenaphthene	ND(0.20)	0.038 J	ND(0.20)	0.77	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Acenaphthylene	ND(0.20)	ND(0.18)	ND(0.20)	0.14 J	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Acetophenone	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Anthracene	ND(0.20)	0.041 J	ND(0.20)	2.2	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Atrazine	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Benzaldehyde	ND(0.20) J	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	ND(0.20)	0.056 J	ND(0.20)	4.8 DJ	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	ND(0.20)	0.043 J	ND(0.20)	4.1 J(RDC)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	ND(0.20)	0.18 J	ND(0.20)	3.8 J	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	ND(0.20)	ND(0.18) J	ND(0.20)	1.4 J	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	ND(0.20)	0.047 J	ND(0.20)	4.2 J	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Biphenyl	ND(0.20)	ND(0.18)	ND(0.20)	0.069 J	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
bis(2-Chloroethoxy)methane	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
bis(2-Chloroethyl)ether	ND(0.039)	ND(0.035)	ND(0.038)	ND(0.037)	ND(0.036) [ND(0.037)]	NS	NS	NS	NS	NS	NS
bis(2-Chloroisopropyl)ether	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl)phthalate	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19) J	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Butyl benzylphthalate	ND(0.20)	0.054 J	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Caprolactam	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Carbazole	ND(0.20)	ND(0.18)	ND(0.20)	0.96	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Chrysene	ND(0.20)	0.067 J	ND(0.20)	5.0 DJ	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Di-n-butylphthalate	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Di-n-octyl phthalate	ND(0.20)	ND(0.18) J	ND(0.20)	ND(0.19) J	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	ND(0.20)	ND(0.18)	ND(0.20)	0.49 J	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Dibenzofuran	ND(0.20)	0.042 J	ND(0.20)	0.51	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Diethyl phthalate	ND(0.20)	0.057 J	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Dimethyl phthalate	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Fluoranthene	ND(0.20)	0.18	ND(0.20)	12 D	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Fluorene	ND(0.20)	ND(0.18)	ND(0.20)	0.91	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	ND(0.20) J	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Hexachlorobutadiene	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Hexachlorocyclopentadiene	ND(0.20) J	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Hexachloroethane	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	ND(0.20)	ND(0.18) J	ND(0.20)	1.6 J	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Isophorone	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Methylphenols, Total	ND(0.40)	ND(0.36)	ND(0.39)	ND(0.38)	ND(0.37) [ND(0.38)]	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-09-10	RFI-09-11	RFI-09-11	RFI-09-12	RFI-09-12	RFI-09-13	RFI-09-13	RFI-09-13	RFI-09-14	RFI-09-14	RFI-09-14
Sample Depth(feet):	0.8-2	0.5-2.5	2.5-4.5	0.6-2.6	6-8	0-2	4-6	6-8	0-2	2-4	6-8
Date Collected:	06/15/01	06/11/01	06/11/01	06/11/01	06/11/01	09/13/01	09/13/01	09/13/01	09/13/01	09/13/01	09/13/01
N-Nitrosodi-n-propylamine	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
N-Nitrosodiphenylamine	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Naphthalene	ND(0.20)	ND(0.18)	ND(0.20)	0.40 J	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Nitrobenzene	ND(0.079)	ND(0.071)	ND(0.077)	ND(0.074)	ND(0.074) [ND(0.075)]	NS	NS	NS	NS	NS	NS
Pentachlorophenol	ND(0.79)	ND(0.71)	ND(0.77)	ND(0.74)	ND(0.74) [ND(0.75)]	NS	NS	NS	NS	NS	NS
Phenanthrene	ND(0.20)	0.19 J	ND(0.20)	9.6 D	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Phenol	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Pyrene	ND(0.20)	0.17 J	ND(0.20)	19 EJ	ND(0.19) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Inorganics											
Antimony	1.0 J	ND(0.40) J	ND(0.45) J	ND(0.43) J	ND(0.39) J [ND(0.41) J]	NS	NS	NS	NS	NS	NS
Arsenic	10(RDC)	3.4	5.4	7.4	4 [5.6]	NS	NS	NS	NS	NS	NS
Barium	100 J	28 J	48 J	150 J	33 J [49 J]	73	71 J	79 J	39 J	44 J [36 J]	93 J
Beryllium	3.3 J	0.22	0.44	1.2	0.3 [0.53]	NS	NS	NS	NS	NS	NS
Cadmium	0.24	0.078	0.11	0.58	0.063 [0.082]	NS	NS	NS	NS	NS	NS
Chromium	24	7.5	16	21	9.9 [16]	NS	NS	NS	NS	NS	NS
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	11	2.8	5.4	5.6	4.1 [6.9]	NS	NS	NS	NS	NS	NS
Copper	54	6.6	8.5	52	8.5 [13]	NS	NS	NS	NS	NS	NS
Cyanide (total)	0.20 J	0.043 J	0.0041 J	ND(0.20)	ND(0.20) [0.029 J]	NS	NS	NS	NS	NS	NS
Lead	530 J(RDC)	4.8	7.7	300	6.7 [8.0]	150	11 J	15	63 J	36 [29 J]	16
Manganese	440 J	140 J	360 J	1,300 J	240 J [310 J]	NS	NS	NS	NS	NS	NS
Mercury	0.038 J	0.089	0.043 J	0.46	ND(0.077) [ND(0.077)]	NS	NS	NS	NS	NS	NS
Nickel	37	9.9	14	20	11 [18]	NS	NS	NS	NS	NS	NS
Selenium	0.62 J	ND(0.73)	ND(0.82)	ND(0.78)	ND(0.71) [3.3]	NS	NS	NS	NS	NS	NS
Silver	ND(0.41)	0.041 J	0.052 J	0.12 J	ND(0.18) [0.059 J]	NS	NS	NS	NS	NS	NS
Thallium	0.21 J	ND(0.26)	0.12 J	0.15 J	0.085 J [0.15 J]	NS	NS	NS	NS	NS	NS
Vanadium	31	12	25	16	16 [26]	NS	NS	NS	NS	NS	NS
Zinc	140 J	18	31	130	25 [35]	NS	NS	NS	NS	NS	NS
PCBs											
Aroclor-1016	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.039)]	NS	NS	NS	NS	NS	NS
Aroclor-1221	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.039)]	NS	NS	NS	NS	NS	NS
Aroclor-1232	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.039)]	NS	NS	NS	NS	NS	NS
Aroclor-1242	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.039)]	NS	NS	NS	NS	NS	NS
Aroclor-1248	ND(0.041)	0.036 J	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.039)]	NS	NS	NS	NS	NS	NS
Aroclor-1254	ND(0.041)	ND(0.037)	ND(0.040)	0.06	ND(0.039) [ND(0.039)]	NS	NS	NS	NS	NS	NS
Aroclor-1260	ND(0.041)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.039)]	NS	NS	NS	NS	NS	NS
Total PCBs	ND(0.041)	0.036	ND(0.040)	0.06	ND(0.039) [ND(0.039)]	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-09-15	RFI-09-15	RFI-09-16	RFI-09-18	RFI-09-19	RFI-09-20	RFI-09-21	RFI-09-22	RFI-09-22	RFI-09-23	RFI-09-23
Sample Depth(feet):	0.5-1.5	1.9-3.9	1-3	1-3	0.5-2.5	0.5-2.5	0.5-2.5	0-2	2-4	0-2	2-4
Date Collected:	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01
Volatiles											
1,1,1-Trichloroethane	ND(0.038)	ND(0.039)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.039)
1,1,2,2-Tetrachloroethane	ND(0.076)	ND(0.078)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.078)
1,1,2-Trichloroethane	ND(0.038)	ND(0.039)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.039)
1,1-Dichloroethane	ND(0.038)	ND(0.039)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.039)
1,1-Dichloroethene	ND(0.038)	ND(0.039)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.039)
1,2,4-Trichlorobenzene	3.9 J	1.2 J	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.17)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.17)
1,2-Dibromoethane (EDB)	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.17)
1,2-Dichlorobenzene	ND(0.076)	ND(0.078)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.078)
1,2-Dichloroethane	ND(0.038)	ND(0.039)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.039)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.038)	ND(0.039)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.039)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	0.44	0.14	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.078)
1,4-Dichlorobenzene	0.71	0.26	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.078)
2-Butanone	0.053 J	0.043 J	NS	NS	NS	NS	NS	NS	NS	NS	0.072 J
2-Hexanone	ND(0.27)	ND(0.28)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.28)
4-Methyl-2-pentanone	ND(0.27)	ND(0.28)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.28)
Acetone	0.084 J	0.25 J	NS	NS	NS	NS	NS	NS	NS	NS	0.16 J
Benzene	ND(0.038)	ND(0.039)	NS	NS	NS	NS	NS	NS	NS	NS	0.034 J
Benzene, isopropyl	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	NS	0.065 J
Bromodichloromethane	ND(0.076)	ND(0.078)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.078)
Bromoform	ND(0.076)	ND(0.078)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.078)
Bromomethane	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.17)
Carbon disulfide	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.17)
Carbon tetrachloride	ND(0.038)	ND(0.039)	NS	NS	NS	NS	NS	NS	NS	NS	0.24(RSVIA)
Chlorobenzene	ND(0.038)	ND(0.039)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.039)
Chloroethane	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.17)
Chloroform	ND(0.038)	ND(0.039)	NS	NS	NS	NS	NS	NS	NS	NS	0.079
Chloromethane	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.17)
cis-1,2-Dichloroethene	ND(0.038)	ND(0.039)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.039)
cis-1,3-Dichloropropene	ND(0.038)	ND(0.039)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.039)
Cyclohexane	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.17)
Dibromochloromethane	ND(0.076)	ND(0.078)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.078)
Dichlorodifluoromethane (CFC-12)	ND(0.076)	ND(0.078)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.078)
Ethylbenzene	0.043	ND(0.039)	NS	NS	NS	NS	NS	NS	NS	NS	0.11
m&p-Xylene	0.23	0.074 J	NS	NS	NS	NS	NS	NS	NS	NS	0.47

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-09-15	RFI-09-15	RFI-09-16	RFI-09-18	RFI-09-19	RFI-09-20	RFI-09-21	RFI-09-22	RFI-09-22	RFI-09-23	RFI-09-23
Sample Depth(feet):	0.5-1.5	1.9-3.9	1-3	1-3	0.5-2.5	0.5-2.5	0.5-2.5	0-2	2-4	0-2	2-4
Date Collected:	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01
Methyl acetate	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.17)
Methyl Tert Butyl Ether	ND(0.27)	ND(0.28)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.28)
Methylcyclohexane	0.31	0.13 J	NS	NS	NS	NS	NS	NS	NS	NS	0.31
Methylene chloride	0.084 J	0.031 J	NS	NS	NS	NS	NS	NS	NS	NS	0.098 J
o-Xylene	0.15	0.054	NS	NS	NS	NS	NS	NS	NS	NS	0.27
Styrene	ND(0.038)	ND(0.039)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.039)
Tetrachloroethene	ND(0.038)	ND(0.039)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.039)
Toluene	0.15	0.048	NS	NS	NS	NS	NS	NS	NS	NS	0.2
trans-1,2-Dichloroethene	ND(0.038)	ND(0.039)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.039)
trans-1,3-Dichloropropene	ND(0.038)	ND(0.039)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.039)
Trichloroethene	0.83	0.12	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.039)
Trichlorofluoromethane (CFC-11)	ND(0.076)	ND(0.078)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.078)
Trifluorotrichloroethane (Freon 113)	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.17)
Vinyl chloride	ND(0.038)	ND(0.039)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.039)
Xylenes (total)	0.38	0.13	NS	NS	NS	NS	NS	NS	NS	NS	0.74
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.19)	ND(0.19) J	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
2,4,6-Trichlorophenol	ND(0.19)	ND(0.19) J	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
2,4-Dichlorophenol	ND(0.19)	ND(0.19)	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
2,4-Dimethylphenol	ND(0.19)	ND(0.19)	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
2,4-Dinitrophenol	ND(0.73)	ND(0.74) J	NS	NS	ND(0.73)	ND(0.74)	ND(0.74)	NS	NS	NS	ND(0.74)
2,4-Dinitrotoluene	ND(0.73)	ND(0.74) J	NS	NS	ND(0.73)	ND(0.74)	ND(0.74)	NS	NS	NS	ND(0.74)
2,6-Dinitrotoluene	ND(0.19)	ND(0.19) J	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
2-Chloronaphthalene	ND(0.19)	ND(0.19) J	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
2-Chlorophenol	ND(0.19)	ND(0.19)	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
2-Methyl naphthalene	0.17 J	0.13 J	NS	NS	0.29	0.18 J	ND(0.19)	NS	NS	NS	ND(0.19)
2-Methylphenol	ND(0.19)	ND(0.19)	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
2-Nitroaniline	ND(0.73)	ND(0.74) J	NS	NS	ND(0.73)	ND(0.74)	ND(0.74)	NS	NS	NS	ND(0.74)
2-Nitrophenol	ND(0.19)	ND(0.19)	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
3&4-Methylphenol	ND(0.37) J	ND(0.38) J	NS	NS	ND(0.37) J	ND(0.37) J	ND(0.38) J	NS	NS	NS	ND(0.37) J
3,3-Dichlorobenzidine	0.73 R	ND(0.74) J	NS	NS	ND(0.73) J	ND(0.74)	ND(0.74) J	NS	NS	NS	ND(0.74) J
3-Nitroaniline	ND(0.73)	ND(0.74) J	NS	NS	ND(0.73)	ND(0.74)	ND(0.74)	NS	NS	NS	ND(0.74)
4,6-Dinitro-2-methylphenol	ND(0.73) J	ND(0.74) J	NS	NS	ND(0.73) J	ND(0.74)	ND(0.74) J	NS	NS	NS	ND(0.74) J
4-Bromophenyl phenyl ether	ND(0.19) J	ND(0.19) J	NS	NS	ND(0.19) J	ND(0.19)	ND(0.19) J	NS	NS	NS	ND(0.19) J
4-Chloro-3-methylphenol	ND(0.19)	ND(0.19)	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-09-15	RFI-09-15	RFI-09-16	RFI-09-18	RFI-09-19	RFI-09-20	RFI-09-21	RFI-09-22	RFI-09-22	RFI-09-23	RFI-09-23
Sample Depth(feet):	0.5-1.5	1.9-3.9	1-3	1-3	0.5-2.5	0.5-2.5	0.5-2.5	0-2	2-4	0-2	2-4
Date Collected:	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01
4-Chloroaniline	ND(0.73)	ND(0.74)	NS	NS	ND(0.73)	ND(0.74)	ND(0.74)	NS	NS	NS	ND(0.74)
4-Chlorophenyl phenyl ether	ND(0.73) J	ND(0.74) J	NS	NS	ND(0.73) J	ND(0.74) J	ND(0.74) J	NS	NS	NS	ND(0.74) J
4-Nitroaniline	ND(0.73)	ND(0.74) J	NS	NS	ND(0.73)	ND(0.74)	ND(0.74)	NS	NS	NS	ND(0.74)
4-Nitrophenol	ND(0.73)	ND(0.74) J	NS	NS	ND(0.73)	ND(0.74)	ND(0.74)	NS	NS	NS	ND(0.74)
Acenaphthene	0.18 J	0.13 J	NS	NS	0.86	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
Acenaphthylene	0.11 J	0.051 J	NS	NS	0.074 J	ND(0.19)	ND(0.19)	NS	NS	NS	0.039 J
Acetophenone	ND(0.19)	ND(0.19)	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
Anthracene	0.87 J	0.55 J	NS	NS	3.6 J	0.12 J	0.043 J	NS	NS	NS	0.047 J
Atrazine	ND(0.19) J	ND(0.19) J	NS	NS	ND(0.19)	ND(0.19)	ND(0.19) J	NS	NS	NS	ND(0.19) J
Benzaldehyde	ND(0.19)	ND(0.19)	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
Benzo(a)anthracene	3.4 J	1.5 J	NS	NS	8.6 DJ	0.48	0.16 J	NS	NS	NS	0.080 J
Benzo(a)pyrene	2.9 J(RDC)	1.6 J	NS	NS	9.2 DJ(RDC)	0.62 J	0.20 J	NS	NS	NS	0.13 J
Benzo(b)fluoranthene	3.6 J	1.3 J	NS	NS	8.1 DJ	0.68 J	0.17 J	NS	NS	NS	0.11 J
Benzo(g,h,i)perylene	2.3 J	2.7 J	NS	NS	14 J	0.27 J	0.25 J	NS	NS	NS	0.29 J
Benzo(k)fluoranthene	2.8 J	1.2 J	NS	NS	6.7 DJ	0.45 J	0.14 J	NS	NS	NS	0.092 J
Biphenyl	ND(0.19)	ND(0.19) J	NS	NS	0.076 J	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
bis(2-Chloroethoxy)methane	ND(0.19)	ND(0.19)	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
bis(2-Chloroethyl)ether	ND(0.036)	ND(0.037)	NS	NS	ND(0.036)	ND(0.036)	ND(0.037)	NS	NS	NS	ND(0.036)
bis(2-Chloroisopropyl)ether	ND(0.19)	ND(0.19)	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
bis(2-Ethylhexyl)phthalate	0.19 R	ND(0.19) J	NS	NS	ND(0.19) J	ND(0.19)	ND(0.19) J	NS	NS	NS	ND(0.19) J
Butyl benzylphthalate	0.19 R	ND(0.19) J	NS	NS	ND(0.19) J	ND(0.19)	ND(0.19) J	NS	NS	NS	0.061 J
Caprolactam	ND(0.19)	ND(0.19)	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
Carbazole	0.22 J	0.20 J	NS	NS	0.54 J	ND(0.19) J	ND(0.19) J	NS	NS	NS	ND(0.19) J
Chrysene	4.0 J	1.8 J	NS	NS	9.0 DJ	0.55	0.18 J	NS	NS	NS	0.13 J
Di-n-butylphthalate	ND(0.19) J	ND(0.19) J	NS	NS	ND(0.19) J	ND(0.19)	ND(0.19) J	NS	NS	NS	ND(0.19) J
Di-n-octyl phthalate	0.19 R	ND(0.19) J	NS	NS	ND(0.19) J	ND(0.19) J	ND(0.19) J	NS	NS	NS	ND(0.19) J
Dibenzo(a,h)anthracene	0.19 R	ND(0.19) J	NS	NS	ND(0.19) J	ND(0.19) J	ND(0.19) J	NS	NS	NS	ND(0.19) J
Dibenzofuran	0.26	0.15 J	NS	NS	0.46	0.065 J	ND(0.19)	NS	NS	NS	ND(0.19)
Diethyl phthalate	ND(0.19)	ND(0.19) J	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
Dimethyl phthalate	ND(0.19)	ND(0.19) J	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
Fluoranthene	3.8 J	2.5 J	NS	NS	19 DJ	0.89	0.27 J	NS	NS	NS	0.093 J
Fluorene	0.3	0.18 J	NS	NS	0.96	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
Hexachlorobenzene	ND(0.19) J	ND(0.19) J	NS	NS	ND(0.19) J	ND(0.19)	ND(0.19) J	NS	NS	NS	ND(0.19) J
Hexachlorobutadiene	ND(0.19)	ND(0.19)	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
Hexachlorocyclopentadiene	ND(0.19)	ND(0.19) J	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
Hexachloroethane	ND(0.19)	ND(0.19)	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
Indeno(1,2,3-cd)pyrene	1.8 J	1.9 J	NS	NS	10 J	0.24 J	0.25 J	NS	NS	NS	0.29 J
Isophorone	ND(0.19)	ND(0.19)	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
Methylphenols, Total	ND(0.37)	ND(0.38)	NS	NS	ND(0.37)	ND(0.37)	ND(0.38)	NS	NS	NS	ND(0.37)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-09-15	RFI-09-15	RFI-09-16	RFI-09-18	RFI-09-19	RFI-09-20	RFI-09-21	RFI-09-22	RFI-09-22	RFI-09-23	RFI-09-23
Sample Depth(feet):	0.5-1.5	1.9-3.9	1-3	1-3	0.5-2.5	0.5-2.5	0.5-2.5	0-2	2-4	0-2	2-4
Date Collected:	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01	09/04/01
N-Nitrosodi-n-propylamine	ND(0.19)	ND(0.19)	NS	NS	ND(0.19)	ND(0.19)	ND(0.19) J	NS	NS	NS	ND(0.19)
N-Nitrosodiphenylamine	ND(0.19) J	ND(0.19) J	NS	NS	ND(0.19) J	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19) J
Naphthalene	0.16 J	0.14 J	NS	NS	0.27	0.14 J	0.041 J	NS	NS	NS	0.074 J
Nitrobenzene	ND(0.073)	ND(0.074)	NS	NS	ND(0.073)	ND(0.074)	ND(0.074)	NS	NS	NS	ND(0.074)
Pentachlorophenol	ND(0.73) J	ND(0.74) J	NS	NS	ND(0.73) J	ND(0.74)	ND(0.74) J	NS	NS	NS	ND(0.74) J
Phenanthrene	3.2 J	2.0 J	NS	NS	11 DJ	0.47	0.21 J	NS	NS	NS	0.098 J
Phenol	ND(0.19)	ND(0.19)	NS	NS	ND(0.19)	ND(0.19)	ND(0.19)	NS	NS	NS	ND(0.19)
Pyrene	16 DJ	3.2 J	NS	NS	17 DJ	1.6	0.33 J	NS	NS	NS	0.16 J
Inorganics											
Antimony	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	720(RDC)	2,200(RDC,IDC)	3,800(RDC,IDC)	1,400(RDC,IDC)	NS	NS	NS	NS	NS	NS	NS
Manganese	NS	NS	NS	NS	NS	NS	NS	160	270	290	170
Mercury	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thallium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs											
Aroclor-1016	ND(0.19)	ND(0.19)	ND(0.041)	ND(0.039)	NS	NS	NS	NS	NS	NS	ND(0.039)
Aroclor-1221	ND(0.19)	ND(0.19)	ND(0.041)	ND(0.039)	NS	NS	NS	NS	NS	NS	ND(0.039)
Aroclor-1232	ND(0.19)	ND(0.19)	ND(0.041)	ND(0.039)	NS	NS	NS	NS	NS	NS	ND(0.039)
Aroclor-1242	ND(0.19)	ND(0.19)	ND(0.041)	ND(0.039)	NS	NS	NS	NS	NS	NS	ND(0.039)
Aroclor-1248	ND(0.19)	ND(0.19)	ND(0.041)	ND(0.039)	NS	NS	NS	NS	NS	NS	ND(0.039)
Aroclor-1254	ND(0.19)	ND(0.19)	ND(0.041)	ND(0.039)	NS	NS	NS	NS	NS	NS	ND(0.039)
Aroclor-1260	2.6	2.6	ND(0.041)	0.068	NS	NS	NS	NS	NS	NS	0.059
Total PCBs	2.6	2.6	ND(0.041)	0.068	NS	NS	NS	NS	NS	NS	0.059

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-09-24	RFI-09-24	RFI-09-25	RFI-09-25	RFI-09-26	RFI-09-27	RFI-09-28	RFI-09-29	RFI-10-01	RFI-10-01	RFI-10-01
Sample Depth(feet):	0-2	2-4	0-2	2-4	0.7-2.7	0.7-2.7	0.5-2.5	0.3-1.7	0.7-2.7	1-3	5-7
Date Collected:	09/04/01	09/04/01	09/04/01	09/04/01	09/05/01	09/04/01	09/05/01	09/05/01	07/20/01	07/26/01	07/26/01
Volatiles											
1,1,1-Trichloroethane	NS	NS	NS	NS	NS	NS	ND(0.038)	NS	0.12	ND(0.039) [ND(0.038)]	ND(0.039)
1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	NS	NS	ND(0.076)	NS	ND(0.075)	ND(0.078) [ND(0.075)]	ND(0.078)
1,1,2-Trichloroethane	NS	NS	NS	NS	NS	NS	ND(0.038)	NS	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.039)
1,1-Dichloroethane	NS	NS	NS	NS	NS	NS	ND(0.038)	NS	0.38	0.057 [0.060]	0.089
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	ND(0.038)	NS	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.039)
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	0.041 J	NS	ND(0.16)	ND(0.17) J [ND(0.16) J]	ND(0.17)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NS	NS	NS	NS	ND(0.16)	NS	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.17)
1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	ND(0.16)	NS	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.17)
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	ND(0.076)	NS	ND(0.075)	ND(0.078) [ND(0.075)]	ND(0.078)
1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	ND(0.038)	NS	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.039)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	NS	NS	NS	NS	NS	NS	ND(0.038)	NS	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.039)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	ND(0.076)	NS	ND(0.075)	ND(0.078) [ND(0.075)]	ND(0.078)
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	ND(0.076)	NS	ND(0.075)	ND(0.078) [ND(0.075)]	ND(0.078)
2-Butanone	NS	NS	NS	NS	NS	NS	0.049 J	NS	0.045 J	0.037 J [ND(0.27)]	ND(0.28) J
2-Hexanone	NS	NS	NS	NS	NS	NS	ND(0.27)	NS	ND(0.27)	ND(0.28) [ND(0.27)]	ND(0.28)
4-Methyl-2-pentanone	NS	NS	NS	NS	NS	NS	ND(0.27)	NS	ND(0.27)	ND(0.28) [ND(0.27)]	ND(0.28)
Acetone	NS	NS	NS	NS	NS	NS	ND(0.27)	NS	ND(0.27) J	ND(0.28) J [ND(0.27) J]	ND(0.28) J
Benzene	NS	NS	NS	NS	NS	NS	0.046	NS	0.083	ND(0.039) [ND(0.038)]	ND(0.039)
Benzene, isopropyl	NS	NS	NS	NS	NS	NS	ND(0.16)	NS	0.081 J	ND(0.17) [ND(0.16)]	ND(0.17)
Bromodichloromethane	NS	NS	NS	NS	NS	NS	ND(0.076)	NS	ND(0.075)	ND(0.078) [ND(0.075)]	ND(0.078)
Bromoform	NS	NS	NS	NS	NS	NS	ND(0.076)	NS	ND(0.075)	ND(0.078) [ND(0.075)]	ND(0.078)
Bromomethane	NS	NS	NS	NS	NS	NS	ND(0.16)	NS	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.17)
Carbon disulfide	NS	NS	NS	NS	NS	NS	ND(0.16)	NS	ND(0.16)	0.038 J [0.032 J]	ND(0.17)
Carbon tetrachloride	NS	NS	NS	NS	NS	NS	ND(0.038)	NS	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.039)
Chlorobenzene	NS	NS	NS	NS	NS	NS	ND(0.038)	NS	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.039)
Chloroethane	NS	NS	NS	NS	NS	NS	ND(0.16)	NS	ND(0.16)	0.13 J [0.10 J]	0.37 J
Chloroform	NS	NS	NS	NS	NS	NS	ND(0.038)	NS	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.039)
Chloromethane	NS	NS	NS	NS	NS	NS	ND(0.16)	NS	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.17)
cis-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	ND(0.038)	NS	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.039)
cis-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	ND(0.038)	NS	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.039)
Cyclohexane	NS	NS	NS	NS	NS	NS	ND(0.16)	NS	0.35 J	ND(0.17) [ND(0.16)]	ND(0.17)
Dibromochloromethane	NS	NS	NS	NS	NS	NS	ND(0.076)	NS	ND(0.075)	ND(0.078) [ND(0.075)]	ND(0.078)
Dichlorodifluoromethane (CFC-12)	NS	NS	NS	NS	NS	NS	ND(0.076)	NS	ND(0.075)	ND(0.078) [ND(0.075)]	ND(0.078)
Ethylbenzene	NS	NS	NS	NS	NS	NS	0.05	NS	0.18	ND(0.039) [ND(0.038)]	ND(0.039)
m&p-Xylene	NS	NS	NS	NS	NS	NS	0.17	NS	0.74	0.037 J [0.039 J]	0.048 J

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-09-24	RFI-09-24	RFI-09-25	RFI-09-25	RFI-09-26	RFI-09-27	RFI-09-28	RFI-09-29	RFI-10-01	RFI-10-01	RFI-10-01
Sample Depth(feet):	0-2	2-4	0-2	2-4	0.7-2.7	0.7-2.7	0.5-2.5	0.3-1.7	0.7-2.7	1-3	5-7
Date Collected:	09/04/01	09/04/01	09/04/01	09/04/01	09/05/01	09/04/01	09/05/01	09/05/01	07/20/01	07/26/01	07/26/01
Methyl acetate	NS	NS	NS	NS	NS	NS	ND(0.16)	NS	ND(0.16)	0.31 [0.25]	0.042 J
Methyl Tert Butyl Ether	NS	NS	NS	NS	NS	NS	ND(0.27)	NS	ND(0.27)	ND(0.28) [ND(0.27)]	ND(0.28)
Methylcyclohexane	NS	NS	NS	NS	NS	NS	0.25 J	NS	1.4	ND(0.17) [0.028 J]	ND(0.17)
Methylene chloride	NS	NS	NS	NS	NS	NS	ND(0.16)	NS	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.17) J
o-Xylene	NS	NS	NS	NS	NS	NS	0.11	NS	0.58	ND(0.039) [ND(0.038)]	ND(0.039)
Styrene	NS	NS	NS	NS	NS	NS	ND(0.038)	NS	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.039)
Tetrachloroethene	NS	NS	NS	NS	NS	NS	ND(0.038)	NS	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.039)
Toluene	NS	NS	NS	NS	NS	NS	0.17	NS	0.65	ND(0.039) [ND(0.038)]	0.029 J
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	ND(0.038)	NS	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.039)
trans-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	ND(0.038)	NS	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.039)
Trichloroethene	NS	NS	NS	NS	NS	NS	ND(0.038)	NS	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.039)
Trichlorofluoromethane (CFC-11)	NS	NS	NS	NS	NS	NS	ND(0.076)	NS	ND(0.075)	ND(0.078) [ND(0.075)]	ND(0.078)
Trifluorotrichloroethane (Freon 113)	NS	NS	NS	NS	NS	NS	ND(0.16)	NS	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.17)
Vinyl chloride	NS	NS	NS	NS	NS	NS	ND(0.038)	NS	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.039)
Xylenes (total)	NS	NS	NS	NS	NS	NS	0.28	NS	1.3	0.037 [0.039]	0.048
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
2,4,6-Trichlorophenol	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
2,4-Dichlorophenol	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
2,4-Dimethylphenol	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
2,4-Dinitrophenol	NS	NS	NS	NS	NS	NS	ND(0.72)	NS	ND(0.72) J	ND(3.6) J [ND(7.3) J]	ND(0.76)
2,4-Dinitrotoluene	NS	NS	NS	NS	NS	NS	ND(0.72)	NS	ND(0.72)	ND(3.6) [ND(7.3)]	ND(0.76)
2,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
2-Chloronaphthalene	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
2-Chlorophenol	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
2-Methyl naphthalene	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	0.14 J
2-Methylphenol	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
2-Nitroaniline	NS	NS	NS	NS	NS	NS	ND(0.72)	NS	ND(0.72)	ND(3.6) [ND(7.3)]	ND(0.76)
2-Nitrophenol	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
3&4-Methylphenol	NS	NS	NS	NS	NS	NS	ND(0.37) J	NS	ND(0.36) J	ND(1.9) J [ND(3.7) J]	ND(0.38) J
3,3-Dichlorobenzidine	NS	NS	NS	NS	NS	NS	ND(0.72) J	NS	ND(0.72) J	ND(3.6) J [ND(7.3) J]	ND(0.76)
3-Nitroaniline	NS	NS	NS	NS	NS	NS	ND(0.72)	NS	ND(0.72)	ND(3.6) [ND(7.3)]	ND(0.76)
4,6-Dinitro-2-methylphenol	NS	NS	NS	NS	NS	NS	ND(0.72) J	NS	ND(0.72) J	ND(3.6) [ND(7.3)]	ND(0.76)
4-Bromophenyl phenyl ether	NS	NS	NS	NS	NS	NS	ND(0.18) J	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
4-Chloro-3-methylphenol	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-09-24	RFI-09-24	RFI-09-25	RFI-09-25	RFI-09-26	RFI-09-27	RFI-09-28	RFI-09-29	RFI-10-01	RFI-10-01	RFI-10-01
Sample Depth(feet):	0-2	2-4	0-2	2-4	0.7-2.7	0.7-2.7	0.5-2.5	0.3-1.7	0.7-2.7	1-3	5-7
Date Collected:	09/04/01	09/04/01	09/04/01	09/04/01	09/05/01	09/04/01	09/05/01	09/05/01	07/20/01	07/26/01	07/26/01
4-Chloroaniline	NS	NS	NS	NS	NS	NS	ND(0.72)	NS	ND(0.72)	ND(3.6) [ND(7.3)]	ND(0.76)
4-Chlorophenyl phenyl ether	NS	NS	NS	NS	NS	NS	ND(0.72) J	NS	ND(0.72) J	ND(3.6) [ND(7.3)]	ND(0.76)
4-Nitroaniline	NS	NS	NS	NS	NS	NS	ND(0.72)	NS	ND(0.72)	ND(3.6) [ND(7.3)]	ND(0.76)
4-Nitrophenol	NS	NS	NS	NS	NS	NS	ND(0.72)	NS	ND(0.72) J	ND(3.6) [ND(7.3)]	ND(0.76)
Acenaphthene	NS	NS	NS	NS	NS	NS	ND(0.18) J	NS	ND(0.18)	ND(0.93) [0.48 J]	ND(0.19)
Acenaphthylene	NS	NS	NS	NS	NS	NS	ND(0.18) J	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
Acetophenone	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
Anthracene	NS	NS	NS	NS	NS	NS	0.076 J	NS	ND(0.18)	0.37 J [ND(1.8)]	ND(0.19)
Atrazine	NS	NS	NS	NS	NS	NS	ND(0.18) J	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
Benzaldehyde	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18) J	ND(0.93) [ND(1.8)]	ND(0.19) J
Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	0.40 J	NS	0.089 J	0.83 J [ND(1.8) J]	ND(0.19)
Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	0.45 J	NS	0.12 J	ND(0.93) J [ND(1.8) J]	ND(0.19) J
Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	0.34 J	NS	0.12 J	1.7 J [ND(1.8) J]	ND(0.19) J
Benzo(g,h,i)perylene	NS	NS	NS	NS	NS	NS	0.55 J	NS	ND(0.18) J	ND(0.93) J [ND(1.8) J]	ND(0.19) J
Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	0.33 J	NS	0.12 J	0.92 J [ND(1.8) J]	ND(0.19) J
Biphenyl	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
bis(2-Chloroethoxy)methane	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
bis(2-Chloroethyl)ether	NS	NS	NS	NS	NS	NS	ND(0.036)	NS	ND(0.035)	ND(0.18) [ND(0.36)]	ND(0.037)
bis(2-Chloroisopropyl)ether	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS	NS	NS	ND(0.18) J	NS	ND(0.18) J	ND(0.93) J [ND(1.8) J]	ND(0.19)
Butyl benzylphthalate	NS	NS	NS	NS	NS	NS	ND(0.18) J	NS	ND(0.18) J	ND(0.93) J [ND(1.8) J]	ND(0.19)
Caprolactam	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) J [ND(1.8) J]	ND(0.19)
Carbazole	NS	NS	NS	NS	NS	NS	ND(0.18) J	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19) J
Chrysene	NS	NS	NS	NS	NS	NS	0.42 J	NS	0.11 J	1.2 J [ND(1.8) J]	0.47 J
Di-n-butylphthalate	NS	NS	NS	NS	NS	NS	0.060 J	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
Di-n-octyl phthalate	NS	NS	NS	NS	NS	NS	ND(0.18) J	NS	ND(0.18) J	ND(0.93) J [ND(1.8) J]	ND(0.19) J
Dibenzo(a,h)anthracene	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18) J	ND(0.93) J [ND(1.8) J]	ND(0.19) J
Dibenzofuran	NS	NS	NS	NS	NS	NS	ND(0.18) J	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
Diethyl phthalate	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
Dimethyl phthalate	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
Fluoranthene	NS	NS	NS	NS	NS	NS	0.57 J	NS	0.14 J	1.7 J [ND(1.8)]	ND(0.19)
Fluorene	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
Hexachlorobenzene	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
Hexachlorobutadiene	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
Hexachlorocyclopentadiene	NS	NS	NS	NS	NS	NS	ND(0.18) J	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
Hexachloroethane	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	0.47 J	NS	ND(0.18) J	ND(0.93) J [ND(1.8) J]	ND(0.19) J
Isophorone	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
Methylphenols, Total	NS	NS	NS	NS	NS	NS	ND(0.37)	NS	ND(0.36)	ND(1.9) [ND(3.7)]	ND(0.38)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-09-24	RFI-09-24	RFI-09-25	RFI-09-25	RFI-09-26	RFI-09-27	RFI-09-28	RFI-09-29	RFI-10-01	RFI-10-01	RFI-10-01
Sample Depth(feet):	0-2	2-4	0-2	2-4	0.7-2.7	0.7-2.7	0.5-2.5	0.3-1.7	0.7-2.7	1-3	5-7
Date Collected:	09/04/01	09/04/01	09/04/01	09/04/01	09/05/01	09/04/01	09/05/01	09/05/01	07/20/01	07/26/01	07/26/01
N-Nitrosodi-n-propylamine	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
N-Nitrosodiphenylamine	NS	NS	NS	NS	NS	NS	ND(0.18) J	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
Naphthalene	NS	NS	NS	NS	NS	NS	0.038 J	NS	0.063 J	ND(0.93) [ND(1.8)]	0.22
Nitrobenzene	NS	NS	NS	NS	NS	NS	ND(0.072)	NS	ND(0.072)	ND(0.36) [ND(0.73)]	ND(0.076)
Pentachlorophenol	NS	NS	NS	NS	NS	NS	ND(0.72) J	NS	ND(0.72)	ND(3.6) [ND(7.3)]	ND(0.76)
Phenanthrene	NS	NS	NS	NS	NS	NS	0.34 J	NS	0.14 J	1.3 [1.1 J]	ND(0.19)
Phenol	NS	NS	NS	NS	NS	NS	ND(0.18)	NS	ND(0.18)	ND(0.93) [ND(1.8)]	ND(0.19)
Pyrene	NS	NS	NS	NS	NS	NS	0.79 J	NS	0.18 J	2.9 J [ND(1.8) J]	0.72 J
Inorganics											
Antimony	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.23) J	ND(2.1) [ND(3.1)]	ND(3.6)
Arsenic	NS	NS	NS	NS	NS	NS	NS	NS	4.2	6 [5.4]	8.1(RDC)
Barium	NS	NS	NS	NS	NS	NS	NS	NS	26 J	200 [130]	280
Beryllium	NS	NS	NS	NS	NS	NS	NS	NS	0.22	0.17 [0.18]	0.19
Cadmium	NS	NS	NS	NS	NS	NS	NS	NS	0.36	0.51 [0.39]	0.45
Chromium	NS	NS	NS	NS	NS	NS	NS	NS	22 J	35 [61]	59
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	NS	NS	NS	2.8	6.7 [6.6]	8.8
Copper	NS	NS	NS	NS	NS	NS	NS	NS	28 J	170 J [210 J]	300 J
Cyanide (total)	NS	NS	NS	NS	NS	NS	NS	NS	0.20 R	0.39 [0.39]	0.67
Lead	NS	NS	NS	NS	NS	NS	NS	NS	43 J	180 J [2,200 J(RDC,IDC)]	380 J
Manganese	3,100(IPSIC)	95 [85]	3,900(RPSIC,IPSIC)	510	NS	NS	NS	NS	420 J	300 J [330 J]	430 J
Mercury	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.073)	0.059 J [0.044 J]	0.12
Nickel	NS	NS	NS	NS	NS	NS	NS	NS	14	36 [32]	72
Selenium	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.33) J [ND(0.58)]	ND(0.28) J
Silver	NS	NS	NS	NS	NS	NS	NS	NS	0.079 J	0.13 J [0.12 J]	0.19 J
Thallium	NS	NS	NS	NS	NS	NS	NS	NS	0.082 J	0.089 J [0.10 J]	0.091 J
Vanadium	NS	NS	NS	NS	NS	NS	NS	NS	8.6	16 [15]	14
Zinc	NS	NS	NS	NS	NS	NS	NS	NS	80 J	110 [62]	75
PCBs											
Aroclor-1016	NS	NS	NS	NS	ND(0.039)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.038)]	ND(0.040)
Aroclor-1221	NS	NS	NS	NS	ND(0.039)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.038)]	ND(0.040)
Aroclor-1232	NS	NS	NS	NS	ND(0.039)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.038)]	ND(0.040)
Aroclor-1242	NS	NS	NS	NS	ND(0.039)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.038)]	ND(0.040)
Aroclor-1248	NS	NS	NS	NS	ND(0.039)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.038)]	ND(0.040)
Aroclor-1254	NS	NS	NS	NS	0.086	ND(0.037)	0.089	0.43	ND(0.037)	0.26 [0.14]	ND(0.040)
Aroclor-1260	NS	NS	NS	NS	0.026 J	0.037	ND(0.038)	0.082	ND(0.037)	0.042 [0.025 J]	ND(0.040)
Total PCBs	NS	NS	NS	NS	0.11	0.037	0.089	0.51	ND(0.037)	0.3 [0.17]	ND(0.040)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-10-01	RFI-10-02	RFI-10-02	RFI-10-03	RFI-10-03	RFI-10-04	RFI-10-05	RFI-10-05	RFI-10-05	RFI-10-06	RFI-10-06
Sample Depth(feet):	9-11	0.8-2.8	6.8-8.8	0.6-2.6	6.6-8.6	3-4.7	0-2	10-12	8-10	4-6	6-8
Date Collected:	07/20/01	06/27/01	06/27/01	06/27/01	06/27/01	07/19/01	08/27/01	08/27/01	08/27/01	07/20/01	07/20/01
Volatiles											
1,1,1-Trichloroethane	ND(0.13)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	ND(0.040)	ND(0.044)	ND(0.037) [ND(0.038)]	ND(0.042)	ND(0.038) [ND(0.039)]
1,1,2,2-Tetrachloroethane	ND(0.13)	ND(0.076)	ND(0.078)	ND(0.086)	ND(0.080)	ND(0.083)	ND(0.080)	ND(0.088)	ND(0.073) [ND(0.077)]	ND(0.084)	ND(0.075) [ND(0.077)]
1,1,2-Trichloroethane	ND(0.13)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	ND(0.040)	ND(0.044)	ND(0.037) [ND(0.038)]	ND(0.042)	ND(0.038) [ND(0.039)]
1,1-Dichloroethane	0.60 J	0.22	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	ND(0.040)	ND(0.044)	ND(0.037) [ND(0.038)]	ND(0.042)	ND(0.038) [ND(0.039)]
1,1-Dichloroethene	ND(0.13)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	ND(0.040)	ND(0.044)	ND(0.037) [ND(0.038)]	ND(0.042)	ND(0.038) [ND(0.039)]
1,2,4-Trichlorobenzene	ND(0.13)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.16) [ND(0.16) J]	ND(0.18)	ND(0.16) [ND(0.17)]
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.13)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16) [ND(0.17)]
1,2-Dibromoethane (EDB)	ND(0.13)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16) [ND(0.17)]
1,2-Dichlorobenzene	ND(0.13)	ND(0.076)	ND(0.078)	ND(0.086)	ND(0.080)	ND(0.083)	ND(0.080)	ND(0.088)	ND(0.073) [ND(0.077)]	ND(0.084)	ND(0.075) [ND(0.077)]
1,2-Dichloroethane	ND(0.13)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	ND(0.040)	ND(0.044)	ND(0.037) [ND(0.038)]	ND(0.042)	ND(0.038) [ND(0.039)]
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.13)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	ND(0.040)	ND(0.044)	ND(0.037) [ND(0.038)]	ND(0.042)	ND(0.038) [ND(0.039)]
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.13)	ND(0.076)	ND(0.078)	ND(0.086)	ND(0.080)	ND(0.083)	ND(0.080)	ND(0.088)	ND(0.073) [ND(0.077)]	ND(0.084)	ND(0.075) [ND(0.077)]
1,4-Dichlorobenzene	ND(0.13)	0.033 J	ND(0.078)	ND(0.086)	ND(0.080)	ND(0.083)	ND(0.080)	ND(0.088)	ND(0.073) [ND(0.077)]	ND(0.084)	ND(0.075) [ND(0.077)]
2-Butanone	ND(0.63) J	ND(0.27)	ND(0.28)	ND(0.31)	ND(0.29)	ND(0.30)	ND(0.29)	ND(0.31)	ND(0.26) [0.031 J]	ND(0.30)	ND(0.27) [ND(0.28)]
2-Hexanone	ND(0.63) J	ND(0.27)	ND(0.28)	ND(0.31)	ND(0.29)	ND(0.30)	ND(0.29)	ND(0.31)	ND(0.26) [ND(0.27)]	ND(0.30)	ND(0.27) [ND(0.28)]
4-Methyl-2-pentanone	ND(0.63)	ND(0.27)	ND(0.28)	ND(0.31)	ND(0.29)	ND(0.30)	ND(0.29)	ND(0.31)	ND(0.26) [ND(0.27)]	ND(0.30)	ND(0.27) [ND(0.28)]
Acetone	ND(0.63) J	0.051 J	0.062 J	0.086 J	ND(0.29) J	ND(0.30)	ND(0.29) J	ND(0.31) J	ND(0.26) J [ND(0.27) J]	ND(0.30) J	ND(0.27) J [ND(0.28) J]
Benzene	ND(0.13)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	ND(0.040)	ND(0.044)	ND(0.037) [ND(0.038)]	ND(0.042)	ND(0.038) [ND(0.039)]
Benzene, isopropyl	ND(0.13)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16) [ND(0.17)]
Bromodichloromethane	ND(0.13)	ND(0.076)	ND(0.078)	ND(0.086)	ND(0.080)	ND(0.083)	ND(0.080)	ND(0.088)	ND(0.073) [ND(0.077)]	ND(0.084)	ND(0.075) [ND(0.077)]
Bromoform	ND(0.13)	ND(0.076)	ND(0.078)	ND(0.086)	ND(0.080)	ND(0.083)	ND(0.080)	ND(0.088)	ND(0.073) [ND(0.077)]	ND(0.084)	ND(0.075) [ND(0.077)]
Bromomethane	ND(0.13)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16) [ND(0.17)]
Carbon disulfide	ND(0.13)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16) [ND(0.17)]
Carbon tetrachloride	ND(0.13)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	ND(0.040)	ND(0.044)	ND(0.037) [ND(0.038)]	ND(0.042)	ND(0.038) [ND(0.039)]
Chlorobenzene	ND(0.13)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	ND(0.040)	ND(0.044)	ND(0.037) [ND(0.038)]	ND(0.042)	ND(0.038) [ND(0.039)]
Chloroethane	ND(0.13)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17) J	ND(0.19) J	ND(0.16) J [ND(0.16)]	ND(0.18)	ND(0.16) [ND(0.17)]
Chloroform	ND(0.13)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	ND(0.040)	ND(0.044)	ND(0.037) [ND(0.038)]	ND(0.042)	ND(0.038) [ND(0.039)]
Chloromethane	ND(0.13)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16) [ND(0.17)]
cis-1,2-Dichloroethene	ND(0.13)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	ND(0.040)	ND(0.044)	ND(0.037) [ND(0.038)]	ND(0.042)	ND(0.038) [ND(0.039)]
cis-1,3-Dichloropropene	ND(0.13)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	ND(0.040)	ND(0.044)	ND(0.037) [ND(0.038)]	ND(0.042)	ND(0.038) [ND(0.039)]
Cyclohexane	ND(0.63)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17) J	ND(0.19) J	ND(0.16) J [ND(0.16) J]	ND(0.18) J	ND(0.16) J [ND(0.17) J]
Dibromochloromethane	ND(0.13)	ND(0.076)	ND(0.078)	ND(0.086)	ND(0.080)	ND(0.083)	ND(0.080)	ND(0.088)	ND(0.073) [ND(0.077)]	ND(0.084)	ND(0.075) [ND(0.077)]
Dichlorodifluoromethane (CFC-12)	ND(0.13)	ND(0.076)	ND(0.078)	ND(0.086)	ND(0.080)	ND(0.083)	ND(0.080)	ND(0.088)	ND(0.073) [ND(0.077)]	ND(0.084)	ND(0.075) [ND(0.077)]
Ethylbenzene	ND(0.13)	0.043	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	ND(0.040)	ND(0.044)	ND(0.037) [ND(0.038)]	ND(0.042)	ND(0.038) [ND(0.039)]
m&p-Xylene	0.13 J	0.16	ND(0.078)	ND(0.086)	ND(0.080)	ND(0.083)	ND(0.080)	ND(0.088)	ND(0.073) [ND(0.077)]	ND(0.084)	ND(0.075) [ND(0.077)]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-10-01	RFI-10-02	RFI-10-02	RFI-10-03	RFI-10-03	RFI-10-04	RFI-10-05	RFI-10-05	RFI-10-05	RFI-10-06	RFI-10-06
Sample Depth(feet):	9-11	0.8-2.8	6.8-8.8	0.6-2.6	6.6-8.6	3-4.7	0-2	10-12	8-10	4-6	6-8
Date Collected:	07/20/01	06/27/01	06/27/01	06/27/01	06/27/01	07/19/01	08/27/01	08/27/01	08/27/01	07/20/01	07/20/01
Methyl acetate	0.18 J	0.10 J	0.038 J	0.045 J	0.034 J	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16) [ND(0.17)]
Methyl Tert Butyl Ether	ND(0.13)	ND(0.27)	ND(0.28)	ND(0.31)	ND(0.29)	ND(0.30)	ND(0.29)	ND(0.31)	ND(0.26) [ND(0.27)]	ND(0.30)	ND(0.27) [ND(0.28)]
Methylcyclohexane	ND(0.63)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	0.045 J	0.030 J	ND(0.19)	ND(0.16) [ND(0.16) J]	ND(0.18)	ND(0.16) [ND(0.17)]
Methylene chloride	ND(0.63) J	ND(0.16) J	ND(0.17) J	ND(0.18) J	ND(0.17) J	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16) [ND(0.17)]
o-Xylene	ND(0.13)	0.053	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	ND(0.040)	ND(0.044)	ND(0.037) [ND(0.038)]	ND(0.042)	ND(0.038) [ND(0.039)]
Styrene	ND(0.13)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	ND(0.040)	ND(0.044)	ND(0.037) [ND(0.038)]	ND(0.042)	ND(0.038) [ND(0.039)]
Tetrachloroethene	ND(0.13)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	ND(0.040)	ND(0.044)	ND(0.037) [ND(0.038)]	ND(0.042)	ND(0.038) [ND(0.039)]
Toluene	0.18 J	0.079	0.05	ND(0.043)	ND(0.040)	ND(0.042)	ND(0.040)	ND(0.044)	ND(0.037) [ND(0.038)]	ND(0.042)	ND(0.038) [ND(0.039)]
trans-1,2-Dichloroethene	ND(0.13)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	ND(0.040)	ND(0.044)	ND(0.037) [ND(0.038)]	ND(0.042)	ND(0.038) [ND(0.039)]
trans-1,3-Dichloropropene	ND(0.13)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	ND(0.040)	ND(0.044)	ND(0.037) [ND(0.038)]	ND(0.042)	ND(0.038) [ND(0.039)]
Trichloroethene	ND(0.13)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	ND(0.040)	ND(0.044)	ND(0.037) [ND(0.038)]	ND(0.042)	ND(0.038) [ND(0.039)]
Trichlorofluoromethane (CFC-11)	ND(0.13)	ND(0.076)	ND(0.078)	ND(0.086)	ND(0.080)	ND(0.083)	ND(0.080)	ND(0.088)	ND(0.073) [ND(0.077)]	ND(0.084)	ND(0.075) [ND(0.077)]
Trifluorotrichloroethane (Freon 113)	ND(0.63)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16) [ND(0.17)]
Vinyl chloride	ND(0.13)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	ND(0.040)	ND(0.044)	ND(0.037) [ND(0.038)]	ND(0.042)	ND(0.038) [ND(0.039)]
Xylenes (total)	0.13	0.21	ND(0.078)	ND(0.086)	ND(0.080)	ND(0.083)	ND(0.080)	ND(0.088)	ND(0.073) [ND(0.077)]	ND(0.084)	ND(0.075) [ND(0.077)]
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
2,4,6-Trichlorophenol	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
2,4-Dichlorophenol	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
2,4-Dimethylphenol	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
2,4-Dinitrophenol	ND(200)	ND(3.6) J	ND(0.75)	ND(0.83)	ND(0.76)	ND(0.80)	NS	NS	[ND(0.72)]	ND(0.78) J	ND(0.71) J [ND(0.73) J]
2,4-Dinitrotoluene	ND(49)	ND(3.6)	ND(0.75)	ND(0.83)	ND(0.76)	ND(0.80)	NS	NS	[ND(0.72)]	ND(0.78)	ND(0.71) [ND(0.73)]
2,6-Dinitrotoluene	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
2-Chloronaphthalene	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
2-Chlorophenol	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
2-Methyl naphthalene	ND(49)	0.78 J	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
2-Methylphenol	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19) J]
2-Nitroaniline	ND(200)	ND(3.6)	ND(0.75)	ND(0.83)	ND(0.76)	ND(0.80)	NS	NS	[ND(0.72)]	ND(0.78)	ND(0.71) [ND(0.73)]
2-Nitrophenol	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
3&4-Methylphenol	ND(99) J	ND(1.8)	ND(0.38) J	ND(0.42) J	ND(0.39) J	ND(0.41) J	NS	NS	[ND(0.37)]	ND(0.40) J	ND(0.36) J [ND(0.37) J]
3,3-Dichlorobenzidine	ND(200)	ND(3.6)	ND(0.75)	ND(0.83) J	ND(0.76)	ND(0.80)	NS	NS	[ND(0.72)]	ND(0.78)	ND(0.71) [ND(0.73)]
3-Nitroaniline	ND(200)	ND(3.6)	ND(0.75)	ND(0.83)	ND(0.76)	ND(0.80)	NS	NS	[ND(0.72)]	ND(0.78)	ND(0.71) [ND(0.73)]
4,6-Dinitro-2-methylphenol	ND(200)	ND(3.6)	ND(0.75)	ND(0.83)	ND(0.76)	ND(0.80)	NS	NS	[ND(0.72)]	ND(0.78)	ND(0.71) J [ND(0.73)]
4-Bromophenyl phenyl ether	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
4-Chloro-3-methylphenol	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-10-01	RFI-10-02	RFI-10-02	RFI-10-03	RFI-10-03	RFI-10-04	RFI-10-05	RFI-10-05	RFI-10-05	RFI-10-06	RFI-10-06
Sample Depth(feet):	9-11	0.8-2.8	6.8-8.8	0.6-2.6	6.6-8.6	3-4.7	0-2	10-12	8-10	4-6	6-8
Date Collected:	07/20/01	06/27/01	06/27/01	06/27/01	06/27/01	07/19/01	08/27/01	08/27/01	08/27/01	07/20/01	07/20/01
4-Chloroaniline	ND(200)	ND(3.6)	ND(0.75)	ND(0.83)	ND(0.76)	ND(0.80)	NS	NS	[ND(0.72)]	ND(0.78)	ND(0.71) [ND(0.73)]
4-Chlorophenyl phenyl ether	ND(49)	ND(3.6)	ND(0.75)	ND(0.83)	ND(0.76)	ND(0.80) J	NS	NS	[ND(0.72)]	ND(0.78) J	ND(0.71) J [ND(0.73) J]
4-Nitroaniline	ND(200)	ND(3.6)	ND(0.75)	ND(0.83)	ND(0.76)	ND(0.80)	NS	NS	[ND(0.72)]	ND(0.78)	ND(0.71) [ND(0.73) J]
4-Nitrophenol	ND(200) J	ND(3.6)	ND(0.75)	ND(0.83)	ND(0.76)	ND(0.80)	NS	NS	[ND(0.72)]	ND(0.78)	ND(0.71) J [ND(0.73)]
Acenaphthene	ND(49)	2.4	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Acenaphthylene	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Acetophenone	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Anthracene	ND(49)	2.1	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Atrazine	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Benzaldehyde	ND(49) J	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20) J	NS	NS	[ND(0.18)]	ND(0.20) J	ND(0.18) J [ND(0.19) J]
Benzo(a)anthracene	ND(49)	2.9	ND(0.19)	ND(0.21) J	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	0.041 J	ND(0.18) [ND(0.19)]
Benzo(a)pyrene	ND(49) J	2.4 J(RDC)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Benzo(b)fluoranthene	ND(49) J	2.9 J	0.18 J	ND(0.21) J	ND(0.19) J	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Benzo(g,h,i)perylene	ND(49) J	1.6 J	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Benzo(k)fluoranthene	ND(49) J	2.1 J	0.17 J	ND(0.21) J	ND(0.19) J	0.050 J	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Biphenyl	ND(49)	0.32 J	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
bis(2-Chloroethoxy)methane	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
bis(2-Chloroethyl)ether	ND(49)	ND(0.18)	ND(0.037)	ND(0.041)	ND(0.037)	ND(0.039)	NS	NS	[ND(0.036)]	ND(0.039)	ND(0.035) [ND(0.036)]
bis(2-Chloroisopropyl)ether	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
bis(2-Ethylhexyl)phthalate	ND(49)	0.54 J	ND(0.19)	ND(0.21) J	ND(0.19)	0.14 J	NS	NS	[0.20]	ND(0.20)	ND(0.18) [ND(0.19)]
Butyl benzylphthalate	ND(49)	ND(0.91)	ND(0.19)	ND(0.21) J	ND(0.19)	ND(0.20)	NS	NS	[0.11 J]	ND(0.20)	ND(0.18) [ND(0.19)]
Caprolactam	ND(49) J	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19) J]
Carbazole	ND(49)	0.68 J	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Chrysene	ND(49)	3.4	ND(0.19)	ND(0.21) J	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Di-n-butylphthalate	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[0.068 J]	ND(0.20)	ND(0.18) [ND(0.19)]
Di-n-octyl phthalate	ND(49) J	ND(0.91) J	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[0.16 J]	ND(0.20)	ND(0.18) [ND(0.19)]
Dibenzo(a,h)anthracene	ND(49) J	ND(0.91) J	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Dibenzofuran	ND(49)	2	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Diethyl phthalate	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Dimethyl phthalate	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Fluoranthene	ND(49)	12 D	0.076 J	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	0.15 J	0.040 J [ND(0.19)]
Fluorene	ND(49)	2.2	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Hexachlorobenzene	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Hexachlorobutadiene	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Hexachlorocyclopentadiene	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	0.15 J	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Hexachloroethane	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Indeno(1,2,3-cd)pyrene	ND(49) J	1.3 J	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Isophorone	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Methylphenols, Total	ND(99)	ND(1.8)	ND(0.38)	ND(0.42)	ND(0.39)	ND(0.41)	NS	NS	[ND(0.37)]	ND(0.40)	ND(0.36) [ND(0.37)]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-10-01	RFI-10-02	RFI-10-02	RFI-10-03	RFI-10-03	RFI-10-04	RFI-10-05	RFI-10-05	RFI-10-05	RFI-10-06	RFI-10-06
Sample Depth(feet):	9-11	0.8-2.8	6.8-8.8	0.6-2.6	6.6-8.6	3-4.7	0-2	10-12	8-10	4-6	6-8
Date Collected:	07/20/01	06/27/01	06/27/01	06/27/01	06/27/01	07/19/01	08/27/01	08/27/01	08/27/01	07/20/01	07/20/01
N-Nitrosodi-n-propylamine	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
N-Nitrosodiphenylamine	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Naphthalene	ND(49)	0.93	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Nitrobenzene	ND(49)	ND(0.36)	ND(0.075)	ND(0.083)	ND(0.076)	ND(0.080)	NS	NS	[ND(0.072)]	ND(0.078)	ND(0.071) [ND(0.073)]
Pentachlorophenol	ND(200)	ND(3.6)	ND(0.75)	ND(0.83)	ND(0.76)	ND(0.80)	NS	NS	[ND(0.72)]	ND(0.78)	ND(0.71) [ND(0.73)]
Phenanthrene	ND(49)	16 D	0.077 J	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	0.11 J	ND(0.18) [ND(0.19)]
Phenol	ND(49)	ND(0.91)	ND(0.19)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	ND(0.20)	ND(0.18) [ND(0.19)]
Pyrene	ND(49)	14 D	0.066 J	ND(0.21) J	ND(0.19)	ND(0.20)	NS	NS	[ND(0.18)]	0.11 J	ND(0.18) [ND(0.19)]
Inorganics											
Antimony	1.9 R	0.039 J	0.46 J	0.22 R	0.24 R	0.23 R	NS	NS	[ND(0.37)]	ND(0.24) J	ND(0.19) J [ND(0.24) J]
Arsenic	40 J(RDC)	3.6	2.3	8.9(RDC)	3.4	6.8	NS	NS	[ND(5.2)]	6.7	2 [2.0]
Barium	4.5 J	53	21	110	17	46	NS	NS	[8.0]	32 J	10 J [13 J]
Beryllium	ND(0.94)	0.25	0.16	0.87	0.15	0.54	NS	NS	[0.10]	0.45	0.13 [0.16]
Cadmium	0.33 J	0.38	0.087	0.068	0.075	0.11	NS	NS	[0.098]	0.08	0.04 [0.036]
Chromium	750	52	6.6	24	6.2	19	NS	NS	[4.8]	13 J	4.7 J [5.3 J]
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	38	3.5 J	2.3 J	12 J	2.6 J	6.4	NS	NS	[2.4]	7.7	1.8 [2.0]
Copper	690	41 J	2.8 J	17 J	6.7 J	15	NS	NS	[6.3]	12 J	4.1 J [4.2 J]
Cyanide (total)	0.14 J	0.10 J	0.029 J	0.032 J	0.016 J	0.047 J	NS	NS	[ND(0.20)]	0.20 R	0.20 R [0.20 R]
Lead	71 J	52	4.4	14	4.4	21	NS	NS	[5.5]	8.2 J	2.9 J [3.0 J]
Manganese	3,000(IPSIC)	270	130	210	140	160 J	NS	NS	[140]	500 J	110 J [120 J]
Mercury	ND(0.020)	0.050 J	ND(0.075)	0.025 J	ND(0.078)	0.045 J	NS	NS	[ND(0.074)]	0.024 J	ND(0.073) [ND(0.075)]
Nickel	340	20 J	6.2 J	27 J	7.3 J	20	NS	NS	[6.2]	15	4.7 [5.2]
Selenium	0.68 J	0.067 J	ND(0.079)	0.097	ND(0.098)	0.44	NS	NS	[0.076 J]	ND(0.53)	ND(0.077) [ND(0.096)]
Silver	0.32 J	0.075 J	0.035 J	0.059 J	0.035 J	0.097 J	NS	NS	[0.091 J]	0.074 J	0.029 J [0.025 J]
Thallium	ND(1.9)	0.072 J	0.031 J	0.22 J	0.053 J	0.19 J	NS	NS	[0.063 J]	0.12 J	0.045 J [0.049 J]
Vanadium	44 J	12	11	32	10	26	NS	NS	[8.4]	22	8.4 [10]
Zinc	38 J	56	24	55	24	50	NS	NS	[25]	42 J	16 J [17 J]
PCBs											
Aroclor-1016	ND(0.99)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	NS	NS	[ND(0.038)]	ND(0.041)	ND(0.037) [ND(0.038)]
Aroclor-1221	ND(0.99)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	NS	NS	[ND(0.038)]	ND(0.041)	ND(0.037) [ND(0.038)]
Aroclor-1232	ND(0.99)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	NS	NS	[ND(0.038)]	ND(0.041)	ND(0.037) [ND(0.038)]
Aroclor-1242	ND(0.99)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	NS	NS	[ND(0.038)]	ND(0.041)	ND(0.037) [ND(0.038)]
Aroclor-1248	ND(0.99)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	NS	NS	[ND(0.038)]	ND(0.041)	ND(0.037) [ND(0.038)]
Aroclor-1254	ND(0.99)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	NS	NS	[ND(0.038)]	ND(0.041)	ND(0.037) [ND(0.038)]
Aroclor-1260	ND(0.99)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	NS	NS	[ND(0.038)]	ND(0.041)	ND(0.037) [ND(0.038)]
Total PCBs	ND(0.99)	ND(0.038)	ND(0.039)	ND(0.043)	ND(0.040)	ND(0.042)	NS	NS	[ND(0.038)]	ND(0.041)	ND(0.037) [ND(0.038)]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-10-07	RFI-10-07	RFI-10-08	RFI-10-08	RFI-10-09	RFI-10-10	RFI-10-11	RFI-10-12	RFI-10-12	RFI-10-13	RFI-10-13
Sample Depth(feet):	1-3	7-9	0-2	6-8	0-2	0-2	3-5	0.8-2.8	6.8-8.8	0.7-2.7	8.7-10.7
Date Collected:	11/09/01	11/09/01	06/28/01	06/28/01	06/18/01	06/18/01	07/19/01	06/27/01	06/27/01	07/24/01	07/24/01
Volatiles											
1,1,1-Trichloroethane	2.7	1.5 [1.5]	ND(0.038)	ND(0.042)	ND(0.039)	0.1	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.039)
1,1,2,2-Tetrachloroethane	ND(0.074)	ND(0.077) [ND(0.078)]	ND(0.077)	ND(0.084)	ND(0.078)	ND(0.076)	ND(0.080)	ND(0.074)	ND(0.079)	ND(0.077) J	ND(0.078) J
1,1,2-Trichloroethane	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.039)
1,1-Dichloroethane	0.32	0.081 [0.059]	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.040)	0.23	ND(0.040)	ND(0.038)	ND(0.039)
1,1-Dichloroethene	0.077(RSVIA)	ND(0.038) [ND(0.039)]	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.039)
1,2,4-Trichlorobenzene	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.18)	ND(0.17) J	ND(0.16) J	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) J	ND(0.17) J
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.18)	ND(0.17) J	ND(0.16) J	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)
1,2-Dibromoethane (EDB)	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)
1,2-Dichlorobenzene	ND(0.074)	ND(0.077) [ND(0.078)]	ND(0.077)	ND(0.084)	ND(0.078)	ND(0.076)	ND(0.080)	ND(0.074)	ND(0.079)	ND(0.077)	ND(0.078)
1,2-Dichloroethane	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038) J	ND(0.039) J
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.039)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.074)	ND(0.077) [ND(0.078)]	ND(0.077)	ND(0.084)	ND(0.078)	ND(0.076)	ND(0.080)	ND(0.074)	ND(0.079)	ND(0.077)	ND(0.078)
1,4-Dichlorobenzene	ND(0.074)	ND(0.077) [ND(0.078)]	ND(0.077)	ND(0.084)	ND(0.078)	ND(0.076)	ND(0.080)	ND(0.074)	ND(0.079)	ND(0.077)	ND(0.078)
2-Butanone	0.027 J	ND(0.27) [ND(0.28)]	ND(0.27)	0.042 J	ND(0.28)	0.45	ND(0.29)	0.054 J	ND(0.28)	0.033 J	ND(0.28) J
2-Hexanone	ND(0.26)	ND(0.27) [ND(0.28)]	ND(0.27)	ND(0.30)	ND(0.28)	ND(0.27)	ND(0.29)	ND(0.27)	ND(0.28)	ND(0.27) J	ND(0.28) J
4-Methyl-2-pentanone	ND(0.26)	ND(0.27) [ND(0.28)]	ND(0.27)	ND(0.30)	ND(0.28)	ND(0.27)	ND(0.29)	ND(0.27)	ND(0.28)	ND(0.27) J	ND(0.28) J
Acetone	ND(0.26)	ND(0.27) [ND(0.28)]	0.20 J	0.11 J	ND(0.28)	ND(0.61)	ND(0.29)	0.079 J	0.052 J	ND(1.4) J	ND(1.7) J
Benzene	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.038)	ND(0.042)	ND(0.039)	0.12	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.039)
Benzene, isopropyl	ND(0.16)	ND(0.16) [ND(0.17)]	0.036 J	ND(0.18)	0.12 J	0.59	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)
Bromodichloromethane	ND(0.074)	ND(0.077) [ND(0.078)]	ND(0.077)	ND(0.084)	ND(0.078)	ND(0.076)	ND(0.080)	ND(0.074)	ND(0.079)	ND(0.077)	ND(0.078)
Bromoform	ND(0.074)	ND(0.077) [ND(0.078)]	ND(0.077)	ND(0.084)	ND(0.078)	ND(0.076)	ND(0.080)	ND(0.074)	ND(0.079)	ND(0.077)	ND(0.078)
Bromomethane	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.16) J	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)
Carbon disulfide	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)
Carbon tetrachloride	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.039)
Chlorobenzene	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.039)
Chloroethane	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)
Chloroform	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.039)
Chloromethane	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)
cis-1,2-Dichloroethene	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.039)
cis-1,3-Dichloropropene	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.039)
Cyclohexane	ND(0.16)	ND(0.16) [ND(0.17)]	0.2	ND(0.18)	ND(0.17)	2.8	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)
Dibromochloromethane	ND(0.074)	ND(0.077) [ND(0.078)]	ND(0.077)	ND(0.084)	ND(0.078)	ND(0.076)	ND(0.080)	ND(0.074)	ND(0.079)	ND(0.077)	ND(0.078)
Dichlorodifluoromethane (CFC-12)	ND(0.074)	ND(0.077) [ND(0.078)]	ND(0.077)	ND(0.084)	ND(0.078)	ND(0.076)	ND(0.080)	ND(0.074)	ND(0.079)	ND(0.077)	ND(0.078)
Ethylbenzene	ND(0.037)	ND(0.038) [ND(0.039)]	0.061	ND(0.042)	0.12	0.59	ND(0.040)	0.043	ND(0.040)	ND(0.038)	ND(0.039)
m&p-Xylene	0.091	ND(0.077) [ND(0.078)]	0.26	ND(0.084)	0.58	2.6	ND(0.080)	0.1	ND(0.079)	ND(0.077)	ND(0.078)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-10-07	RFI-10-07	RFI-10-08	RFI-10-08	RFI-10-09	RFI-10-10	RFI-10-11	RFI-10-12	RFI-10-12	RFI-10-13	RFI-10-13
Sample Depth(feet):	1-3	7-9	0-2	6-8	0-2	0-2	3-5	0.8-2.8	6.8-8.8	0.7-2.7	8.7-10.7
Date Collected:	11/09/01	11/09/01	06/28/01	06/28/01	06/18/01	06/18/01	07/19/01	06/27/01	06/27/01	07/24/01	07/24/01
Methyl acetate	ND(0.16)	0.10 J [ND(0.17)]	ND(0.16)	0.069 J	ND(0.17)	ND(0.16)	ND(0.17)	0.14 J	ND(0.17)	0.14 J	ND(0.17) J
Methyl Tert Butyl Ether	ND(0.26)	ND(0.27) [ND(0.28)]	ND(0.27)	ND(0.30)	ND(0.28)	ND(0.27)	ND(0.29)	ND(0.27)	ND(0.28)	ND(0.27)	ND(0.28)
Methylcyclohexane	0.16	0.029 J [ND(0.17)]	0.66 J	ND(0.18)	1.6	14 D	ND(0.17)	0.096 J	ND(0.17)	ND(0.16)	ND(0.17)
Methylene chloride	ND(0.16)	ND(0.16) [ND(0.17)]	0.055 J	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) J	ND(0.17) J	ND(0.16) J	ND(0.17) J
o-Xylene	0.066	ND(0.038) [ND(0.039)]	0.21	ND(0.042)	0.61	2.9	ND(0.040)	0.051	ND(0.040)	ND(0.038)	ND(0.039)
Styrene	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.039)
Tetrachloroethene	0.032 J	ND(0.038) [ND(0.039)]	ND(0.038) J	ND(0.042)	0.05	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.039)
Toluene	0.045	ND(0.038) [ND(0.039)]	0.14	ND(0.042)	0.29	1.4	ND(0.040)	0.066	ND(0.040)	ND(0.038)	ND(0.039)
trans-1,2-Dichloroethene	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.039)
trans-1,3-Dichloropropene	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038) J	ND(0.039) J
Trichloroethene	ND(0.037)	ND(0.038) [ND(0.039)]	0.068	ND(0.042)	0.34	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.039)
Trichlorofluoromethane (CFC-11)	ND(0.074)	ND(0.077) [ND(0.078)]	ND(0.077)	ND(0.084)	ND(0.078)	ND(0.076)	ND(0.080)	ND(0.074)	ND(0.079)	ND(0.077)	ND(0.078)
Trifluorotrichloroethane (Freon 113)	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)
Vinyl chloride	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.038)	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.039)
Xylenes (total)	0.16	ND(0.077) [ND(0.078)]	0.47	ND(0.084)	1.2	5.5	ND(0.080)	0.15	ND(0.079)	ND(0.077)	ND(0.078)
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	ND(0.91)	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	ND(0.91)	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	ND(0.91)	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	ND(0.91)	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
2,4,6-Trichlorophenol	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
2,4-Dichlorophenol	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
2,4-Dimethylphenol	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
2,4-Dinitrophenol	ND(0.72)	ND(0.73) [ND(0.74)]	ND(0.72)	ND(0.79)	ND(3.8)	ND(0.73)	ND(0.78) J	ND(3.6)	ND(0.76)	ND(0.73) J	ND(0.74) J
2,4-Dinitrotoluene	ND(0.72)	ND(0.73) [ND(0.74)]	ND(0.72)	ND(0.79)	ND(3.8)	ND(0.73)	ND(0.78)	ND(3.6)	ND(0.76)	ND(0.73)	ND(0.74)
2,6-Dinitrotoluene	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
2-Chloronaphthalene	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
2-Chlorophenol	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
2-Methyl naphthalene	ND(0.18)	ND(0.18) [0.11 J]	0.13 J	ND(0.20)	ND(0.95)	1.1	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
2-Methylphenol	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
2-Nitroaniline	ND(0.72)	ND(0.73) [ND(0.74)]	ND(0.72)	ND(0.79)	ND(3.8)	ND(0.73)	ND(0.78)	ND(3.6)	ND(0.76)	ND(0.73)	ND(0.74)
2-Nitrophenol	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
3&4-Methylphenol	ND(0.37)	ND(0.37) [ND(0.37)]	ND(0.37) J	ND(0.40) J	ND(1.9)	ND(0.37)	ND(0.40) J	ND(1.8) J	ND(0.39) J	ND(0.37) J	ND(0.37) J
3,3-Dichlorobenzidine	ND(0.72)	ND(0.73) [ND(0.74)]	ND(0.72) J	ND(0.79)	ND(3.8) J	ND(0.73) J	ND(0.78)	ND(3.6) J	ND(0.76)	ND(0.73)	ND(0.74)
3-Nitroaniline	ND(0.72)	ND(0.73) [ND(0.74)]	ND(0.72)	ND(0.79)	ND(3.8)	ND(0.73)	ND(0.78)	ND(3.6)	ND(0.76)	ND(0.73)	ND(0.74)
4,6-Dinitro-2-methylphenol	ND(0.72)	ND(0.73) [ND(0.74)]	ND(0.72)	ND(0.79)	ND(3.8)	ND(0.73)	ND(0.78)	ND(3.6)	ND(0.76)	ND(0.73) J	ND(0.74) J
4-Bromophenyl phenyl ether	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
4-Chloro-3-methylphenol	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-10-07	RFI-10-07	RFI-10-08	RFI-10-08	RFI-10-09	RFI-10-10	RFI-10-11	RFI-10-12	RFI-10-12	RFI-10-13	RFI-10-13
Sample Depth(feet):	1-3	7-9	0-2	6-8	0-2	0-2	3-5	0.8-2.8	6.8-8.8	0.7-2.7	8.7-10.7
Date Collected:	11/09/01	11/09/01	06/28/01	06/28/01	06/18/01	06/18/01	07/19/01	06/27/01	06/27/01	07/24/01	07/24/01
4-Chloroaniline	ND(0.72)	ND(0.73) [ND(0.74)]	ND(0.72)	ND(0.79)	ND(3.8)	ND(0.73)	ND(0.78)	ND(3.6)	ND(0.76)	ND(0.73)	ND(0.74)
4-Chlorophenyl phenyl ether	ND(0.72)	ND(0.73) [ND(0.74)]	ND(0.72)	ND(0.79)	ND(3.8)	ND(0.73)	ND(0.78) J	ND(3.6)	ND(0.76)	ND(0.73)	ND(0.74)
4-Nitroaniline	ND(0.72)	ND(0.73) [ND(0.74)]	ND(0.72)	ND(0.79)	ND(3.8)	ND(0.73)	ND(0.78)	ND(3.6)	ND(0.76)	ND(0.73)	ND(0.74)
4-Nitrophenol	ND(0.72)	ND(0.73) [ND(0.74)]	ND(0.72)	ND(0.79)	ND(3.8)	ND(0.73)	ND(0.78)	ND(3.6)	ND(0.76)	ND(0.73)	ND(0.74)
Acenaphthene	ND(0.18)	0.11 J [0.40]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
Acenaphthylene	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	0.49 J	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
Acetophenone	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
Anthracene	ND(0.18)	0.4 [0.99]	ND(0.18)	ND(0.20)	0.30 J	ND(0.18)	ND(0.20)	0.23 J	ND(0.19)	ND(0.19)	ND(0.19)
Atrazine	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
Benzaldehyde	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	0.11 J	ND(0.20) J	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
Benzo(a)anthracene	0.034 J	2 [2.8]	0.26 J	ND(0.20)	1.9 J	0.12 J	ND(0.20)	0.41 J	ND(0.19)	0.049 J	ND(0.19)
Benzo(a)pyrene	ND(0.18)	1.5 [1.9]	0.30 J	ND(0.20)	2.8 J(RDC)	0.098 J	ND(0.20)	ND(0.91) J	ND(0.19)	ND(0.19)	ND(0.19)
Benzo(b)fluoranthene	0.15 J	1.8 [2.5]	0.35 J	ND(0.20)	3.6 J	0.13 J	ND(0.20)	1.2 J	ND(0.19) J	0.17 J	ND(0.19)
Benzo(g,h,i)perylene	ND(0.18)	0.65 [0.58]	0.26 J	ND(0.20)	1.7 J	ND(0.18)	ND(0.20)	ND(0.91) J	ND(0.19)	ND(0.19)	ND(0.19)
Benzo(k)fluoranthene	ND(0.18)	1.7 [2.3]	0.12 J	ND(0.20)	3.8	0.11 J	ND(0.20)	0.99 J	ND(0.19) J	0.047 J	ND(0.19)
Biphenyl	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
bis(2-Chloroethoxy)methane	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
bis(2-Chloroethyl)ether	ND(0.035)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.039)	ND(0.18)	ND(0.036)	ND(0.038)	ND(0.18)	ND(0.037)	ND(0.036)	ND(0.036)
bis(2-Chloroisopropyl)ether	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
bis(2-Ethylhexyl)phthalate	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18) J	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91) J	ND(0.19)	ND(0.19)	ND(0.19)
Butyl benzylphthalate	ND(0.18)	0.061 J [0.12 J]	ND(0.18) J	ND(0.20)	1.1 J	ND(0.18)	ND(0.20)	0.76 J	ND(0.19)	ND(0.19)	ND(0.19)
Caprolactam	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
Carbazole	ND(0.18)	0.28 [0.58]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
Chrysene	ND(0.18)	2.1 [2.9]	0.36 J	ND(0.20)	2.8 J	0.16 J	ND(0.20)	0.64 J	ND(0.19)	0.067 J	ND(0.19)
Di-n-butylphthalate	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
Di-n-octyl phthalate	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18) J	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91) J	ND(0.19)	ND(0.19)	ND(0.19)
Dibenzo(a,h)anthracene	ND(0.18)	ND(0.18) [0.17 J]	ND(0.18) J	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91) J	ND(0.19)	ND(0.19)	ND(0.19)
Dibenzofuran	ND(0.18)	0.065 J [0.27]	0.055 J	ND(0.20)	0.20 J	0.33	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
Diethyl phthalate	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	0.058 J
Dimethyl phthalate	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
Fluoranthene	0.055 J	3.9 [5.1 D]	0.21 J	ND(0.20)	2.5 J	0.14 J	ND(0.20)	0.70 J	ND(0.19)	0.070 J	ND(0.19)
Fluorene	ND(0.18)	0.13 J [0.54]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	0.24 J	ND(0.19)	ND(0.19)	ND(0.19)
Hexachlorobenzene	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
Hexachlorobutadiene	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
Hexachlorocyclopentadiene	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
Hexachloroethane	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
Indeno(1,2,3-cd)pyrene	ND(0.18)	0.62 [0.63]	0.20 J	ND(0.20)	1.4	ND(0.18)	ND(0.20)	ND(0.91) J	ND(0.19)	ND(0.19)	ND(0.19)
Isophorone	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
Methylphenols, Total	ND(0.37)	ND(0.37) [ND(0.37)]	ND(0.37)	ND(0.40)	ND(1.9)	ND(0.37)	ND(0.40)	ND(1.8)	ND(0.39)	ND(0.37)	ND(0.37)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-10-07	RFI-10-07	RFI-10-08	RFI-10-08	RFI-10-09	RFI-10-10	RFI-10-11	RFI-10-12	RFI-10-12	RFI-10-13	RFI-10-13
Sample Depth(feet):	1-3	7-9	0-2	6-8	0-2	0-2	3-5	0.8-2.8	6.8-8.8	0.7-2.7	8.7-10.7
Date Collected:	11/09/01	11/09/01	06/28/01	06/28/01	06/18/01	06/18/01	07/19/01	06/27/01	06/27/01	07/24/01	07/24/01
N-Nitrosodi-n-propylamine	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
N-Nitrosodiphenylamine	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
Naphthalene	0.066 J	0.064 J [0.26]	0.085 J	ND(0.20)	ND(0.95)	0.8	ND(0.20)	0.22 J	ND(0.19)	ND(0.19)	ND(0.19)
Nitrobenzene	ND(0.072)	ND(0.073) [ND(0.074)]	ND(0.072)	ND(0.079)	ND(0.38)	ND(0.073)	ND(0.078)	ND(0.36)	ND(0.076)	ND(0.073)	ND(0.074)
Pentachlorophenol	ND(0.72)	ND(0.73) [ND(0.74)]	ND(0.72)	ND(0.79)	ND(3.8)	ND(0.73)	ND(0.78)	ND(3.6)	ND(0.76)	ND(0.73)	ND(0.74)
Phenanthrene	0.066 J	1.7 [3.9]	0.18 J	ND(0.20)	0.68 J	0.54 J	ND(0.20)	1.1	0.054 J	0.090 J	ND(0.19)
Phenol	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.18)	ND(0.20)	ND(0.95)	ND(0.18)	ND(0.20)	ND(0.91)	ND(0.19)	ND(0.19)	ND(0.19)
Pyrene	0.053 J	4.2 [7.7 D]	0.66 J	ND(0.20)	2.9 J	0.20 J	ND(0.20)	1.3 J	ND(0.19)	0.099 J	ND(0.19)
Inorganics											
Antimony	0.12 J	0.024 J [ND(0.17)]	ND(0.23) J	ND(0.22) J	0.22 R	0.25 R	0.22 R	0.040 J	0.20 R	ND(0.41)	ND(0.25)
Arsenic	1.7	3.3 [3.3]	6.3	3.8	7.2	8.2(RDC)	4.4	3	2.8	3.8	2.6
Barium	11	10 [13]	130 J	42 J	61 J	49 J	9.3	110	11	81	7.3
Beryllium	0.11	0.11 [0.14]	1.4 J	0.30 J	0.43	1	0.1	0.88	0.16	0.34	0.095 J
Cadmium	0.13	0.12 [0.15]	0.38 J	0.20 J	0.75	0.19	0.13	0.67	0.05	0.44	0.06
Chromium	21	5.2 [9.9]	98 J	21 J	50	28	5.9	75	6.6	14	5
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	1.8	2.2 [2.2]	4.9 J	5.2 J	3.3	3	2.5	3.6 J	2.5 J	5.4	2.1
Copper	14	7.9 [9.5]	56 J	12 J	120 J	22 J	7.4	48 J	4.4 J	50 J	4.5 J
Cyanide (total)	ND(0.20)	ND(0.20) [ND(0.20)]	0.11 J	0.0073 J	0.26	0.081 J	ND(0.20)	0.46 J	0.020 J	ND(0.20)	ND(0.20)
Lead	12	6.5 [9.3]	75 J	16 J	120 J	33 J	6	79	4.1	67 J	4.3 J
Manganese	150	160 [250]	2,500 J(IPSIC)	190 J	920 J	750 J	130 J	1500	59	370 J	100 J
Mercury	ND(0.070)	ND(0.072) [ND(0.073)]	0.070 J	ND(0.080)	0.13	0.045 J	0.019 J	0.028 J	ND(0.078)	ND(0.074)	ND(0.077)
Nickel	9	5.6 [6.0]	21 J	11 J	19	14	6.9	25 J	5.6 J	15	5.1
Selenium	ND(0.060)	0.30 J [ND(0.066)]	0.2	0.087 J	0.78	0.87	0.24	0.40 J	0.40 J	ND(0.19)	ND(0.48)
Silver	0.10 J	0.045 J [0.046 J]	0.24 J	0.0097 J	0.27	0.098 J	0.036 J	0.21	0.022 J	0.081 J	ND(0.23)
Thallium	0.035 J	0.048 J [0.049 J]	0.16 J	0.13 J	0.14 J	0.16 J	0.059 J	0.085 J	0.046 J	0.15 J	0.079 J
Vanadium	6.1	9.1 [8.8]	21 J	18 J	14	12	9.8	15	10	18	9.6
Zinc	47	27 [30]	89 J	40 J	1500	34	28	63	19	71	17
PCBs											
Aroclor-1016	ND(0.038)	ND(0.038) [ND(0.039)]	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.039)
Aroclor-1221	ND(0.038)	ND(0.038) [ND(0.039)]	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.039)
Aroclor-1232	ND(0.038)	ND(0.038) [ND(0.039)]	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.039)
Aroclor-1242	ND(0.038)	ND(0.038) [ND(0.039)]	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.039)
Aroclor-1248	ND(0.038)	ND(0.038) [ND(0.039)]	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	0.098	ND(0.040)	ND(0.038)	ND(0.039)
Aroclor-1254	0.089	ND(0.038) [ND(0.039)]	0.13	ND(0.041)	0.093	ND(0.038)	ND(0.041)	0.075	ND(0.040)	ND(0.038)	ND(0.039)
Aroclor-1260	0.039	ND(0.038) [ND(0.039)]	0.047	ND(0.041)	0.083	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.039)
Total PCBs	0.13	ND(0.038) [ND(0.039)]	0.18	ND(0.041)	0.18	ND(0.038)	ND(0.041)	0.17	ND(0.040)	ND(0.038)	ND(0.039)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-10-14	RFI-10-14	RFI-10-15	RFI-10-15	RFI-10-16	RFI-10-16	RFI-10-17	RFI-10-17	RFI-10-18	RFI-10-18	RFI-10-19	RFI-10-19	RFI-10-20
Sample Depth(feet):	0.9-2.9	6.9-8.9	0-2	8-10	1.9-3.9	3.9-5.9	1-3	3-5	1.3-3.3	3.3-5.3	2-4	4-6	0-2
Date Collected:	06/27/01	06/27/01	08/27/01	08/27/01	12/11/01	12/11/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/29/01
Volatiles													
1,1,1-Trichloroethane	0.15	ND(0.037)	ND(0.040)	ND(0.041)	NS	NS	NS	NS	ND(0.040)	ND(0.040)	NS	NS	NS
1,1,2,2-Tetrachloroethane	ND(0.077)	ND(0.074)	ND(0.081)	ND(0.082)	NS	NS	NS	NS	ND(0.080)	ND(0.080)	NS	NS	NS
1,1,2-Trichloroethane	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.041)	NS	NS	NS	NS	ND(0.040)	ND(0.040)	NS	NS	NS
1,1-Dichloroethane	2.9	0.055	ND(0.040)	ND(0.041)	NS	NS	NS	NS	ND(0.040)	ND(0.040)	NS	NS	NS
1,1-Dichloroethene	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.041)	NS	NS	NS	NS	ND(0.040)	ND(0.040)	NS	NS	NS
1,2,4-Trichlorobenzene	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18) J	NS	NS	NS	NS	ND(0.17)	ND(0.17)	NS	NS	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	NS	NS	NS	NS	ND(0.17)	ND(0.17)	NS	NS	NS
1,2-Dibromoethane (EDB)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	NS	NS	NS	NS	ND(0.17)	ND(0.17)	NS	NS	NS
1,2-Dichlorobenzene	ND(0.077)	ND(0.074)	ND(0.081)	ND(0.082)	NS	NS	NS	NS	ND(0.080)	ND(0.080)	NS	NS	NS
1,2-Dichloroethane	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.041)	NS	NS	NS	NS	ND(0.040)	ND(0.040)	NS	NS	NS
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.041)	NS	NS	NS	NS	ND(0.040)	ND(0.040)	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.077)	ND(0.074)	ND(0.081)	ND(0.082)	NS	NS	NS	NS	ND(0.080)	ND(0.080)	NS	NS	NS
1,4-Dichlorobenzene	ND(0.077)	ND(0.074)	ND(0.081)	ND(0.082)	NS	NS	NS	NS	ND(0.080)	ND(0.080)	NS	NS	NS
2-Butanone	ND(0.28)	ND(0.26)	0.037 J	0.041 J	NS	NS	NS	NS	ND(0.29)	ND(0.29)	NS	NS	NS
2-Hexanone	ND(0.28)	ND(0.26)	ND(0.29)	ND(0.29)	NS	NS	NS	NS	ND(0.29)	ND(0.29)	NS	NS	NS
4-Methyl-2-pentanone	ND(0.28)	ND(0.26)	ND(0.29)	ND(0.29)	NS	NS	NS	NS	ND(0.29)	ND(0.29)	NS	NS	NS
Acetone	0.081 J	ND(0.26) J	ND(0.29) J	ND(0.29) J	NS	NS	NS	NS	ND(0.29)	ND(0.29)	NS	NS	NS
Benzene	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.041)	NS	NS	NS	NS	ND(0.040)	ND(0.040)	NS	NS	NS
Benzene, isopropyl	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	NS	NS	NS	NS	ND(0.17)	ND(0.17)	NS	NS	NS
Bromodichloromethane	ND(0.077)	ND(0.074)	ND(0.081)	ND(0.082)	NS	NS	NS	NS	ND(0.080)	ND(0.080)	NS	NS	NS
Bromoform	ND(0.077)	ND(0.074)	ND(0.081)	ND(0.082)	NS	NS	NS	NS	ND(0.080)	ND(0.080)	NS	NS	NS
Bromomethane	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	NS	NS	NS	NS	ND(0.17)	ND(0.17)	NS	NS	NS
Carbon disulfide	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	NS	NS	NS	NS	ND(0.17)	ND(0.17)	NS	NS	NS
Carbon tetrachloride	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.041)	NS	NS	NS	NS	ND(0.040)	ND(0.040)	NS	NS	NS
Chlorobenzene	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.041)	NS	NS	NS	NS	ND(0.040)	ND(0.040)	NS	NS	NS
Chloroethane	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	NS	NS	NS	NS	0.15 J	0.32	NS	NS	NS
Chloroform	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.041)	NS	NS	NS	NS	ND(0.040)	ND(0.040)	NS	NS	NS
Chloromethane	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	NS	NS	NS	NS	ND(0.17)	ND(0.17)	NS	NS	NS
cis-1,2-Dichloroethene	2.1	0.041	ND(0.040)	ND(0.041)	NS	NS	NS	NS	ND(0.040)	ND(0.040)	NS	NS	NS
cis-1,3-Dichloropropene	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.041)	NS	NS	NS	NS	ND(0.040)	ND(0.040)	NS	NS	NS
Cyclohexane	0.029 J	ND(0.16)	ND(0.17) J	ND(0.18) J	NS	NS	NS	NS	ND(0.17)	ND(0.17)	NS	NS	NS
Dibromochloromethane	ND(0.077)	ND(0.074)	ND(0.081)	ND(0.082)	NS	NS	NS	NS	ND(0.080)	ND(0.080)	NS	NS	NS
Dichlorodifluoromethane (CFC-12)	ND(0.077)	ND(0.074)	ND(0.081)	ND(0.082)	NS	NS	NS	NS	ND(0.080)	ND(0.080)	NS	NS	NS
Ethylbenzene	0.045	ND(0.037)	ND(0.040)	ND(0.041)	NS	NS	NS	NS	ND(0.040)	ND(0.040)	NS	NS	NS
m&p-Xylene	0.14	ND(0.074)	ND(0.081)	ND(0.082)	NS	NS	NS	NS	0.048 J	0.034 J	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-10-14	RFI-10-14	RFI-10-15	RFI-10-15	RFI-10-16	RFI-10-16	RFI-10-17	RFI-10-17	RFI-10-18	RFI-10-18	RFI-10-19	RFI-10-19	RFI-10-20
Sample Depth(feet):	0.9-2.9	6.9-8.9	0-2	8-10	1.9-3.9	3.9-5.9	1-3	3-5	1.3-3.3	3.3-5.3	2-4	4-6	0-2
Date Collected:	06/27/01	06/27/01	08/27/01	08/27/01	12/11/01	12/11/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/29/01
Methyl acetate	0.32	ND(0.16)	0.062 J	ND(0.18)	NS	NS	NS	NS	0.15 J	0.3	NS	NS	NS
Methyl Tert Butyl Ether	ND(0.28)	ND(0.26)	ND(0.29)	ND(0.29)	NS	NS	NS	NS	ND(0.29)	ND(0.29)	NS	NS	NS
Methylcyclohexane	0.049 J	ND(0.16)	ND(0.17) J	ND(0.18) J	NS	NS	NS	NS	0.033 J	ND(0.17)	NS	NS	NS
Methylene chloride	ND(0.17) J	ND(0.16) J	0.032 J	0.036 J	NS	NS	NS	NS	0.031 J	0.030 J	NS	NS	NS
o-Xylene	0.087	ND(0.037)	ND(0.040)	ND(0.041)	NS	NS	NS	NS	0.038 J	ND(0.040)	NS	NS	NS
Styrene	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.041)	NS	NS	NS	NS	ND(0.040)	ND(0.040)	NS	NS	NS
Tetrachloroethene	0.091	ND(0.037)	ND(0.040)	ND(0.041)	NS	NS	NS	NS	ND(0.040)	ND(0.040)	NS	NS	NS
Toluene	0.12	ND(0.037)	ND(0.040)	ND(0.041)	NS	NS	NS	NS	ND(0.040)	ND(0.040)	NS	NS	NS
trans-1,2-Dichloroethene	0.038 J	ND(0.037)	ND(0.040)	ND(0.041)	NS	NS	NS	NS	ND(0.040)	ND(0.040)	NS	NS	NS
trans-1,3-Dichloropropene	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.041)	NS	NS	NS	NS	ND(0.040)	ND(0.040)	NS	NS	NS
Trichloroethene	2.6	0.061	ND(0.040)	ND(0.041)	NS	NS	NS	NS	ND(0.040)	ND(0.040)	NS	NS	NS
Trichlorofluoromethane (CFC-11)	ND(0.077)	ND(0.074)	ND(0.081)	ND(0.082)	NS	NS	NS	NS	ND(0.080)	ND(0.080)	NS	NS	NS
Trifluorotrichloroethane (Freon 113)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	NS	NS	NS	NS	ND(0.17)	ND(0.17)	NS	NS	NS
Vinyl chloride	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.041)	NS	NS	NS	NS	ND(0.040)	ND(0.040)	NS	NS	NS
Xylenes (total)	0.23	ND(0.074)	ND(0.081)	ND(0.082)	NS	NS	NS	NS	0.086	0.034	NS	NS	NS
Semivolatiles													
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
2,4,6-Trichlorophenol	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
2,4-Dichlorophenol	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
2,4-Dimethylphenol	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
2,4-Dinitrophenol	ND(7.3) J	ND(0.71)	NS	NS	NS	NS	NS	NS	ND(0.75)	ND(0.75)	NS	NS	NS
2,4-Dinitrotoluene	ND(7.3)	ND(0.71)	NS	NS	NS	NS	NS	NS	ND(0.75)	ND(0.75)	NS	NS	NS
2,6-Dinitrotoluene	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
2-Chloronaphthalene	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
2-Chlorophenol	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
2-Methyl naphthalene	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	0.37	0.26	NS	NS	NS
2-Methylphenol	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
2-Nitroaniline	ND(7.3)	ND(0.71)	NS	NS	NS	NS	NS	NS	ND(0.75)	ND(0.75)	NS	NS	NS
2-Nitrophenol	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
3&4-Methylphenol	ND(3.7) J	ND(0.36)	NS	NS	NS	NS	NS	NS	ND(0.38)	ND(0.38)	NS	NS	NS
3,3-Dichlorobenzidine	ND(7.3) J	ND(0.71)	NS	NS	NS	NS	NS	NS	ND(0.75)	ND(0.75)	NS	NS	NS
3-Nitroaniline	ND(7.3)	ND(0.71)	NS	NS	NS	NS	NS	NS	ND(0.75)	ND(0.75)	NS	NS	NS
4,6-Dinitro-2-methylphenol	ND(7.3)	ND(0.71)	NS	NS	NS	NS	NS	NS	ND(0.75)	ND(0.75)	NS	NS	NS
4-Bromophenyl phenyl ether	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
4-Chloro-3-methylphenol	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-10-14	RFI-10-14	RFI-10-15	RFI-10-15	RFI-10-16	RFI-10-16	RFI-10-17	RFI-10-17	RFI-10-18	RFI-10-18	RFI-10-19	RFI-10-19	RFI-10-20
Sample Depth(feet):	0.9-2.9	6.9-8.9	0-2	8-10	1.9-3.9	3.9-5.9	1-3	3-5	1.3-3.3	3.3-5.3	2-4	4-6	0-2
Date Collected:	06/27/01	06/27/01	08/27/01	08/27/01	12/11/01	12/11/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/29/01
4-Chloroaniline	ND(7.3)	ND(0.71)	NS	NS	NS	NS	NS	NS	ND(0.75)	ND(0.75)	NS	NS	NS
4-Chlorophenyl phenyl ether	ND(7.3)	ND(0.71)	NS	NS	NS	NS	NS	NS	ND(0.75)	ND(0.75)	NS	NS	NS
4-Nitroaniline	ND(7.3)	ND(0.71)	NS	NS	NS	NS	NS	NS	ND(0.75)	ND(0.75)	NS	NS	NS
4-Nitrophenol	ND(7.3)	ND(0.71)	NS	NS	NS	NS	NS	NS	ND(0.75)	ND(0.75)	NS	NS	NS
Acenaphthene	1.5 J	ND(0.18)	NS	NS	NS	NS	NS	NS	0.89	ND(0.19)	NS	NS	NS
Acenaphthylene	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Acetophenone	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	0.24	ND(0.19)	NS	NS	NS
Anthracene	3	ND(0.18)	NS	NS	NS	NS	NS	NS	0.48	ND(0.19)	NS	NS	NS
Atrazine	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Benzaldehyde	ND(1.9) J	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Benzo(a)anthracene	7.0 DJ	ND(0.18)	NS	NS	NS	NS	NS	NS	1.5	0.42	NS	NS	NS
Benzo(a)pyrene	7.9 J(RDC)	ND(0.18)	NS	NS	NS	NS	NS	NS	0.83	ND(0.19)	NS	NS	NS
Benzo(b)fluoranthene	7.5 J	0.17 J	NS	NS	NS	NS	NS	NS	0.92	ND(0.19)	NS	NS	NS
Benzo(g,h,i)perylene	7.9 J	ND(0.18)	NS	NS	NS	NS	NS	NS	0.68	ND(0.19)	NS	NS	NS
Benzo(k)fluoranthene	6.4 J	0.15 J	NS	NS	NS	NS	NS	NS	0.93	ND(0.19)	NS	NS	NS
Biphenyl	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
bis(2-Chloroethoxy)methane	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
bis(2-Chloroethyl)ether	ND(0.36)	ND(0.035)	NS	NS	NS	NS	NS	NS	ND(0.037)	ND(0.037)	NS	NS	NS
bis(2-Chloroisopropyl)ether	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
bis(2-Ethylhexyl)phthalate	1.4 J	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Butyl benzylphthalate	ND(1.9) J	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Caprolactam	1.5 J	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Carbazole	0.94 J	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Chrysene	7.0 DJ	ND(0.18)	NS	NS	NS	NS	NS	NS	1.9	0.65	NS	NS	NS
Di-n-butylphthalate	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Di-n-octyl phthalate	ND(1.9) J	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Dibenzo(a,h)anthracene	ND(1.9) J	ND(0.18)	NS	NS	NS	NS	NS	NS	0.19	ND(0.19)	NS	NS	NS
Dibenzofuran	0.66 J	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Diethyl phthalate	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Dimethyl phthalate	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Fluoranthene	12 D	ND(0.18)	NS	NS	NS	NS	NS	NS	3	0.93	NS	NS	NS
Fluorene	1.5 J	ND(0.18)	NS	NS	NS	NS	NS	NS	1.1	ND(0.19)	NS	NS	NS
Hexachlorobenzene	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Hexachlorobutadiene	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Hexachlorocyclopentadiene	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Hexachloroethane	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Indeno(1,2,3-cd)pyrene	5.9 J	ND(0.18)	NS	NS	NS	NS	NS	NS	0.71	ND(0.19)	NS	NS	NS
Isophorone	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Methylphenols, Total	ND(3.7)	ND(0.36)	NS	NS	NS	NS	NS	NS	ND(0.38)	ND(0.38)	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-10-14	RFI-10-14	RFI-10-15	RFI-10-15	RFI-10-16	RFI-10-16	RFI-10-17	RFI-10-17	RFI-10-18	RFI-10-18	RFI-10-19	RFI-10-19	RFI-10-20
Sample Depth(feet):	0.9-2.9	6.9-8.9	0-2	8-10	1.9-3.9	3.9-5.9	1-3	3-5	1.3-3.3	3.3-5.3	2-4	4-6	0-2
Date Collected:	06/27/01	06/27/01	08/27/01	08/27/01	12/11/01	12/11/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/30/01	11/29/01
N-Nitrosodi-n-propylamine	0.39 J	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
N-Nitrosodiphenylamine	0.87 J	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Naphthalene	0.59 J	ND(0.18)	NS	NS	NS	NS	NS	NS	0.14 J	0.15 J	NS	NS	NS
Nitrobenzene	ND(0.73)	ND(0.071)	NS	NS	NS	NS	NS	NS	ND(0.075)	ND(0.075)	NS	NS	NS
Pentachlorophenol	ND(7.3)	ND(0.71)	NS	NS	NS	NS	NS	NS	ND(0.75)	ND(0.75)	NS	NS	NS
Phenanthrene	9.6	ND(0.18)	NS	NS	NS	NS	NS	NS	1.8	1.2	NS	NS	NS
Phenol	ND(1.9)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.19)	ND(0.19)	NS	NS	NS
Pyrene	27 DJ	ND(0.18)	NS	NS	NS	NS	NS	NS	9.1 D	1.9	NS	NS	NS
Inorganics													
Antimony	0.079 J	0.20 R	NS	NS	NS	NS	NS	NS	ND(0.22)	0.079 J	NS	NS	NS
Arsenic	6.7	3	NS	NS	NS	NS	NS	NS	3.6	3.5	NS	NS	NS
Barium	260	7.7	NS	NS	NS	NS	NS	NS	76	120	NS	NS	NS
Beryllium	1.2	0.12	NS	NS	NS	NS	NS	NS	0.13	0.14	NS	NS	NS
Cadmium	0.9	0.057	NS	NS	NS	NS	NS	NS	0.29	0.75	NS	NS	NS
Chromium	100	5	NS	NS	NS	NS	NS	NS	47	25	NS	NS	NS
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	4.6 J	2.6 J	NS	NS	NS	NS	NS	NS	5.7	4.9	NS	NS	NS
Copper	85 J	4.8 J	NS	NS	NS	NS	NS	NS	36	54	NS	NS	NS
Cyanide (total)	2.0 J	0.0097 J	NS	NS	NS	NS	NS	NS	0.92	1.2	NS	NS	NS
Lead	120	4.8	NS	NS	310	18	220	290	61	120	41	19	NS
Manganese	1,800(IPSIC)	130	NS	NS	NS	NS	NS	NS	210	340	NS	NS	170
Mercury	0.049 J	ND(0.074)	NS	NS	NS	NS	NS	NS	0.09	0.15	NS	NS	NS
Nickel	39 J	5.4 J	NS	NS	NS	NS	NS	NS	18	19	NS	NS	NS
Selenium	0.71 J	0.082	NS	NS	NS	NS	NS	NS	0.30 J	0.2	NS	NS	NS
Silver	0.41	0.026 J	NS	NS	NS	NS	NS	NS	0.034 J	0.059 J	NS	NS	NS
Thallium	0.090 J	0.039 J	NS	NS	NS	NS	NS	NS	0.064 J	0.063 J	NS	NS	NS
Vanadium	11	9	NS	NS	NS	NS	NS	NS	18	12	NS	NS	NS
Zinc	150	21	NS	NS	NS	NS	NS	NS	52	69	NS	NS	NS
PCBs													
Aroclor-1016	ND(0.038)	ND(0.037)	NS	NS	NS	NS	NS	NS	ND(0.039)	ND(0.039)	NS	NS	NS
Aroclor-1221	ND(0.038)	ND(0.037)	NS	NS	NS	NS	NS	NS	ND(0.039)	ND(0.039)	NS	NS	NS
Aroclor-1232	ND(0.038)	ND(0.037)	NS	NS	NS	NS	NS	NS	ND(0.039)	ND(0.039)	NS	NS	NS
Aroclor-1242	4.3	ND(0.037)	NS	NS	NS	NS	NS	NS	ND(0.039)	ND(0.039)	NS	NS	NS
Aroclor-1248	ND(0.038)	0.069	NS	NS	NS	NS	NS	NS	ND(0.039)	ND(0.039)	NS	NS	NS
Aroclor-1254	0.46	ND(0.037)	NS	NS	NS	NS	NS	NS	ND(0.039)	ND(0.039)	NS	NS	NS
Aroclor-1260	ND(0.038)	ND(0.037)	NS	NS	NS	NS	NS	NS	0.18	0.086	NS	NS	NS
Total PCBs	4.8	0.069	NS	NS	NS	NS	NS	NS	ND(0.039)	0.021 J	NS	NS	NS
									0.18	0.11	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-10-21	RFI-10-22	RFI-10-23	RFI-10-24	RFI-10-24	RFI-10-25	RFI-10-25	RFI-10-26	RFI-10-27	RFI-10-27	RFI-10-27	RFI-12-01
Sample Depth(feet):	0-2	0-2	0-2	0-2	6-8	0-2	6-8	4-6	1-3	7-9	9-11	1.2-2
Date Collected:	11/29/01	11/29/01	11/30/01	01/23/02	01/23/02	01/23/02	01/23/02	01/12/02	01/15/02	01/15/02	01/15/02	05/15/01
Volatiles												
1,1,1-Trichloroethane	NS	NS	NS	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.041)	ND(0.038)	ND(0.037)	ND(0.038)	0.053	ND(0.040)	ND(0.036)
1,1,2,2-Tetrachloroethane	NS	NS	NS	ND(0.077)	ND(0.080) [ND(0.082)]	ND(0.083)	ND(0.077)	ND(0.073)	ND(0.077)	ND(0.083)	ND(0.080)	ND(0.072)
1,1,2-Trichloroethane	NS	NS	NS	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.041)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.040)	ND(0.036)
1,1-Dichloroethane	NS	NS	NS	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.041)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.040)	ND(0.036)
1,1-Dichloroethene	NS	NS	NS	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.041)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.040)	ND(0.036)
1,2,4-Trichlorobenzene	NS	NS	NS	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.15) J
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NS	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.15) J
1,2-Dibromoethane (EDB)	NS	NS	NS	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.15)
1,2-Dichlorobenzene	NS	NS	NS	ND(0.077)	ND(0.080) [ND(0.082)]	ND(0.083)	ND(0.077)	ND(0.073)	ND(0.077)	ND(0.083)	ND(0.080)	ND(0.072)
1,2-Dichloroethane	NS	NS	NS	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.041)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.040)	ND(0.036)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	NS	NS	NS	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.041)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.040)	ND(0.036)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	ND(0.077)	ND(0.080) [ND(0.082)]	ND(0.083)	ND(0.077)	ND(0.073)	ND(0.077)	ND(0.083)	ND(0.080)	ND(0.072)
1,4-Dichlorobenzene	NS	NS	NS	ND(0.077)	ND(0.080) [ND(0.082)]	ND(0.083)	ND(0.077)	ND(0.073)	ND(0.077)	ND(0.083)	ND(0.080)	ND(0.072)
2-Butanone	NS	NS	NS	0.049 J	0.051 J [0.050 J]	0.055 J	0.052 J	ND(0.26)	ND(0.27)	0.057 J	0.053 J	ND(0.26)
2-Hexanone	NS	NS	NS	ND(0.28)	ND(0.28) [ND(0.29)]	ND(0.29)	ND(0.27)	ND(0.26)	ND(0.27)	ND(0.30)	ND(0.29)	ND(0.26)
4-Methyl-2-pentanone	NS	NS	NS	ND(0.28)	ND(0.28) [ND(0.29)]	ND(0.29)	ND(0.27)	ND(0.26)	ND(0.27)	ND(0.30)	ND(0.29)	ND(0.26)
Acetone	NS	NS	NS	ND(0.28)	ND(0.28) [ND(0.29)]	ND(0.29)	ND(0.27)	ND(0.26)	ND(0.27)	ND(0.30)	ND(0.29)	ND(0.26)
Benzene	NS	NS	NS	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.041)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.040)	ND(0.036)
Benzene, isopropyl	NS	NS	NS	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.15)
Bromodichloromethane	NS	NS	NS	ND(0.077)	ND(0.080) [ND(0.082)]	ND(0.083)	ND(0.077)	ND(0.073)	ND(0.077)	ND(0.083)	ND(0.080)	ND(0.072)
Bromoform	NS	NS	NS	ND(0.077)	ND(0.080) [ND(0.082)]	ND(0.083)	ND(0.077)	ND(0.073)	ND(0.077)	ND(0.083)	ND(0.080)	ND(0.072)
Bromomethane	NS	NS	NS	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.15)
Carbon disulfide	NS	NS	NS	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.15)
Carbon tetrachloride	NS	NS	NS	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.041)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.040)	ND(0.036)
Chlorobenzene	NS	NS	NS	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.041)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.040)	ND(0.036)
Chloroethane	NS	NS	NS	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.15)
Chloroform	NS	NS	NS	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.041)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.040)	ND(0.036)
Chloromethane	NS	NS	NS	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.18)	ND(0.16)	0.066 J	0.10 J	0.090 J	0.093 J	ND(0.15)
cis-1,2-Dichloroethene	NS	NS	NS	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.041)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.040)	ND(0.036) J
cis-1,3-Dichloropropene	NS	NS	NS	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.041)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.040)	ND(0.036)
Cyclohexane	NS	NS	NS	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.15) J
Dibromochloromethane	NS	NS	NS	ND(0.077)	ND(0.080) [ND(0.082)]	ND(0.083)	ND(0.077)	ND(0.073)	ND(0.077)	ND(0.083)	ND(0.080)	ND(0.072)
Dichlorodifluoromethane (CFC-12)	NS	NS	NS	ND(0.077)	ND(0.080) [ND(0.082)]	ND(0.083)	ND(0.077)	ND(0.073)	ND(0.077)	ND(0.083)	ND(0.080)	ND(0.072)
Ethylbenzene	NS	NS	NS	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.041)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.040)	ND(0.036)
m&p-Xylene	NS	NS	NS	ND(0.077)	ND(0.080) [ND(0.082)]	0.053 J	ND(0.077)	ND(0.073)	ND(0.077)	ND(0.083)	ND(0.080)	0.020 J

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-10-21	RFI-10-22	RFI-10-23	RFI-10-24	RFI-10-24	RFI-10-25	RFI-10-25	RFI-10-26	RFI-10-27	RFI-10-27	RFI-10-27	RFI-12-01
Sample Depth(feet):	0-2	0-2	0-2	0-2	6-8	0-2	6-8	4-6	1-3	7-9	9-11	1.2-2
Date Collected:	11/29/01	11/29/01	11/30/01	01/23/02	01/23/02	01/23/02	01/23/02	01/12/02	01/15/02	01/15/02	01/15/02	05/15/01
Methyl acetate	NS	NS	NS	ND(0.17)	ND(0.17) [0.039 J]	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.17)	0.099 J
Methyl Tert Butyl Ether	NS	NS	NS	ND(0.28)	ND(0.28) [ND(0.29)]	ND(0.29)	ND(0.27)	ND(0.26)	ND(0.27)	ND(0.30)	ND(0.29)	ND(0.26)
Methylcyclohexane	NS	NS	NS	ND(0.17)	ND(0.17) [ND(0.18)]	0.071 J	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.17)	0.0061 J
Methylene chloride	NS	NS	NS	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.18)	ND(0.16)	0.028 J	0.033 J	0.036 J	ND(0.17)	ND(0.15)
o-Xylene	NS	NS	NS	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.041)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.040)	ND(0.036)
Styrene	NS	NS	NS	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.041)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.040)	ND(0.036)
Tetrachloroethene	NS	NS	NS	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.041)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.040)	ND(0.036)
Toluene	NS	NS	NS	ND(0.039)	ND(0.040) [ND(0.041)]	0.077	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.040)	0.018 J
trans-1,2-Dichloroethene	NS	NS	NS	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.041)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.040)	ND(0.036)
trans-1,3-Dichloropropene	NS	NS	NS	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.041)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.040)	ND(0.036)
Trichloroethene	NS	NS	NS	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.041)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.040)	ND(0.036)
Trichlorofluoromethane (CFC-11)	NS	NS	NS	ND(0.077)	ND(0.080) [ND(0.082)]	ND(0.083)	ND(0.077)	ND(0.073)	ND(0.077)	ND(0.083)	ND(0.080)	ND(0.072)
Trifluorotrichloroethane (Freon 113)	NS	NS	NS	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.15)
Vinyl chloride	NS	NS	NS	ND(0.039)	ND(0.040) [ND(0.041)]	ND(0.041)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.042)	ND(0.040)	ND(0.036)
Xylenes (total)	NS	NS	NS	ND(0.077)	ND(0.080) [ND(0.082)]	0.053	ND(0.077)	ND(0.073)	ND(0.077)	ND(0.083)	ND(0.080)	0.02
Semivolatiles												
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	0.18 R
2,4,6-Trichlorophenol	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	0.18 R
2,4-Dichlorophenol	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	0.18 R
2,4-Dimethylphenol	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	0.18 R
2,4-Dinitrophenol	NS	NS	NS	NS	NS	NS	ND(0.73)	ND(0.72)	ND(0.74)	ND(0.80)	ND(0.75)	0.70 R
2,4-Dinitrotoluene	NS	NS	NS	NS	NS	NS	ND(0.73)	ND(0.72)	ND(0.74)	ND(0.80)	ND(0.75)	ND(0.70)
2,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
2-Chloronaphthalene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
2-Chlorophenol	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	0.18 R
2-Methyl naphthalene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
2-Methylphenol	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	0.18 R
2-Nitroaniline	NS	NS	NS	NS	NS	NS	ND(0.73)	ND(0.72)	ND(0.74)	ND(0.80)	ND(0.75)	ND(0.70)
2-Nitrophenol	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	0.18 R
3&4-Methylphenol	NS	NS	NS	NS	NS	NS	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.38)	0.36 R
3,3-Dichlorobenzidine	NS	NS	NS	NS	NS	NS	ND(0.73)	ND(0.72)	ND(0.74)	ND(0.80)	ND(0.75)	ND(0.70)
3-Nitroaniline	NS	NS	NS	NS	NS	NS	ND(0.73)	ND(0.72)	ND(0.74)	ND(0.80)	ND(0.75)	ND(0.70)
4,6-Dinitro-2-methylphenol	NS	NS	NS	NS	NS	NS	ND(0.73)	ND(0.72)	ND(0.74)	ND(0.80)	ND(0.75)	ND(0.70)
4-Bromophenyl phenyl ether	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
4-Chloro-3-methylphenol	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	0.18 R

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-10-21	RFI-10-22	RFI-10-23	RFI-10-24	RFI-10-24	RFI-10-25	RFI-10-25	RFI-10-26	RFI-10-27	RFI-10-27	RFI-10-27	RFI-12-01
Sample Depth(feet):	0-2	0-2	0-2	0-2	6-8	0-2	6-8	4-6	1-3	7-9	9-11	1.2-2
Date Collected:	11/29/01	11/29/01	11/30/01	01/23/02	01/23/02	01/23/02	01/23/02	01/12/02	01/15/02	01/15/02	01/15/02	05/15/01
4-Chloroaniline	NS	NS	NS	NS	NS	NS	ND(0.73)	ND(0.72)	ND(0.74)	ND(0.80)	ND(0.75)	ND(0.70)
4-Chlorophenyl phenyl ether	NS	NS	NS	NS	NS	NS	ND(0.73)	ND(0.72)	ND(0.74)	ND(0.80)	ND(0.75)	ND(0.70)
4-Nitroaniline	NS	NS	NS	NS	NS	NS	ND(0.73)	ND(0.72)	ND(0.74)	ND(0.80)	ND(0.75)	ND(0.70)
4-Nitrophenol	NS	NS	NS	NS	NS	NS	ND(0.73)	ND(0.72)	ND(0.74)	ND(0.80)	ND(0.75)	0.70 R
Acenaphthene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Acenaphthylene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Acetophenone	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Anthracene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Atrazine	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Benzaldehyde	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	0.036 J
Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	0.038 J
Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	0.045 J
Benzo(g,h,i)perylene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Biphenyl	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
bis(2-Chloroethoxy)methane	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
bis(2-Chloroethyl)ether	NS	NS	NS	NS	NS	NS	ND(0.036)	ND(0.035)	ND(0.036)	ND(0.039)	ND(0.037)	ND(0.035)
bis(2-Chloroisopropyl)ether	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Butyl benzylphthalate	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Caprolactam	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Carbazole	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Chrysene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	0.038 J
Di-n-butylphthalate	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Di-n-octyl phthalate	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Dibenzo(a,h)anthracene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Dibenzofuran	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Diethyl phthalate	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	0.076 J	ND(0.18)
Dimethyl phthalate	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Fluoranthene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	0.091 J
Fluorene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Hexachlorobenzene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Hexachlorobutadiene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Hexachlorocyclopentadiene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Hexachloroethane	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Isophorone	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Methylphenols, Total	NS	NS	NS	NS	NS	NS	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.41)	ND(0.38)	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-10-21	RFI-10-22	RFI-10-23	RFI-10-24	RFI-10-24	RFI-10-25	RFI-10-25	RFI-10-26	RFI-10-27	RFI-10-27	RFI-10-27	RFI-12-01
Sample Depth(feet):	0-2	0-2	0-2	0-2	6-8	0-2	6-8	4-6	1-3	7-9	9-11	1.2-2
Date Collected:	11/29/01	11/29/01	11/30/01	01/23/02	01/23/02	01/23/02	01/23/02	01/12/02	01/15/02	01/15/02	01/15/02	05/15/01
N-Nitrosodi-n-propylamine	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
N-Nitrosodiphenylamine	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Naphthalene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)
Nitrobenzene	NS	NS	NS	NS	NS	NS	ND(0.073)	ND(0.072)	ND(0.074)	ND(0.080)	ND(0.075)	ND(0.070)
Pentachlorophenol	NS	NS	NS	NS	NS	NS	ND(0.73)	ND(0.72)	ND(0.74)	ND(0.80)	ND(0.75)	0.70 R
Phenanthrene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	0.063 J
Phenol	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	0.18 R
Pyrene	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.19)	0.075 J
Inorganics												
Antimony	NS	NS	NS	NS	NS	NS	0.095 J	0.012 J	0.33	0.031 J	0.10 J	ND(0.36)
Arsenic	NS	NS	NS	NS	NS	NS	9.0(RDC)	3.3	3.7	8.4(RDC)	3.8	4.3
Barium	NS	NS	NS	NS	NS	NS	33	8.3	9.1	62	12	30 J
Beryllium	NS	NS	NS	NS	NS	NS	1.9	0.12	0.12	0.87	0.2	0.23
Cadmium	NS	NS	NS	NS	NS	NS	0.33	0.097	0.12	0.39	0.11	0.17 J
Chromium	NS	NS	NS	NS	NS	NS	11	3.8	46	22	5	13 J
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	NS	4.3	1.7	1.9	6.8	2.1	4
Copper	NS	NS	NS	NS	NS	NS	12	4.6	23	8.8	5.8	10
Cyanide (total)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
Lead	NS	NS	NS	NS	NS	NS	9.7	4.4	220	11	5.4	11 J
Manganese	200	310 [380]	640	NS	NS	NS	310	120	210	620	110	270 J
Mercury	NS	NS	NS	NS	NS	NS	0.054 J	ND(0.075)	ND(0.075)	0.034 J	ND(0.075)	ND(0.071)
Nickel	NS	NS	NS	NS	NS	NS	14	5.3	28	16	5.3	13
Selenium	NS	NS	NS	NS	NS	NS	0.28	0.14	0.1	0.32 J	0.26 J	ND(1.4)
Silver	NS	NS	NS	NS	NS	NS	0.16 J	0.025 J	0.034 J	0.086 J	0.067 J	0.087 J
Thallium	NS	NS	NS	NS	NS	NS	0.21	0.065 J	0.032 J	0.16 J	0.070 J	ND(0.23)
Vanadium	NS	NS	NS	NS	NS	NS	18	7.4	5.3	30	11	15 J
Zinc	NS	NS	NS	NS	NS	NS	43	19	8.8	44	24	35 J
PCBs												
Aroclor-1016	NS	NS	NS	NS	NS	NS	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)
Aroclor-1221	NS	NS	NS	NS	NS	NS	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)
Aroclor-1232	NS	NS	NS	NS	NS	NS	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)
Aroclor-1242	NS	NS	NS	NS	NS	NS	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)
Aroclor-1248	NS	NS	NS	NS	NS	NS	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)
Aroclor-1254	NS	NS	NS	NS	NS	NS	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	ND(0.037)
Aroclor-1260	NS	NS	NS	NS	NS	NS	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	0.013 J
Total PCBs	NS	NS	NS	NS	NS	NS	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.042)	ND(0.039)	0.013

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-12-01	RFI-12-02	RFI-12-02	RFI-12-02	RFI-12-02	RFI-12-03	RFI-12-03	RFI-12-04	RFI-12-04
Sample Depth(feet):	6-8	0.7-2	14-16	6-8	8-10	0-2	4-5.1	0-2	8-10
Date Collected:	05/15/01	05/15/01	05/15/01	05/15/01	05/15/01	05/23/01	05/23/01	05/15/01	05/15/01
Volatiles									
1,1,1-Trichloroethane	ND(0.036)	ND(0.035)	ND(0.041)	ND(0.040) [ND(0.043)]	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.043)
1,1,2,2-Tetrachloroethane	ND(0.073)	ND(0.070)	ND(0.081)	ND(0.081) [ND(0.087)]	ND(0.080) [ND(0.080)]	ND(0.078)	ND(0.082)	ND(0.075)	ND(0.085)
1,1,2-Trichloroethane	ND(0.036)	ND(0.035)	ND(0.041)	ND(0.040) [ND(0.043)]	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.043)
1,1-Dichloroethane	ND(0.036)	ND(0.035)	ND(0.041)	ND(0.040) [ND(0.043)]	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.043)
1,1-Dichloroethene	ND(0.036)	ND(0.035)	ND(0.041)	ND(0.040) [ND(0.043)]	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.043)
1,2,4-Trichlorobenzene	ND(0.16) J	ND(0.15)	ND(0.17)	ND(0.17) [ND(0.19) J]	ND(0.17) [ND(0.17) J]	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.18)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17) [ND(0.19) J]	ND(0.17) [ND(0.17)]	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.18)
1,2-Dibromoethane (EDB)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17) [ND(0.19)]	ND(0.17) [ND(0.17)]	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.18)
1,2-Dichlorobenzene	ND(0.073)	ND(0.070)	ND(0.081)	ND(0.081) [ND(0.087)]	ND(0.080) [ND(0.080)]	ND(0.078)	ND(0.082)	ND(0.075)	ND(0.085)
1,2-Dichloroethane	ND(0.036)	ND(0.035)	ND(0.041)	ND(0.040) [ND(0.043)]	ND(0.040) [ND(0.040)]	0.014 J	0.015 J	ND(0.037)	ND(0.043)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.036)	ND(0.035)	ND(0.041)	ND(0.040) [ND(0.043)]	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.043)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.073)	ND(0.070)	ND(0.081)	ND(0.081) [ND(0.087)]	ND(0.080) [ND(0.080)]	ND(0.078)	ND(0.082)	ND(0.075)	ND(0.085)
1,4-Dichlorobenzene	ND(0.073)	ND(0.070)	ND(0.081)	ND(0.081) [ND(0.087)]	ND(0.080) [ND(0.080)]	ND(0.078)	ND(0.082)	ND(0.075)	ND(0.085)
2-Butanone	ND(0.26)	ND(0.25)	ND(0.29)	ND(0.29) [ND(0.31)]	ND(0.28) [ND(0.29)]	ND(0.28)	ND(0.29)	ND(0.27)	ND(0.30)
2-Hexanone	ND(0.26)	ND(0.25)	ND(0.29)	ND(0.29) [ND(0.31)]	ND(0.28) [ND(0.29)]	ND(0.28)	ND(0.29)	ND(0.27)	ND(0.30)
4-Methyl-2-pentanone	ND(0.26)	ND(0.25)	ND(0.29)	ND(0.29) [ND(0.31)]	ND(0.28) [ND(0.29)]	ND(0.28)	ND(0.29)	ND(0.27)	ND(0.30)
Acetone	ND(0.26)	ND(0.25)	ND(0.29)	0.13 J [ND(0.31)]	0.089 J [ND(0.29)]	ND(0.28)	ND(0.29)	ND(0.27)	ND(0.30)
Benzene	ND(0.036)	ND(0.035)	ND(0.041)	0.022 J [0.017 J]	0.019 J [0.022 J]	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.043)
Benzene, isopropyl	ND(0.16)	ND(0.15)	ND(0.17)	0.11 J [ND(0.19)]	0.081 J [0.079 J]	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.18)
Bromodichloromethane	ND(0.073)	ND(0.070)	ND(0.081)	ND(0.081) [ND(0.087)]	ND(0.080) [ND(0.080)]	ND(0.078)	ND(0.082)	ND(0.075)	ND(0.085)
Bromoform	ND(0.073)	ND(0.070)	ND(0.081)	ND(0.081) [ND(0.087)]	ND(0.080) [ND(0.080)]	ND(0.078)	ND(0.082)	ND(0.075)	ND(0.085)
Bromomethane	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17) [ND(0.19)]	ND(0.17) [ND(0.17)]	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.18)
Carbon disulfide	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17) [ND(0.19)]	ND(0.17) [ND(0.17)]	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.18)
Carbon tetrachloride	ND(0.036)	ND(0.035)	ND(0.041)	ND(0.040) [ND(0.043)]	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.043)
Chlorobenzene	ND(0.036)	ND(0.035)	ND(0.041)	ND(0.040) [ND(0.043)]	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.043)
Chloroethane	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17) [ND(0.19)]	ND(0.17) [ND(0.17)]	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.18)
Chloroform	ND(0.036)	ND(0.035)	ND(0.041)	ND(0.040) [ND(0.043)]	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.043)
Chloromethane	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17) [ND(0.19)]	ND(0.17) [ND(0.17)]	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.18)
cis-1,2-Dichloroethene	ND(0.036) J	ND(0.035) J	ND(0.041) J	ND(0.040) [ND(0.043) J]	ND(0.040) [ND(0.040) J]	ND(0.039)	ND(0.041)	ND(0.037) J	ND(0.043) J
cis-1,3-Dichloropropene	ND(0.036)	ND(0.035)	ND(0.041)	ND(0.040) [ND(0.043)]	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.043)
Cyclohexane	ND(0.16) J	ND(0.15) J	ND(0.17) J	ND(0.17) J [ND(0.19) J]	ND(0.17) J [0.067 J]	ND(0.17)	ND(0.18)	ND(0.16) J	ND(0.18) J
Dibromochloromethane	ND(0.073)	ND(0.070)	ND(0.081)	ND(0.081) [ND(0.087)]	ND(0.080) [ND(0.080)]	ND(0.078)	ND(0.082)	ND(0.075)	ND(0.085)
Dichlorodifluoromethane (CFC-12)	ND(0.073)	ND(0.070)	ND(0.081)	ND(0.081) [ND(0.087)]	ND(0.080) [ND(0.080)]	ND(0.078)	ND(0.082)	ND(0.075)	ND(0.085)
Ethylbenzene	0.0088 J	ND(0.035)	ND(0.041)	ND(0.040) [ND(0.043)]	ND(0.040) [0.050]	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.043)
m&p-Xylene	0.029 J	ND(0.070)	ND(0.081)	ND(0.081) [0.055 J]	ND(0.080) [0.071 J]	0.027 J	ND(0.082)	ND(0.075)	ND(0.085)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-12-01	RFI-12-02	RFI-12-02	RFI-12-02	RFI-12-02	RFI-12-03	RFI-12-03	RFI-12-04	RFI-12-04
Sample Depth(feet):	6-8	0.7-2	14-16	6-8	8-10	0-2	4-5.1	0-2	8-10
Date Collected:	05/15/01	05/15/01	05/15/01	05/15/01	05/15/01	05/23/01	05/23/01	05/15/01	05/15/01
Methyl acetate	0.15 J	0.070 J	ND(0.17)	0.16 J [0.079 J]	0.12 J [0.090 J]	2.3	ND(0.18)	ND(0.16)	ND(0.18)
Methyl Tert Butyl Ether	ND(0.26)	ND(0.25)	ND(0.29)	ND(0.29) [ND(0.31)]	ND(0.28) [ND(0.29)]	ND(0.28)	ND(0.29)	ND(0.27)	ND(0.30)
Methylcyclohexane	ND(0.16)	ND(0.15)	0.014 J	0.58 [0.34]	0.43 [0.42]	0.020 J	0.017 J	0.0064 J	0.018 J
Methylene chloride	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17) [ND(0.19)]	ND(0.17) [ND(0.17)]	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.18)
o-Xylene	0.012 J	ND(0.035)	ND(0.041)	0.044 [0.027 J]	0.031 J [0.033 J]	0.015 J	ND(0.041)	ND(0.037)	0.012 J
Styrene	ND(0.036)	ND(0.035)	ND(0.041)	ND(0.040) [ND(0.043)]	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.043)
Tetrachloroethene	ND(0.036)	ND(0.035)	ND(0.041)	ND(0.040) [ND(0.043)]	ND(0.040) [ND(0.040)]	0.19	0.38	0.09	0.027 J
Toluene	ND(0.036)	ND(0.035)	ND(0.041)	ND(0.040) [ND(0.043)]	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.043)
trans-1,2-Dichloroethene	ND(0.036)	ND(0.035)	ND(0.041)	ND(0.040) [ND(0.043)]	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.043)
trans-1,3-Dichloropropene	ND(0.036)	ND(0.035)	ND(0.041)	ND(0.040) [ND(0.043)]	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.043)
Trichloroethene	ND(0.036)	ND(0.035)	ND(0.041)	ND(0.040) [ND(0.043)]	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.043)
Trichlorofluoromethane (CFC-11)	ND(0.073)	ND(0.070)	ND(0.081)	ND(0.081) [ND(0.087)]	ND(0.080) [ND(0.080)]	ND(0.078)	ND(0.082)	ND(0.075)	ND(0.085)
Trifluorotrichloroethane (Freon 113)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17) [ND(0.19)]	ND(0.17) [ND(0.17)]	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.18)
Vinyl chloride	ND(0.036)	ND(0.035)	ND(0.041)	ND(0.040) [ND(0.043)]	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.043)
Xylenes (total)	0.041	ND(0.070)	ND(0.081)	0.044 [0.082]	0.031 [0.10]	0.042	ND(0.082)	ND(0.075)	0.012
Semivolatiles									
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
2,4,6-Trichlorophenol	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
2,4-Dichlorophenol	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
2,4-Dimethylphenol	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
2,4-Dinitrophenol	ND(0.70)	ND(0.67)	ND(0.77)	ND(16) [ND(1.6)]	ND(7.6) [ND(0.76)]	ND(1.5)	ND(0.79) J	ND(0.72)	ND(0.82)
2,4-Dinitrotoluene	ND(0.70)	ND(0.67)	ND(0.77)	ND(16) [ND(1.6)]	ND(7.6) [ND(0.76)]	0.075 J	ND(0.79)	ND(0.72)	ND(0.82)
2,6-Dinitrotoluene	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
2-Chloronaphthalene	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
2-Chlorophenol	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
2-Methyl naphthalene	ND(0.18)	ND(0.17)	ND(0.20)	5.8 [4.9]	4.3 [0.20]	2.1	ND(0.20)	ND(0.18)	ND(0.21)
2-Methylphenol	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
2-Nitroaniline	ND(0.70)	ND(0.67)	ND(0.77)	ND(16) [ND(1.6)]	ND(7.6) [ND(0.76)]	ND(1.5)	ND(0.79)	ND(0.72)	ND(0.82)
2-Nitrophenol	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
3&4-Methylphenol	ND(0.36)	ND(0.34)	ND(0.39)	ND(7.9) [ND(0.83)]	ND(3.9) [ND(0.39)]	ND(0.76)	ND(0.40)	ND(0.37)	ND(0.41)
3,3-Dichlorobenzidine	ND(0.70)	ND(0.67)	ND(0.77)	ND(39) [ND(8.2) J]	ND(15) [ND(0.76)]	ND(1.5)	ND(0.79)	ND(7.2)	ND(0.82)
3-Nitroaniline	ND(0.70)	ND(0.67)	ND(0.77)	ND(16) [ND(1.6)]	ND(7.6) [ND(0.76)]	ND(1.5)	ND(0.79)	ND(0.72)	ND(0.82)
4,6-Dinitro-2-methylphenol	ND(0.70)	ND(0.67)	ND(0.77)	ND(16) J [ND(8.2) J]	ND(7.6) [ND(0.76)]	ND(1.5)	ND(0.79)	ND(0.72)	ND(0.82)
4-Bromophenyl phenyl ether	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) J [ND(2.1) J]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
4-Chloro-3-methylphenol	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-12-01	RFI-12-02	RFI-12-02	RFI-12-02	RFI-12-02	RFI-12-03	RFI-12-03	RFI-12-04	RFI-12-04
Sample Depth(feet):	6-8	0.7-2	14-16	6-8	8-10	0-2	4-5.1	0-2	8-10
Date Collected:	05/15/01	05/15/01	05/15/01	05/15/01	05/15/01	05/23/01	05/23/01	05/15/01	05/15/01
4-Chloroaniline	ND(0.70)	ND(0.67)	ND(0.77)	ND(16) [ND(1.6)]	ND(7.6) [ND(0.76)]	ND(1.5)	ND(0.79)	ND(0.72)	ND(0.82)
4-Chlorophenyl phenyl ether	ND(0.70)	ND(0.67)	ND(0.77)	ND(16) [ND(1.6)]	ND(7.6) [ND(0.76)]	ND(1.5)	ND(0.79)	ND(0.72)	ND(0.82)
4-Nitroaniline	ND(0.70)	ND(0.67)	ND(0.77)	ND(16) [ND(1.6)]	ND(7.6) [ND(0.76)]	ND(1.5)	ND(0.79)	ND(0.72)	ND(0.82)
4-Nitrophenol	ND(0.70)	ND(0.67)	ND(0.77)	ND(16) J [ND(8.2) J]	ND(7.6) J [ND(0.76)]	ND(1.5)	ND(0.79)	ND(0.72) J	ND(0.82)
Acenaphthene	0.040 J	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	3.3	0.12 J	ND(0.18)	ND(0.21)
Acenaphthylene	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
Acetophenone	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
Anthracene	0.080 J	ND(0.17)	ND(0.20)	ND(4.0) J [ND(2.1) J]	ND(1.9) [ND(0.19)]	0.62	0.086 J	0.055 J	ND(0.21)
Atrazine	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) J [ND(2.1) J]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
Benzaldehyde	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
Benzo(a)anthracene	0.32	ND(0.17)	ND(0.20)	ND(9.9) [0.50 J]	ND(3.9) [ND(0.19)]	0.86	0.061 J	0.22 J	ND(0.21)
Benzo(a)pyrene	0.37	ND(0.17)	ND(0.20)	ND(9.9) J [0.42 R]	ND(1.9) [ND(0.19)]	0.71 J	ND(0.20)	0.26 J	ND(0.21)
Benzo(b)fluoranthene	0.37	ND(0.17)	ND(0.20)	ND(9.9) J [0.42 R]	ND(3.9) [ND(0.19)]	0.74 J	ND(0.20)	0.36 J	ND(0.21)
Benzo(g,h,i)perylene	0.25	ND(0.17)	ND(0.20)	ND(9.9) J [0.42 R]	ND(3.9) [ND(0.19)]	0.65 J	ND(0.20)	0.22 J	ND(0.21)
Benzo(k)fluoranthene	0.3	ND(0.17)	ND(0.20)	ND(9.9) J [0.42 R]	ND(3.9) [ND(0.19)]	0.68 J	ND(0.20)	0.30 J	ND(0.21)
Biphenyl	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	0.61	ND(0.20)	ND(0.18)	ND(0.21)
bis(2-Chloroethoxy)methane	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
bis(2-Chloroethyl)ether	ND(0.035)	ND(0.033)	ND(0.038)	ND(0.77) [ND(0.081)]	ND(0.37) [ND(0.037)]	ND(0.073)	ND(0.039)	ND(0.036)	ND(0.040)
bis(2-Chloroisopropyl)ether	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
bis(2-Ethylhexyl)phthalate	ND(0.25)	ND(0.17)	ND(0.20)	ND(4.0) [ND(2.1) J]	ND(1.9) [ND(0.19)]	0.19 J	ND(0.20)	ND(0.18) J	ND(0.21)
Butyl benzylphthalate	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(2.1) J]	ND(3.9) [ND(0.19)]	0.17 J	ND(0.20)	ND(0.18) J	ND(0.21)
Caprolactam	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
Carbazole	0.046 J	ND(0.17)	ND(0.20)	ND(4.0) J [ND(2.1) J]	ND(1.9) [ND(0.19)]	0.27 J	ND(0.20)	ND(0.18)	ND(0.21)
Chrysene	0.37	ND(0.17)	ND(0.20)	ND(9.9) [0.83 J]	ND(3.9) [0.087 J]	0.85	0.058 J	0.25 J	ND(0.21)
Di-n-butylphthalate	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) J [ND(2.1) J]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
Di-n-octyl phthalate	ND(0.18)	ND(0.17)	ND(0.20)	ND(9.9) J [0.42 R]	ND(3.9) [ND(0.19)]	ND(0.38) J	ND(0.20)	ND(1.8)	ND(0.21)
Dibenzo(a,h)anthracene	0.099 J	ND(0.17)	ND(0.20)	ND(4.0) [0.42 R]	ND(3.9) [ND(0.19)]	0.23 J	ND(0.20)	ND(1.8)	ND(0.21)
Dibenzofuran	0.036 J	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [0.091 J]	1.8	0.10 J	ND(0.18)	ND(0.21)
Diethyl phthalate	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
Dimethyl phthalate	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
Fluoranthene	0.58	ND(0.17)	ND(0.20)	ND(4.0) J [ND(2.1) J]	ND(1.9) [ND(0.19)]	2.1	0.35	0.26	ND(0.21)
Fluorene	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [0.21]	1.5	0.11 J	ND(0.18)	ND(0.21)
Hexachlorobenzene	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) J [ND(2.1) J]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
Hexachlorobutadiene	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
Hexachlorocyclopentadiene	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
Hexachloroethane	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
Indeno(1,2,3-cd)pyrene	0.22	ND(0.17)	ND(0.20)	ND(9.9) J [0.42 R]	ND(3.9) [ND(0.19)]	0.58 J	ND(0.20)	ND(1.8)	ND(0.21)
Isophorone	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
Methylphenols, Total	ND(0.36)	ND(0.34)	ND(0.39)	ND(7.9) [ND(0.83)]	ND(3.9) [ND(0.39)]	ND(0.76)	ND(0.40)	ND(0.37)	ND(0.41)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-12-01	RFI-12-02	RFI-12-02	RFI-12-02	RFI-12-02	RFI-12-03	RFI-12-03	RFI-12-04	RFI-12-04
Sample Depth(feet):	6-8	0.7-2	14-16	6-8	8-10	0-2	4-5.1	0-2	8-10
Date Collected:	05/15/01	05/15/01	05/15/01	05/15/01	05/15/01	05/23/01	05/23/01	05/15/01	05/15/01
N-Nitrosodi-n-propylamine	ND(0.18)	ND(0.17)	ND(0.20)	ND(9.9) J [ND(2.1) J]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
N-Nitrosodiphenylamine	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
Naphthalene	0.068 J	ND(0.17)	ND(0.20)	0.96 J [0.82]	0.69 J [ND(0.19)]	2.9	0.11 J	ND(0.18)	ND(0.21)
Nitrobenzene	ND(0.070)	ND(0.067)	ND(0.077)	ND(1.6) [ND(0.16)]	ND(0.76) [ND(0.076)]	ND(0.15)	ND(0.079)	ND(0.072)	ND(0.082)
Pentachlorophenol	ND(0.70)	ND(0.67)	ND(0.77)	ND(16) J [ND(8.2) J]	ND(7.6) [ND(0.76)]	ND(1.5)	ND(0.79)	ND(0.72)	ND(0.82)
Phenanthrene	0.38	ND(0.17)	ND(0.20)	4.6 J [4.5 J]	3.7 [ND(0.19)]	3.7	0.52	0.18 J	ND(0.21)
Phenol	ND(0.18)	ND(0.17)	ND(0.20)	ND(4.0) [ND(0.42)]	ND(1.9) [ND(0.19)]	ND(0.38)	ND(0.20)	ND(0.18)	ND(0.21)
Pyrene	0.69	ND(0.17)	ND(0.20)	2.1 J [2.1 J]	ND(3.9) [0.15 J]	3.2	0.22	0.96 J	ND(0.21)
Inorganics									
Antimony	ND(0.32)	ND(0.42)	ND(0.46)	ND(0.37) [ND(0.35)]	ND(0.34) [ND(0.29)]	0.33 J	ND(0.42)	ND(0.39)	ND(0.39)
Arsenic	4.8	3.7	5.4	5.9 [5.8]	10(RDC) [8.4(RDC)]	4.4 J	1.1 J	4.5	8.9(RDC)
Barium	31 J	13 J	39	150 J [110 J]	130 J [75 J]	50 J	12 J	36 J	88 J
Beryllium	0.27	0.15 J	0.39	0.25 [0.85]	0.7 [0.55]	0.31 J	0.16 J	0.23	0.67
Cadmium	0.15 J	0.11 J	0.12	0.18 J [0.47 J]	0.58 J [0.14 J]	0.24	0.041	0.25 J	0.14 J
Chromium	15 J	6.8 J	11	16 J [17 J]	22 J [17 J]	19	3.6	16 J	20 J
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	3.6	2.3	5.4	3.8 [9.3]	17 [8.9]	3.3	0.84	3.2	9.7
Copper	16	5.8	10	54 [11]	16 [10]	15	3.1	15	17
Cyanide (total)	ND(0.20)	ND(0.20)	0.0078 J	ND(0.20) [ND(0.20)]	ND(0.20) [0.0097 J]	0.25	0.046 J	ND(0.20)	ND(0.20)
Lead	24 J	5.1 J	8.3	11,000 J(RDC,IDC) [8,700 J(RDC,IDC)]	260 J [840 J(RDC)]	34 J	3.6 J	20 J	12 J
Manganese	340 J	140 J	200	42 J [120 J]	1,300 J [510 J]	280 J	61 J	450 J	740 J
Mercury	0.024 J	ND(0.070)	ND(0.078)	0.067 J [0.042 J]	0.033 J [0.027 J]	0.046 J	ND(0.083)	0.021 J	0.021 J
Nickel	13	7.5	14	9.2 [19]	24 [19]	14	2.7	13	26
Selenium	ND(1.3)	ND(1.7)	ND(1.8)	0.56 J [0.46 J]	0.49 J [ND(1.2)]	ND(1.7)	ND(1.7)	ND(1.6)	ND(1.6)
Silver	0.044 J	0.079 J	0.10 J	0.13 J [0.20]	0.080 J [0.067 J]	0.14 J	0.059 J	0.048 J	0.096 J
Thallium	ND(0.20)	ND(0.27)	0.18 J	ND(0.24) [ND(0.22)]	ND(0.22) [ND(0.19)]	ND(0.26)	ND(0.27)	ND(0.25)	0.23 J
Vanadium	13 J	8.9 J	19	20 J [26 J]	32 J [28 J]	13	6.2	12 J	31 J
Zinc	37 J	24 J	34	29 J [74 J]	80 J [44 J]	70	13	54 J	50 J
PCBs									
Aroclor-1016	ND(0.037)	ND(0.035)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.043)
Aroclor-1221	ND(0.037)	ND(0.035)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.043)
Aroclor-1232	ND(0.037)	ND(0.035)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.043)
Aroclor-1242	ND(0.037)	ND(0.035)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.043)
Aroclor-1248	ND(0.037)	ND(0.035)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.041)	ND(0.038)	ND(0.043)
Aroclor-1254	0.11	ND(0.035)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.040) [ND(0.040)]	0.019 J	ND(0.041)	ND(0.038)	ND(0.043)
Aroclor-1260	0.076	ND(0.035)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.040) [ND(0.040)]	0.035 J	ND(0.041)	ND(0.038)	ND(0.043)
Total PCBs	0.19	ND(0.035)	ND(0.040)	ND(0.041) [ND(0.043)]	ND(0.040) [ND(0.040)]	0.054	ND(0.041)	ND(0.038)	ND(0.043)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-12-05	RFI-12-06	RFI-12-06	RFI-12-07	RFI-12-07	RFI-12-07	RFI-12-08	RFI-12-08	RFI-12-08	RFI-12-08	RFI-12-10	RFI-12-10	RFI-12-11D
Sample Depth(feet):	2-4	1.2-3.2	7.2-9.2	0.9-2	12-14	8-10	0.9-2	16-18	6-8	8-10	4-6	6-8	1.1-3.1
Date Collected:	05/15/01	05/24/01	05/24/01	05/10/01	05/10/01	05/10/01	05/11/01	05/11/01	05/11/01	05/11/01	05/25/01	05/25/01	06/05/01
Volatiles													
1,1,1-Trichloroethane	ND(0.037)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.043)	ND(0.040)	ND(0.044)	ND(0.037)
1,1,2,2-Tetrachloroethane	ND(0.073)	ND(0.084)	ND(0.081)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.077)	ND(0.074)	ND(0.087)	ND(0.079)	ND(0.087)	ND(0.074)
1,1,2-Trichloroethane	ND(0.037)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.043)	ND(0.040)	ND(0.044)	ND(0.037)
1,1-Dichloroethane	ND(0.037)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.043)	ND(0.040)	ND(0.044)	ND(0.037)
1,1-Dichloroethene	ND(0.037)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.043)	ND(0.040)	ND(0.044)	ND(0.037)
1,2,4-Trichlorobenzene	ND(0.16) J	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.16)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16) J	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.16)
1,2-Dibromoethane (EDB)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.16)
1,2-Dichlorobenzene	ND(0.073)	ND(0.084)	ND(0.081)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.077)	ND(0.074)	ND(0.087)	ND(0.079)	ND(0.087)	ND(0.074)
1,2-Dichloroethane	ND(0.037)	0.016 J	0.014 J	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.043)	ND(0.040)	0.015 J	ND(0.037)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.037)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.043)	ND(0.040)	ND(0.044)	ND(0.037)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.073)	ND(0.084)	ND(0.081)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.077)	ND(0.074)	ND(0.087)	ND(0.079)	ND(0.087)	ND(0.074)
1,4-Dichlorobenzene	ND(0.073)	ND(0.084)	ND(0.081)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.077)	ND(0.074)	ND(0.087)	ND(0.079)	ND(0.087)	ND(0.074)
2-Butanone	ND(0.26)	ND(0.30)	ND(0.29)	ND(0.27)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.27)	ND(0.26)	ND(0.31)	ND(0.28) J	ND(0.31) J	ND(0.26)
2-Hexanone	ND(0.26)	ND(0.30)	ND(0.29)	ND(0.27)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.27)	ND(0.26)	ND(0.31)	ND(0.28)	ND(0.31)	ND(0.26)
4-Methyl-2-pentanone	ND(0.26)	ND(0.30)	ND(0.29)	ND(0.27)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.27)	ND(0.26)	ND(0.31)	ND(0.28)	ND(0.31)	ND(0.26)
Acetone	ND(0.26)	ND(0.30)	0.096 J	ND(0.27)	ND(0.26)	ND(0.26)	ND(0.26)	0.062 J	0.13 J	0.063 J	ND(0.28) J	ND(0.31) J	ND(0.26)
Benzene	ND(0.037)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.043)	ND(0.040)	ND(0.044)	ND(0.037)
Benzene, isopropyl	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.16)
Bromodichloromethane	ND(0.073)	ND(0.084)	ND(0.081)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.077)	ND(0.074)	ND(0.087)	ND(0.079)	ND(0.087)	ND(0.074)
Bromoform	ND(0.073)	ND(0.084)	ND(0.081)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.077)	ND(0.074)	ND(0.087)	ND(0.079)	ND(0.087)	ND(0.074)
Bromomethane	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.16)
Carbon disulfide	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.16)
Carbon tetrachloride	ND(0.037)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.043)	ND(0.040)	ND(0.044)	ND(0.037)
Chlorobenzene	ND(0.037)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.043)	ND(0.040)	ND(0.044)	ND(0.037)
Chloroethane	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.16)
Chloroform	ND(0.037)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.043)	ND(0.040)	ND(0.044)	ND(0.037)
Chloromethane	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.16)
cis-1,2-Dichloroethene	ND(0.037) J	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.043)	ND(0.040)	ND(0.044)	ND(0.037)
cis-1,3-Dichloropropene	ND(0.037)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.043)	ND(0.040)	ND(0.044)	ND(0.037)
Cyclohexane	ND(0.16) J	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16) J	ND(0.16) J	ND(0.16) J	ND(0.19) J	ND(0.17)	ND(0.19)	ND(0.16)
Dibromochloromethane	ND(0.073)	ND(0.084)	ND(0.081)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.077)	ND(0.074)	ND(0.087)	ND(0.079)	ND(0.087)	ND(0.074)
Dichlorodifluoromethane (CFC-12)	ND(0.073)	ND(0.084)	ND(0.081)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.077)	ND(0.074)	ND(0.087)	ND(0.079)	ND(0.087)	ND(0.074)
Ethylbenzene	ND(0.037)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	0.04	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.043)	ND(0.040)	ND(0.044)	ND(0.037)
m&p-Xylene	ND(0.073)	ND(0.084)	ND(0.081)	0.043 J	ND(0.074)	0.15	ND(0.074)	ND(0.077)	0.051 J	ND(0.087)	ND(0.079)	ND(0.087)	ND(0.074)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-12-05	RFI-12-06	RFI-12-06	RFI-12-07	RFI-12-07	RFI-12-07	RFI-12-08	RFI-12-08	RFI-12-08	RFI-12-08	RFI-12-10	RFI-12-10	RFI-12-11D
Sample Depth(feet):	2-4	1.2-3.2	7.2-9.2	0.9-2	12-14	8-10	0.9-2	16-18	6-8	8-10	4-6	6-8	1.1-3.1
Date Collected:	05/15/01	05/24/01	05/24/01	05/10/01	05/10/01	05/10/01	05/11/01	05/11/01	05/11/01	05/11/01	05/25/01	05/25/01	06/05/01
Methyl acetate	0.012 J	ND(0.18)	0.025 J	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.19)	0.054 J	0.021 J	ND(0.16)
Methyl Tert Butyl Ether	ND(0.26)	ND(0.30)	ND(0.29)	ND(0.27)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.27)	ND(0.26)	ND(0.31)	ND(0.28)	ND(0.31)	ND(0.26)
Methylcyclohexane	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.19)	0.018 J	0.024 J	0.032 J
Methylene chloride	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.16)
o-Xylene	ND(0.037)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	0.047	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.043)	ND(0.040)	ND(0.044)	ND(0.037)
Styrene	ND(0.037)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.043)	ND(0.040)	ND(0.044)	ND(0.037)
Tetrachloroethene	ND(0.037)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.043)	ND(0.040)	ND(0.044)	ND(0.037)
Toluene	ND(0.037)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.043)	ND(0.040)	ND(0.044)	ND(0.037)
trans-1,2-Dichloroethene	ND(0.037)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.043)	ND(0.040)	ND(0.044)	ND(0.037)
trans-1,3-Dichloropropene	ND(0.037)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.043)	ND(0.040)	ND(0.044)	ND(0.037)
Trichloroethene	ND(0.037)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.043)	ND(0.040)	ND(0.044)	ND(0.037)
Trichlorofluoromethane (CFC-11)	ND(0.073)	ND(0.084)	ND(0.081)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.077)	ND(0.074)	ND(0.087)	ND(0.079)	ND(0.087)	ND(0.074)
Trifluorotrichloroethane (Freon 113)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.16)
Vinyl chloride	ND(0.037)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.043)	ND(0.040)	ND(0.044)	ND(0.037)
Xylenes (total)	ND(0.073)	ND(0.084)	ND(0.081)	0.043	ND(0.074)	0.2	ND(0.074)	ND(0.077)	0.051	ND(0.087)	ND(0.079)	ND(0.087)	ND(0.074)
Semivolatiles													
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
2,4,6-Trichlorophenol	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
2,4-Dichlorophenol	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
2,4-Dimethylphenol	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
2,4-Dinitrophenol	ND(0.70)	ND(0.79)	ND(0.77)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	ND(0.73)	ND(0.72)	ND(0.82)	ND(7.6)	ND(0.83)	ND(0.72)
2,4-Dinitrotoluene	ND(0.70)	ND(0.79)	ND(0.77)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	ND(0.73)	ND(0.72)	ND(0.82)	ND(7.6)	ND(0.83)	ND(0.72)
2,6-Dinitrotoluene	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
2-Chloronaphthalene	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
2-Chlorophenol	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
2-Methyl naphthalene	ND(0.18)	ND(0.20)	ND(0.20)	0.22	ND(0.18)	0.21	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	0.22	0.044 J
2-Methylphenol	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
2-Nitroaniline	ND(0.70)	ND(0.79)	ND(0.77)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	ND(0.73)	ND(0.72)	ND(0.82)	ND(7.6)	ND(0.83)	ND(0.72)
2-Nitrophenol	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
3&4-Methylphenol	ND(0.35)	ND(0.40)	ND(0.39)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.42)	ND(3.9)	ND(0.42)	ND(0.36)
3,3-Dichlorobenzidine	ND(0.70)	ND(0.79)	ND(0.77)	ND(0.71)	ND(0.70)	ND(0.71)	ND(7.0) D	ND(0.73)	ND(0.72)	ND(0.82)	ND(7.6)	ND(0.83) J	ND(0.72)
3-Nitroaniline	ND(0.70)	ND(0.79)	ND(0.77)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	ND(0.73)	ND(0.72)	ND(0.82)	ND(7.6)	ND(0.83)	ND(0.72)
4,6-Dinitro-2-methylphenol	ND(0.70)	ND(0.79)	ND(0.77)	ND(0.71)	ND(0.70)	ND(0.71)	ND(7.0) D	ND(0.73)	ND(0.72)	ND(0.82)	ND(7.6)	ND(0.83)	ND(0.72)
4-Bromophenyl phenyl ether	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(1.8) D	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
4-Chloro-3-methylphenol	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-12-05	RFI-12-06	RFI-12-06	RFI-12-07	RFI-12-07	RFI-12-07	RFI-12-08	RFI-12-08	RFI-12-08	RFI-12-08	RFI-12-10	RFI-12-10	RFI-12-11D
Sample Depth(feet):	2-4	1.2-3.2	7.2-9.2	0.9-2	12-14	8-10	0.9-2	16-18	6-8	8-10	4-6	6-8	1.1-3.1
Date Collected:	05/15/01	05/24/01	05/24/01	05/10/01	05/10/01	05/10/01	05/11/01	05/11/01	05/11/01	05/11/01	05/25/01	05/25/01	06/05/01
4-Chloroaniline	ND(0.70)	ND(0.79)	ND(0.77)	ND(0.71) J	ND(0.70) J	ND(0.71) J	ND(0.70)	ND(0.73)	ND(0.72)	ND(0.82) J	ND(7.6)	ND(0.83)	ND(0.72)
4-Chlorophenyl phenyl ether	ND(0.70)	ND(0.79)	ND(0.77)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	ND(0.73)	ND(0.72)	ND(0.82)	ND(7.6)	ND(0.83)	ND(0.72)
4-Nitroaniline	ND(0.70)	ND(0.79)	ND(0.77)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	ND(0.73)	ND(0.72)	ND(0.82)	ND(7.6)	ND(0.83)	ND(0.72)
4-Nitrophenol	ND(0.70)	ND(0.79)	ND(0.77)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	ND(0.73)	ND(0.72)	ND(0.82)	ND(7.6)	ND(0.83)	ND(0.72)
Acenaphthene	0.067 J	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	2.3	ND(0.21)	ND(0.18)
Acenaphthylene	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
Acetophenone	ND(0.18)	ND(0.20) J	ND(0.20) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9) J	ND(0.21) J	ND(0.18)
Anthracene	0.083 J	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(1.8) D	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	0.082 J	0.029 J
Atrazine	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(1.8) D	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
Benzaldehyde	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.18) J	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18) J
Benzo(a)anthracene	0.093 J	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	0.48 DJ	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21) J	0.085 J
Benzo(a)pyrene	0.042 J	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	0.78 DJ	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	0.080 J
Benzo(b)fluoranthene	0.060 J	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	0.93 DJ	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	0.086 J
Benzo(g,h,i)perylene	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	0.63 DJ	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
Benzo(k)fluoranthene	0.057 J	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	0.63 DJ	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	0.073 J
Biphenyl	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
bis(2-Chloroethoxy)methane	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
bis(2-Chloroethyl)ether	ND(0.034)	ND(0.039) J	ND(0.038)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.036)	ND(0.036)	ND(0.041)	ND(0.38) J	ND(0.041) J	ND(0.035) J
bis(2-Chloroisopropyl)ether	ND(0.18)	ND(0.20)	ND(0.20) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18) J
bis(2-Ethylhexyl)phthalate	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(1.8) D	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21) J	ND(0.18) J
Butyl benzylphthalate	ND(0.18)	ND(0.20)	ND(0.20)	0.10 J	0.14 J	0.24	ND(1.8) D	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21) J	ND(0.18)
Caprolactam	ND(0.18)	ND(0.20) J	ND(0.20) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9) J	ND(0.21) J	ND(0.18)
Carbazole	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(1.8) D	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
Chrysene	0.086 J	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	0.66 DJ	ND(0.19)	0.071 J	ND(0.21)	ND(1.9)	0.22 J	0.11 J
Di-n-butylphthalate	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(1.8) D	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18) J
Di-n-octyl phthalate	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18) J	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18) J
Dibenzo(a,h)anthracene	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(1.8) DJ	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18) J
Dibenzofuran	0.12 J	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	0.025 J
Diethyl phthalate	ND(0.18)	ND(0.20)	ND(0.20)	0.069 J	ND(0.18)	0.055 J	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	0.031 J
Dimethyl phthalate	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
Fluoranthene	0.58	ND(0.20)	ND(0.20)	0.084 J	0.041 J	0.040 J	0.81 DJ	0.039 J	0.050 J	ND(0.21)	2.5	ND(0.21)	0.16 J
Fluorene	0.039 J	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	0.058 J	ND(0.21)	1.9 J	0.11 J	ND(0.18)
Hexachlorobenzene	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(1.8) D	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
Hexachlorobutadiene	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
Hexachlorocyclopentadiene	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
Hexachloroethane	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
Indeno(1,2,3-cd)pyrene	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	0.51 DJ	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	0.083 J
Isophorone	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18) J	ND(0.18) J	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
Methylphenols, Total	ND(0.35)	ND(0.40)	ND(0.39)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.37)	ND(0.37)	ND(0.42)	ND(3.9)	ND(0.42)	ND(0.36)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-12-05	RFI-12-06	RFI-12-06	RFI-12-07	RFI-12-07	RFI-12-07	RFI-12-08	RFI-12-08	RFI-12-08	RFI-12-08	RFI-12-10	RFI-12-10	RFI-12-11D
Sample Depth(feet):	2-4	1.2-3.2	7.2-9.2	0.9-2	12-14	8-10	0.9-2	16-18	6-8	8-10	4-6	6-8	1.1-3.1
Date Collected:	05/15/01	05/24/01	05/24/01	05/10/01	05/10/01	05/10/01	05/11/01	05/11/01	05/11/01	05/11/01	05/25/01	05/25/01	06/05/01
N-Nitrosodi-n-propylamine	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18) J
N-Nitrosodiphenylamine	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(1.8) D	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
Naphthalene	ND(0.18)	ND(0.20)	ND(0.20)	0.093 J	0.051 J	0.10 J	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	2.5	0.046 J	0.040 J
Nitrobenzene	ND(0.070)	ND(0.079)	ND(0.077)	ND(0.071)	ND(0.070)	ND(0.071)	ND(0.070)	ND(0.073)	ND(0.072)	ND(0.082)	ND(0.76)	ND(0.083)	ND(0.072)
Pentachlorophenol	ND(0.70)	ND(0.79)	ND(0.77)	ND(0.71)	ND(0.70)	ND(0.71)	ND(0.70)	ND(0.73)	ND(0.72)	ND(0.82)	ND(7.6)	ND(0.83)	ND(0.72)
Phenanthrene	1	ND(0.20)	ND(0.20)	0.082 J	0.055 J	0.066 J	0.44 DJ	ND(0.19)	0.066 J	ND(0.21)	5.6	0.61	0.16 J
Phenol	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.21)	ND(1.9)	ND(0.21)	ND(0.18)
Pyrene	0.42	ND(0.20)	ND(0.20)	0.081 J	0.045 J	ND(0.18)	0.83 DJ	ND(0.19)	0.077 J	ND(0.21)	4.3	0.34 J	0.16 J
Inorganics													
Antimony	ND(0.30)	ND(0.43) J	ND(0.45) J	0.42 J	0.27 J	0.42	ND(0.36)	ND(0.29)	ND(0.32)	ND(0.38)	ND(0.40)	ND(0.38)	0.37 J
Arsenic	3.8	3.5 J	5.1 J	7.8 J(RDC)	6.7 J	11 J(RDC)	3.9 J	4.2 J	4.3 J	22 J(RDC)	3.3 J	4.7 J	3.7
Barium	38 J	44 J	58 J	19 J	12 J	21 J	26 J	27 J	87 J	120 J	32 J	110 J	25
Beryllium	0.28	0.37 J	0.47 J	0.17 J	0.11 J	0.16 J	0.46 J	0.24 J	0.31 J	0.93 J	0.19 J	0.79 J	0.43
Cadmium	0.081 J	0.11 J	0.18 J	0.084 J	0.060 J	0.079 J	0.27 J	0.087 J	0.47 J	0.17 J	0.19 J	0.095 J	0.64
Chromium	7.0 J	9.0 J	12 J	92 J	71 J	110 J	11 J	8.9 J	13 J	22 J	15	27	73
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	2.6	3.0 J	4.3 J	5.9 J	3.9 J	4.8 J	2.8 J	4.4 J	4.6 J	15 J	3.7 J	9.8 J	3.4
Copper	7.3	7.7 J	11 J	64 J	52 J	80 J	17 J	12 J	26 J	21 J	12 J	13 J	420
Cyanide (total)	ND(0.20)	0.023 J	0.018 J	0.074 J	0.065 J	0.079 J	ND(0.20)	0.024 J	0.027 J	0.018 J	0.011 J	ND(0.20)	0.033 J
Lead	5.8 J	5.5 J	6.2 J	6.8	4.6	6.7	24 J	6.2 J	11 J	21 J	7.0 J	12 J	460(RDC)
Manganese	130 J	160	210	500	430	400	220	240	180	620	280 J	210 J	1,900 J(IPSIC)
Mercury	ND(0.069)	0.068 J	0.022 J	ND(0.071)	ND(0.073)	ND(0.073)	0.017 J	ND(0.073)	0.024 J	0.030 J	ND(0.078)	0.029 J	0.029 J
Nickel	7.7	11 J	14 J	70 J	50 J	49 J	11	11	9.6	32	17 J	27 J	34
Selenium	0.70 J	0.70 J	0.72 J	ND(1.8)	ND(1.5)	ND(1.6)	ND(1.5)	0.51 J	0.64 J	ND(1.9)	ND(1.6)	ND(1.5)	ND(1.7)
Silver	ND(0.14)	0.047 J	0.058 J	0.42 J	0.20 J	0.40 J	0.063 J	0.084 J	0.13 J	0.11 J	0.22 J	0.11 J	0.14 J
Thallium	ND(0.19)	0.098 J	0.16 J	ND(0.29)	ND(0.28)	ND(0.26)	ND(0.23) J	0.079 J	ND(0.20) J	0.14 J	ND(0.25)	0.20 J	ND(0.27)
Vanadium	9.9 J	12 J	17 J	7.4 J	7.8 J	10 J	12 J	14 J	16 J	41 J	20 J	34 J	13
Zinc	25 J	18 J	24 J	13 J	9.2 J	15 J	44 J	30 J	150 J	60 J	24 J	52 J	140
PCBs													
Aroclor-1016	ND(0.036)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.038)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.038)
Aroclor-1221	ND(0.036)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.038)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.038)
Aroclor-1232	ND(0.036)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.038)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.038)
Aroclor-1242	ND(0.036)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.038)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.038)
Aroclor-1248	ND(0.036)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.038)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.038)
Aroclor-1254	ND(0.036)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.038)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.038)
Aroclor-1260	ND(0.036)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.038)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.038)
Total PCBs	ND(0.036)	ND(0.042)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.038)	ND(0.043)	ND(0.040)	ND(0.043)	ND(0.038)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-12-11D	RFI-12-14	RFI-12-14	RFI-12-15	RFI-12-16	RFI-12-16	RFI-12-16	RFI-12-17	RFI-12-17	RFI-12-17	RFI-12-18	RFI-12-18	RFI-12-18
Sample Depth(feet):	5.1-7.1	7-9	9-11	1-3	1-3	6-8	8-10	1-3	6-8	8-10	1-3	6-8	8-10
Date Collected:	06/05/01	06/07/01	06/07/01	06/08/01	09/10/01	09/10/01	09/10/01	09/07/01	09/10/01	09/10/01	09/10/01	09/10/01	09/10/01
Volatiles													
1,1,1-Trichloroethane	ND(0.042)	ND(0.037)	ND(0.036)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1,2,2-Tetrachloroethane	ND(0.083)	ND(0.075)	ND(0.073)	ND(0.080)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1,2-Trichloroethane	ND(0.042)	ND(0.037)	ND(0.036)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	ND(0.042)	ND(0.037)	ND(0.036)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethene	ND(0.042)	ND(0.037)	ND(0.036)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	ND(0.18)	ND(0.16) J	ND(0.16) J	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.18)	ND(0.16) J	ND(0.16) J	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromoethane (EDB)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	ND(0.083)	ND(0.075)	ND(0.073)	ND(0.080)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloroethane	ND(0.042)	ND(0.037)	ND(0.036)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.042)	ND(0.037)	ND(0.036)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.083)	ND(0.075)	ND(0.073)	ND(0.080)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	ND(0.083)	ND(0.075)	ND(0.073)	ND(0.080)	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	ND(0.30)	ND(0.27) J	ND(0.26) J	ND(0.28)	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Hexanone	ND(0.30)	ND(0.27)	ND(0.26)	ND(0.28)	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	ND(0.30)	ND(0.27)	ND(0.26)	ND(0.28)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	ND(0.30)	ND(0.27) J	ND(0.26)	ND(0.28)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzene	ND(0.042)	ND(0.037)	ND(0.036)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzene, isopropyl	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	ND(0.083)	ND(0.075)	ND(0.073)	ND(0.080)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromoform	ND(0.083)	ND(0.075)	ND(0.073)	ND(0.080)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromomethane	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon tetrachloride	ND(0.042)	ND(0.037)	ND(0.036)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	ND(0.042)	ND(0.037)	ND(0.036)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroethane	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	ND(0.042)	ND(0.037)	ND(0.036)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	ND(0.042)	ND(0.037)	ND(0.036)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	NS	NS
cis-1,3-Dichloropropene	ND(0.042)	ND(0.037)	ND(0.036)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyclohexane	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	ND(0.083)	ND(0.075)	ND(0.073)	ND(0.080)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dichlorodifluoromethane (CFC-12)	ND(0.083)	ND(0.075)	ND(0.073)	ND(0.080)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	ND(0.042)	ND(0.037)	ND(0.036)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	NS	NS
m&p-Xylene	0.072 J	ND(0.075)	ND(0.073)	ND(0.080)	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-12-11D	RFI-12-14	RFI-12-14	RFI-12-15	RFI-12-16	RFI-12-16	RFI-12-16	RFI-12-17	RFI-12-17	RFI-12-17	RFI-12-18	RFI-12-18	RFI-12-18
Sample Depth(feet):	5.1-7.1	7-9	9-11	1-3	1-3	6-8	8-10	1-3	6-8	8-10	1-3	6-8	8-10
Date Collected:	06/05/01	06/07/01	06/07/01	06/08/01	09/10/01	09/10/01	09/10/01	09/07/01	09/10/01	09/10/01	09/10/01	09/10/01	09/10/01
Methyl acetate	ND(0.18)	ND(0.16) J	ND(0.16) J	0.39 J	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methyl Tert Butyl Ether	ND(0.30)	ND(0.27)	ND(0.26)	ND(0.28)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylcyclohexane	0.15 J	ND(0.16)	ND(0.16)	0.028 J	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	ND(0.18)	0.14 J	0.15 J	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	NS	NS
o-Xylene	0.040 J	ND(0.037)	ND(0.036)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	ND(0.042)	ND(0.037)	ND(0.036)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	ND(0.042)	ND(0.037)	ND(0.036)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	0.039 J	ND(0.037)	ND(0.036)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	NS	NS
trans-1,2-Dichloroethene	ND(0.042)	ND(0.037)	ND(0.036)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	NS	NS
trans-1,3-Dichloropropene	ND(0.042)	ND(0.037)	ND(0.036)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	ND(0.042)	ND(0.037)	ND(0.036)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichlorofluoromethane (CFC-11)	ND(0.083)	ND(0.075)	ND(0.073)	ND(0.080)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trifluorotrichloroethane (Freon 113)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vinyl chloride	ND(0.042)	ND(0.037)	ND(0.036)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	0.11	ND(0.075)	ND(0.073)	ND(0.080)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Semivolatiles													
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dichlorophenol	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrophenol	ND(0.79)	ND(0.71)	ND(0.69)	ND(0.75)	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	ND(0.79)	ND(0.71)	ND(0.69)	ND(0.75)	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Chloronaphthalene	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Chlorophenol	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methyl naphthalene	0.16 J	0.027 J	ND(0.17)	0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Nitroaniline	ND(0.79)	ND(0.71)	ND(0.69)	ND(0.75)	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Nitrophenol	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
3&4-Methylphenol	ND(0.40)	ND(0.36)	ND(0.35)	ND(0.38)	NS	NS	NS	NS	NS	NS	NS	NS	NS
3,3-Dichlorobenzidine	ND(0.79)	ND(0.71)	ND(0.69)	ND(0.75)	NS	NS	NS	NS	NS	NS	NS	NS	NS
3-Nitroaniline	ND(0.79)	ND(0.71)	ND(0.69)	ND(0.75)	NS	NS	NS	NS	NS	NS	NS	NS	NS
4,6-Dinitro-2-methylphenol	ND(0.79)	ND(0.71)	ND(0.69)	ND(0.75)	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Bromophenyl phenyl ether	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-12-11D	RFI-12-14	RFI-12-14	RFI-12-15	RFI-12-16	RFI-12-16	RFI-12-16	RFI-12-17	RFI-12-17	RFI-12-17	RFI-12-18	RFI-12-18	RFI-12-18
Sample Depth(feet):	5.1-7.1	7-9	9-11	1-3	1-3	6-8	8-10	1-3	6-8	8-10	1-3	6-8	8-10
Date Collected:	06/05/01	06/07/01	06/07/01	06/08/01	09/10/01	09/10/01	09/10/01	09/07/01	09/10/01	09/10/01	09/10/01	09/10/01	09/10/01
4-Chloroaniline	ND(0.79)	ND(0.71)	ND(0.69)	ND(0.75)	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Chlorophenyl phenyl ether	ND(0.79)	ND(0.71)	ND(0.69)	ND(0.75)	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Nitroaniline	ND(0.79)	ND(0.71)	ND(0.69)	ND(0.75)	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Nitrophenol	ND(0.79)	ND(0.71)	ND(0.69)	ND(0.75)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	0.030 J	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	0.058 J	ND(0.18)	0.034 J	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Atrazine	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	ND(0.20) J	ND(0.18) J	ND(0.17) J	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	0.11 J	0.023 J	0.10 J	0.080 J	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	0.092 J	0.019 J	0.094 J	ND(0.95)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	0.080 J	0.022 J	0.085 J	ND(0.95)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	ND(0.20) J	ND(0.18) J	0.052 J	ND(0.95)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	0.083 J	ND(0.18) J	0.097 J	ND(0.95)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Biphenyl	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Chloroethoxy)methane	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Chloroethyl)ether	ND(0.039) J	ND(0.035) J	ND(0.034)	ND(0.037)	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Chloroisopropyl)ether	ND(0.20) J	ND(0.18) J	ND(0.17) J	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl)phthalate	ND(0.20) J	ND(0.18) J	ND(0.53)	0.26	NS	NS	NS	NS	NS	NS	NS	NS	NS
Butyl benzylphthalate	ND(0.20)	ND(0.18)	ND(0.17)	13 D	NS	NS	NS	NS	NS	NS	NS	NS	NS
Caprolactam	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	0.13 J	0.031 J	0.11 J	0.10 J	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butylphthalate	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-octyl phthalate	ND(0.20) J	ND(0.18) J	ND(0.17)	ND(0.95)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	ND(0.20) J	ND(0.18) J	ND(0.17)	ND(0.95)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	0.073 J	ND(0.18)	ND(0.17)	0.046 J	NS	NS	NS	NS	NS	NS	NS	NS	NS
Diethyl phthalate	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dimethyl phthalate	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	0.24 J	0.045 J	0.21	0.22	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobutadiene	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorocyclopentadiene	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachloroethane	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	ND(0.20) J	ND(0.18) J	0.044 J	ND(0.95)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isophorone	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylphenols, Total	ND(0.40)	ND(0.36)	ND(0.35)	ND(0.38)	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-12-11D	RFI-12-14	RFI-12-14	RFI-12-15	RFI-12-16	RFI-12-16	RFI-12-16	RFI-12-17	RFI-12-17	RFI-12-17	RFI-12-18	RFI-12-18	RFI-12-18
Sample Depth(feet):	5.1-7.1	7-9	9-11	1-3	1-3	6-8	8-10	1-3	6-8	8-10	1-3	6-8	8-10
Date Collected:	06/05/01	06/07/01	06/07/01	06/08/01	09/10/01	09/10/01	09/10/01	09/07/01	09/10/01	09/10/01	09/10/01	09/10/01	09/10/01
N-Nitrosodi-n-propylamine	ND(0.20) J	ND(0.18) J	ND(0.17) J	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
N-Nitrosodiphenylamine	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	0.13 J	0.022 J	ND(0.17) J	0.14 J	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nitrobenzene	ND(0.079)	ND(0.071)	ND(0.069)	ND(0.075)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pentachlorophenol	ND(0.79)	ND(0.71)	ND(0.69)	ND(0.75)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	0.35 J	0.051 J	0.16 J	0.27	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	ND(0.20)	ND(0.18)	ND(0.17)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	0.24 J	0.040 J	0.19	0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS
Inorganics													
Antimony	0.44 R	0.36 R	0.36 R	ND(0.45) J	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	7.1	1.6	0.69	3.2	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	29	6.6	5.8	18 J	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	0.19 J	0.10 J	ND(0.16)	0.18 J	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	0.34	0.064	0.033	0.076	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	91	23	8.1	18	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	6.8	1.5	0.8	2.5	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	260	23	8.4	13	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	0.017 J	0.039 J	0.030 J	0.0090 J	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	210	3.2	8.2	5.3	19 [20]	100	96	4.7	14	13	6	20	11
Manganese	940 J	150 J	84 J	260 J	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	ND(0.078)	ND(0.072)	ND(0.070)	ND(0.076)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	92	11	4.6	13	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	ND(1.8)	ND(1.4)	ND(1.4)	ND(0.82)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	0.11 J	0.099 J	0.12 J	0.067 J	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thallium	ND(0.28)	ND(0.23)	ND(0.23)	ND(0.29)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	15	3.7	1.8	9.9	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	66	5.4	8.4	17	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs													
Aroclor-1016	ND(0.041)	ND(0.037)	ND(0.036)	0.039 R	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1221	ND(0.041)	ND(0.037)	ND(0.036)	0.039 R	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1232	ND(0.041)	ND(0.037)	ND(0.036)	0.039 R	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1242	ND(0.041)	ND(0.037)	ND(0.036)	0.039 R	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1248	ND(0.041)	ND(0.037)	ND(0.036)	0.039 R	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1254	ND(0.041)	ND(0.037)	ND(0.036)	0.039 R	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1260	ND(0.041)	ND(0.037)	ND(0.036)	0.039 R	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total PCBs	ND(0.041)	ND(0.037)	ND(0.036)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-12-21	RFI-12-21	RFI-12-22	RFI-12-22	RFI-12-22	RFI-16-01	RFI-16-01	RFI-16-01	RFI-16-02	RFI-16-02	RFI-16-02	RFI-16-03
Sample Depth(feet):	1-3	9-11	1.1-3.1	13.1-15.1	9.1-11.1	1-3	5-7	8-10	0.4-2	14-16	8-10	0.5-2
Date Collected:	11/28/01	11/28/01	01/30/02	01/30/02	01/30/02	05/31/01	05/31/01	05/31/01	05/14/01	05/15/01	05/14/01	05/15/01
Volatiles												
1,1,1-Trichloroethane	ND(0.039)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.043)	ND(0.038)
1,1,2,2-Tetrachloroethane	ND(0.079)	ND(0.090)	ND(0.073)	ND(0.089)	ND(0.088)	ND(0.072)	ND(0.072)	ND(0.080)	ND(0.074)	ND(0.083)	ND(0.085)	ND(0.077)
1,1,2-Trichloroethane	ND(0.039)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.043)	ND(0.038)
1,1-Dichloroethane	ND(0.039)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.043)	0.016 J
1,1-Dichloroethene	ND(0.039)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.043)	ND(0.038)
1,2,4-Trichlorobenzene	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.15) J	ND(0.15) J	ND(0.17) J	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	ND(0.072)	ND(0.072)	ND(0.080)	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.15) J	ND(0.15) J	ND(0.17) J	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)
1,2-Dibromoethane (EDB)	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.15)	ND(0.15)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)
1,2-Dichlorobenzene	ND(0.079)	ND(0.090)	ND(0.073)	ND(0.089)	ND(0.088)	ND(0.072)	ND(0.072)	ND(0.080)	ND(0.074)	ND(0.083)	ND(0.085)	ND(0.077)
1,2-Dichloroethane	ND(0.039)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	0.012 J	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.043)	ND(0.038)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.039)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.043)	ND(0.038)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	ND(0.072)	ND(0.072)	ND(0.080)	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.079)	ND(0.090)	ND(0.073)	ND(0.089)	ND(0.088)	ND(0.072)	ND(0.072)	ND(0.080)	ND(0.074)	ND(0.083)	ND(0.085)	ND(0.077)
1,4-Dichlorobenzene	ND(0.079)	ND(0.090)	ND(0.073)	ND(0.089)	ND(0.088)	ND(0.072)	ND(0.072)	ND(0.080)	ND(0.074)	ND(0.083)	ND(0.085)	ND(0.077)
2-Butanone	ND(0.28)	ND(0.32)	ND(0.26)	ND(0.32)	ND(0.31)	ND(0.26)	ND(0.26) J	ND(0.29)	ND(0.26)	ND(0.30)	ND(0.30)	ND(0.27)
2-Hexanone	ND(0.28)	ND(0.32)	ND(0.26)	ND(0.32)	ND(0.31)	ND(0.26)	ND(0.26)	ND(0.29)	ND(0.26)	ND(0.30)	ND(0.30)	ND(0.27)
4-Methyl-2-pentanone	ND(0.28)	ND(0.32)	ND(0.26)	ND(0.32)	ND(0.31)	ND(0.26)	ND(0.26)	ND(0.29)	ND(0.26)	ND(0.30)	ND(0.30)	ND(0.27)
Acetone	ND(0.28)	ND(0.32)	ND(0.26)	ND(0.32)	ND(0.31)	ND(0.26)	ND(0.26) J	ND(0.29)	ND(0.26)	ND(0.30)	ND(0.30)	ND(0.27)
Benzene	ND(0.039)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.043)	0.12
Benzene, isopropyl	0.055 J	ND(0.19)	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.15)	ND(0.15)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	0.036 J
Bromodichloromethane	ND(0.079)	ND(0.090)	ND(0.073)	ND(0.089)	ND(0.088)	ND(0.072)	ND(0.072)	ND(0.080)	ND(0.074)	ND(0.083)	ND(0.085)	ND(0.077)
Bromoform	ND(0.079)	ND(0.090)	ND(0.073)	ND(0.089)	ND(0.088)	ND(0.072)	ND(0.072)	ND(0.080)	ND(0.074)	ND(0.083)	ND(0.085)	ND(0.077)
Bromomethane	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.15)	ND(0.15)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)
Carbon disulfide	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.15)	ND(0.15)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)
Carbon tetrachloride	ND(0.039)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.043)	ND(0.038)
Chlorobenzene	ND(0.039)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.043)	ND(0.038)
Chloroethane	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.15)	ND(0.15)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)
Chloroform	ND(0.039)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.043)	ND(0.038)
Chloromethane	ND(0.17)	ND(0.19)	0.028 J	ND(0.19)	ND(0.19)	ND(0.15)	ND(0.15)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)
cis-1,2-Dichloroethene	ND(0.039)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.040)	ND(0.037)	ND(0.041) J	ND(0.043)	ND(0.038) J
cis-1,3-Dichloropropene	ND(0.039)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.043)	ND(0.038)
Cyclohexane	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.15)	ND(0.15)	ND(0.17)	ND(0.16) J	ND(0.18) J	ND(0.18) J	ND(0.16) J
Dibromochloromethane	ND(0.079)	ND(0.090)	ND(0.073)	ND(0.089)	ND(0.088)	ND(0.072)	ND(0.072)	ND(0.080)	ND(0.074)	ND(0.083)	ND(0.085)	ND(0.077)
Dichlorodifluoromethane (CFC-12)	0.94	ND(0.090)	ND(0.073)	ND(0.089)	ND(0.088)	ND(0.072)	ND(0.072)	ND(0.080)	ND(0.074)	ND(0.083)	ND(0.085)	ND(0.077)
Ethylbenzene	0.39	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.040)	0.012 J	ND(0.041)	ND(0.043)	0.049
m&p-Xylene	ND(0.079)	ND(0.090)	ND(0.073)	ND(0.089)	ND(0.088)	ND(0.072)	ND(0.072)	ND(0.080)	0.064 J	0.024 J	ND(0.085)	0.11

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-12-21	RFI-12-21	RFI-12-22	RFI-12-22	RFI-12-22	RFI-16-01	RFI-16-01	RFI-16-01	RFI-16-02	RFI-16-02	RFI-16-02	RFI-16-03
Sample Depth(feet):	1-3	9-11	1.1-3.1	13.1-15.1	9.1-11.1	1-3	5-7	8-10	0.4-2	14-16	8-10	0.5-2
Date Collected:	11/28/01	11/28/01	01/30/02	01/30/02	01/30/02	05/31/01	05/31/01	05/31/01	05/14/01	05/15/01	05/14/01	05/15/01
Methyl acetate	0.052 J	0.043 J	0.16 J	ND(0.19)	0.039 J	ND(0.15) J	ND(0.15)	0.071 J	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)
Methyl Tert Butyl Ether	ND(0.28)	ND(0.32)	ND(0.26)	ND(0.32)	ND(0.31)	ND(0.26)	ND(0.26)	ND(0.29)	ND(0.26)	ND(0.30)	ND(0.30)	ND(0.27)
Methylcyclohexane	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.15)	ND(0.15)	ND(0.17)	0.088 J	ND(0.18)	ND(0.18)	0.22
Methylene chloride	ND(0.17)	ND(0.19)	ND(0.16)	0.033 J	ND(0.19)	ND(0.15)	0.017 J	ND(0.17)	0.089 J	ND(0.18)	0.097 J	ND(0.16)
o-Xylene	ND(0.039)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.040)	0.039	ND(0.041)	ND(0.043)	0.07
Styrene	0.67	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.043)	ND(0.038)
Tetrachloroethene	ND(0.039)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.036) J	ND(0.040)	ND(0.037)	0.041 J	ND(0.043)	0.021 J
Toluene	ND(0.039)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.040)	0.023 J	ND(0.041)	ND(0.043)	ND(0.038)
trans-1,2-Dichloroethene	ND(0.039)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.043)	ND(0.038)
trans-1,3-Dichloropropene	ND(0.039)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.043)	ND(0.038)
Trichloroethene	ND(0.039)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.043)	ND(0.038)
Trichlorofluoromethane (CFC-11)	ND(0.079)	ND(0.090)	ND(0.073)	ND(0.089)	ND(0.088)	ND(0.072)	ND(0.072)	ND(0.080)	ND(0.074)	ND(0.083)	ND(0.085)	ND(0.077)
Trifluorotrichloroethane (Freon 113)	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.19)	ND(0.19)	ND(0.15)	ND(0.15)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)
Vinyl chloride	ND(0.039)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.036)	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.043)	ND(0.038)
Xylenes (total)	ND(0.079)	ND(0.090)	ND(0.073)	ND(0.089)	ND(0.088)	ND(0.072)	ND(0.072)	ND(0.080)	0.1	0.024	ND(0.085)	0.18
Semivolatiles												
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)
2,4,6-Trichlorophenol	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)
2,4-Dichlorophenol	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)
2,4-Dimethylphenol	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)
2,4-Dinitrophenol	ND(0.76)	ND(0.86)	ND(0.71)	ND(0.85)	ND(0.84)	ND(0.69)	ND(0.70)	ND(0.76)	ND(0.71)	ND(0.78)	ND(0.80)	ND(0.75)
2,4-Dinitrotoluene	ND(0.76)	ND(0.86)	ND(0.71)	ND(0.85)	ND(0.84)	ND(0.69)	ND(0.70)	ND(0.76)	ND(0.71)	ND(0.78) J	ND(0.80)	ND(0.75)
2,6-Dinitrotoluene	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19)
2-Chloronaphthalene	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19)
2-Chlorophenol	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)
2-Methyl naphthalene	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19)
2-Methylphenol	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)
2-Nitroaniline	ND(0.76)	ND(0.86)	ND(0.71)	ND(0.85)	ND(0.84)	ND(0.69)	ND(0.70)	ND(0.76)	ND(0.71)	ND(0.78) J	ND(0.80)	ND(0.75)
2-Nitrophenol	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)
3&4-Methylphenol	ND(0.39)	ND(0.44)	ND(0.36)	ND(0.43)	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.40)	ND(0.41)	ND(0.38)
3,3-Dichlorobenzidine	ND(0.76)	ND(0.86)	ND(0.71)	ND(0.85)	ND(0.84)	ND(0.69)	ND(0.70)	ND(0.76)	ND(0.71)	ND(0.78) J	ND(0.80)	0.75 R
3-Nitroaniline	ND(0.76)	ND(0.86)	ND(0.71)	ND(0.85)	ND(0.84)	ND(0.69)	ND(0.70)	ND(0.76)	ND(0.71)	ND(0.78) J	ND(0.80)	ND(0.75)
4,6-Dinitro-2-methylphenol	ND(0.76)	ND(0.86)	ND(0.71)	ND(0.85)	ND(0.84)	ND(0.69)	ND(0.70)	ND(0.76)	ND(0.71)	ND(0.78)	ND(0.80)	ND(0.75) J
4-Bromophenyl phenyl ether	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19) J
4-Chloro-3-methylphenol	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-12-21	RFI-12-21	RFI-12-22	RFI-12-22	RFI-12-22	RFI-16-01	RFI-16-01	RFI-16-01	RFI-16-02	RFI-16-02	RFI-16-02	RFI-16-03
Sample Depth(feet):	1-3	9-11	1.1-3.1	13.1-15.1	9.1-11.1	1-3	5-7	8-10	0.4-2	14-16	8-10	0.5-2
Date Collected:	11/28/01	11/28/01	01/30/02	01/30/02	01/30/02	05/31/01	05/31/01	05/31/01	05/14/01	05/15/01	05/14/01	05/15/01
4-Chloroaniline	ND(0.76)	ND(0.86)	ND(0.71)	ND(0.85)	ND(0.84)	ND(0.69)	ND(0.70)	ND(0.76)	ND(0.71)	ND(0.78) J	ND(0.80)	ND(0.75)
4-Chlorophenyl phenyl ether	ND(0.76)	ND(0.86)	ND(0.71)	ND(0.85)	ND(0.84)	ND(0.69)	ND(0.70)	ND(0.76)	ND(0.71)	ND(0.78) J	ND(0.80)	ND(0.75)
4-Nitroaniline	ND(0.76)	ND(0.86)	ND(0.71)	ND(0.85)	ND(0.84)	ND(0.69)	ND(0.70)	ND(0.76)	ND(0.71)	ND(0.78) J	ND(0.80)	ND(0.75)
4-Nitrophenol	ND(0.76)	ND(0.86)	ND(0.71)	ND(0.85)	ND(0.84)	ND(0.69)	ND(0.70)	ND(0.76)	ND(0.71)	ND(0.78)	ND(0.80)	ND(0.75) J
Acenaphthene	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19)
Acenaphthylene	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19)
Acetophenone	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19)
Anthracene	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19) J
Atrazine	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19) J
Benzaldehyde	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18) J	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19)
Benzo(a)anthracene	ND(0.19)	ND(0.22)	0.053 J	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	0.19 R
Benzo(a)pyrene	ND(0.19)	ND(0.22)	0.035 J	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	0.19 R
Benzo(b)fluoranthene	ND(0.19)	ND(0.22)	0.040 J	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	0.19 R
Benzo(g,h,i)perylene	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	0.19 R
Benzo(k)fluoranthene	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	0.19 R
Biphenyl	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19)
bis(2-Chloroethoxy)methane	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19)
bis(2-Chloroethyl)ether	ND(0.038)	ND(0.042)	ND(0.035)	ND(0.042)	ND(0.041)	ND(0.034) J	ND(0.035) J	ND(0.037) J	ND(0.035)	ND(0.039) J	ND(0.040)	ND(0.037)
bis(2-Chloroisopropyl)ether	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18) J	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19)
bis(2-Ethylhexyl)phthalate	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	0.42	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	0.19 R
Butyl benzylphthalate	ND(0.19)	ND(0.22)	0.093 J	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	0.19 R
Caprolactam	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17) J	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19)
Carbazole	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19) J
Chrysene	ND(0.19)	ND(0.22)	0.058 J	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	0.065 J
Di-n-butylphthalate	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19) J
Di-n-octyl phthalate	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	0.19 R
Dibenzo(a,h)anthracene	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	0.19 R
Dibenzofuran	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19)
Diethyl phthalate	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19)
Dimethyl phthalate	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19)
Fluoranthene	ND(0.19)	ND(0.22)	0.17 J	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	0.040 J	ND(0.20) J	ND(0.20)	ND(0.19) J
Fluorene	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19)
Hexachlorobenzene	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19) J
Hexachlorobutadiene	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19)
Hexachlorocyclopentadiene	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19)
Hexachloroethane	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19)
Indeno(1,2,3-cd)pyrene	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	0.19 R
Isophorone	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19)
Methylphenols, Total	ND(0.39)	ND(0.44)	ND(0.36)	ND(0.43)	ND(0.43)	ND(0.35)	ND(0.36)	ND(0.38)	ND(0.36)	ND(0.40)	ND(0.41)	ND(0.38)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-12-21	RFI-12-21	RFI-12-22	RFI-12-22	RFI-12-22	RFI-16-01	RFI-16-01	RFI-16-01	RFI-16-02	RFI-16-02	RFI-16-02	RFI-16-03
Sample Depth(feet):	1-3	9-11	1.1-3.1	13.1-15.1	9.1-11.1	1-3	5-7	8-10	0.4-2	14-16	8-10	0.5-2
Date Collected:	11/28/01	11/28/01	01/30/02	01/30/02	01/30/02	05/31/01	05/31/01	05/31/01	05/14/01	05/15/01	05/14/01	05/15/01
N-Nitrosodi-n-propylamine	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19)
N-Nitrosodiphenylamine	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19) J
Naphthalene	ND(0.19)	ND(0.22)	0.071 J	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	ND(0.19)
Nitrobenzene	ND(0.076)	ND(0.086)	ND(0.071)	ND(0.085)	ND(0.084)	ND(0.069)	ND(0.070)	ND(0.076)	ND(0.071)	ND(0.078) J	ND(0.080)	ND(0.075)
Pentachlorophenol	ND(0.76)	ND(0.86)	ND(0.71)	ND(0.85)	ND(0.84)	ND(0.69)	ND(0.70)	ND(0.76)	ND(0.71)	ND(0.78)	ND(0.80)	ND(0.75) J
Phenanthrene	ND(0.19)	ND(0.22)	0.17 J	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	0.040 J	ND(0.20) J	ND(0.20)	0.14 J
Phenol	ND(0.19)	ND(0.22)	ND(0.18)	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)
Pyrene	ND(0.19)	ND(0.22)	0.14 J	ND(0.22)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20) J	ND(0.20)	0.18 J
Inorganics												
Antimony	ND(0.19)	ND(0.29)	0.087 J	0.24	0.15 J	0.39 R	0.38 R	0.35 R	0.47 R	ND(0.44)	0.18 J	ND(0.43)
Arsenic	3.2	4.4	4.8	4.1	7.3	2.6	2.2	17(RDC)	1.5	5.6	6.6	8.4(RDC)
Barium	20	90	53	86	77	9.1	6.7	92	13 J	33 J	120 J	74 J
Beryllium	0.13	0.76	1.9	6.9	3.6	0.088 J	0.16 J	0.6	0.16 J	0.27	1.1	0.97
Cadmium	0.078	0.11	0.48	0.39	0.29	0.083	0.14	0.57	0.081	0.18 J	0.11	0.39 J
Chromium	14	25	17	21	18	5.5	3.1	14	11 J	9.1 J	31 J	16 J
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	2.6	13	4.7	6.5	6.1	1.9	1.6	13	1.3 J	4.8	11 J	5.8
Copper	16	18	14	9.6	12	5.2	3.8	16	7.9 J	7.4	18 J	33
Cyanide (total)	ND(0.20)	ND(0.20)	0.053 J	ND(0.30)	ND(0.30)	0.014 J	ND(0.20)	0.10 J	0.013 J	ND(0.20)	ND(0.20)	ND(0.20)
Lead	34	12	72	7.3	25	4.1	3.3	11	8.6	8.2 J	13	65 J
Manganese	160	420	270	1100	320	120	100	540	120	230 J	290	370 J
Mercury	0.025 J	0.024 J	ND(0.070)	ND(0.089)	ND(0.086)	ND(0.071)	ND(0.073)	0.033 J	ND(0.074)	0.020 J	0.029 J	0.040 J
Nickel	9.3	34	11	18	17	4.9	3.8	22	6.2 J	18	35 J	18
Selenium	ND(0.074)	0.13	0.28 J	0.20 J	0.17	0.50 J	ND(1.5)	0.49 J	ND(1.9)	ND(1.7)	ND(2.0)	0.86 J
Silver	0.057 J	0.12 J	0.14 J	0.26	0.19	0.039 J	0.087 J	0.72 J	0.11 J	0.043 J	0.14 J	0.076 J
Thallium	0.052 J	0.22 J	0.16 J	0.29	0.24	ND(0.25)	0.11 J	0.18 J	0.51 J	ND(0.28)	0.30 J	0.36 J
Vanadium	12	31	19	33	27	4.4	3.7	22	6.0 J	12 J	45 J	30 J
Zinc	28	52	81	29	43	17 J	13 J	42 J	19 J	19 J	65 J	83 J
PCBs												
Aroclor-1016	ND(0.040)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.041)	ND(0.042)	ND(0.039)
Aroclor-1221	ND(0.040)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.041)	ND(0.042)	ND(0.039)
Aroclor-1232	ND(0.040)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.041)	ND(0.042)	ND(0.039)
Aroclor-1242	ND(0.040)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.041)	ND(0.042)	ND(0.039)
Aroclor-1248	ND(0.040)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.041)	ND(0.042)	ND(0.039)
Aroclor-1254	ND(0.040)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.041)	ND(0.042)	ND(0.039)
Aroclor-1260	ND(0.040)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.041)	ND(0.042)	ND(0.039)
Total PCBs	ND(0.040)	ND(0.045)	ND(0.037)	ND(0.044)	ND(0.044)	ND(0.036)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.041)	ND(0.042)	ND(0.039)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-16-03	RFI-16-04	RFI-16-04	RFI-16-05	RFI-16-05	RFI-16-06	RFI-16-06	RFI-16-07	RFI-16-07
Sample Depth(feet):	4-6	0.7-2	4-6	0.5-2	2-4	0.7-2	4-6	0.5-2.5	4.5-6.5
Date Collected:	05/15/01	05/15/01	05/15/01	05/15/01	05/15/01	05/14/01	05/14/01	06/06/01	06/06/01
Volatiles									
1,1,1-Trichloroethane	ND(0.043) [ND(0.042)]	ND(0.036)	ND(0.038)	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.038) [ND(0.039)]
1,1,2,2-Tetrachloroethane	ND(0.086) [ND(0.084)]	ND(0.073)	ND(0.075)	ND(0.082)	ND(0.086)	ND(0.074)	ND(0.078) [ND(0.078)]	ND(0.075)	ND(0.077) [ND(0.078)]
1,1,2-Trichloroethane	ND(0.043) [ND(0.042)]	ND(0.036)	ND(0.038)	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.038) [ND(0.039)]
1,1-Dichloroethane	ND(0.043) [ND(0.042)]	ND(0.036)	ND(0.038)	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.038) [ND(0.039)]
1,1-Dichloroethene	ND(0.043) [ND(0.042)]	ND(0.036)	ND(0.038)	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.038) [ND(0.039)]
1,2,4-Trichlorobenzene	ND(0.18) [ND(0.18) J]	ND(0.16) J	ND(0.16) J	ND(0.18)	ND(0.18) J	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) J [ND(0.17)]
1,2,4-Trimethylbenzene	NS	ND(0.073)	ND(0.075)	NS	NS	ND(0.074)	[ND(0.078)]	ND(0.075)	ND(0.077) [ND(0.078)]
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.18) J	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) J [ND(0.17)]
1,2-Dibromoethane (EDB)	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) [ND(0.17)]
1,2-Dichlorobenzene	ND(0.086) [ND(0.084)]	ND(0.073)	ND(0.075)	ND(0.082)	ND(0.086)	ND(0.074)	ND(0.078) [ND(0.078)]	ND(0.075)	ND(0.077) [ND(0.078)]
1,2-Dichloroethane	ND(0.043) [ND(0.042)]	ND(0.036)	ND(0.038)	ND(0.041)	ND(0.043)	ND(0.037)	0.0094 J [ND(0.039)]	ND(0.037)	ND(0.038) [ND(0.039)]
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.043) [ND(0.042)]	ND(0.036)	ND(0.038)	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.038) [ND(0.039)]
1,3,5-Trimethylbenzene	NS	ND(0.073)	ND(0.075)	NS	NS	ND(0.074)	[ND(0.078)]	ND(0.075)	ND(0.077) [ND(0.078)]
1,3-Dichlorobenzene	ND(0.086) [ND(0.084)]	ND(0.073)	ND(0.075)	ND(0.082)	ND(0.086)	ND(0.074)	ND(0.078) [ND(0.078)]	ND(0.075)	ND(0.077) [ND(0.078)]
1,4-Dichlorobenzene	ND(0.086) [ND(0.084)]	ND(0.073)	ND(0.075)	ND(0.082)	ND(0.086)	ND(0.074)	ND(0.078) [ND(0.078)]	ND(0.075)	ND(0.077) [ND(0.078)]
2-Butanone	ND(0.31) [ND(0.30)]	ND(0.26)	ND(0.27)	ND(0.29)	ND(0.31)	ND(0.26)	ND(0.28) [ND(0.28)]	ND(0.27)	ND(0.27) J [ND(0.28)]
2-Hexanone	ND(0.31) [ND(0.30)]	ND(0.26)	ND(0.27)	ND(0.29)	ND(0.31)	ND(0.26)	ND(0.28) [ND(0.28)]	ND(0.27)	ND(0.27) [ND(0.28)]
4-Methyl-2-pentanone	ND(0.31) [ND(0.30)]	ND(0.26)	ND(0.27)	ND(0.29)	ND(0.31)	ND(0.26)	ND(0.28) [ND(0.28)]	ND(0.27)	ND(0.27) [ND(0.28)]
Acetone	ND(0.31) [ND(0.30)]	ND(0.26)	ND(0.27)	ND(0.29)	ND(0.31)	ND(0.26)	ND(0.28) [ND(0.28)]	ND(0.27)	ND(0.27) J [ND(0.28)]
Benzene	0.015 J [0.0078 J]	ND(0.036)	0.023 J	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.038) [ND(0.039)]
Benzene, isopropyl	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) [ND(0.17)]
Bromodichloromethane	ND(0.086) [ND(0.084)]	ND(0.073)	ND(0.075)	ND(0.082)	ND(0.086)	ND(0.074)	ND(0.078) [ND(0.078)]	ND(0.075)	ND(0.077) [ND(0.078)]
Bromoform	ND(0.086) [ND(0.084)]	ND(0.073)	ND(0.075)	ND(0.082)	ND(0.086)	ND(0.074)	ND(0.078) [ND(0.078)]	ND(0.075)	ND(0.077) [ND(0.078)]
Bromomethane	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) [ND(0.17)]
Carbon disulfide	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) [ND(0.17)]
Carbon tetrachloride	ND(0.043) [ND(0.042)]	ND(0.036)	ND(0.038)	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.038) [ND(0.039)]
Chlorobenzene	ND(0.043) [ND(0.042)]	ND(0.036)	ND(0.038)	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.038) [ND(0.039)]
Chloroethane	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) [ND(0.17)]
Chloroform	ND(0.043) [ND(0.042)]	ND(0.036)	ND(0.038)	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.038) [ND(0.039)]
Chloromethane	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) [ND(0.17)]
cis-1,2-Dichloroethene	ND(0.043) J [ND(0.042) J]	ND(0.036) J	ND(0.038) J	ND(0.041) J	ND(0.043) J	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.038) [ND(0.039)]
cis-1,3-Dichloropropene	ND(0.043) [ND(0.042)]	ND(0.036)	ND(0.038)	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.038) [ND(0.039)]
Cyclohexane	ND(0.18) J [ND(0.18) J]	ND(0.16) J	ND(0.16) J	ND(0.18) J	ND(0.18) J	ND(0.16) J	ND(0.17) J [ND(0.17) J]	ND(0.16)	ND(0.16) [ND(0.17)]
Dibromochloromethane	ND(0.086) [ND(0.084)]	ND(0.073)	ND(0.075)	ND(0.082)	ND(0.086)	ND(0.074)	ND(0.078) [ND(0.078)]	ND(0.075)	ND(0.077) [ND(0.078)]
Dichlorodifluoromethane (CFC-12)	ND(0.086) [ND(0.084)]	ND(0.073)	ND(0.075)	ND(0.082)	ND(0.086)	ND(0.074)	ND(0.078) [ND(0.078)]	ND(0.075)	ND(0.077) [ND(0.078)]
Ethylbenzene	ND(0.043) [ND(0.042)]	ND(0.036)	ND(0.038)	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.038) [ND(0.039)]
m&p-Xylene	ND(0.086) [ND(0.084)]	ND(0.073)	ND(0.075)	ND(0.082)	ND(0.086)	0.047 J	ND(0.078) [ND(0.078)]	ND(0.075)	ND(0.077) [ND(0.078)]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-16-03	RFI-16-04	RFI-16-04	RFI-16-05	RFI-16-05	RFI-16-06	RFI-16-06	RFI-16-07	RFI-16-07
Sample Depth(feet):	4-6	0.7-2	4-6	0.5-2	2-4	0.7-2	4-6	0.5-2.5	4.5-6.5
Date Collected:	05/15/01	05/15/01	05/15/01	05/15/01	05/15/01	05/14/01	05/14/01	06/06/01	06/06/01
Methyl acetate	ND(0.18) [ND(0.18)]	0.090 J	0.39	0.031 J	0.022 J	0.070 J	ND(0.17) [0.014 J]	ND(0.16)	ND(0.16) J [ND(0.17)]
Methyl Tert Butyl Ether	ND(0.31) [ND(0.30)]	ND(0.26)	ND(0.27)	ND(0.29)	ND(0.31)	ND(0.26)	ND(0.28) [ND(0.28)]	ND(0.27)	ND(0.27) [ND(0.28)]
Methylcyclohexane	0.0080 J [ND(0.18)]	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) [ND(0.17)]
Methylene chloride	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.18)	0.017 J	ND(0.17) [ND(0.17)]	0.045 J	0.12 J [0.050 J]
o-Xylene	ND(0.043) [ND(0.042)]	ND(0.036)	0.013 J	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.038) [ND(0.039)]
Styrene	ND(0.043) [ND(0.042)]	ND(0.036)	ND(0.038)	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.038) [ND(0.039)]
Tetrachloroethene	0.012 J [ND(0.042)]	ND(0.036)	ND(0.038)	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.038) [ND(0.039)]
Toluene	ND(0.043) [ND(0.042)]	ND(0.036)	ND(0.039)	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.038) [ND(0.039)]
trans-1,2-Dichloroethene	ND(0.043) [ND(0.042)]	ND(0.036)	ND(0.038)	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.038) [ND(0.039)]
trans-1,3-Dichloropropene	ND(0.043) [ND(0.042)]	ND(0.036)	ND(0.038)	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.038) [ND(0.039)]
Trichloroethene	ND(0.043) [ND(0.042)]	ND(0.036)	0.04	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.038) [ND(0.039)]
Trichlorofluoromethane (CFC-11)	ND(0.086) [ND(0.084)]	ND(0.073)	ND(0.075)	ND(0.082)	ND(0.086)	ND(0.074)	ND(0.078) [ND(0.078)]	ND(0.075)	ND(0.077) [ND(0.078)]
Trifluorotrichloroethane (Freon 113)	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16) [ND(0.17)]
Vinyl chloride	ND(0.043) [ND(0.042)]	ND(0.036)	ND(0.038)	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.037)	ND(0.038) [ND(0.039)]
Xylenes (total)	ND(0.086) [ND(0.084)]	ND(0.073)	0.013	ND(0.082)	ND(0.086)	0.047	ND(0.078) [ND(0.078)]	ND(0.075)	ND(0.077) [ND(0.078)]
Semivolatiles									
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
2,4,6-Trichlorophenol	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
2,4-Dichlorophenol	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
2,4-Dimethylphenol	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
2,4-Dinitrophenol	ND(0.83) [ND(0.79)]	ND(0.70)	ND(0.73)	ND(0.79)	ND(0.82)	ND(0.71)	ND(0.75) [ND(0.75)]	ND(0.70)	ND(0.74) [ND(0.74)]
2,4-Dinitrotoluene	ND(0.83) [ND(0.79)]	ND(0.70)	ND(0.73)	ND(0.79)	ND(0.82)	ND(0.71)	ND(0.75) [ND(0.75)]	ND(0.70)	ND(0.74) [ND(0.74)]
2,6-Dinitrotoluene	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
2-Chloronaphthalene	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
2-Chlorophenol	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
2-Methyl naphthalene	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
2-Methylphenol	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
2-Nitroaniline	ND(0.83) [ND(0.79)]	ND(0.70)	ND(0.73)	ND(0.79)	ND(0.82)	ND(0.71)	ND(0.75) [ND(0.75)]	ND(0.70)	ND(0.74) [ND(0.74)]
2-Nitrophenol	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
3&4-Methylphenol	ND(0.42) [ND(0.40)]	ND(0.36)	ND(0.37)	ND(0.40)	ND(0.42)	ND(0.36)	ND(0.38) [ND(0.38)]	ND(0.35)	ND(0.38) [ND(0.38)]
3,3-Dichlorobenzidine	0.83 R [ND(0.79)]	ND(0.70)	ND(0.73)	ND(0.79)	ND(0.82)	ND(0.71)	ND(0.75) [ND(0.75)]	ND(0.70)	ND(0.74) [ND(0.74)]
3-Nitroaniline	ND(0.83) [ND(0.79)]	ND(0.70)	ND(0.73)	ND(0.79)	ND(0.82)	ND(0.71)	ND(0.75) [ND(0.75)]	ND(0.70)	ND(0.74) [ND(0.74)]
4,6-Dinitro-2-methylphenol	ND(0.83) [ND(0.79)]	ND(0.70)	ND(0.73)	ND(0.79)	ND(0.82)	ND(0.71)	ND(0.75) [ND(0.75)]	ND(0.70)	ND(0.74) [ND(0.74)]
4-Bromophenyl phenyl ether	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
4-Chloro-3-methylphenol	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-16-03	RFI-16-04	RFI-16-04	RFI-16-05	RFI-16-05	RFI-16-06	RFI-16-06	RFI-16-07	RFI-16-07
Sample Depth(feet):	4-6	0.7-2	4-6	0.5-2	2-4	0.7-2	4-6	0.5-2.5	4.5-6.5
Date Collected:	05/15/01	05/15/01	05/15/01	05/15/01	05/15/01	05/14/01	05/14/01	06/06/01	06/06/01
4-Chloroaniline	ND(0.83) [ND(0.79)]	ND(0.70)	ND(0.73)	ND(0.79)	ND(0.82)	ND(0.71)	ND(0.75) [ND(0.75)]	ND(0.70)	ND(0.74) [ND(0.74)]
4-Chlorophenyl phenyl ether	ND(0.83) [ND(0.79)]	ND(0.70)	ND(0.73)	ND(0.79)	ND(0.82)	ND(0.71)	ND(0.75) [ND(0.75)]	ND(0.70)	ND(0.74) [ND(0.74)]
4-Nitroaniline	ND(0.83) [ND(0.79)]	ND(0.70)	ND(0.73)	ND(0.79)	ND(0.82)	ND(0.71)	ND(0.75) [ND(0.75)]	ND(0.70)	ND(0.74) [ND(0.74)]
4-Nitrophenol	ND(0.83) J [ND(0.79)]	ND(0.70)	ND(0.73)	ND(0.79)	ND(0.82)	ND(0.71)	ND(0.75) [ND(0.75)]	ND(0.70)	ND(0.74) [ND(0.74)]
Acenaphthene	ND(0.21) [ND(0.20)]	0.050 J	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
Acenaphthylene	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
Acetophenone	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
Anthracene	ND(0.21) [ND(0.20)]	0.16 J	0.063 J	ND(0.20)	0.041 J	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
Atrazine	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
Benzaldehyde	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18) J	ND(0.19) [ND(0.19) J]
Benzo(a)anthracene	0.21 R [ND(0.20)]	0.65	0.28	ND(0.20)	0.066 J	ND(0.18)	ND(0.19) [ND(0.19)]	0.059 J	ND(0.19) [ND(0.19)]
Benzo(a)pyrene	0.21 R [ND(0.20)]	0.81	0.33 J	ND(0.20)	0.062 J	ND(0.18)	ND(0.19) [ND(0.19)]	0.059 J	ND(0.19) [ND(0.19)]
Benzo(b)fluoranthene	0.21 R [ND(0.20)]	0.76	0.32 J	ND(0.20)	0.055 J	ND(0.18)	ND(0.19) [ND(0.19)]	0.056 J	ND(0.19) [ND(0.19)]
Benzo(g,h,i)perylene	0.21 R [ND(0.20)]	0.91 J	0.29 J	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	0.083 J	ND(0.19) [ND(0.19)]
Benzo(k)fluoranthene	0.21 R [ND(0.20)]	0.58	0.31 J	ND(0.20)	0.058 J	ND(0.18)	ND(0.19) [ND(0.19)]	0.049 J	ND(0.19) [ND(0.19)]
Biphenyl	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
bis(2-Chloroethoxy)methane	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
bis(2-Chloroethyl)ether	ND(0.041) [ND(0.039)]	ND(0.035)	ND(0.036)	ND(0.039)	ND(0.040)	ND(0.035)	ND(0.037) [ND(0.037)]	ND(0.034) J	ND(0.037) [ND(0.037) J]
bis(2-Chloroisopropyl)ether	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18) J	ND(0.19) J [ND(0.19) J]
bis(2-Ethylhexyl)phthalate	0.21 R [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	0.16 J	ND(0.19) [ND(0.19)]
Butyl benzylphthalate	0.21 R [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	0.13 J	ND(0.19) [0.049 J]	0.16 J	ND(0.19) [0.070 J]
Caprolactam	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
Carbazole	ND(0.21) [ND(0.20)]	0.13 J	0.052 J	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
Chrysene	0.21 R [ND(0.20)]	0.77	0.32	ND(0.20)	0.066 J	ND(0.18)	ND(0.19) [ND(0.19)]	0.065 J	ND(0.19) [ND(0.19)]
Di-n-butylphthalate	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
Di-n-octyl phthalate	0.21 R [ND(0.20)]	ND(0.18)	ND(0.19) J	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18) J	ND(0.19) [ND(0.19)]
Dibenzo(a,h)anthracene	0.21 R [ND(0.20)]	0.36 J	ND(0.19) J	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18) J	ND(0.19) [ND(0.19)]
Dibenzofuran	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
Diethyl phthalate	0.021 J [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
Dimethyl phthalate	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
Fluoranthene	ND(0.21) [ND(0.20)]	1.1	0.56	0.053 J	0.18 J	0.053 J	ND(0.19) [ND(0.19)]	0.11 J	0.057 J [0.041 J]
Fluorene	ND(0.21) [ND(0.20)]	0.051 J	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
Hexachlorobenzene	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
Hexachlorobutadiene	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
Hexachlorocyclopentadiene	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
Hexachloroethane	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
Indeno(1,2,3-cd)pyrene	0.21 R [ND(0.20)]	0.74 J	0.24 J	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	0.060 J	ND(0.19) [ND(0.19)]
Isophorone	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
Methylphenols, Total	ND(0.42) [ND(0.40)]	ND(0.36)	ND(0.37)	ND(0.40)	ND(0.42)	ND(0.36)	ND(0.38) [ND(0.38)]	ND(0.35)	ND(0.38) [ND(0.38)]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-16-03	RFI-16-04	RFI-16-04	RFI-16-05	RFI-16-05	RFI-16-06	RFI-16-06	RFI-16-07	RFI-16-07
Sample Depth(feet):	4-6	0.7-2	4-6	0.5-2	2-4	0.7-2	4-6	0.5-2.5	4.5-6.5
Date Collected:	05/15/01	05/15/01	05/15/01	05/15/01	05/15/01	05/14/01	05/14/01	06/06/01	06/06/01
N-Nitrosodi-n-propylamine	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18) J	ND(0.19) [ND(0.19) J]
N-Nitrosodiphenylamine	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
Naphthalene	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18) J	ND(0.19) J [ND(0.19) J]
Nitrobenzene	ND(0.083) [ND(0.079)]	ND(0.070)	ND(0.073)	ND(0.079)	ND(0.082)	ND(0.071)	ND(0.075) [ND(0.075)]	ND(0.070)	ND(0.074) [ND(0.074)]
Pentachlorophenol	ND(0.83) [ND(0.79)]	ND(0.70)	ND(0.73)	ND(0.79)	ND(0.82)	ND(0.71)	ND(0.75) [ND(0.75)]	ND(0.70)	ND(0.74) [ND(0.74)]
Phenanthrene	ND(0.21) [ND(0.20)]	0.67	0.33	0.049 J	0.16 J	0.036 J	ND(0.19) [ND(0.19)]	0.071 J	0.070 J [0.060 J]
Phenol	ND(0.21) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.19) [ND(0.19)]
Pyrene	0.21 R [ND(0.20)]	1.5	0.71	0.050 J	0.15 J	0.046 J	ND(0.19) [ND(0.19)]	0.14 J	0.044 J [ND(0.19)]
Inorganics									
Antimony	ND(0.44) [ND(0.40)]	ND(0.38)	ND(0.31)	ND(0.39)	ND(0.38)	0.46 R	0.38 R [0.44 R]	0.34 R	0.37 R [0.39 R]
Arsenic	8.7(RDC) [3.8]	3.5	2.4	7.7(RDC)	6.1	4.1	6.6 [5.4]	3.1	2.5 [2.1]
Barium	76 J [43 J]	22 J	29 J	120 J	76 J	17 J	59 J [31 J]	19	8.8 [7.2]
Beryllium	0.51 [0.35]	0.17 J	0.21	0.83	0.74	0.16 J	0.49 [0.28]	0.12 J	0.097 J [0.086 J]
Cadmium	0.33 J [0.16 J]	0.29 J	0.24 J	1.3 J	0.22 J	0.16	0.12 [0.084]	0.23	0.036 [0.033 J]
Chromium	16 J [12 J]	7.7 J	6.0 J	21 J	15 J	23 J	18 J [11 J]	30	43 [38]
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	6.3 [3.9]	2.6	2	5	6.8	2.7 J	8.9 J [3.6 J]	2.7	2.3 [2.5]
Copper	17 [12]	10	14	110	36	15 J	13 J [8.2 J]	22	27 [27]
Cyanide (total)	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.028 J [ND(0.20)]	0.065 J	0.059 J [0.083 J]
Lead	16 J [14 J]	12 J	22 J	170 J	60 J	7.6	9.4 [7.1]	31	4.8 [3.8]
Manganese	780 J [350 J]	180 J	140 J	560 J	420 J	260	590 [390]	270 J	370 J [420 J]
Mercury	0.026 J	0.027 J	0.045 J	0.022 J	0.26	0.032 J	ND(0.075) [0.019 J]	ND(0.073)	ND(0.078) [ND(0.076)]
Nickel	19 [13]	8.1	8	21	17	14 J	22 J [12 J]	21	28 [43]
Selenium	0.75 J [ND(1.6)]	ND(1.5)	ND(1.2)	ND(1.6)	ND(1.5)	ND(1.9)	ND(1.5) [ND(1.8)]	ND(1.4)	ND(1.5) [ND(1.6)]
Silver	0.13 J [ND(0.18)]	ND(0.17)	ND(0.14)	0.10 J	0.074 J	0.056 J	0.057 J [ND(0.20)]	0.24	0.053 J [0.43]
Thallium	0.26 J [ND(0.25)]	ND(0.24)	ND(0.20)	0.11 J	0.079 J	0.70 J	0.41 J [0.17 J]	ND(0.22)	ND(0.24) [ND(0.25)]
Vanadium	26 J [18 J]	9.9 J	8.1 J	19 J	24 J	11 J	24 J [15 J]	6.8	4 [3.4]
Zinc	55 J [40 J]	30 J	54 J	150 J	56 J	32 J	38 J [25 J]	26	8.2 B [7.1]
PCBs									
Aroclor-1016	ND(0.043) [ND(0.041)]	ND(0.037)	ND(0.038)	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.036)	ND(0.039) [ND(0.039)]
Aroclor-1221	ND(0.043) [ND(0.041)]	ND(0.037)	ND(0.038)	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.036)	ND(0.039) [ND(0.039)]
Aroclor-1232	ND(0.043) [ND(0.041)]	ND(0.037)	ND(0.038)	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.036)	ND(0.039) [ND(0.039)]
Aroclor-1242	ND(0.043) [ND(0.041)]	ND(0.037)	ND(0.038)	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.036)	ND(0.039) [ND(0.039)]
Aroclor-1248	ND(0.043) [ND(0.041)]	ND(0.037)	ND(0.038)	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.036)	ND(0.039) [ND(0.039)]
Aroclor-1254	ND(0.043) [ND(0.041)]	0.097	0.88	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.036)	ND(0.039) [ND(0.039)]
Aroclor-1260	ND(0.043) [ND(0.041)]	ND(0.037)	0.25	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.036)	ND(0.039) [ND(0.039)]
Total PCBs	ND(0.043) [ND(0.041)]	0.097	1.1	ND(0.041)	ND(0.043)	ND(0.037)	ND(0.039) [ND(0.039)]	ND(0.036)	ND(0.039) [ND(0.039)]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-16-08	RFI-16-08	RFI-16-09	RFI-16-09	RFI-16-10	RFI-16-10	RFI-16-11	RFI-16-11	RFI-16-12	RFI-16-12	RFI-16-13
Sample Depth(feet):	1.5-3.5	7.5-9.5	0.7-2.7	4.7-6.6	1.2-3.2	3.2-5.2	1-3	5-7	0.9-2.9	8.9-10.9	1-3
Date Collected:	06/07/01	06/07/01	06/07/01	06/07/01	06/08/01	06/08/01	06/12/01	06/12/01	01/31/02	01/31/02	12/04/01
Volatiles											
1,1,1-Trichloroethane	ND(0.039)	ND(0.043)	ND(0.038)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.042)	ND(0.036)
1,1,2,2-Tetrachloroethane	ND(0.078)	ND(0.085)	ND(0.076)	ND(0.075) [ND(0.075)]	ND(0.074)	ND(0.074)	ND(0.076)	ND(0.074)	ND(0.080)	ND(0.084)	ND(0.073)
1,1,2-Trichloroethane	ND(0.039)	ND(0.043)	ND(0.038)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.042)	ND(0.036)
1,1-Dichloroethane	ND(0.039)	ND(0.043)	ND(0.038)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.042)	ND(0.036)
1,1-Dichloroethene	ND(0.039)	ND(0.043)	ND(0.038)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.042)	ND(0.036)
1,2,4-Trichlorobenzene	ND(0.17)	ND(0.18) J	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16) J	ND(0.17)	ND(0.18)	ND(0.16)
1,2,4-Trimethylbenzene	0.65	ND(0.085)	ND(0.076)	ND(0.075) [ND(0.075)]	ND(0.074)	ND(0.074)	ND(0.076)	ND(0.074)	NS	NS	0.095
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	ND(0.18) J	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.16)
1,2-Dibromoethane (EDB)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.16)
1,2-Dichlorobenzene	ND(0.078)	ND(0.085)	ND(0.076)	ND(0.075) [ND(0.075)]	ND(0.074)	ND(0.074)	ND(0.076)	ND(0.074)	ND(0.080)	ND(0.084)	ND(0.073)
1,2-Dichloroethane	ND(0.039)	ND(0.043)	ND(0.038)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.042)	ND(0.036)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.039)	ND(0.043)	ND(0.038)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.042)	ND(0.036)
1,3,5-Trimethylbenzene	0.47	ND(0.085)	ND(0.076)	ND(0.075) [ND(0.075)]	ND(0.074)	ND(0.074)	ND(0.076)	ND(0.074)	NS	NS	ND(0.052)
1,3-Dichlorobenzene	ND(0.078)	ND(0.085)	ND(0.076)	ND(0.075) [ND(0.075)]	ND(0.074)	ND(0.074)	ND(0.076)	ND(0.074)	ND(0.080)	ND(0.084)	ND(0.073)
1,4-Dichlorobenzene	ND(0.078)	ND(0.085)	ND(0.076)	ND(0.075) [ND(0.075)]	ND(0.074)	ND(0.074)	ND(0.076)	ND(0.074)	ND(0.080)	ND(0.084)	ND(0.073)
2-Butanone	ND(0.28) J	ND(0.30) J	ND(0.27) J	ND(0.27) [ND(0.27) J]	ND(0.26)	ND(0.26)	ND(0.27)	ND(0.27)	ND(0.29)	ND(0.30)	ND(0.26)
2-Hexanone	ND(0.28)	ND(0.30)	ND(0.27)	ND(0.27) [ND(0.27)]	ND(0.26)	ND(0.26)	ND(0.27)	ND(0.27)	ND(0.29)	ND(0.30)	ND(0.26)
4-Methyl-2-pentanone	ND(0.28)	ND(0.30)	ND(0.27)	ND(0.27) [ND(0.27)]	ND(0.26)	ND(0.26)	ND(0.27)	ND(0.27)	ND(0.29)	ND(0.30)	ND(0.26)
Acetone	ND(0.28)	ND(0.30)	ND(0.27)	ND(0.27) [ND(0.27)]	ND(0.26)	ND(0.26)	ND(0.27)	ND(0.27)	ND(0.29)	ND(0.30)	ND(0.26)
Benzene	0.86	ND(0.043)	ND(0.038)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.042)	ND(0.036)
Benzene, isopropyl	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	0.041 J	0.049 J	ND(0.16)
Bromodichloromethane	ND(0.078)	ND(0.085)	ND(0.076)	ND(0.075) [ND(0.075)]	ND(0.074)	ND(0.074)	ND(0.076)	ND(0.074)	ND(0.080)	ND(0.084)	ND(0.073)
Bromoform	ND(0.078)	ND(0.085)	ND(0.076)	ND(0.075) [ND(0.075)]	ND(0.074)	ND(0.074)	ND(0.076)	ND(0.074)	ND(0.080)	ND(0.084)	ND(0.073)
Bromomethane	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.16)
Carbon disulfide	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.16)
Carbon tetrachloride	ND(0.039)	ND(0.043)	ND(0.038)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.042)	ND(0.036)
Chlorobenzene	ND(0.039)	ND(0.043)	ND(0.038)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.042)	ND(0.036)
Chloroethane	ND(0.17) J	ND(0.18)	ND(0.16)	ND(0.16) [ND(0.16) J]	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.16)
Chloroform	ND(0.039)	ND(0.043)	ND(0.038) J	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.042)	ND(0.036)
Chloromethane	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.16)
cis-1,2-Dichloroethene	ND(0.039)	ND(0.043)	ND(0.038)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.040)	1.4	ND(0.036)
cis-1,3-Dichloropropene	ND(0.039)	ND(0.043)	ND(0.038)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.042)	ND(0.036)
Cyclohexane	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.16)
Dibromochloromethane	ND(0.078)	ND(0.085)	ND(0.076)	ND(0.075) [ND(0.075)]	ND(0.074)	ND(0.074)	ND(0.076)	ND(0.074)	ND(0.080)	ND(0.084)	ND(0.073)
Dichlorodifluoromethane (CFC-12)	ND(0.078)	ND(0.085)	ND(0.076)	ND(0.075) [ND(0.075)]	ND(0.074)	ND(0.074)	ND(0.076)	ND(0.074)	ND(0.080)	ND(0.084)	ND(0.073)
Ethylbenzene	0.7	ND(0.043)	ND(0.038)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.042)	ND(0.036)
m&p-Xylene	2.2	0.083 J	ND(0.076)	ND(0.075) [ND(0.075)]	ND(0.074)	ND(0.074)	ND(0.076)	0.028 J	ND(0.080)	ND(0.084)	0.063 J

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-16-08	RFI-16-08	RFI-16-09	RFI-16-09	RFI-16-10	RFI-16-10	RFI-16-11	RFI-16-11	RFI-16-12	RFI-16-12	RFI-16-13
Sample Depth(feet):	1.5-3.5	7.5-9.5	0.7-2.7	4.7-6.6	1.2-3.2	3.2-5.2	1-3	5-7	0.9-2.9	8.9-10.9	1-3
Date Collected:	06/07/01	06/07/01	06/07/01	06/07/01	06/08/01	06/08/01	06/12/01	06/12/01	01/31/02	01/31/02	12/04/01
Methyl acetate	ND(0.17) J	ND(0.18) J	ND(0.16) J	ND(0.16) [ND(0.16) J]	0.080 J	0.060 J	ND(0.16)	ND(0.16)	0.11 J	ND(0.18)	ND(0.16)
Methyl Tert Butyl Ether	ND(0.28)	ND(0.30)	ND(0.27)	ND(0.27) [ND(0.27)]	ND(0.26)	ND(0.26)	ND(0.27)	ND(0.27)	ND(0.29)	ND(0.30)	ND(0.26)
Methylcyclohexane	0.083 J	ND(0.18)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	0.055 J	0.11 J	0.045 J	ND(0.18)	0.083 J
Methylene chloride	0.038 J	0.17 J	0.045 J	0.034 J [0.031 J]	ND(0.16)	ND(0.16)	ND(0.16)	0.029 J	ND(0.17)	0.031 J	ND(0.16)
o-Xylene	0.86	0.035 J	ND(0.038)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.038)	0.028 J	ND(0.040)	ND(0.042)	ND(0.036)
Styrene	ND(0.039)	ND(0.043)	ND(0.038)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.042)	ND(0.036)
Tetrachloroethene	ND(0.039)	ND(0.043)	ND(0.038)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.042)	ND(0.036)
Toluene	1.2	0.044 J	ND(0.038)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.042)	0.032 J
trans-1,2-Dichloroethene	ND(0.039)	ND(0.043)	ND(0.038)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.042)	ND(0.036)
trans-1,3-Dichloropropene	ND(0.039)	ND(0.043)	ND(0.038)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.042)	ND(0.036)
Trichloroethene	ND(0.039)	ND(0.043)	ND(0.038)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	0.15	0.17	ND(0.036)
Trichlorofluoromethane (CFC-11)	ND(0.078)	ND(0.085)	ND(0.076)	ND(0.075) [ND(0.075)]	ND(0.074)	ND(0.074)	ND(0.076)	ND(0.074)	ND(0.080)	ND(0.084)	ND(0.073)
Trifluorotrichloroethane (Freon 113)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.16)
Vinyl chloride	ND(0.039)	ND(0.043)	ND(0.038)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.040)	0.16(RSVIA,ISVIA)	ND(0.036)
Xylenes (total)	3.1	0.12	ND(0.076)	ND(0.075) [ND(0.075)]	ND(0.074)	ND(0.074)	ND(0.076)	0.056	ND(0.080)	ND(0.084)	0.063
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
2,4,6-Trichlorophenol	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
2,4-Dichlorophenol	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
2,4-Dimethylphenol	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
2,4-Dinitrophenol	ND(0.76)	ND(0.80)	ND(0.72)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.71)	ND(7.1)	ND(0.72)	ND(0.78)	ND(0.79)	ND(0.70)
2,4-Dinitrotoluene	ND(0.76)	ND(0.80)	ND(0.72)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.71)	ND(7.1)	ND(0.72)	ND(0.78)	ND(0.79)	ND(0.70)
2,6-Dinitrotoluene	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
2-Chloronaphthalene	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
2-Chlorophenol	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
2-Methyl naphthalene	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	1.2
2-Methylphenol	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
2-Nitroaniline	ND(0.76)	ND(0.80)	ND(0.72)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.71)	ND(7.1)	ND(0.72)	ND(0.78)	ND(0.79)	ND(0.70)
2-Nitrophenol	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
3&4-Methylphenol	ND(0.39)	ND(0.41)	ND(0.36)	ND(0.37) [ND(0.36)]	ND(0.36)	ND(0.36)	ND(3.6)	ND(0.37)	ND(0.40)	ND(0.40)	ND(0.36)
3,3-Dichlorobenzidine	ND(0.76)	ND(0.80)	ND(0.72)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.71)	ND(7.1)	ND(0.72)	ND(0.78)	ND(0.79)	ND(0.70)
3-Nitroaniline	ND(0.76)	ND(0.80)	ND(0.72)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.71)	ND(7.1)	ND(0.72)	ND(0.78)	ND(0.79)	ND(0.70)
4,6-Dinitro-2-methylphenol	ND(0.76)	ND(0.80)	ND(0.72)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.71)	ND(7.1)	ND(0.72)	ND(0.78)	ND(0.79)	ND(0.70)
4-Bromophenyl phenyl ether	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
4-Chloro-3-methylphenol	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-16-08	RFI-16-08	RFI-16-09	RFI-16-09	RFI-16-10	RFI-16-10	RFI-16-11	RFI-16-11	RFI-16-12	RFI-16-12	RFI-16-13
Sample Depth(feet):	1.5-3.5	7.5-9.5	0.7-2.7	4.7-6.6	1.2-3.2	3.2-5.2	1-3	5-7	0.9-2.9	8.9-10.9	1-3
Date Collected:	06/07/01	06/07/01	06/07/01	06/07/01	06/08/01	06/08/01	06/12/01	06/12/01	01/31/02	01/31/02	12/04/01
4-Chloroaniline	ND(0.76)	ND(0.80)	ND(0.72)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.71)	ND(7.1)	ND(0.72)	ND(0.78)	ND(0.79)	ND(0.70)
4-Chlorophenyl phenyl ether	ND(0.76)	ND(0.80)	ND(0.72)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.71)	ND(7.1)	ND(0.72)	ND(0.78)	ND(0.79)	ND(0.70)
4-Nitroaniline	ND(0.76)	ND(0.80)	ND(0.72)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.71)	ND(7.1)	ND(0.72)	ND(0.78)	ND(0.79)	ND(0.70)
4-Nitrophenol	ND(0.76)	ND(0.80)	ND(0.72)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.71)	ND(7.1)	ND(0.72)	ND(0.78)	ND(0.79)	ND(0.70)
Acenaphthene	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	1.0 J	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
Acenaphthylene	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
Acetophenone	0.26	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
Anthracene	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	3.5	ND(0.18)	ND(0.20)	ND(0.20)	0.057 J
Atrazine	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
Benzaldehyde	ND(0.19)	ND(0.20) J	ND(0.18) J	ND(0.18) J [ND(0.18) J]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18) J	ND(0.20)	ND(0.20)	ND(0.18)
Benzo(a)anthracene	0.045 J	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	5.9	0.077 J	ND(0.20)	ND(0.20)	0.075 J
Benzo(a)pyrene	0.038 J	ND(0.20) J	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	5.2(RDC)	0.082 J	ND(0.20)	ND(0.20)	0.083 J
Benzo(b)fluoranthene	ND(0.19) J	ND(0.20) J	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	0.12 J	5.5	0.12 J	ND(0.20)	ND(0.20)	0.085 J
Benzo(g,h,i)perylene	0.048 J	ND(0.20) J	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	2.1	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
Benzo(k)fluoranthene	ND(0.19) J	ND(0.20) J	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	5.3	0.077 J	ND(0.20)	ND(0.20)	ND(0.18)
Biphenyl	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
bis(2-Chloroethoxy)methane	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
bis(2-Chloroethyl)ether	ND(0.037) J	ND(0.040) J	ND(0.035) J	ND(0.036) J [ND(0.035) J]	ND(0.035)	ND(0.035)	ND(0.35)	ND(0.036)	ND(0.038)	ND(0.039)	ND(0.035)
bis(2-Chloroisopropyl)ether	ND(0.19) J	ND(0.20) J	ND(0.18) J	ND(0.18) J [ND(0.18) J]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
bis(2-Ethylhexyl)phthalate	ND(0.42)	ND(0.20) J	ND(0.18) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	0.061 J
Butyl benzylphthalate	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
Caprolactam	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
Carbazole	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	1.7 J	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
Chrysene	0.050 J	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	6.4	0.12 J	ND(0.20)	ND(0.20)	0.10 J
Di-n-butylphthalate	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
Di-n-octyl phthalate	ND(0.19) J	ND(0.20) J	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
Dibenzo(a,h)anthracene	ND(0.19) J	ND(0.20) J	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	0.81 J	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
Dibenzofuran	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	0.68 J	ND(0.18)	ND(0.20)	ND(0.20)	0.11 J
Diethyl phthalate	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	0.17 J	ND(0.18)
Dimethyl phthalate	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
Fluoranthene	0.053 J	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	15	0.11 J	0.062 J	ND(0.20)	0.18 J
Fluorene	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	1.2 J	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
Hexachlorobenzene	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
Hexachlorobutadiene	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
Hexachlorocyclopentadiene	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
Hexachloroethane	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
Indeno(1,2,3-cd)pyrene	ND(0.19) J	ND(0.20) J	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	2.2	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
Isophorone	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
Methylphenols, Total	ND(0.39)	ND(0.41)	ND(0.36)	ND(0.37) [ND(0.36)]	ND(0.36)	ND(0.36)	ND(3.6)	ND(0.37)	ND(0.40)	ND(0.40)	ND(0.36)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-16-08	RFI-16-08	RFI-16-09	RFI-16-09	RFI-16-10	RFI-16-10	RFI-16-11	RFI-16-11	RFI-16-12	RFI-16-12	RFI-16-13
Sample Depth(feet):	1.5-3.5	7.5-9.5	0.7-2.7	4.7-6.6	1.2-3.2	3.2-5.2	1-3	5-7	0.9-2.9	8.9-10.9	1-3
Date Collected:	06/07/01	06/07/01	06/07/01	06/07/01	06/08/01	06/08/01	06/12/01	06/12/01	01/31/02	01/31/02	12/04/01
N-Nitrosodi-n-propylamine	ND(0.19)	ND(0.20) J	ND(0.18) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
N-Nitrosodiphenylamine	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
Naphthalene	0.12 J	ND(0.20)	ND(0.18) J	ND(0.18) J [ND(0.18) J]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	0.37
Nitrobenzene	ND(0.076)	0.022 J	ND(0.072)	ND(0.072) [ND(0.072)]	ND(0.072)	ND(0.071)	ND(0.71)	ND(0.072)	ND(0.078)	ND(0.079)	ND(0.070)
Pentachlorophenol	ND(0.76)	ND(0.80)	ND(0.72)	ND(0.72) [ND(0.72)]	ND(0.72)	ND(0.71)	ND(7.1)	ND(0.72)	ND(0.78)	ND(0.79)	ND(0.70)
Phenanthrene	0.15 J	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	11	0.14 J	0.098 J	ND(0.20)	0.41
Phenol	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(1.8)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.18)
Pyrene	0.080 J	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	13	0.13 J	0.095 J	ND(0.20)	0.18
Inorganics											
Antimony	0.34 R	0.34 R	0.39 R	0.34 R [0.33 R]	ND(0.47) J	ND(0.43) J	ND(0.37) J	ND(0.40) J	0.10 J	0.16 J	ND(0.17)
Arsenic	8.2(RDC)	10(RDC)	3.4	4.1 [3.3]	4.9	4.1	4.6	2.1	4.1	14(RDC)	1.2
Barium	48	63	8.3	7.9 [7.1]	31 J	17 J	36 J	27 J	110	47	15
Beryllium	1.1	0.71	0.11 J	0.12 J [0.15]	0.33	0.19 J	0.21	0.18 J	3.2	2.9	0.089
Cadmium	0.17	0.23	0.15	0.16 [0.19]	0.1	0.13	0.75	0.13	0.43	0.22	0.09
Chromium	8	21	4.8	4.8 [4.8]	10	10	71	14	14	12	6.8
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	5.1	13	2.4	2.8 [2.6]	4.1	3.1	3.6	1.5	5.9	5.1	1.3
Copper	24	23	7.6	8.3 [7.9]	8.1	8.8	70	20	84	9.2	15
Cyanide (total)	0.019 J	0.0077 J	ND(0.20)	ND(0.20) [ND(0.20)]	0.041 J	0.020 J	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
Lead	25	17	4.8	5.4 [5.0]	5.4	6.9	46	85	250	7.1	55
Manganese	500 J	770 J	220 J	420 J [240 J]	220 J	280 J	1,300 J	310 J	270	380	84
Mercury	0.027 J	0.037 J	ND(0.071)	ND(0.074) [ND(0.075)]	ND(0.073)	0.025 J	0.017 J	0.028 J	0.039 J	0.021 J	ND(0.073)
Nickel	17	32	7.2	8.7 [7.2]	11	13	79	15	21	14	9.3
Selenium	ND(1.3)	ND(1.4)	ND(1.5)	ND(1.4) [ND(1.3)]	ND(0.86)	ND(0.79)	0.53 J	ND(0.73)	0.30 J	0.31 J	0.32 J
Silver	2.3	0.14 J	1.5	0.16 [0.17]	0.11 J	0.096 J	0.073 J	ND(0.18)	0.49	0.2	0.019 J
Thallium	0.13 J	0.25	0.21 J	0.11 J [0.13 J]	0.18 J	0.12 J	ND(0.24)	ND(0.26)	0.29	0.21	0.027 J
Vanadium	15	27	5.8	5.9 [6.1]	18	11	16	7.7	22	19	5.8
Zinc	60	63	25	26 [26]	26	29	57	25	120	30	16 B
PCBs											
Aroclor-1016	ND(0.040)	ND(0.042)	ND(0.037)	ND(0.038) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037)
Aroclor-1221	ND(0.040)	ND(0.042)	ND(0.037)	ND(0.038) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037)
Aroclor-1232	ND(0.040)	ND(0.042)	ND(0.037)	ND(0.038) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037)
Aroclor-1242	ND(0.040)	ND(0.042)	ND(0.037)	ND(0.038) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037)
Aroclor-1248	ND(0.040)	ND(0.042)	ND(0.037)	ND(0.038) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037)
Aroclor-1254	ND(0.040)	ND(0.042)	ND(0.037)	ND(0.038) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	0.033 J	ND(0.041)	ND(0.037)
Aroclor-1260	ND(0.040)	ND(0.042)	ND(0.037)	ND(0.038) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037)
Total PCBs	ND(0.040)	ND(0.042)	ND(0.037)	ND(0.038) [ND(0.037)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	0.033	ND(0.041)	ND(0.037)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-16-13	RFI-16-20	RFI-16-20	RFI-17-01	RFI-17-01	RFI-17-02	RFI-17-02	RFI-21-01	RFI-21-01	RFI-21-02	RFI-21-02	RFI-21-03	RFI-21-03
Sample Depth(feet):	9-11	1-3	4-6	0.7-2	2-4	0.3-2	4-6	0.9-2.9	6.9-8.9	0.7-2.7	6.7-8.7	1-3	9-11
Date Collected:	12/04/01	12/04/01	12/04/01	05/16/01	05/16/01	05/14/01	05/14/01	06/25/01	06/25/01	06/25/01	06/25/01	06/21/01	06/21/01
Volatiles													
1,1,1-Trichloroethane	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)
1,1,2,2-Tetrachloroethane	ND(0.084)	ND(0.079)	ND(0.076)	ND(0.078)	ND(0.083)	ND(0.081)	ND(0.085)	ND(0.077)	ND(0.079)	ND(0.078)	ND(0.079)	ND(0.074)	ND(0.079)
1,1,2-Trichloroethane	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)
1,1-Dichloroethane	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)
1,1-Dichloroethene	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)
1,2,4-Trichlorobenzene	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.16) J	ND(0.17) J	ND(0.17)	ND(0.17)	ND(0.16) J	ND(0.17) J
1,2,4-Trimethylbenzene	ND(0.060)	ND(0.056)	ND(0.054)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.16) J	ND(0.17) J	ND(0.17)	ND(0.17)	ND(0.16) J	ND(0.17) J
1,2-Dibromoethane (EDB)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)
1,2-Dichlorobenzene	ND(0.084)	ND(0.079)	ND(0.076)	ND(0.078)	ND(0.083)	ND(0.081)	ND(0.085)	ND(0.077)	ND(0.079)	ND(0.078)	ND(0.079)	ND(0.074)	ND(0.079)
1,2-Dichloroethane	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.039)	0.011 J	0.0092 J	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)
1,3,5-Trimethylbenzene	ND(0.060)	ND(0.056)	ND(0.054)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.084)	ND(0.079)	ND(0.076)	ND(0.078)	ND(0.083)	ND(0.081)	ND(0.085)	ND(0.077)	ND(0.079)	ND(0.078)	ND(0.079)	ND(0.074)	ND(0.079)
1,4-Dichlorobenzene	ND(0.084)	ND(0.079)	ND(0.076)	ND(0.078)	ND(0.083)	ND(0.081)	ND(0.085)	ND(0.077)	ND(0.079)	ND(0.078)	ND(0.079)	ND(0.074)	ND(0.079)
2-Butanone	ND(0.30)	ND(0.28)	ND(0.27)	0.17 J	0.072 J	ND(0.29)	ND(0.30)	0.050 J	ND(0.28)	ND(0.28)	ND(0.28)	0.078 J	0.029 J
2-Hexanone	ND(0.30)	ND(0.28)	ND(0.27)	ND(0.28)	0.019 J	ND(0.29)	ND(0.30)	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.28)	0.029 J	ND(0.28)
4-Methyl-2-pentanone	ND(0.30)	ND(0.28)	ND(0.27)	ND(0.28)	0.064 J	ND(0.29)	ND(0.30)	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.26)	ND(0.28)
Acetone	ND(0.30)	ND(0.28)	ND(0.27)	0.28	0.19 J	ND(0.29)	ND(0.30)	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.26)	ND(0.28)
Benzene	ND(0.042)	0.12	ND(0.038)	0.082	0.025 J	ND(0.040)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)
Benzene, isopropyl	ND(0.18)	ND(0.17)	ND(0.16)	0.25	0.085 J	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	0.041 J	ND(0.17)
Bromodichloromethane	ND(0.084)	ND(0.079)	ND(0.076)	ND(0.078)	0.012 J	ND(0.081)	ND(0.085)	ND(0.077)	ND(0.079)	ND(0.078)	ND(0.079)	ND(0.074)	ND(0.079)
Bromoform	ND(0.084)	ND(0.079)	ND(0.076)	ND(0.078)	ND(0.083)	ND(0.081)	ND(0.085)	ND(0.077)	ND(0.079)	ND(0.078)	ND(0.079)	ND(0.074)	ND(0.079)
Bromomethane	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17) J	ND(0.18) J	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)
Carbon disulfide	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)
Carbon tetrachloride	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)
Chlorobenzene	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)
Chloroethane	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)
Chloroform	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)
Chloromethane	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	0.050 J	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)
cis-1,2-Dichloroethene	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.039) J	ND(0.041) J	ND(0.040)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)
cis-1,3-Dichloropropene	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)
Cyclohexane	ND(0.18)	0.053 J	ND(0.16)	0.92 J	0.29 J	ND(0.17) J	ND(0.18) J	ND(0.16)	ND(0.17)	0.18	ND(0.17)	0.28	ND(0.17)
Dibromochloromethane	ND(0.084)	ND(0.079)	ND(0.076)	ND(0.078)	ND(0.083)	ND(0.081)	ND(0.085)	ND(0.077)	ND(0.079)	ND(0.078)	ND(0.079)	ND(0.074)	ND(0.079)
Dichlorodifluoromethane (CFC-12)	ND(0.084)	ND(0.079)	ND(0.076)	ND(0.078)	ND(0.083)	ND(0.081)	ND(0.085)	ND(0.077)	ND(0.079)	ND(0.078)	ND(0.079)	ND(0.074)	ND(0.079)
Ethylbenzene	ND(0.042)	ND(0.039)	ND(0.038)	0.4	0.16	ND(0.040)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	0.053	ND(0.039)
m&p-Xylene	ND(0.084)	0.039 J	ND(0.076)	2	0.8	0.027 J	ND(0.085)	0.054 J	ND(0.079)	0.034 J	ND(0.079)	0.3	ND(0.079)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-16-13	RFI-16-20	RFI-16-20	RFI-17-01	RFI-17-01	RFI-17-02	RFI-17-02	RFI-21-01	RFI-21-01	RFI-21-02	RFI-21-02	RFI-21-03	RFI-21-03
Sample Depth(feet):	9-11	1-3	4-6	0.7-2	2-4	0.3-2	4-6	0.9-2.9	6.9-8.9	0.7-2.7	6.7-8.7	1-3	9-11
Date Collected:	12/04/01	12/04/01	12/04/01	05/16/01	05/16/01	05/14/01	05/14/01	06/25/01	06/25/01	06/25/01	06/25/01	06/21/01	06/21/01
Methyl acetate	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	0.43	ND(0.17)	0.014 J	0.31	ND(0.17)	ND(0.17)	ND(0.17)	0.8	ND(0.17)
Methyl Tert Butyl Ether	ND(0.30)	ND(0.28)	ND(0.27)	ND(0.28)	ND(0.30)	ND(0.29)	ND(0.30)	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.26)	ND(0.28)
Methylcyclohexane	ND(0.18)	0.13 J	ND(0.16)	3.3	1.1	0.095 J	ND(0.18)	0.15 J	ND(0.17)	0.11 J	ND(0.17)	0.8	ND(0.17)
Methylene chloride	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	0.15 J	ND(0.17)	ND(0.18)	ND(0.16) J	ND(0.17) J	ND(0.17) J	ND(0.17) J	0.034 J	0.030 J
o-Xylene	ND(0.042)	ND(0.039)	ND(0.038)	1.6	0.6	0.022 J	ND(0.043)	0.036 J	ND(0.039)	ND(0.039)	ND(0.039)	0.25	ND(0.039)
Styrene	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.039)	0.018 J	ND(0.040)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)
Tetrachloroethene	ND(0.042)	ND(0.039)	ND(0.038)	0.010 J	ND(0.041)	ND(0.040)	ND(0.043)	ND(0.038)	ND(0.039)	0.035 J	ND(0.039)	ND(0.037)	ND(0.039)
Toluene	ND(0.042)	0.055	ND(0.038)	2.9	0.92	ND(0.040)	ND(0.043)	0.036 J	ND(0.039)	ND(0.039)	ND(0.039)	0.12	ND(0.039)
trans-1,2-Dichloroethene	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)
trans-1,3-Dichloropropene	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)
Trichloroethene	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.043)	ND(0.038)	ND(0.039)	0.035 J	ND(0.039)	ND(0.037)	ND(0.039)
Trichlorofluoromethane (CFC-11)	ND(0.084)	ND(0.079)	ND(0.076)	ND(0.078)	0.047 J	ND(0.081)	ND(0.085)	ND(0.077)	ND(0.079)	ND(0.078)	ND(0.079)	ND(0.074)	ND(0.079)
Trifluorotrichloroethane (Freon 113)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)
Vinyl chloride	ND(0.042)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039)
Xylenes (total)	ND(0.084)	0.039	ND(0.076)	3.6	1.4	0.049	ND(0.085)	0.09	ND(0.079)	0.034	ND(0.079)	0.55	ND(0.079)
Semivolatiles													
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
2,4,6-Trichlorophenol	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
2,4-Dichlorophenol	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
2,4-Dimethylphenol	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
2,4-Dinitrophenol	ND(0.81)	ND(0.77)	ND(0.75)	ND(0.75) J	ND(0.78) J	ND(0.78)	ND(0.82)	ND(0.73)	ND(0.77)	ND(0.76)	ND(0.75)	ND(0.71)	ND(0.76)
2,4-Dinitrotoluene	ND(0.81)	ND(0.77)	ND(0.75)	ND(0.75)	ND(0.78)	ND(0.78)	ND(0.82)	ND(0.73)	ND(0.77)	ND(0.76)	ND(0.75)	ND(0.71)	ND(0.76)
2,6-Dinitrotoluene	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
2-Chloronaphthalene	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
2-Chlorophenol	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
2-Methyl naphthalene	ND(0.20)	ND(0.20)	ND(0.19)	0.85	0.43	0.18 J	ND(0.21)	ND(0.19)	ND(0.19)	0.15 J	ND(0.19)	0.21 J	ND(0.19)
2-Methylphenol	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
2-Nitroaniline	ND(0.81)	ND(0.77)	ND(0.75)	ND(0.75)	ND(0.78)	ND(0.78)	ND(0.82)	ND(0.73)	ND(0.77)	ND(0.76)	ND(0.75)	ND(0.71)	ND(0.76)
2-Nitrophenol	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
3&4-Methylphenol	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.41)	ND(0.37)	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.36)	ND(0.39)
3,3-Dichlorobenzidine	ND(0.81)	ND(0.77)	ND(0.75)	ND(0.75) J	ND(0.78)	ND(0.78)	ND(0.82)	ND(0.73) J	ND(0.77)	ND(0.76)	ND(0.75)	ND(0.71)	ND(0.76) J
3-Nitroaniline	ND(0.81)	ND(0.77)	ND(0.75)	ND(0.75)	ND(0.78)	ND(0.78)	ND(0.82)	ND(0.73)	ND(0.77)	ND(0.76)	ND(0.75)	ND(0.71)	ND(0.76)
4,6-Dinitro-2-methylphenol	ND(0.81)	ND(0.77)	ND(0.75)	ND(0.75)	ND(0.78)	ND(0.78)	ND(0.82)	ND(0.73)	ND(0.77)	ND(0.76)	ND(0.75)	ND(0.71)	ND(0.76)
4-Bromophenyl phenyl ether	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
4-Chloro-3-methylphenol	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-16-13	RFI-16-20	RFI-16-20	RFI-17-01	RFI-17-01	RFI-17-02	RFI-17-02	RFI-21-01	RFI-21-01	RFI-21-02	RFI-21-02	RFI-21-03	RFI-21-03
Sample Depth(feet):	9-11	1-3	4-6	0.7-2	2-4	0.3-2	4-6	0.9-2.9	6.9-8.9	0.7-2.7	6.7-8.7	1-3	9-11
Date Collected:	12/04/01	12/04/01	12/04/01	05/16/01	05/16/01	05/14/01	05/14/01	06/25/01	06/25/01	06/25/01	06/25/01	06/21/01	06/21/01
4-Chloroaniline	ND(0.81)	ND(0.77)	ND(0.75)	ND(0.75)	ND(0.78)	ND(0.78)	ND(0.82)	ND(0.73) J	ND(0.77) J	ND(0.76) J	ND(0.75) J	ND(0.71) J	ND(0.76)
4-Chlorophenyl phenyl ether	ND(0.81)	ND(0.77)	ND(0.75)	ND(0.75)	ND(0.78)	ND(0.78)	ND(0.82)	ND(0.73)	ND(0.77)	ND(0.76)	ND(0.75)	ND(0.71)	ND(0.76)
4-Nitroaniline	ND(0.81)	ND(0.77)	ND(0.75)	ND(0.75)	ND(0.78)	ND(0.78)	ND(0.82)	ND(0.73)	ND(0.77)	ND(0.76)	ND(0.75)	ND(0.71)	ND(0.76)
4-Nitrophenol	ND(0.81)	ND(0.77)	ND(0.75)	ND(0.75)	ND(0.78)	ND(0.78)	ND(0.82)	ND(0.73)	ND(0.77)	ND(0.76)	ND(0.75)	ND(0.71)	ND(0.76) J
Acenaphthene	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
Acenaphthylene	ND(0.20)	ND(0.20)	ND(0.19)	0.065 J	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
Acetophenone	ND(0.20)	ND(0.20)	ND(0.19)	0.051 J	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
Anthracene	ND(0.20)	ND(0.20)	ND(0.19)	0.061 J	ND(0.20)	0.054 J	ND(0.21)	ND(0.19)	ND(0.19)	0.049 J	ND(0.19)	ND(0.18)	ND(0.19)
Atrazine	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
Benzaldehyde	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19) J
Benzo(a)anthracene	ND(0.20)	0.069 J	ND(0.19)	0.20 J	0.12 J	0.15 J	ND(0.21)	0.075 J	ND(0.19)	0.14 J	ND(0.19)	0.14 J	ND(0.19)
Benzo(a)pyrene	ND(0.20)	ND(0.20)	ND(0.19)	0.29 J	0.17 J	0.14 J	ND(0.21)	0.10 J	ND(0.19)	0.14 J	ND(0.19)	0.20 J	ND(0.19)
Benzo(b)fluoranthene	ND(0.20)	ND(0.20)	ND(0.19)	0.53 J	0.25	0.13 J	ND(0.21)	0.082 J	ND(0.19)	0.21	ND(0.19)	0.25 J	ND(0.19)
Benzo(g,h,i)perylene	ND(0.20)	ND(0.20)	ND(0.19)	0.18 J	0.12 J	0.065 J	ND(0.21)	0.14 J	ND(0.19)	0.10 J	ND(0.19)	0.089 J	ND(0.19)
Benzo(k)fluoranthene	ND(0.20)	ND(0.20)	ND(0.19)	0.32 J	0.17 J	0.14 J	ND(0.21)	0.062 J	ND(0.19)	0.17 J	ND(0.19)	0.25 J	ND(0.19)
Biphenyl	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19) J
bis(2-Chloroethoxy)methane	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
bis(2-Chloroethyl)ether	ND(0.040)	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.035)	ND(0.038)
bis(2-Chloroisopropyl)ether	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
bis(2-Ethylhexyl)phthalate	ND(0.20)	0.067 J	0.61	ND(0.19) J	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
Butyl benzylphthalate	ND(0.20)	0.13 J	0.046 J	0.24 J	0.12 J	ND(0.20)	ND(0.21)	ND(0.19) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
Caprolactam	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
Carbazole	ND(0.20)	ND(0.20)	ND(0.19)	0.041 J	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
Chrysene	ND(0.20)	0.074 J	ND(0.19)	0.26 J	0.17 J	0.18 J	ND(0.21)	0.12 J	ND(0.19)	0.19	ND(0.19)	0.19 J	ND(0.19)
Di-n-butylphthalate	ND(0.20)	ND(0.20)	ND(0.19)	0.051 J	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
Di-n-octyl phthalate	ND(0.20)	ND(0.20)	ND(0.19)	0.19 R	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18) J	ND(0.19)
Dibenzo(a,h)anthracene	ND(0.20)	ND(0.20)	ND(0.19)	0.19 R	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18) J	ND(0.19)
Dibenzofuran	ND(0.20)	ND(0.20)	ND(0.19)	0.28	0.12 J	0.069 J	ND(0.21)	0.038 J	ND(0.19)	0.058 J	ND(0.19)	ND(0.18)	ND(0.19)
Diethyl phthalate	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
Dimethyl phthalate	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
Fluoranthene	ND(0.20)	0.11 J	ND(0.19)	0.31	0.19 J	0.33	ND(0.21)	0.061 J	ND(0.19)	0.24	ND(0.19)	ND(0.18)	ND(0.19)
Fluorene	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
Hexachlorobenzene	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19) J
Hexachlorobutadiene	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
Hexachlorocyclopentadiene	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19) J
Hexachloroethane	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
Indeno(1,2,3-cd)pyrene	ND(0.20)	ND(0.20)	ND(0.19)	0.19 J	0.12 J	0.056 J	ND(0.21)	ND(0.19) J	ND(0.19)	0.086 J	ND(0.19)	ND(0.18) J	ND(0.19)
Isophorone	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
Methylphenols, Total	ND(0.41)	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.41)	ND(0.37)	ND(0.39)	ND(0.38)	ND(0.38)	ND(0.36)	ND(0.39)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-16-13	RFI-16-20	RFI-16-20	RFI-17-01	RFI-17-01	RFI-17-02	RFI-17-02	RFI-21-01	RFI-21-01	RFI-21-02	RFI-21-02	RFI-21-03	RFI-21-03
Sample Depth(feet):	9-11	1-3	4-6	0.7-2	2-4	0.3-2	4-6	0.9-2.9	6.9-8.9	0.7-2.7	6.7-8.7	1-3	9-11
Date Collected:	12/04/01	12/04/01	12/04/01	05/16/01	05/16/01	05/14/01	05/14/01	06/25/01	06/25/01	06/25/01	06/25/01	06/21/01	06/21/01
N-Nitrosodi-n-propylamine	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
N-Nitrosodiphenylamine	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
Naphthalene	ND(0.20)	ND(0.20)	ND(0.19)	0.58	0.31	0.083 J	ND(0.21)	0.047 J	ND(0.19)	0.082 J	ND(0.19)	0.10 J	ND(0.19)
Nitrobenzene	ND(0.081)	ND(0.077)	ND(0.075)	ND(0.075)	ND(0.078)	ND(0.078)	ND(0.082)	ND(0.073)	ND(0.077)	ND(0.076)	ND(0.075)	ND(0.071)	ND(0.076)
Pentachlorophenol	ND(0.81)	ND(0.77)	ND(0.75)	ND(0.75)	ND(0.78)	ND(0.78)	ND(0.82)	ND(0.73)	ND(0.77)	ND(0.76)	ND(0.75)	ND(0.71)	ND(0.76)
Phenanthrene	ND(0.20)	0.11 J	ND(0.19)	0.54	0.26	0.39	ND(0.21)	0.13 J	ND(0.19)	0.28	ND(0.19)	0.13 J	ND(0.19)
Phenol	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)
Pyrene	ND(0.20)	0.19 J	ND(0.19)	0.57 J	0.26	0.3	ND(0.21)	0.31 J	ND(0.19)	0.31	ND(0.19)	0.19 J	ND(0.19)
Inorganics													
Antimony	ND(0.19)	ND(0.24)	ND(0.17)	0.40 J	0.10 J	0.19 J	0.43 R	ND(0.21) J	ND(0.21) J	ND(0.19) J	ND(0.18) J	0.054 J	0.19 J
Arsenic	4.4	5.7	1.9	13(RDC)	12(RDC)	10(RDC)	14(RDC)	10(RDC)	10(RDC)	7.9(RDC)	5.3	10(RDC)	21(RDC)
Barium	52	100	15	48 J	41 J	160 J	90 J	80	59	60	25	69	49
Beryllium	0.42	1.5	0.15	0.45	0.41	2.1	0.72	1.2 J	0.52 J	0.41 J	0.21 J	0.93	0.42
Cadmium	0.11	0.66	0.043	0.25	0.22	0.31	0.12	0.18 J	0.22 J	2.3 J	0.099 J	0.25	0.31
Chromium	14	11	4.9	31	26	11 J	18 J	23 J	16 J	42 J	8.6 J	33	14
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	7.3	7.1	1.7	3.4 J	3.7 J	5.6 J	8.3 J	4.7	5.7	5.3	4.6	5.3	7.8
Copper	13	72	4.6	29 J	24 J	130 J	17 J	35	19	55	19	45 J	19 J
Cyanide (total)	0.15 J	0.55	ND(0.20)	0.0053 J	0.061 J	0.28	ND(0.20)	0.10 J	ND(0.20) J	0.11 J	0.026 J	0.38	0.038 J
Lead	14	71	2.7	65 J	53 J	270	11	50	11	54	13	40 J	31 J
Manganese	220	190	79	490	400	200	270	480 J	340 J	1,400 J	250 J	910	1300
Mercury	0.032 J	0.087	0.026 J	0.040 J	0.044 J	0.16	0.040 J	0.069 J	0.064 J	0.093	0.025 J	0.064 J	0.026 J
Nickel	20	34	5.9	16 J	16 J	34 J	21 J	19	19	39	9.2	18	16
Selenium	0.27 J	0.39 J	0.20 J	0.63 J	0.59 J	1.1 J	ND(1.7)	0.26 J	0.19 J	0.42 J	0.22 J	0.68	0.74
Silver	0.053 J	0.099 J	0.012 J	0.15 J	0.094 J	0.11 J	0.089 J	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.18)	0.13 J	0.042 J
Thallium	0.14 J	0.20 J	0.043 J	0.16 J	0.15 J	0.31 J	0.19 J	0.056 J	ND(0.21)	0.096 J	0.068 J	0.35	0.12 J
Vanadium	20	17	7.8	11	12	18 J	31 J	16	26	19	17	21	27
Zinc	36	64	15 B	44 J	50 J	93 J	56 J	59	52	56	28	57	44
PCBs													
Aroclor-1016	ND(0.042)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.040)
Aroclor-1221	ND(0.042)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.040)
Aroclor-1232	ND(0.042)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.040)
Aroclor-1242	ND(0.042)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.040)
Aroclor-1248	ND(0.042)	ND(0.040)	ND(0.039)	0.017 J	ND(0.041)	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.040)
Aroclor-1254	ND(0.042)	ND(0.040)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.040)
Aroclor-1260	ND(0.042)	ND(0.040)	ND(0.039)	0.13	0.22	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.040)	0.031 J	ND(0.039)	ND(0.037)	ND(0.040)
Total PCBs	ND(0.042)	ND(0.040)	ND(0.039)	0.15	0.22	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.040)	0.031	ND(0.039)	ND(0.037)	ND(0.040)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-21-04	RFI-21-04	RFI-21-04	RFI-23-01	RFI-23-01	RFI-23-02	RFI-29-01	RFI-29-01	RFI-29-02	RFI-29-03	RFI-36-01	RFI-36-01
Sample Depth(feet):	0.7-2.7	10.7-12.7	6.7-8.7	1-2	2-4	3-3.8	0.6-2	2-4	1-3	1-3	0.5-2.5	12.5-14.5
Date Collected:	11/06/01	11/06/01	11/06/01	05/22/01	05/22/01	05/22/01	05/15/01	05/15/01	09/05/01	09/05/01	08/21/01	08/21/01
Volatiles												
1,1,1-Trichloroethane	ND(0.037)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
1,1,2,2-Tetrachloroethane	ND(0.074)	ND(0.086)	ND(0.077)	ND(0.078)	ND(0.081)	ND(0.080)	ND(0.078)	ND(0.082)	NS	NS	ND(0.079)	ND(0.075)
1,1,2-Trichloroethane	ND(0.037)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
1,1-Dichloroethane	ND(0.037)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
1,1-Dichloroethene	ND(0.037)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
1,2,4-Trichlorobenzene	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17) J	ND(0.18) J	NS	NS	ND(0.17)	ND(0.16)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	NS	NS	ND(0.17)	ND(0.16)
1,2-Dibromoethane (EDB)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	NS	NS	ND(0.17)	ND(0.16)
1,2-Dichlorobenzene	ND(0.074)	ND(0.086)	ND(0.077)	ND(0.078)	ND(0.081)	ND(0.080)	ND(0.078)	ND(0.082)	NS	NS	ND(0.079)	ND(0.075)
1,2-Dichloroethane	ND(0.037)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.037)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.074)	ND(0.086)	ND(0.077)	ND(0.078)	ND(0.081)	ND(0.080)	ND(0.078)	ND(0.082)	NS	NS	ND(0.079)	ND(0.075)
1,4-Dichlorobenzene	ND(0.074)	ND(0.086)	ND(0.077)	ND(0.078)	ND(0.081)	ND(0.080)	ND(0.078)	ND(0.082)	NS	NS	ND(0.079)	ND(0.075)
2-Butanone	ND(0.26)	0.033 J	ND(0.27)	ND(0.28)	ND(0.29)	ND(0.29)	ND(0.28)	ND(0.29)	NS	NS	ND(0.28) J	ND(0.27) J
2-Hexanone	ND(0.26)	ND(0.31)	ND(0.27)	ND(0.28)	ND(0.29)	ND(0.29)	ND(0.28)	ND(0.29)	NS	NS	ND(0.28)	ND(0.27)
4-Methyl-2-pentanone	ND(0.26)	ND(0.31)	ND(0.27)	ND(0.28)	ND(0.29)	ND(0.29)	ND(0.28)	ND(0.29)	NS	NS	ND(0.28)	ND(0.27)
Acetone	ND(0.26)	ND(0.31)	ND(0.27)	ND(0.28)	ND(0.29)	ND(0.29)	ND(0.28)	ND(0.29)	NS	NS	ND(0.28) J	ND(0.27) J
Benzene	ND(0.037)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.040)	0.0086 J	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
Benzene, isopropyl	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	NS	NS	ND(0.17)	ND(0.16)
Bromodichloromethane	ND(0.074)	ND(0.086)	ND(0.077)	ND(0.078)	ND(0.081)	ND(0.080)	ND(0.078)	ND(0.082)	NS	NS	ND(0.079)	ND(0.075)
Bromoform	ND(0.074)	ND(0.086)	ND(0.077)	ND(0.078)	ND(0.081)	ND(0.080)	ND(0.078)	ND(0.082)	NS	NS	ND(0.079)	ND(0.075)
Bromomethane	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.17) J	ND(0.17) J	ND(0.17) J	ND(0.17)	ND(0.18)	NS	NS	ND(0.17) J	ND(0.16) J
Carbon disulfide	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	NS	NS	ND(0.17)	ND(0.16)
Carbon tetrachloride	ND(0.037)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
Chlorobenzene	ND(0.037)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
Chloroethane	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	NS	NS	ND(0.17)	ND(0.16)
Chloroform	ND(0.037)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
Chloromethane	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	NS	NS	ND(0.17) J	ND(0.16) J
cis-1,2-Dichloroethene	ND(0.037)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.039) J	ND(0.041) J	NS	NS	ND(0.040)	ND(0.037)
cis-1,3-Dichloropropene	ND(0.037)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
Cyclohexane	ND(0.16)	ND(0.18)	0.045 J	0.0056 J	ND(0.17) J	0.034 J	ND(0.17) J	ND(0.18) J	NS	NS	ND(0.17)	ND(0.16)
Dibromochloromethane	ND(0.074)	ND(0.086)	ND(0.077)	ND(0.078)	ND(0.081)	ND(0.080)	ND(0.078)	ND(0.082)	NS	NS	ND(0.079)	ND(0.075)
Dichlorodifluoromethane (CFC-12)	ND(0.074)	ND(0.086)	ND(0.077)	ND(0.078)	ND(0.081)	ND(0.080)	ND(0.078)	ND(0.082)	NS	NS	ND(0.079)	ND(0.075)
Ethylbenzene	ND(0.037)	ND(0.043)	0.049	ND(0.039)	ND(0.040)	0.015 J	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
m&p-Xylene	0.086	ND(0.086)	0.21	ND(0.078)	ND(0.081)	0.063 J	0.036 J	ND(0.082)	NS	NS	ND(0.079)	ND(0.075)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-21-04	RFI-21-04	RFI-21-04	RFI-23-01	RFI-23-01	RFI-23-02	RFI-29-01	RFI-29-01	RFI-29-02	RFI-29-03	RFI-36-01	RFI-36-01
Sample Depth(feet):	0.7-2.7	10.7-12.7	6.7-8.7	1-2	2-4	3-3.8	0.6-2	2-4	1-3	1-3	0.5-2.5	12.5-14.5
Date Collected:	11/06/01	11/06/01	11/06/01	05/22/01	05/22/01	05/22/01	05/15/01	05/15/01	09/05/01	09/05/01	08/21/01	08/21/01
Methyl acetate	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.17)	0.56	ND(0.17)	0.045 J	0.10 J	NS	NS	ND(0.17)	ND(0.16)
Methyl Tert Butyl Ether	ND(0.26)	ND(0.31)	ND(0.27)	ND(0.28)	ND(0.29)	ND(0.29)	ND(0.28)	ND(0.29)	NS	NS	ND(0.28)	ND(0.27)
Methylcyclohexane	0.14 J	ND(0.18)	0.043 J	0.031 J	0.029 J	0.12 J	0.045 J	ND(0.18)	NS	NS	0.033 J	ND(0.16)
Methylene chloride	ND(0.16)	ND(0.18)	ND(0.16)	0.013 J	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	NS	NS	ND(0.17)	ND(0.16)
o-Xylene	0.051	ND(0.043)	0.047	0.013 J	ND(0.040)	0.043	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
Styrene	ND(0.037)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
Tetrachloroethene	ND(0.037)	ND(0.043)	ND(0.038)	ND(0.039)	0.011 J	ND(0.040)	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
Toluene	0.035 J	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.052)	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
trans-1,2-Dichloroethene	ND(0.037)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
trans-1,3-Dichloropropene	ND(0.037)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
Trichloroethene	0.04	ND(0.043)	ND(0.038)	0.035 J	0.08	ND(0.040)	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
Trichlorofluoromethane (CFC-11)	ND(0.074)	ND(0.086)	ND(0.077)	0.0095 J	0.010 J	0.0097 J	ND(0.078)	ND(0.082)	NS	NS	ND(0.079)	ND(0.075)
Trifluorotrichloroethane (Freon 113)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	NS	NS	ND(0.17)	ND(0.16)
Vinyl chloride	ND(0.037)	ND(0.043)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
Xylenes (total)	0.14	ND(0.086)	0.26	0.013	ND(0.081)	0.11	0.036	ND(0.082)	NS	NS	ND(0.079)	ND(0.075)
Semivolatiles												
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
2,4,6-Trichlorophenol	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
2,4-Dichlorophenol	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
2,4-Dimethylphenol	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
2,4-Dinitrophenol	ND(0.71)	ND(0.82)	ND(0.74)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.79)	NS	NS	ND(0.76)	ND(0.71)
2,4-Dinitrotoluene	ND(0.71)	ND(0.82)	ND(0.74)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.79)	NS	NS	ND(0.76)	ND(0.71)
2,6-Dinitrotoluene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
2-Chloronaphthalene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
2-Chlorophenol	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
2-Methyl naphthalene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
2-Methylphenol	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
2-Nitroaniline	ND(0.71)	ND(0.82)	ND(0.74)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.79)	NS	NS	ND(0.76)	ND(0.71)
2-Nitrophenol	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
3&4-Methylphenol	ND(0.36)	ND(0.42)	ND(0.38)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)	ND(0.40)	NS	NS	ND(0.39) J	ND(0.36) J
3,3-Dichlorobenzidine	ND(0.71)	ND(0.82)	ND(0.74)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.79)	NS	NS	ND(0.76)	ND(0.71)
3-Nitroaniline	ND(0.71)	ND(0.82)	ND(0.74)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.79)	NS	NS	ND(0.76)	ND(0.71)
4,6-Dinitro-2-methylphenol	ND(0.71)	ND(0.82)	ND(0.74)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.79)	NS	NS	ND(0.76)	ND(0.71)
4-Bromophenyl phenyl ether	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
4-Chloro-3-methylphenol	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-21-04	RFI-21-04	RFI-21-04	RFI-23-01	RFI-23-01	RFI-23-02	RFI-29-01	RFI-29-01	RFI-29-02	RFI-29-03	RFI-36-01	RFI-36-01
Sample Depth(feet):	0.7-2.7	10.7-12.7	6.7-8.7	1-2	2-4	3-3.8	0.6-2	2-4	1-3	1-3	0.5-2.5	12.5-14.5
Date Collected:	11/06/01	11/06/01	11/06/01	05/22/01	05/22/01	05/22/01	05/15/01	05/15/01	09/05/01	09/05/01	08/21/01	08/21/01
4-Chloroaniline	ND(0.71)	ND(0.82)	ND(0.74)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.79)	NS	NS	ND(0.76)	ND(0.71)
4-Chlorophenyl phenyl ether	ND(0.71)	ND(0.82)	ND(0.74)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.79)	NS	NS	ND(0.76)	ND(0.71)
4-Nitroaniline	ND(0.71)	ND(0.82)	ND(0.74)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.79)	NS	NS	ND(0.76)	ND(0.71)
4-Nitrophenol	ND(0.71)	ND(0.82)	ND(0.74)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.79)	NS	NS	ND(0.76)	ND(0.71)
Acenaphthene	0.074 J	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Acenaphthylene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Acetophenone	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Anthracene	0.27	ND(0.21)	ND(0.19)	ND(0.19)	0.078 J	ND(0.19)	0.061 J	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Atrazine	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18) J
Benzaldehyde	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18) J
Benzo(a)anthracene	0.49	ND(0.21)	ND(0.19)	0.13 J	0.36	0.060 J	0.26	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Benzo(a)pyrene	0.52	ND(0.21)	ND(0.19)	0.14 J	0.37	0.060 J	0.23	ND(0.20)	NS	NS	ND(0.19) J	ND(0.18)
Benzo(b)fluoranthene	0.52	ND(0.21)	ND(0.19)	0.15 J	0.33 J	0.066 J	0.29	ND(0.20)	NS	NS	ND(0.19) J	ND(0.18)
Benzo(g,h,i)perylene	0.23	ND(0.21)	ND(0.19)	0.11 J	0.28	0.044 J	0.18 J	ND(0.20)	NS	NS	ND(0.19) J	ND(0.18) J
Benzo(k)fluoranthene	0.5	ND(0.21)	ND(0.19)	0.12 J	0.3	0.055 J	0.25	ND(0.20)	NS	NS	ND(0.19) J	ND(0.18)
Biphenyl	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
bis(2-Chloroethoxy)methane	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
bis(2-Chloroethyl)ether	ND(0.035)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.039)	NS	NS	ND(0.038)	ND(0.035)
bis(2-Chloroisopropyl)ether	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
bis(2-Ethylhexyl)phthalate	0.064 J	ND(0.21)	ND(0.19)	0.45	2	0.056 J	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Butyl benzylphthalate	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Caprolactam	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Carbazole	0.085 J	ND(0.21)	ND(0.19)	ND(0.19)	0.043 J	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Chrysene	0.54	ND(0.21)	ND(0.19)	0.16 J	0.38	0.068 J	0.29	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Di-n-butylphthalate	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	0.14 J	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Di-n-octyl phthalate	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19) J	ND(0.18)
Dibenzo(a,h)anthracene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	0.095 J	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19) J	ND(0.18)
Dibenzofuran	0.057 J	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Diethyl phthalate	ND(0.18)	ND(0.21)	ND(0.19)	0.079 J	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Dimethyl phthalate	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Fluoranthene	0.84	ND(0.21)	ND(0.19)	0.27	0.68	0.076 J	0.45	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Fluorene	0.12 J	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Hexachlorobenzene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Hexachlorobutadiene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Hexachlorocyclopentadiene	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18) J
Hexachloroethane	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Indeno(1,2,3-cd)pyrene	0.22	ND(0.21)	ND(0.19)	0.092 J	0.23	0.039 J	0.16 J	ND(0.20)	NS	NS	ND(0.19) J	ND(0.18) J
Isophorone	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Methylphenols, Total	ND(0.36)	ND(0.42)	ND(0.38)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)	ND(0.40)	NS	NS	ND(0.39)	ND(0.36)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-21-04	RFI-21-04	RFI-21-04	RFI-23-01	RFI-23-01	RFI-23-02	RFI-29-01	RFI-29-01	RFI-29-02	RFI-29-03	RFI-36-01	RFI-36-01
Sample Depth(feet):	0.7-2.7	10.7-12.7	6.7-8.7	1-2	2-4	3-3.8	0.6-2	2-4	1-3	1-3	0.5-2.5	12.5-14.5
Date Collected:	11/06/01	11/06/01	11/06/01	05/22/01	05/22/01	05/22/01	05/15/01	05/15/01	09/05/01	09/05/01	08/21/01	08/21/01
N-Nitrosodi-n-propylamine	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	0.45 J
N-Nitrosodiphenylamine	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Naphthalene	0.056 J	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	0.053 J	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Nitrobenzene	ND(0.071)	ND(0.082)	ND(0.074)	ND(0.075)	ND(0.078)	ND(0.077)	ND(0.075)	ND(0.079)	NS	NS	ND(0.076)	ND(0.071)
Pentachlorophenol	ND(0.71)	ND(0.82)	ND(0.74)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.79)	NS	NS	ND(0.76)	ND(0.71)
Phenanthrene	1	ND(0.21)	0.055 J	0.19 J	0.44	0.10 J	0.3	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Phenol	ND(0.18)	ND(0.21)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Pyrene	1.5	ND(0.21)	ND(0.19)	0.37	0.97	0.12 J	0.56	ND(0.20)	NS	NS	ND(0.19)	ND(0.18)
Inorganics												
Antimony	0.52	ND(0.21)	0.045 J	ND(0.36)	0.21 J	ND(0.39)	ND(0.37)	ND(0.41)	NS	NS	ND(0.26) J	ND(0.23) J
Arsenic	3.1	6.8	4.8	4.7	4.9	3.4	8.1(RDC)	5.8	NS	NS	5.5	2.5
Barium	31	82	41	38	110	45	400 J	44 J	NS	NS	62	11
Beryllium	0.18	0.7	0.26	0.41	0.75	0.37	1.5	0.42	NS	NS	0.41	0.088 J
Cadmium	0.21	0.24	0.079	0.32	0.32	0.26	1.2 J	0.11 J	NS	NS	0.29	0.078
Chromium	36	24	13	12 J	14 J	14 J	210 J	15 J	NS	NS	12	5.2
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	2.5	9.5	3.3	4	5.1	3.5	39	6.6	NS	NS	5.2	2.3
Copper	33	18	13	90	60	15	600	13	NS	NS	17	ND(4.8)
Cyanide (total)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.056 J	0.063 J	ND(0.20)	ND(0.20)	NS	NS	ND(0.20)	ND(0.20)
Lead	140	11	11	52	77	29	1,500 J(RDC,IDC)	12 J	96	470(RDC)	62 J	3.0 J
Manganese	450	580	660	240	490	360	440 J	340 J	NS	NS	270	140 J
Mercury	0.16	0.047 J	0.21	0.038 J	0.038 J	0.15	0.22	0.034 J	NS	NS	0.040 J	ND(0.074)
Nickel	21	23	6.2	13	18	12	50	14	NS	NS	13	6.9
Selenium	ND(0.071)	ND(0.084)	ND(0.078)	ND(1.5)	ND(1.4)	ND(0.71)	0.71 J	ND(1.6)	NS	NS	0.57 J	0.15
Silver	0.14 J	0.15 J	0.15 J	0.10 J	0.14 J	0.090 J	0.23	ND(0.19)	NS	NS	0.37	0.18 J
Thallium	0.041 J	0.28	0.12 J	0.11 J	0.12 J	0.091 J	ND(0.24)	ND(0.26)	NS	NS	0.11 J	0.040 J
Vanadium	9	39	20	14 J	18 J	13 J	66 J	22 J	NS	NS	16	9.3
Zinc	38	54	20	79	95	47	740 J	45 J	NS	NS	94	18
PCBs												
Aroclor-1016	ND(0.037)	ND(0.043)	ND(0.039)	ND(0.039) J	ND(0.041) J	ND(0.040) J	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
Aroclor-1221	ND(0.037)	ND(0.043)	ND(0.039)	ND(0.039) J	ND(0.041) J	ND(0.040) J	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
Aroclor-1232	ND(0.037)	ND(0.043)	ND(0.039)	ND(0.039) J	ND(0.041) J	ND(0.040) J	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
Aroclor-1242	ND(0.037)	ND(0.043)	ND(0.039)	ND(0.039) J	ND(0.041) J	ND(0.040) J	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
Aroclor-1248	ND(0.037)	ND(0.043)	ND(0.039)	ND(0.039) J	ND(0.041) J	ND(0.040) J	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
Aroclor-1254	ND(0.037)	ND(0.043)	ND(0.039)	ND(0.039) J	ND(0.041) J	ND(0.040) J	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
Aroclor-1260	0.015 J	ND(0.043)	ND(0.039)	ND(0.039) J	ND(0.041) J	ND(0.040) J	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)
Total PCBs	0.015	ND(0.043)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.039)	ND(0.041)	NS	NS	ND(0.040)	ND(0.037)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-01	RFI-36-02	RFI-36-02	RFI-36-02	RFI-36-02	RFI-36-03	RFI-36-03	RFI-36-03	RFI-36-04
Sample Depth(feet):	8.5-10.5	1-3	13-15	7-9	9-11	0.8-2	14-16	8-10	0.6-2
Date Collected:	08/21/01	09/17/01	09/17/01	09/17/01	09/17/01	12/20/00	12/20/00	12/20/00	12/19/00
Volatiles									
1,1,1-Trichloroethane	ND(0.039) [ND(0.041)]	ND(0.037)	ND(0.037)	ND(0.044)	ND(0.037) [ND(0.036)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
1,1,2,2-Tetrachloroethane	ND(0.077) [ND(0.082)]	ND(0.075)	ND(0.074)	ND(0.087)	ND(0.074) [ND(0.071)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
1,1,2-Trichloroethane	ND(0.039) [ND(0.041)]	ND(0.037)	ND(0.037)	ND(0.044)	ND(0.037) [ND(0.036)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
1,1-Dichloroethane	ND(0.039) [ND(0.041)]	ND(0.037)	ND(0.037)	ND(0.044)	ND(0.037) [ND(0.036)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
1,1-Dichloroethene	ND(0.039) [ND(0.041)]	ND(0.037)	ND(0.037)	ND(0.044)	ND(0.037) [ND(0.036)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
1,2,4-Trichlorobenzene	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16) [ND(0.15)]	NS	NS	NS	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16) [ND(0.15)]	NS	NS	NS	NS
1,2-Dibromoethane (EDB)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16) [ND(0.15)]	NS	NS	NS	NS
1,2-Dichlorobenzene	ND(0.077) [ND(0.082)]	ND(0.075)	ND(0.074)	ND(0.087)	ND(0.074) [ND(0.071)]	NS	NS	NS	NS
1,2-Dichloroethane	ND(0.039) [ND(0.041)]	ND(0.037)	ND(0.037)	ND(0.044)	ND(0.037) [ND(0.036)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	ND(0.071)	ND(0.082) [ND(0.085)]	ND(0.083)	ND(0.065)
1,2-Dichloropropane	ND(0.039) [ND(0.041)]	ND(0.037)	ND(0.037)	ND(0.044)	ND(0.037) [ND(0.036)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.077) [ND(0.082)]	ND(0.075)	ND(0.074)	ND(0.087)	ND(0.074) [ND(0.071)]	NS	NS	NS	NS
1,4-Dichlorobenzene	ND(0.077) [ND(0.082)]	ND(0.075)	ND(0.074)	ND(0.087)	ND(0.074) [ND(0.071)]	NS	NS	NS	NS
2-Butanone	ND(0.28) J [ND(0.29) J]	ND(0.27) J	ND(0.27) J	ND(0.31) J	ND(0.26) J [ND(0.25) J]	ND(0.25)	ND(0.29) [ND(0.30)]	ND(0.30)	ND(0.23)
2-Hexanone	ND(0.28) [ND(0.29)]	ND(0.27)	ND(0.27)	ND(0.31)	ND(0.26) [ND(0.25)]	ND(0.15)	ND(0.18) [ND(-0.18)]	ND(0.18)	ND(0.14)
4-Methyl-2-pentanone	ND(0.28) [ND(0.29)]	ND(0.27)	ND(0.27)	ND(0.31)	ND(0.26) [ND(0.25)]	ND(0.15)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.14)
Acetone	ND(0.28) J [ND(0.29) J]	ND(0.27) J	ND(0.27) J	ND(0.31) J	ND(0.26) J [ND(0.25) J]	ND(0.33)	ND(0.34) [ND(0.35)]	ND(0.40)	ND(0.23)
Benzene	ND(0.039) [ND(0.041)]	ND(0.037)	ND(0.037)	ND(0.044)	ND(0.037) [ND(0.036)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
Benzene, isopropyl	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16) [ND(0.15)]	NS	NS	NS	NS
Bromodichloromethane	ND(0.077) [ND(0.082)]	ND(0.075)	ND(0.074)	ND(0.087)	ND(0.074) [ND(0.071)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
Bromoform	ND(0.077) [ND(0.082)]	ND(0.075)	ND(0.074)	ND(0.087)	ND(0.074) [ND(0.071)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
Bromomethane	ND(0.17) J [ND(0.17) J]	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16) [ND(0.15)]	ND(0.15)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.14) J
Carbon disulfide	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16) [ND(0.15)]	ND(0.15)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.14)
Carbon tetrachloride	ND(0.039) [ND(0.041)]	ND(0.037)	ND(0.037)	ND(0.044)	ND(0.037) [ND(0.036)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
Chlorobenzene	ND(0.039) [ND(0.041)]	ND(0.037)	ND(0.037)	ND(0.044)	ND(0.037) [ND(0.036)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
Chloroethane	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16) [ND(0.15)]	ND(0.15)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.14)
Chloroform	ND(0.039) [ND(0.041)]	ND(0.037)	ND(0.037)	ND(0.044)	ND(0.037) [ND(0.036)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
Chloromethane	ND(0.17) J [ND(0.17) J]	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16) [ND(0.15)]	ND(0.15)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.14)
cis-1,2-Dichloroethene	ND(0.039) [ND(0.041)]	ND(0.037)	ND(0.037)	ND(0.044)	ND(0.037) [ND(0.036)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
cis-1,3-Dichloropropene	ND(0.039) [ND(0.041)]	ND(0.037)	ND(0.037)	ND(0.044)	ND(0.037) [ND(0.036)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
Cyclohexane	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16) [ND(0.15)]	NS	NS	NS	NS
Dibromochloromethane	ND(0.077) [ND(0.082)]	ND(0.075)	ND(0.074)	ND(0.087)	ND(0.074) [ND(0.071)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
Dichlorodifluoromethane (CFC-12)	ND(0.077) [ND(0.082)]	ND(0.075)	ND(0.074)	ND(0.087)	ND(0.074) [ND(0.071)]	NS	NS	NS	NS
Ethylbenzene	ND(0.039) [ND(0.041)]	ND(0.037)	ND(0.037)	ND(0.044)	ND(0.037) [ND(0.036)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
m&p-Xylene	ND(0.077) [ND(0.082)]	ND(0.075)	ND(0.074)	ND(0.087)	ND(0.074) [ND(0.071)]	ND(0.071)	ND(0.082) [ND(0.085)]	ND(0.083)	ND(0.065)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-01	RFI-36-02	RFI-36-02	RFI-36-02	RFI-36-02	RFI-36-03	RFI-36-03	RFI-36-03	RFI-36-04
Sample Depth(feet):	8.5-10.5	1-3	13-15	7-9	9-11	0.8-2	14-16	8-10	0.6-2
Date Collected:	08/21/01	09/17/01	09/17/01	09/17/01	09/17/01	12/20/00	12/20/00	12/20/00	12/19/00
Methyl acetate	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16) [ND(0.15)]	NS	NS	NS	NS
Methyl Tert Butyl Ether	ND(0.28) [ND(0.29)]	ND(0.27)	ND(0.27)	ND(0.31)	ND(0.26) [ND(0.25)]	NS	NS	NS	NS
Methylcyclohexane	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16) [ND(0.15)]	NS	NS	NS	NS
Methylene chloride	ND(0.17) [ND(0.17)]	0.033 J	0.033 J	0.036 J	0.034 J [0.042 J]	ND(0.15)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.14) J
o-Xylene	ND(0.039) [ND(0.041)]	ND(0.037)	ND(0.037)	ND(0.044)	ND(0.037) [ND(0.036)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
Styrene	ND(0.039) [ND(0.041)]	ND(0.037)	ND(0.037)	ND(0.044)	ND(0.037) [ND(0.036)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
Tetrachloroethene	ND(0.039) [ND(0.041)]	ND(0.037)	ND(0.037)	ND(0.044)	ND(0.037) [ND(0.036)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
Toluene	ND(0.039) [ND(0.041)]	ND(0.037)	ND(0.037)	ND(0.044)	ND(0.037) [ND(0.036)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
trans-1,2-Dichloroethene	ND(0.039) [ND(0.041)]	ND(0.037)	ND(0.037)	ND(0.044)	ND(0.037) [ND(0.036)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
trans-1,3-Dichloropropene	ND(0.039) [ND(0.041)]	ND(0.037)	ND(0.037)	ND(0.044)	ND(0.037) [ND(0.036)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
Trichloroethene	ND(0.039) [ND(0.041)]	ND(0.037)	ND(0.037)	ND(0.044)	ND(0.037) [ND(0.036)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
Trichlorofluoromethane (CFC-11)	ND(0.077) [ND(0.082)]	ND(0.075)	ND(0.074)	ND(0.087)	ND(0.074) [ND(0.071)]	NS	NS	NS	NS
Trifluorotrichloroethane (Freon 113)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16) [ND(0.15)]	NS	NS	NS	NS
Vinyl chloride	ND(0.039) [ND(0.041)]	ND(0.037)	ND(0.037)	ND(0.044)	ND(0.037) [ND(0.036)]	ND(0.036)	ND(0.041) [ND(0.042)]	ND(0.041)	ND(0.033)
Xylenes (total)	ND(0.077) [ND(0.082)]	ND(0.075)	ND(0.074)	ND(0.087)	ND(0.074) [ND(0.071)]	ND(0.071)	ND(0.082) [ND(0.085)]	ND(0.083)	ND(0.065)
Semivolatiles									
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
2,4,5-Trichlorophenol	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
2,4,6-Trichlorophenol	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
2,4-Dichlorophenol	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
2,4-Dimethylphenol	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
2,4-Dinitrophenol	ND(0.75) J [ND(0.78) J]	ND(0.73) J	ND(0.72) J	ND(0.85) J	ND(0.70) J	ND(0.76) J	ND(0.82) J [ND(0.83)]	ND(0.71) J	0.75 R
2,4-Dinitrotoluene	ND(0.75) [ND(0.78)]	ND(0.73)	ND(0.72)	ND(0.85)	ND(0.70)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
2,6-Dinitrotoluene	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
2-Chloronaphthalene	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
2-Chlorophenol	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
2-Methyl naphthalene	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
2-Methylphenol	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
2-Nitroaniline	ND(0.75) [ND(0.78)]	ND(0.73)	ND(0.72)	ND(0.85)	ND(0.70)	ND(0.76)	ND(0.82) [ND(0.83)]	ND(0.71)	ND(0.75)
2-Nitrophenol	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
3&4-Methylphenol	ND(0.38) J [ND(0.40) J]	ND(0.37) J	ND(0.36) J	ND(0.43) J	ND(0.36) J	ND(0.37)	ND(0.40) [ND(0.41)]	ND(0.35)	ND(0.37)
3,3-Dichlorobenzidine	ND(0.75) [ND(0.78)]	ND(0.73) J	ND(0.72)	ND(0.85) J	ND(0.70) J	ND(0.76) J	ND(0.82) J [ND(0.83) J]	ND(0.71) J	ND(0.75) J
3-Nitroaniline	ND(0.75) [ND(0.78)]	ND(0.73)	ND(0.72)	ND(0.85)	ND(0.70)	ND(0.76)	ND(0.82) [ND(0.83)]	ND(0.71)	ND(0.75) J
4,6-Dinitro-2-methylphenol	ND(0.75) J [ND(0.78) J]	ND(0.73)	ND(0.72)	ND(0.85)	ND(0.70)	ND(0.76)	ND(0.82) [ND(0.83)]	ND(0.71)	ND(0.75)
4-Bromophenyl phenyl ether	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
4-Chloro-3-methylphenol	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	0.18 R	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-01	RFI-36-02	RFI-36-02	RFI-36-02	RFI-36-02	RFI-36-03	RFI-36-03	RFI-36-03	RFI-36-04
Sample Depth(feet):	8.5-10.5	1-3	13-15	7-9	9-11	0.8-2	14-16	8-10	0.6-2
Date Collected:	08/21/01	09/17/01	09/17/01	09/17/01	09/17/01	12/20/00	12/20/00	12/20/00	12/19/00
4-Chloroaniline	ND(0.75) [ND(0.78)]	ND(0.73)	ND(0.72)	ND(0.85)	ND(0.70)	ND(0.76) J	ND(0.82) J [ND(0.83) J]	ND(0.71) J	ND(0.75) J
4-Chlorophenyl phenyl ether	ND(0.75) [ND(0.78)]	0.73 R	0.72 R	0.85 R	ND(0.70)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
4-Nitroaniline	ND(0.75) [ND(0.78)]	ND(0.73)	ND(0.72)	ND(0.85)	ND(0.70)	ND(0.76) J	ND(0.82) J [ND(0.83)]	ND(0.71) J	ND(0.75)
4-Nitrophenol	ND(0.75) [ND(0.78)]	ND(0.73)	ND(0.72)	ND(0.85)	ND(0.70)	ND(0.76)	ND(0.82) [ND(0.83)]	ND(0.71)	ND(0.75)
Acenaphthene	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
Acenaphthylene	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
Acetophenone	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	NS	NS	NS	NS
Anthracene	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
Atrazine	ND(0.19) J [ND(0.20) J]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	NS	NS	NS	NS
Benzaldehyde	ND(0.19) J [ND(0.20) J]	ND(0.19) J	ND(0.18)	ND(0.22)	ND(0.18)	NS	NS	NS	NS
Benzo(a)anthracene	ND(0.19) [ND(0.20)]	ND(0.19) J	ND(0.18)	ND(0.22) J	ND(0.18) J	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	0.78
Benzo(a)pyrene	ND(0.19) [ND(0.20)]	ND(0.19) J	ND(0.18)	ND(0.22) J	ND(0.18) J	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	1.1
Benzo(b)fluoranthene	ND(0.19) [ND(0.20)]	ND(0.19) J	ND(0.18)	ND(0.22) J	ND(0.18) J	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	1.2
Benzo(g,h,i)perylene	ND(0.19) J [ND(0.20) J]	ND(0.19) J	ND(0.18)	ND(0.22) J	ND(0.18) J	ND(0.19) J	ND(0.21) J [ND(0.21)]	ND(0.18) J	0.47
Benzo(k)fluoranthene	ND(0.19) [ND(0.20)]	ND(0.19) J	ND(0.18)	ND(0.22) J	ND(0.18) J	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	0.85
Biphenyl	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	NS	NS	NS	NS
bis(2-Chloroethoxy)methane	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19) J	ND(0.21) J [ND(0.21) J]	ND(0.18) J	ND(0.19) J
bis(2-Chloroethyl)ether	ND(0.037) [ND(0.039)]	ND(0.036)	ND(0.035)	ND(0.042)	ND(0.035)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
bis(2-Chloroisopropyl)ether	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19) J	ND(0.21) J [ND(0.21) J]	ND(0.18) J	ND(0.19)
bis(2-Ethylhexyl)phthalate	ND(0.19) [ND(0.20)]	ND(0.19) J	ND(0.18)	ND(0.22) J	ND(0.18) J	ND(0.19) J	ND(0.21) J [ND(0.21)]	ND(0.18) J	ND(0.19)
Butyl benzylphthalate	ND(0.19) [ND(0.20)]	0.051 J	ND(0.18)	ND(0.22) J	ND(0.18) J	ND(0.19) J	ND(0.21) J [ND(0.21)]	ND(0.18) J	ND(0.19)
Caprolactam	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	NS	NS	NS	NS
Carbazole	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
Chrysene	ND(0.19) [ND(0.20)]	ND(0.19) J	ND(0.18)	ND(0.22) J	ND(0.18) J	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	1.1
Di-n-butylphthalate	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
Di-n-octyl phthalate	ND(0.19) [ND(0.20)]	ND(0.19) J	ND(0.18)	ND(0.22) J	ND(0.18) J	0.21	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
Dibenzo(a,h)anthracene	ND(0.19) J [ND(0.20) J]	ND(0.19) J	ND(0.18)	ND(0.22) J	ND(0.18) J	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
Dibenzofuran	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
Diethyl phthalate	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [4.0]	ND(0.18)	ND(0.19)
Dimethyl phthalate	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
Fluoranthene	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	1.3
Fluorene	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
Hexachlorobenzene	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
Hexachlorobutadiene	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
Hexachlorocyclopentadiene	ND(0.19) J [ND(0.20) J]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21) J]	ND(0.18)	ND(0.19) J
Hexachloroethane	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
Indeno(1,2,3-cd)pyrene	ND(0.19) J [ND(0.20) J]	ND(0.19) J	ND(0.18)	ND(0.22) J	ND(0.18) J	ND(0.19) J	ND(0.21) J [ND(0.21)]	ND(0.18) J	0.58
Isophorone	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
Methylphenols, Total	ND(0.38) [ND(0.40)]	ND(0.37)	ND(0.36)	ND(0.43)	ND(0.36)	ND(0.37)	ND(0.40) [ND(0.41)]	ND(0.35)	ND(0.37)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-01	RFI-36-02	RFI-36-02	RFI-36-02	RFI-36-02	RFI-36-03	RFI-36-03	RFI-36-03	RFI-36-04
Sample Depth(feet):	8.5-10.5	1-3	13-15	7-9	9-11	0.8-2	14-16	8-10	0.6-2
Date Collected:	08/21/01	09/17/01	09/17/01	09/17/01	09/17/01	12/20/00	12/20/00	12/20/00	12/19/00
N-Nitrosodi-n-propylamine	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19) J	ND(0.21) J [ND(0.21) J]	ND(0.18) J	ND(0.19)
N-Nitrosodiphenylamine	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
Naphthalene	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
Nitrobenzene	ND(0.075) [ND(0.078)]	ND(0.073)	ND(0.072)	ND(0.085)	ND(0.070)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
Pentachlorophenol	ND(0.75) [ND(0.78)]	ND(0.73)	ND(0.72)	ND(0.85)	ND(0.70)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
Phenanthrene	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
Phenol	ND(0.19) [ND(0.20)]	ND(0.19)	ND(0.18)	ND(0.22)	ND(0.18)	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	ND(0.19)
Pyrene	ND(0.19) [ND(0.20)]	ND(0.19) J	ND(0.18)	ND(0.22) J	ND(0.18) J	ND(0.19)	ND(0.21) [ND(0.21)]	ND(0.18)	1.7
Inorganics									
Antimony	ND(0.25) J [ND(0.27) J]	0.71 J	0.11 J	0.18 J	0.11 J	NS	NS	NS	NS
Arsenic	3.2 [5.1]	3.6 J	4.0 J	4.2 J	3.1 J	4.5 J	3.8 J [3.4 J]	7.6 J	5.6
Barium	50 [36]	12 J	7.6 J	16 J	8.5 J	28 J	8.9 J [7.3 J]	7.9 J	32
Beryllium	0.44 [0.45]	0.091 J	0.061 J	0.12 J	0.058 J	NS	NS	NS	NS
Cadmium	0.13 [0.15]	0.073 J	0.10 J	0.10 J	0.065 J	0.17	0.11 [0.27]	0.064	0.15
Chromium	18 [15]	5.0 J	4.2 J	7.6 J	4.5 J	11	4.4 [13]	6.4	16
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	7.9 [7.6]	2.5 J	2.3 J	3.1 J	2.4 J	NS	NS	NS	NS
Copper	18 [14]	6.5 J	5.8 J	7.9 J	5.6 J	NS	NS	NS	NS
Cyanide (total)	ND(0.20) [ND(0.20)]	ND(0.20) J	ND(0.20) J	ND(0.20) J	ND(0.20) J	NS	NS	NS	NS
Lead	8.2 J [8.7 J]	5.0 J	5.1 J	6.3 J	4.1 J	12	4.3 [4.7]	5.7	14
Manganese	390 [350]	120 J	120 J	180 J	110 J	NS	NS	NS	NS
Mercury	ND(0.074) [ND(0.082)]	ND(0.075)	ND(0.073)	ND(0.083)	ND(0.073)	ND(0.022)	ND(0.024) [ND(0.024)]	ND(0.021)	ND(0.021)
Nickel	24 [21]	6.8 J	5.6 J	8.4 J	5.8 J	NS	NS	NS	NS
Selenium	0.71 [0.39]	0.15 J	0.061 J	0.15 J	0.064 J	0.23	0.2 [0.35]	ND(0.20)	ND(0.18)
Silver	0.28 [0.32]	0.11 J	0.048 J	0.14 J	0.051 J	ND(0.51)	ND(0.48) [ND(0.36)]	ND(0.51)	ND(0.45)
Thallium	0.13 J [0.17 J]	0.070 J	0.058 J	0.075 J	0.045 J	NS	NS	NS	NS
Vanadium	20 [23]	8.6 J	7.2 J	10 J	7.8 J	NS	NS	NS	NS
Zinc	36 [85]	23 J	23 J	28 J	21 J	NS	NS	NS	NS
PCBs									
Aroclor-1016	ND(0.039) [ND(0.041)]	ND(0.038)	ND(0.037)	ND(0.044)	ND(0.037)	NS	NS	NS	NS
Aroclor-1221	ND(0.039) [ND(0.041)]	ND(0.038)	ND(0.037)	ND(0.044)	ND(0.037)	NS	NS	NS	NS
Aroclor-1232	ND(0.039) [ND(0.041)]	ND(0.038)	ND(0.037)	ND(0.044)	ND(0.037)	NS	NS	NS	NS
Aroclor-1242	ND(0.039) [ND(0.041)]	ND(0.038)	ND(0.037)	ND(0.044)	ND(0.037)	NS	NS	NS	NS
Aroclor-1248	ND(0.039) [ND(0.041)]	ND(0.038)	ND(0.037)	ND(0.044)	ND(0.037)	NS	NS	NS	NS
Aroclor-1254	ND(0.039) [ND(0.041)]	ND(0.038)	ND(0.037)	ND(0.044)	ND(0.037)	NS	NS	NS	NS
Aroclor-1260	ND(0.039) [ND(0.041)]	ND(0.038)	ND(0.037)	ND(0.044)	ND(0.037)	NS	NS	NS	NS
Total PCBs	ND(0.039) [ND(0.041)]	ND(0.038)	ND(0.037)	ND(0.044)	ND(0.037)	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-04	RFI-36-04	RFI-36-05	RFI-36-05	RFI-36-05	RFI-36-06	RFI-36-06	RFI-36-06	RFI-36-07
Sample Depth(feet):	18-20	8-10	0.8-2	16-18	8-10	0.7-2	16-17	6-8	0.8-2
Date Collected:	12/19/00	12/19/00	12/18/00	12/18/00	12/18/00	12/19/00	12/19/00	12/19/00	12/20/00
Volatiles									
1,1,1-Trichloroethane	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.033)	ND(0.037)
1,1,2,2-Tetrachloroethane	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.033)	ND(0.037)
1,1,2-Trichloroethane	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.033)	ND(0.037)
1,1-Dichloroethane	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	0.04	ND(0.041)	ND(0.033)	ND(0.037)
1,1-Dichloroethene	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.033)	ND(0.037)
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloroethane	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.033)	ND(0.037)
1,2-Dichloroethene (total)	ND(0.084) [ND(0.084)]	ND(0.073)	ND(0.084)	ND(0.089)	ND(0.085)	ND(0.071)	ND(0.082)	ND(0.067)	ND(0.074)
1,2-Dichloropropane	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.033)	ND(0.037)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	ND(0.30) [ND(0.30)]	ND(0.26)	ND(0.30)	ND(0.32)	ND(0.30)	ND(0.25)	ND(0.29)	ND(0.24)	ND(0.26)
2-Hexanone	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.15)	ND(0.17)	ND(0.14)	ND(0.16)
4-Methyl-2-pentanone	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.15)	ND(0.17)	ND(0.14)	ND(0.16)
Acetone	ND(0.30) [ND(0.30)]	ND(0.26)	ND(0.30)	ND(0.32)	ND(0.30)	0.31 J	ND(0.29)	ND(0.24)	ND(0.58)
Benzene	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.033)	ND(0.037)
Benzene, isopropyl	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.033)	ND(0.037)
Bromoform	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.033)	ND(0.037)
Bromomethane	ND(0.18) J [ND(0.18)]	ND(0.16) J	ND(0.18) J	ND(0.19) J	ND(0.18) J	ND(0.15)	ND(0.17)	ND(0.14)	ND(0.16)
Carbon disulfide	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.15)	ND(0.17)	ND(0.14)	ND(0.16)
Carbon tetrachloride	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.033)	ND(0.037)
Chlorobenzene	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.033)	ND(0.037)
Chloroethane	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.15)	ND(0.17)	ND(0.14)	ND(0.16)
Chloroform	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.033)	ND(0.037)
Chloromethane	ND(0.18) [ND(0.18)]	ND(0.16)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.15)	ND(0.17)	ND(0.14)	ND(0.16)
cis-1,2-Dichloroethene	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.033)	ND(0.037)
cis-1,3-Dichloropropene	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.033)	ND(0.037)
Cyclohexane	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.033)	ND(0.037)
Dichlorodifluoromethane (CFC-12)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.033)	ND(0.037)
m&p-Xylene	ND(0.084) [ND(0.084)]	ND(0.073)	ND(0.084)	ND(0.089)	ND(0.085)	ND(0.071)	ND(0.082)	ND(0.067)	ND(0.074)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-04	RFI-36-04	RFI-36-05	RFI-36-05	RFI-36-05	RFI-36-06	RFI-36-06	RFI-36-06	RFI-36-07
Sample Depth(feet):	18-20	8-10	0.8-2	16-18	8-10	0.7-2	16-17	6-8	0.8-2
Date Collected:	12/19/00	12/19/00	12/18/00	12/18/00	12/18/00	12/19/00	12/19/00	12/19/00	12/20/00
Methyl acetate	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methyl Tert Butyl Ether	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylcyclohexane	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	ND(0.18) J [ND(0.18)]	ND(0.16) J	ND(0.18) J	ND(0.19) J	ND(0.18) J	ND(0.15)	ND(0.17)	ND(0.14)	ND(0.16)
o-Xylene	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.033)	ND(0.037)
Styrene	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.033)	ND(0.037)
Tetrachloroethene	ND(0.042) [ND(0.042) J]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036) J	ND(0.041)	ND(0.033)	ND(0.037)
Toluene	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	0.097	ND(0.041)	ND(0.033)	ND(0.037)
trans-1,2-Dichloroethene	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.033)	ND(0.037)
trans-1,3-Dichloropropene	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.033)	ND(0.037)
Trichloroethene	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	0.047	0.05	ND(0.041)	ND(0.033)	ND(0.037)
Trichlorofluoromethane (CFC-11)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trifluorotrichloroethane (Freon 113)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vinyl chloride	ND(0.042) [ND(0.042)]	ND(0.037)	ND(0.042)	ND(0.045)	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.033)	ND(0.037)
Xylenes (total)	ND(0.084) [ND(0.084)]	ND(0.073)	ND(0.084)	ND(0.089)	ND(0.085)	ND(0.071)	ND(0.082)	ND(0.067)	ND(0.074)
Semivolatiles									
1,2,4-Trichlorobenzene	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
1,2-Dichlorobenzene	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
1,3-Dichlorobenzene	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
1,4-Dichlorobenzene	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
2,4,5-Trichlorophenol	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
2,4,6-Trichlorophenol	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
2,4-Dichlorophenol	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
2,4-Dimethylphenol	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
2,4-Dinitrophenol	0.80 R [0.82 R]	0.74 R	0.70 R	0.71 R	0.71 R	18 R	6.9 R	0.76 R	ND(37) J
2,4-Dinitrotoluene	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
2,6-Dinitrotoluene	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
2-Chloronaphthalene	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
2-Chlorophenol	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
2-Methyl naphthalene	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
2-Methylphenol	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
2-Nitroaniline	ND(0.80) [ND(0.82)]	ND(0.74)	ND(0.70)	ND(0.71)	ND(0.71)	ND(18)	ND(6.9)	ND(0.76)	ND(37)
2-Nitrophenol	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
3&4-Methylphenol	ND(0.39) [ND(0.40)]	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	ND(9.0)	ND(3.4)	ND(0.37)	ND(18)
3,3-Dichlorobenzidine	ND(0.80) J [ND(0.82)]	ND(0.74) J	ND(0.70) J	ND(0.71) J	ND(0.71) J	ND(18)	ND(6.9)	ND(0.76)	ND(37) J
3-Nitroaniline	ND(0.80) J [ND(0.82) J]	ND(0.74) J	ND(0.70) J	ND(0.71) J	ND(0.71) J	ND(18)	ND(6.9)	ND(0.76) J	ND(37)
4,6-Dinitro-2-methylphenol	ND(0.80) [ND(0.82)]	ND(0.74)	ND(0.70)	ND(0.71)	ND(0.71)	ND(18)	ND(6.9)	ND(0.76)	ND(37)
4-Bromophenyl phenyl ether	ND(0.20) J [ND(0.21)]	ND(0.19) J	ND(0.18) J	ND(0.18) J	ND(0.18) J	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
4-Chloro-3-methylphenol	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-04	RFI-36-04	RFI-36-05	RFI-36-05	RFI-36-05	RFI-36-06	RFI-36-06	RFI-36-06	RFI-36-07
Sample Depth(feet):	18-20	8-10	0.8-2	16-18	8-10	0.7-2	16-17	6-8	0.8-2
Date Collected:	12/19/00	12/19/00	12/18/00	12/18/00	12/18/00	12/19/00	12/19/00	12/19/00	12/20/00
4-Chloroaniline	ND(0.80) J [ND(0.82) J]	ND(0.74) J	ND(0.70) J	ND(0.71) J	ND(0.71) J	ND(18) J	ND(6.9) J	ND(0.76) J	ND(37) J
4-Chlorophenyl phenyl ether	ND(0.20) J [ND(0.21) J]	ND(0.19) J	ND(0.18) J	ND(0.18) J	ND(0.18) J	ND(4.6)	ND(1.8)	ND(0.19) J	ND(9.3)
4-Nitroaniline	ND(0.80) [ND(0.82)]	ND(0.74)	ND(0.70)	ND(0.71)	ND(0.71)	ND(18)	ND(6.9)	ND(0.76)	ND(37)
4-Nitrophenol	ND(0.80) [ND(0.82)]	ND(0.74)	ND(0.70)	ND(0.71)	ND(0.71)	ND(18)	ND(6.9)	ND(0.76)	ND(37) J
Acenaphthene	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Acenaphthylene	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Acetophenone	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Atrazine	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Benzo(a)pyrene	ND(0.20) [ND(0.21)]	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Benzo(b)fluoranthene	ND(0.20) [ND(0.21)]	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Benzo(g,h,i)perylene	ND(0.20) [ND(0.21)]	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3) J
Benzo(k)fluoranthene	ND(0.20) [ND(0.21)]	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Biphenyl	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Chloroethoxy)methane	ND(0.20) J [ND(0.21) J]	ND(0.19) J	ND(0.18) J	ND(0.18) J	ND(0.18) J	ND(4.6) J	ND(1.8) J	ND(0.19) J	ND(9.3) J
bis(2-Chloroethyl)ether	ND(0.20) [ND(0.21) J]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19) J	ND(9.3)
bis(2-Chloroisopropyl)ether	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3) J
bis(2-Ethylhexyl)phthalate	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	0.19	ND(9.3) J
Butyl benzylphthalate	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3) J
Caprolactam	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Chrysene	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Di-n-butylphthalate	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Di-n-octyl phthalate	ND(0.20) [ND(0.21)]	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Dibenzo(a,h)anthracene	ND(0.20) [ND(0.21)]	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Dibenzofuran	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Diethyl phthalate	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Dimethyl phthalate	ND(0.20) [ND(0.21) J]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19) J	ND(9.3)
Fluoranthene	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Fluorene	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Hexachlorobenzene	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Hexachlorobutadiene	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Hexachlorocyclopentadiene	ND(0.20) J [ND(0.21) J]	ND(0.19) J	ND(0.18) J	ND(0.18) J	ND(0.18) J	ND(4.6) J	ND(1.8) J	ND(0.19) J	ND(9.3)
Hexachloroethane	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Indeno(1,2,3-cd)pyrene	ND(0.20) [ND(0.21)]	ND(0.19) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6) J	ND(1.8) J	ND(0.19)	ND(9.3) J
Isophorone	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Methylphenols, Total	ND(0.39) [ND(0.40)]	ND(0.36)	ND(0.35)	ND(0.35)	ND(0.35)	ND(9.0)	ND(3.4)	ND(0.37)	ND(18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-04	RFI-36-04	RFI-36-05	RFI-36-05	RFI-36-05	RFI-36-06	RFI-36-06	RFI-36-06	RFI-36-07
Sample Depth(feet):	18-20	8-10	0.8-2	16-18	8-10	0.7-2	16-17	6-8	0.8-2
Date Collected:	12/19/00	12/19/00	12/18/00	12/18/00	12/18/00	12/19/00	12/19/00	12/19/00	12/20/00
N-Nitrosodi-n-propylamine	ND(0.20) J [ND(0.21) J]	ND(0.19) J	ND(0.18) J	ND(0.18) J	ND(0.18) J	ND(4.6)	ND(1.8)	ND(0.19) J	ND(9.3) J
N-Nitrosodiphenylamine	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Naphthalene	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Nitrobenzene	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Pentachlorophenol	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Phenanthrene	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Phenol	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Pyrene	ND(0.20) [ND(0.21)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(4.6)	ND(1.8)	ND(0.19)	ND(9.3)
Inorganics									
Antimony	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	2.7 [2.7]	4.8	3.4	2.5	5.3	3	1.6	8.2(RDC)	4.8 J
Barium	7.3 [6.5]	37	11	11	16	22	3.6	38	19 J
Beryllium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	0.038 [0.046]	0.13	0.095	0.063	0.16	0.18	0.11	0.16	0.15
Chromium	3.5 [4.4]	9.4	6.8	5.9	12	25	1.9	11	13
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	3.6 [4.2]	12	6.1	4.9	12	9	2.2	8.4	8.7
Manganese	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	ND(0.024) [ND(0.024)]	ND(0.022)	ND(0.021)	ND(0.021)	ND(0.021)	ND(0.022)	ND(0.021)	ND(0.022)	ND(0.021)
Nickel	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	ND(0.15) [ND(0.14)]	0.26	ND(0.19)	ND(0.17)	0.45	ND(0.19)	ND(0.14)	0.28	ND(0.17)
Silver	ND(0.37) [ND(0.35)]	ND(0.44)	ND(0.48)	ND(0.44)	ND(0.51)	0.78	ND(0.36)	ND(0.55)	ND(0.42)
Thallium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs									
Aroclor-1016	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1221	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1232	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1242	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1248	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1254	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor-1260	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total PCBs	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-07	RFI-36-07	RFI-36-08	RFI-36-08	RFI-36-09	RFI-36-09	RFI-36-10	RFI-36-10	RFI-36-11
Sample Depth(feet):	12-14	8-10	1-3	7-9	1-3	5-7	1-3	7-9	0.8-2
Date Collected:	12/20/00	12/20/00	07/17/01	07/17/01	07/17/01	07/17/01	07/18/01	07/18/01	12/21/00
Volatiles									
1,1,1-Trichloroethane	ND(2.0)	ND(0.043)	ND(0.044)	ND(0.040) J	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	ND(0.040)
1,1,2,2-Tetrachloroethane	ND(2.0)	ND(0.043)	ND(0.089)	ND(0.081) J	ND(0.077)	ND(0.079) [ND(0.076)]	ND(0.073)	ND(0.076)	ND(0.040)
1,1,2-Trichloroethane	ND(2.0)	ND(0.043)	ND(0.044)	ND(0.040) J	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	ND(0.040)
1,1-Dichloroethane	ND(2.0)	ND(0.043)	ND(0.044)	ND(0.040) J	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	ND(0.040)
1,1-Dichloroethene	ND(2.0)	ND(0.043)	ND(0.044)	ND(0.040) J	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	ND(0.040)
1,2,4-Trichlorobenzene	NS	NS	ND(0.19)	ND(0.17) J	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.16)	ND(0.16)	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	ND(0.19) J	ND(0.17) J	ND(0.16)	ND(0.17) J [ND(0.16) J]	ND(0.16)	ND(0.16)	NS
1,2-Dibromoethane (EDB)	NS	NS	ND(0.19)	ND(0.17) J	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.16)	ND(0.16)	NS
1,2-Dichlorobenzene	NS	NS	ND(0.089)	ND(0.081) J	ND(0.077)	ND(0.079) [ND(0.076)]	ND(0.073)	ND(0.076)	NS
1,2-Dichloroethane	ND(2.0)	ND(0.043)	ND(0.044)	ND(0.040) J	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	ND(0.040)
1,2-Dichloroethene (total)	ND(4.0)	ND(0.086)	NS	NS	NS	NS	NS	NS	ND(0.080)
1,2-Dichloropropane	ND(2.0)	ND(0.043)	ND(0.044)	ND(0.040) J	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	ND(0.040)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	ND(0.089)	ND(0.081) J	ND(0.077)	ND(0.079) [ND(0.076)]	ND(0.073)	ND(0.076)	NS
1,4-Dichlorobenzene	NS	NS	ND(0.089)	ND(0.081) J	ND(0.077)	ND(0.079) [ND(0.076)]	ND(0.073)	ND(0.076)	NS
2-Butanone	ND(14)	ND(0.31)	ND(0.32)	ND(0.29) J	0.033 J	ND(0.28) [ND(0.27)]	0.029 J	ND(0.27)	ND(0.28)
2-Hexanone	ND(8.5)	ND(0.18)	ND(0.32)	ND(0.29) J	ND(0.27)	ND(0.28) [ND(0.27)]	ND(0.26)	ND(0.27)	ND(0.17)
4-Methyl-2-pentanone	ND(8.5)	ND(0.18)	ND(0.32)	ND(0.29) J	ND(0.27)	ND(0.28) [ND(0.27)]	ND(0.26)	ND(0.27)	ND(0.17)
Acetone	ND(14)	ND(0.40)	ND(0.32)	ND(0.29) J	ND(0.30)	ND(0.28) [ND(0.27)]	ND(0.26)	ND(0.30)	ND(0.36)
Benzene	240(RVSICI,RSVIA,RDC,IVSICI,ISVIA)	ND(0.043)	ND(0.044)	1.4 J	1.9(RSVIA)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	ND(0.040)
Benzene, isopropyl	NS	NS	ND(0.19)	3.0 J	0.19	ND(0.17) [ND(0.16)]	ND(0.16)	ND(0.16)	NS
Bromodichloromethane	ND(2.0)	ND(0.043)	ND(0.089)	ND(0.081) J	ND(0.077)	ND(0.079) [ND(0.076)]	ND(0.073)	ND(0.076)	ND(0.040)
Bromoform	ND(2.0)	ND(0.043)	ND(0.089)	ND(0.081) J	ND(0.077)	ND(0.079) [ND(0.076)]	ND(0.073)	ND(0.076)	ND(0.040)
Bromomethane	ND(8.5)	ND(0.18)	ND(0.19)	ND(0.17) J	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.17)
Carbon disulfide	ND(8.5)	ND(0.18)	ND(0.19)	ND(0.17) J	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.17)
Carbon tetrachloride	ND(2.0)	ND(0.043)	ND(0.044)	ND(0.040) J	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	ND(0.040)
Chlorobenzene	2	ND(0.043)	ND(0.044)	ND(0.040) J	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	ND(0.040)
Chloroethane	ND(8.5)	ND(0.18)	ND(0.19)	ND(0.17) J	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.17)
Chloroform	ND(2.0)	ND(0.043)	ND(0.044)	ND(0.040) J	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	ND(0.040)
Chloromethane	ND(8.5)	ND(0.18)	ND(0.19)	ND(0.17) J	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.17)
cis-1,2-Dichloroethene	ND(2.0)	ND(0.043)	ND(0.044)	ND(0.040) J	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	ND(0.040)
cis-1,3-Dichloropropene	ND(2.0)	ND(0.043)	ND(0.044)	ND(0.040) J	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	ND(0.040)
Cyclohexane	NS	NS	ND(0.19)	ND(0.17) J	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.16)	ND(0.16)	NS
Dibromochloromethane	ND(2.0)	ND(0.043)	ND(0.089)	ND(0.081) J	ND(0.077)	ND(0.079) [ND(0.076)]	ND(0.073)	ND(0.076)	ND(0.040)
Dichlorodifluoromethane (CFC-12)	NS	NS	ND(0.089)	ND(0.081) J	ND(0.077)	ND(0.079) [ND(0.076)]	ND(0.073)	ND(0.076)	NS
Ethylbenzene	680 D(RSVIA,RDC,ISVIA,IDC)	ND(0.043)	ND(0.044)	25 D	2.9	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	ND(0.040)
m&p-Xylene	1,800 D	ND(0.086)	0.038 J	63 D	0.57	ND(0.079) [ND(0.076)]	ND(0.073)	ND(0.076)	ND(0.080)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-07	RFI-36-07	RFI-36-08	RFI-36-08	RFI-36-09	RFI-36-09	RFI-36-10	RFI-36-10	RFI-36-11
Sample Depth(feet):	12-14	8-10	1-3	7-9	1-3	5-7	1-3	7-9	0.8-2
Date Collected:	12/20/00	12/20/00	07/17/01	07/17/01	07/17/01	07/17/01	07/18/01	07/18/01	12/21/00
Methyl acetate	NS	NS	0.093 J	ND(0.17) J	ND(0.16)	ND(0.17) [ND(0.16)]	0.21	ND(0.16)	NS
Methyl Tert Butyl Ether	NS	NS	ND(0.32)	ND(0.29) J	ND(0.27)	ND(0.28) [ND(0.27)]	ND(0.26)	ND(0.27)	NS
Methylcyclohexane	NS	NS	ND(0.19)	15 D	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.16)	ND(0.16)	NS
Methylene chloride	ND(8.5)	ND(0.18)	ND(0.19) J	0.064 J	ND(0.16)	ND(0.17) [ND(0.16) J]	ND(0.16)	ND(0.16)	ND(0.17)
o-Xylene	680 D	ND(0.043)	ND(0.044)	24 D	0.084	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	ND(0.040)
Styrene	ND(2.0)	ND(0.043)	ND(0.044)	ND(0.040) J	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	ND(0.040)
Tetrachloroethene	ND(2.0)	ND(0.043)	ND(0.044)	ND(0.040) J	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	ND(0.040)
Toluene	4,100 D(RVSICI,RSVIA,RDC,IVSICI,ISVIA,IDC)	0.19	ND(0.044)	25 D	0.13	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	ND(0.040)
trans-1,2-Dichloroethene	ND(2.0)	ND(0.043)	ND(0.044)	ND(0.040) J	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	ND(0.040)
trans-1,3-Dichloropropene	ND(2.0)	ND(0.043)	ND(0.044)	ND(0.040) J	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	ND(0.040)
Trichloroethene	ND(2.0)	ND(0.043)	ND(0.044)	ND(0.040) J	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	ND(0.040)
Trichlorofluoromethane (CFC-11)	NS	NS	ND(0.089)	ND(0.081) J	ND(0.077)	ND(0.079) [ND(0.076)]	ND(0.073)	ND(0.076)	NS
Trifluorotrichloroethane (Freon 113)	NS	NS	ND(0.19)	ND(0.17) J	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.16)	ND(0.16)	NS
Vinyl chloride	ND(2.0)	ND(0.043)	ND(0.044)	ND(0.040) J	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	ND(0.040)
Xylenes (total)	2,500(RSVIA,RDC,ISVIA,IDC)	ND(0.086)	0.038	87	0.65	ND(0.079) [ND(0.076)]	ND(0.073)	ND(0.076)	ND(0.080)
Semivolatiles									
1,2,4-Trichlorobenzene	ND(38)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.18)
1,2-Dichlorobenzene	ND(38)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.18)
1,3-Dichlorobenzene	ND(38)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.18)
1,4-Dichlorobenzene	ND(38)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.18)
2,4,5-Trichlorophenol	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
2,4,6-Trichlorophenol	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
2,4-Dichlorophenol	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
2,4-Dimethylphenol	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
2,4-Dinitrophenol	ND(150) J	ND(0.70) J	ND(0.85)	ND(0.79)	ND(0.73)	ND(0.76) [ND(0.73)]	ND(0.69)	ND(0.72)	ND(0.72)
2,4-Dinitrotoluene	ND(38)	ND(0.18)	ND(0.85)	ND(0.79)	ND(0.73)	ND(0.76) [ND(0.73)]	ND(0.69)	ND(0.72)	ND(0.18)
2,6-Dinitrotoluene	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
2-Chloronaphthalene	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
2-Chlorophenol	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
2-Methyl naphthalene	ND(38)	ND(0.18)	ND(0.21)	1.9	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
2-Methylphenol	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
2-Nitroaniline	ND(150)	ND(0.70)	ND(0.85)	ND(0.79)	ND(0.73)	ND(0.76) [ND(0.73)]	ND(0.69)	ND(0.72)	ND(0.72)
2-Nitrophenol	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
3&4-Methylphenol	ND(73)	ND(0.35)	ND(0.43) J	ND(0.40) J	ND(0.37) J	ND(0.38) [ND(0.37)]	ND(0.35) J	ND(0.37) J	ND(0.36)
3,3-Dichlorobenzidine	ND(150) J	ND(0.70) J	ND(0.85)	ND(0.79)	ND(0.73)	ND(0.76) [ND(0.73)]	ND(0.69)	ND(0.72)	ND(0.72) J
3-Nitroaniline	ND(150)	ND(0.70)	ND(0.85)	ND(0.79)	ND(0.73)	ND(0.76) [ND(0.73)]	ND(0.69)	ND(0.72)	ND(0.72)
4,6-Dinitro-2-methylphenol	ND(150)	ND(0.70)	ND(0.85)	ND(0.79)	ND(0.73)	ND(0.76) [ND(0.73)]	ND(0.69)	ND(0.72)	ND(0.72)
4-Bromophenyl phenyl ether	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
4-Chloro-3-methylphenol	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-07	RFI-36-07	RFI-36-08	RFI-36-08	RFI-36-09	RFI-36-09	RFI-36-10	RFI-36-10	RFI-36-11
Sample Depth(feet):	12-14	8-10	1-3	7-9	1-3	5-7	1-3	7-9	0.8-2
Date Collected:	12/20/00	12/20/00	07/17/01	07/17/01	07/17/01	07/17/01	07/18/01	07/18/01	12/21/00
4-Chloroaniline	ND(150) J	ND(0.70) J	ND(0.85)	ND(0.79)	ND(0.73)	ND(0.76) [ND(0.73)]	ND(0.69)	ND(0.72)	ND(0.72) J
4-Chlorophenyl phenyl ether	ND(38)	ND(0.18)	ND(0.85) J	ND(0.79) J	ND(0.73) J	ND(0.76) J [ND(0.73) J]	ND(0.69) J	ND(0.72) J	ND(0.18)
4-Nitroaniline	ND(150)	ND(0.70)	ND(0.85)	ND(0.79)	ND(0.73)	ND(0.76) [ND(0.73)]	ND(0.69)	ND(0.72)	ND(0.72)
4-Nitrophenol	ND(150) J	ND(0.70) J	ND(0.85)	ND(0.79)	ND(0.73)	ND(0.76) [ND(0.73)]	ND(0.69)	ND(0.72)	ND(0.72) J
Acenaphthene	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Acenaphthylene	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Acetophenone	NS	NS	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	NS
Anthracene	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Atrazine	NS	NS	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	NS
Benzaldehyde	NS	NS	ND(0.21)	ND(0.20) J	0.12 J	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	NS
Benzo(a)anthracene	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	0.039 J	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Benzo(a)pyrene	ND(38)	ND(0.18)	ND(0.21)	ND(0.20) J	0.053 J	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Benzo(b)fluoranthene	ND(38)	ND(0.18)	ND(0.21)	ND(0.20) J	0.052 J	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Benzo(g,h,i)perylene	ND(38) J	ND(0.18) J	ND(0.21)	ND(0.20) J	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18) J
Benzo(k)fluoranthene	ND(38)	ND(0.18)	ND(0.21)	ND(0.20) J	0.050 J	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Biphenyl	NS	NS	ND(0.21)	0.060 J	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	NS
bis(2-Chloroethoxy)methane	ND(38) J	ND(0.18) J	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18) J
bis(2-Chloroethyl)ether	ND(38)	ND(0.18)	ND(0.042)	ND(0.039)	ND(0.036)	ND(0.037) [ND(0.036)]	ND(0.034)	ND(0.035)	ND(0.18)
bis(2-Chloroisopropyl)ether	ND(38) J	ND(0.18) J	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18) J
bis(2-Ethylhexyl)phthalate	ND(38) J	ND(0.18) J	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Butyl benzylphthalate	ND(38) J	ND(0.18) J	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Caprolactam	NS	NS	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	NS
Carbazole	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Chrysene	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	0.049 J	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Di-n-butylphthalate	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Di-n-octyl phthalate	ND(38)	0.24	ND(0.21)	ND(0.20) J	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	0.19
Dibenzo(a,h)anthracene	ND(38)	ND(0.18)	ND(0.21)	ND(0.20) J	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Dibenzofuran	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Diethyl phthalate	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	0.14 J	0.064 J	ND(0.18)
Dimethyl phthalate	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Fluoranthene	ND(38)	ND(0.18)	ND(0.21)	0.052 J	0.064 J	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Fluorene	ND(38)	ND(0.18)	ND(0.21)	0.075 J	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Hexachlorobenzene	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Hexachlorobutadiene	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Hexachlorocyclopentadiene	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Hexachloroethane	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Indeno(1,2,3-cd)pyrene	ND(38) J	ND(0.18) J	ND(0.21)	ND(0.20) J	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18) J
Isophorone	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Methylphenols, Total	ND(73)	ND(0.35)	ND(0.43)	ND(0.40)	ND(0.37)	ND(0.38) [ND(0.37)]	ND(0.35)	ND(0.37)	ND(0.36)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-07	RFI-36-07	RFI-36-08	RFI-36-08	RFI-36-09	RFI-36-09	RFI-36-10	RFI-36-10	RFI-36-11
Sample Depth(feet):	12-14	8-10	1-3	7-9	1-3	5-7	1-3	7-9	0.8-2
Date Collected:	12/20/00	12/20/00	07/17/01	07/17/01	07/17/01	07/17/01	07/18/01	07/18/01	12/21/00
N-Nitrosodi-n-propylamine	ND(38) J	ND(0.18) J	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
N-Nitrosodiphenylamine	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Naphthalene	44 D	ND(0.18)	ND(0.21)	3.2	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Nitrobenzene	ND(38)	ND(0.18)	ND(0.085)	ND(0.079)	ND(0.073)	ND(0.076) [ND(0.073)]	ND(0.069)	ND(0.072)	ND(0.18)
Pentachlorophenol	ND(38)	ND(0.18)	ND(0.85)	ND(0.79)	ND(0.73)	ND(0.76) [ND(0.73)]	ND(0.69)	ND(0.72)	ND(0.18)
Phenanthrene	ND(38)	ND(0.18)	ND(0.21)	0.12 J	0.048 J	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Phenol	ND(38)	ND(0.18)	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Pyrene	ND(38)	ND(0.18)	ND(0.21)	0.086 J	0.060 J	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)
Inorganics									
Antimony	NS	NS	0.28 R	0.25 R	0.22 R	0.24 R [0.25 R]	0.19 R	0.20 R	NS
Arsenic	3.8 J	3.0 J	4	5.7	5.3	5.5 [6.2]	3.7	3.6	7.7 J(RDC)
Barium	12 J	7.8 J	19	30	52	12 [14]	8.6	11	38 J
Beryllium	NS	NS	0.16	0.22	0.26	0.15 [0.18]	0.1	0.12	NS
Cadmium	0.16	0.079	0.12	0.75	0.27	0.14 [0.13]	0.12	0.1	0.23
Chromium	7	3.8	11	12	19	5.3 [7.5]	5.1	4.9	67
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	3.2	4.3	4	2.8 [3.1]	2.3	2.1	NS
Copper	NS	NS	14	390	59	9.3 [11]	7.5	5.7	NS
Cyanide (total)	NS	NS	0.047 J	0.041 J	0.42	ND(0.20) [ND(0.20)]	0.019 J	0.030 J	NS
Lead	4.8	3.5	6.4	47	22	6.1 [8.9]	4.8	4.1	29
Manganese	NS	NS	200 J	430 J	230 J	100 J [99 J]	140 J	140 J	NS
Mercury	ND(0.022)	ND(0.020)	0.033 J	0.030 J	0.048 J	0.021 J [0.018 J]	0.017 J	0.028 J	ND(0.021)
Nickel	NS	NS	11	14	16	8.7 [8.3]	7.6	5.8	NS
Selenium	0.19	ND(0.18)	0.28 J	0.4	0.42	0.25 J [0.62 J]	0.23 J	0.24 J	0.33
Silver	2.4	ND(0.44)	0.056 J	0.31	0.073 J	0.021 J [0.030 J]	0.021 J	0.016 J	0.66
Thallium	NS	NS	0.062 J	0.090 J	0.078 J	0.069 J [0.063 J]	0.068 J	0.048 J	NS
Vanadium	NS	NS	11	16	16	12 [19]	7.9	7.7	NS
Zinc	NS	NS	28	140	68	34 [42]	30	22	NS
PCBs									
Aroclor-1016	NS	NS	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	NS
Aroclor-1221	NS	NS	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	NS
Aroclor-1232	NS	NS	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	NS
Aroclor-1242	NS	NS	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	NS
Aroclor-1248	NS	NS	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	NS
Aroclor-1254	NS	NS	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	NS
Aroclor-1260	NS	NS	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	NS
Total PCBs	NS	NS	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.040) [ND(0.038)]	ND(0.036)	ND(0.038)	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-11	RFI-36-11	RFI-36-12	RFI-36-12	RFI-36-13	RFI-36-13	RFI-36-13	RFI-36-14	RFI-36-14	RFI-36-15	RFI-36-15	RFI-36-15	RFI-36-16
Sample Depth(feet):	10-12	8-10	0.8-2	8-10	1-3	5-7	9-11	0-2	6-8	0.8-2	14-16	8-10	0.9-2
Date Collected:	12/21/00	12/21/00	12/20/00	12/20/00	07/27/01	07/27/01	07/27/01	07/16/01	07/16/01	12/20/00	12/20/00	12/20/00	12/19/00
Volatiles													
1,1,1-Trichloroethane	0.078	ND(0.044)	0.35	ND(0.049)	ND(0.039)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.035)	ND(0.041)	ND(0.036)	ND(0.034)
1,1,2,2-Tetrachloroethane	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	ND(0.077)	ND(0.084)	ND(0.084)	ND(0.078)	ND(0.083)	ND(0.035)	ND(0.041)	ND(0.036)	ND(0.034)
1,1,2-Trichloroethane	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	ND(0.039)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.035)	ND(0.041)	ND(0.036)	ND(0.034)
1,1-Dichloroethane	ND(0.038)	ND(0.044)	1.4	ND(0.049)	ND(0.039)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.035)	0.057	ND(0.036)	0.066
1,1-Dichloroethene	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	ND(0.039)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.035)	ND(0.041)	ND(0.036)	ND(0.034)
1,2,4-Trichlorobenzene	NS	NS	NS	NS	ND(0.17) J	ND(0.18)	ND(0.18) J	ND(0.17)	ND(0.18)	NS	NS	NS	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NS	NS	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17) J	ND(0.18) J	NS	NS	NS	NS
1,2-Dibromoethane (EDB)	NS	NS	NS	NS	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.18)	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	ND(0.077)	ND(0.084)	ND(0.084)	ND(0.078)	ND(0.083)	NS	NS	NS	NS
1,2-Dichloroethane	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	ND(0.039)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.035)	ND(0.041)	ND(0.036)	ND(0.034)
1,2-Dichloroethene (total)	ND(0.077)	ND(0.089)	ND(0.080)	ND(0.098)	NS	NS	NS	NS	NS	ND(0.070)	ND(0.082)	ND(0.071)	ND(0.068)
1,2-Dichloropropane	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	ND(0.039)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.035)	ND(0.041)	ND(0.036)	ND(0.034)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	ND(0.077)	ND(0.084)	ND(0.084)	ND(0.078)	ND(0.083)	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	ND(0.077)	ND(0.084)	ND(0.084)	ND(0.078)	ND(0.083)	NS	NS	NS	NS
2-Butanone	ND(0.27)	ND(0.32)	ND(0.28)	ND(0.35)	ND(0.28)	ND(0.30)	ND(0.30)	ND(0.28)	ND(0.30)	ND(0.25)	ND(0.29)	ND(0.25)	ND(0.24)
2-Hexanone	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.21)	ND(0.28)	ND(0.30)	ND(0.30)	ND(0.28)	ND(0.30)	ND(0.15)	ND(0.18)	ND(0.15)	ND(0.15)
4-Methyl-2-pentanone	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.21)	ND(0.28)	ND(0.30)	ND(0.30)	ND(0.28)	ND(0.30)	ND(0.15)	ND(0.18) J	ND(0.15)	ND(0.15)
Acetone	ND(0.32)	ND(0.41)	ND(0.37)	ND(0.43)	ND(0.28) J	ND(0.30)	ND(0.30) J	ND(0.28)	ND(0.30)	ND(0.30)	ND(0.42) J	ND(0.31)	ND(0.24)
Benzene	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	ND(0.039)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.035)	ND(0.041)	ND(0.036)	ND(0.034)
Benzene, isopropyl	NS	NS	NS	NS	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.18)	NS	NS	NS	NS
Bromodichloromethane	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	ND(0.077)	ND(0.084)	ND(0.084)	ND(0.078)	ND(0.083)	ND(0.035)	ND(0.041)	ND(0.036)	ND(0.034)
Bromoform	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	ND(0.077)	ND(0.084)	ND(0.084)	ND(0.078)	ND(0.083)	ND(0.035)	ND(0.041) J	ND(0.036)	ND(0.034)
Bromomethane	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.21)	ND(0.17)	ND(0.18) J	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.15)	ND(0.18)	ND(0.15)	ND(0.15)
Carbon disulfide	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.15)	ND(0.18)	ND(0.15)	ND(0.15)
Carbon tetrachloride	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	ND(0.039)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.035)	ND(0.041) J	ND(0.036)	ND(0.034)
Chlorobenzene	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	ND(0.039)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.035)	ND(0.041)	ND(0.036)	ND(0.034)
Chloroethane	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.21)	ND(0.17)	ND(0.18) J	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.15)	ND(0.18)	ND(0.15)	ND(0.15)
Chloroform	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	ND(0.039)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.035)	ND(0.041)	ND(0.036)	ND(0.034)
Chloromethane	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.15)	ND(0.18)	ND(0.15)	ND(0.15)
cis-1,2-Dichloroethene	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	ND(0.039)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.035)	ND(0.041)	ND(0.036)	3.1
cis-1,3-Dichloropropene	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	ND(0.039)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.035)	ND(0.041) J	ND(0.036)	ND(0.034)
Cyclohexane	NS	NS	NS	NS	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.18)	NS	NS	NS	NS
Dibromochloromethane	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	ND(0.077)	ND(0.084)	ND(0.084)	ND(0.078)	ND(0.083)	ND(0.035)	ND(0.041)	ND(0.036)	ND(0.034)
Dichlorodifluoromethane (CFC-12)	NS	NS	NS	NS	ND(0.077)	ND(0.084)	ND(0.084)	ND(0.078)	ND(0.083)	NS	NS	NS	NS
Ethylbenzene	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	ND(0.039)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.035)	ND(0.041)	ND(0.036)	ND(0.034)
m&p-Xylene	ND(0.077)	ND(0.089)	ND(0.080)	ND(0.098)	0.050 J	ND(0.084)	ND(0.084)	ND(0.078)	ND(0.083)	ND(0.070)	ND(0.082)	ND(0.071)	ND(0.068)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-11	RFI-36-11	RFI-36-12	RFI-36-12	RFI-36-13	RFI-36-13	RFI-36-13	RFI-36-14	RFI-36-14	RFI-36-15	RFI-36-15	RFI-36-15	RFI-36-16
Sample Depth(feet):	10-12	8-10	0.8-2	8-10	1-3	5-7	9-11	0-2	6-8	0.8-2	14-16	8-10	0.9-2
Date Collected:	12/21/00	12/21/00	12/20/00	12/20/00	07/27/01	07/27/01	07/27/01	07/16/01	07/16/01	12/20/00	12/20/00	12/20/00	12/19/00
Methyl acetate	NS	NS	NS	NS	0.061 J	0.080 J	ND(0.18)	0.031 J	ND(0.18)	NS	NS	NS	NS
Methyl Tert Butyl Ether	NS	NS	NS	NS	ND(0.28)	ND(0.30)	ND(0.30)	ND(0.28)	ND(0.30)	NS	NS	NS	NS
Methylcyclohexane	NS	NS	NS	NS	0.13 J	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.18)	NS	NS	NS	NS
Methylene chloride	ND(0.16)	ND(0.19)	ND(0.17)	ND(0.21)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17) J	ND(0.18) J	ND(0.15)	ND(0.18)	ND(0.15)	ND(0.15)
o-Xylene	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	0.032 J	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.035)	ND(0.041)	ND(0.036)	ND(0.034)
Styrene	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	ND(0.039)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.035)	ND(0.041)	ND(0.036)	ND(0.034)
Tetrachloroethene	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	ND(0.039)	ND(0.042) J	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.035)	ND(0.041) J	ND(0.036)	ND(0.034) J
Toluene	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	0.033 J	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.035)	ND(0.041)	ND(0.036)	0.31
trans-1,2-Dichloroethene	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	ND(0.039)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.035)	ND(0.041)	ND(0.036)	0.11
trans-1,3-Dichloropropene	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	ND(0.039)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.035)	ND(0.041) J	ND(0.036)	ND(0.034)
Trichloroethene	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	ND(0.039)	0.030 J	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.035)	0.12	ND(0.036)	1.5
Trichlorofluoromethane (CFC-11)	NS	NS	NS	NS	ND(0.077)	ND(0.084)	ND(0.084)	ND(0.078)	ND(0.083)	NS	NS	NS	NS
Trifluorotrichloroethane (Freon 113)	NS	NS	NS	NS	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.18)	NS	NS	NS	NS
Vinyl chloride	ND(0.038)	ND(0.044)	ND(0.040)	ND(0.049)	ND(0.039)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.035)	ND(0.041)	ND(0.036)	ND(0.034)
Xylenes (total)	ND(0.077)	ND(0.089)	ND(0.080)	ND(0.098)	0.082	ND(0.084)	ND(0.084)	ND(0.078)	ND(0.083)	ND(0.070)	ND(0.082)	ND(0.071)	ND(0.068)
Semivolatiles													
1,2,4-Trichlorobenzene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	NS	NS	NS	NS	NS	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
1,2-Dichlorobenzene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	NS	NS	NS	NS	NS	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
1,3-Dichlorobenzene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	NS	NS	NS	NS	NS	ND(3.6)	ND(4.1) J	ND(0.18)	ND(1.8)
1,4-Dichlorobenzene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	NS	NS	NS	NS	NS	ND(3.6)	ND(4.1) J	ND(0.18)	ND(1.8)
2,4,5-Trichlorophenol	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
2,4,6-Trichlorophenol	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
2,4-Dichlorophenol	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1) J	ND(0.18)	ND(1.8)
2,4-Dimethylphenol	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
2,4-Dinitrophenol	ND(0.82)	ND(0.72) J	ND(7.4) J	ND(0.77) J	ND(0.73)	ND(0.80)	ND(0.81)	ND(0.76)	ND(0.79)	ND(14)	ND(16)	ND(0.71)	7.2 R
2,4-Dinitrotoluene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.73)	ND(0.80)	ND(0.81)	ND(0.76)	ND(0.79)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
2,6-Dinitrotoluene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1) J	ND(0.18)	ND(1.8)
2-Chloronaphthalene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
2-Chlorophenol	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
2-Methyl naphthalene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	0.21	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
2-Methylphenol	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
2-Nitroaniline	ND(0.82)	ND(0.72)	ND(7.4)	ND(0.77)	ND(0.73)	ND(0.80)	ND(0.81)	ND(0.76)	ND(0.79)	ND(14)	16 R	ND(0.71)	ND(7.2)
2-Nitrophenol	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
3&4-Methylphenol	ND(0.40)	ND(0.36)	ND(3.6)	ND(0.38)	ND(0.37) J	ND(0.41) J	ND(0.41) J	ND(0.38) J	ND(0.40) J	ND(6.9)	ND(8.0)	ND(0.35)	ND(3.5)
3,3-Dichlorobenzidine	ND(0.82) J	ND(0.72) J	ND(7.4) J	ND(0.77) J	ND(0.73)	ND(0.80)	ND(0.81)	ND(0.76) J	ND(0.79)	ND(14) J	ND(16) J	ND(0.71) J	ND(7.2)
3-Nitroaniline	ND(0.82)	ND(0.72)	ND(7.4)	ND(0.77)	ND(0.73)	ND(0.80)	ND(0.81)	ND(0.76)	ND(0.79)	ND(14)	16 R	ND(0.71)	ND(7.2)
4,6-Dinitro-2-methylphenol	ND(0.82)	ND(0.72)	ND(7.4)	ND(0.77)	ND(0.73)	ND(0.80)	ND(0.81)	ND(0.76) J	ND(0.79)	ND(14)	ND(16)	ND(0.71)	ND(7.2)
4-Bromophenyl phenyl ether	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19) J	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
4-Chloro-3-methylphenol	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-11	RFI-36-11	RFI-36-12	RFI-36-12	RFI-36-13	RFI-36-13	RFI-36-13	RFI-36-14	RFI-36-14	RFI-36-15	RFI-36-15	RFI-36-15	RFI-36-16
Sample Depth(feet):	10-12	8-10	0.8-2	8-10	1-3	5-7	9-11	0-2	6-8	0.8-2	14-16	8-10	0.9-2
Date Collected:	12/21/00	12/21/00	12/20/00	12/20/00	07/27/01	07/27/01	07/27/01	07/16/01	07/16/01	12/20/00	12/20/00	12/20/00	12/19/00
4-Chloroaniline	ND(0.82)	ND(0.72)	ND(7.4) J	ND(0.77) J	ND(0.73)	ND(0.80)	ND(0.81)	ND(0.76)	ND(0.79)	ND(14) J	ND(16) J	ND(0.71) J	ND(7.2) J
4-Chlorophenyl phenyl ether	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.73) J	ND(0.80) J	ND(0.81) J	ND(0.76)	ND(0.79)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
4-Nitroaniline	ND(0.82)	ND(0.72)	ND(7.4)	ND(0.77)	ND(0.73)	ND(0.80)	ND(0.81)	ND(0.76)	ND(0.79)	ND(14)	ND(16)	ND(0.71)	ND(7.2)
4-Nitrophenol	ND(0.82)	ND(0.72)	ND(7.4) J	ND(0.77) J	ND(0.73)	ND(0.80)	ND(0.81)	ND(0.76)	ND(0.79)	ND(14) J	ND(16) J	ND(0.71) J	ND(7.2)
Acenaphthene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	0.16 J	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Acenaphthylene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	0.29	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Acetophenone	NS	NS	NS	NS	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	NS	NS
Anthracene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	0.71	ND(0.20)	ND(0.21)	0.046 J	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Atrazine	NS	NS	NS	NS	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19) J	ND(0.20)	NS	NS	NS	NS
Benzaldehyde	NS	NS	NS	NS	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19) J	ND(0.20) J	NS	NS	NS	NS
Benzo(a)anthracene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	2.6	ND(0.20)	ND(0.21)	0.18 J	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Benzo(a)pyrene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	2.8 J(RDC)	ND(0.20)	ND(0.21)	0.29 J	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Benzo(b)fluoranthene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	3.3 J	ND(0.20)	ND(0.21)	0.32 J	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Benzo(g,h,i)perylene	ND(0.21)	ND(0.18) J	ND(1.9) J	ND(0.20) J	1.4 J	ND(0.20)	ND(0.21)	0.50 J	ND(0.20)	ND(3.6) J	ND(4.1) J	ND(0.18) J	ND(1.8)
Benzo(k)fluoranthene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	2.5 J	ND(0.20)	ND(0.21)	0.24 J	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Biphenyl	NS	NS	NS	NS	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	NS	NS
bis(2-Chloroethoxy)methane	ND(0.21) J	ND(0.18) J	ND(1.9) J	ND(0.20) J	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6) J	ND(4.1) J	ND(0.18) J	ND(1.8) J
bis(2-Chloroethyl)ether	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.036)	ND(0.039)	ND(0.040)	ND(0.037)	ND(0.039)	ND(3.6)	ND(4.1) J	ND(0.18)	ND(1.8)
bis(2-Chloroisopropyl)ether	ND(0.21) J	ND(0.18) J	ND(1.9) J	ND(0.20) J	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6) J	ND(4.1) J	ND(0.18) J	ND(1.8)
bis(2-Ethylhexyl)phthalate	ND(0.21)	ND(0.18)	ND(1.9) J	ND(0.20) J	0.060 J	ND(0.20)	ND(0.21)	8.8 D	0.11 J	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Butyl benzylphthalate	ND(0.21)	ND(0.18)	ND(1.9) J	ND(0.20) J	ND(0.19)	ND(0.20)	ND(0.21)	5.9 D	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Caprolactam	NS	NS	NS	NS	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	NS	NS	NS	NS
Carbazole	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	0.13 J	ND(0.20)	ND(0.21)	ND(0.19) J	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Chrysene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	2.7	ND(0.20)	ND(0.21)	0.24 J	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Di-n-butylphthalate	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	0.16 J	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Di-n-octyl phthalate	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19) J	ND(0.20)	ND(0.21)	ND(0.19) J	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Dibenzo(a,h)anthracene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19) J	ND(0.20)	ND(0.21)	ND(0.19) J	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Dibenzofuran	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Diethyl phthalate	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	0.056 J	ND(0.20)	ND(0.21)	0.15 J	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Dimethyl phthalate	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Fluoranthene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	3.8	ND(0.20)	ND(0.21)	0.26 J	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Fluorene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	0.42	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Hexachlorobenzene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Hexachlorobutadiene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Hexachlorocyclopentadiene	ND(0.21) J	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8) J
Hexachloroethane	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Indeno(1,2,3-cd)pyrene	ND(0.21)	ND(0.18)	ND(1.9) J	ND(0.20) J	1.3 J	ND(0.20)	ND(0.21)	0.39 J	ND(0.20)	ND(3.6) J	ND(4.1) J	ND(0.18) J	ND(1.8) J
Isophorone	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Methylphenols, Total	ND(0.40)	ND(0.36)	ND(3.6)	ND(0.38)	ND(0.37)	ND(0.41)	ND(0.41)	ND(0.38)	ND(0.40)	ND(6.9)	ND(8.0)	ND(0.35)	ND(3.5)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-11	RFI-36-11	RFI-36-12	RFI-36-12	RFI-36-13	RFI-36-13	RFI-36-13	RFI-36-14	RFI-36-14	RFI-36-15	RFI-36-15	RFI-36-15	RFI-36-16
Sample Depth(feet):	10-12	8-10	0.8-2	8-10	1-3	5-7	9-11	0-2	6-8	0.8-2	14-16	8-10	0.9-2
Date Collected:	12/21/00	12/21/00	12/20/00	12/20/00	07/27/01	07/27/01	07/27/01	07/16/01	07/16/01	12/20/00	12/20/00	12/20/00	12/19/00
N-Nitrosodi-n-propylamine	ND(0.21) J	ND(0.18)	ND(1.9) J	ND(0.20) J	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
N-Nitrosodiphenylamine	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19) J	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Naphthalene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	0.11 J	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Nitrobenzene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.073)	ND(0.080)	ND(0.081)	ND(0.076)	ND(0.079)	ND(3.6)	ND(4.1) J	ND(0.18)	ND(1.8)
Pentachlorophenol	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.73)	ND(0.80)	ND(0.81)	ND(0.76) J	ND(0.79)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Phenanthrene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	2.7	ND(0.20)	ND(0.21)	0.16 J	ND(0.20)	ND(3.6)	16 D	ND(0.18)	ND(1.8)
Phenol	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Pyrene	ND(0.21)	ND(0.18)	ND(1.9)	ND(0.20)	3.9 D	ND(0.20)	ND(0.21)	0.47 J	ND(0.20)	ND(3.6)	ND(4.1)	ND(0.18)	ND(1.8)
Inorganics													
Antimony	NS	NS	NS	NS	0.16 J	ND(0.21) J	ND(0.24) J	0.056 J	0.26 R	NS	NS	NS	NS
Arsenic	3.7 J	4.6 J	2.6 J	5.1 J	4.1	2.8	3.4	5.8	5.2	4.0 J	39 J(RDC)	3.3 J	3.2
Barium	3.9 J	10 J	32 J	12 J	34 J	42 J	6.3 J	110	19	15 J	120 J	13 J	30
Beryllium	NS	NS	NS	NS	0.38	0.3	0.12	0.34	0.16	NS	NS	NS	NS
Cadmium	0.12	0.17	0.13	0.19	0.18	0.068	0.063	1.4	0.083	0.08	0.085	0.067	0.21
Chromium	12	5	20	6.1	22 J	10 J	4.0 J	81	6.9	7.5	7.3	6.3	32
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	3.3	3.7	2.2	4.2	2.7	NS	NS	NS	NS
Copper	NS	NS	NS	NS	19 J	4.6 J	3.9 J	100	8.7	NS	NS	NS	NS
Cyanide (total)	NS	NS	NS	NS	ND(0.20)	ND(0.20)	ND(0.20)	0.5	ND(0.20)	NS	NS	NS	NS
Lead	4.5	4.4	22	5.2	94	7.4	2.6	120	4.8	12	4.3	9.7	19
Manganese	NS	NS	NS	NS	260	72	92	750 J	150 J	NS	NS	NS	NS
Mercury	ND(0.024)	ND(0.022)	ND(0.021)	ND(0.024)	0.037 J	0.023 J	ND(0.080)	0.11	0.027 J	ND(0.021)	ND(0.024)	ND(0.021)	ND(0.021)
Nickel	NS	NS	NS	NS	13 J	7.6 J	5.0 J	31	8.3	NS	NS	NS	NS
Selenium	0.25	ND(0.16)	0.23	ND(0.21)	0.43	0.13	0.19	0.88	0.48	ND(0.21)	0.23	ND(0.19)	0.25
Silver	ND(0.45)	ND(0.41)	ND(0.54)	ND(0.54)	0.031 J	0.0081 J	ND(0.23)	0.31	0.053 J	ND(0.52)	ND(0.44)	ND(0.47)	ND(0.42)
Thallium	NS	NS	NS	NS	0.13 J	0.15 J	0.069 J	0.20 J	0.081 J	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	13	20	6.8	14	13	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	29	29	16	180	33	NS	NS	NS	NS
PCBs													
Aroclor-1016	NS	NS	NS	NS	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.040)	ND(0.041)	NS	NS	NS	NS
Aroclor-1221	NS	NS	NS	NS	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.040)	ND(0.041)	NS	NS	NS	NS
Aroclor-1232	NS	NS	NS	NS	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.040)	ND(0.041)	NS	NS	NS	NS
Aroclor-1242	NS	NS	NS	NS	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.040)	ND(0.041)	NS	NS	NS	NS
Aroclor-1248	NS	NS	NS	NS	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.040)	ND(0.041)	NS	NS	NS	NS
Aroclor-1254	NS	NS	NS	NS	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.040)	ND(0.041)	NS	NS	NS	NS
Aroclor-1260	NS	NS	NS	NS	ND(0.038)	ND(0.042)	ND(0.042)	0.028 J	ND(0.041)	NS	NS	NS	NS
Total PCBs	NS	NS	NS	NS	ND(0.038)	ND(0.042)	ND(0.042)	0.028	ND(0.041)	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-16	RFI-36-16	RFI-36-17	RFI-36-17	RFI-36-17	RFI-36-18	RFI-36-18	RFI-36-18	RFI-36-19	RFI-36-19	RFI-36-19	RFI-36-20
Sample Depth(feet):	18-20	8-10	0-2	12-14	8-10	0-2	12-14	8-10	0-2	10-12	8-10	0-2
Date Collected:	12/19/00	12/19/00	08/29/01	08/29/01	08/29/01	08/30/01	08/30/01	08/30/01	08/28/01	08/28/01	08/28/01	08/28/01
Volatiles												
1,1,1-Trichloroethane	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.037)	ND(0.037)
1,1,2,2-Tetrachloroethane	ND(0.041)	ND(0.039)	ND(0.075)	ND(0.074)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.073)	ND(0.072)	ND(0.074)	ND(0.074)
1,1,2-Trichloroethane	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.037)	ND(0.037)
1,1-Dichloroethane	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.037)	ND(0.037)
1,1-Dichloroethene	ND(0.041) J	ND(0.039)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.037)	ND(0.037)
1,2,4-Trichlorobenzene	NS	NS	ND(0.16) J	ND(0.16) J	ND(0.16) [ND(0.16) J]	ND(0.16) J	ND(0.17) J	ND(0.16) J	ND(0.16) J	ND(0.15) J	ND(0.16)	ND(0.16) J
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.16)
1,2-Dibromoethane (EDB)	NS	NS	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.16)
1,2-Dichlorobenzene	NS	NS	ND(0.075)	ND(0.074)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.073)	ND(0.072)	ND(0.074)	ND(0.074)
1,2-Dichloroethane	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.037)	ND(0.037)
1,2-Dichloroethene (total)	ND(0.082)	ND(0.078)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.037)	ND(0.037)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	ND(0.075)	ND(0.074)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.073)	ND(0.072)	ND(0.074)	ND(0.074)
1,4-Dichlorobenzene	NS	NS	ND(0.075)	ND(0.074)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.073)	ND(0.072)	ND(0.074)	ND(0.074)
2-Butanone	ND(0.29)	ND(0.28)	ND(0.27)	ND(0.27)	ND(0.26) [ND(0.27)]	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.26)	ND(0.26)	0.028 J	0.033 J
2-Hexanone	ND(0.17)	ND(0.17)	ND(0.27)	ND(0.27)	ND(0.26) [ND(0.27)]	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.27)	ND(0.26)
4-Methyl-2-pentanone	ND(0.17)	ND(0.17)	ND(0.27)	ND(0.27)	ND(0.26) [ND(0.27)]	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.27)	ND(0.26)
Acetone	ND(0.29)	ND(0.28)	ND(0.27) J	ND(0.27) J	ND(0.26) J [ND(0.27) J]	ND(0.27) J	ND(0.28) J	ND(0.26) J	ND(0.26) J	ND(0.26) J	ND(0.27) J	ND(0.26) J
Benzene	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.037)	ND(0.037)
Benzene, isopropyl	NS	NS	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.16)
Bromodichloromethane	ND(0.041)	ND(0.039)	ND(0.075)	ND(0.074)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.073)	ND(0.072)	ND(0.074)	ND(0.074)
Bromoform	ND(0.041)	ND(0.039)	ND(0.075)	ND(0.074)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.073)	ND(0.072)	ND(0.074)	ND(0.074)
Bromomethane	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.16)
Carbon disulfide	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.16)
Carbon tetrachloride	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.037)	ND(0.037)
Chlorobenzene	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.037)	ND(0.037)
Chloroethane	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) J [ND(0.16)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.16)
Chloroform	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.037)	ND(0.037)
Chloromethane	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.16)
cis-1,2-Dichloroethene	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.037)	ND(0.037)
cis-1,3-Dichloropropene	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.037)	ND(0.037)
Cyclohexane	NS	NS	0.027 J	ND(0.16) J	ND(0.16) J [ND(0.16) J]	ND(0.16) J	ND(0.17) J	ND(0.16) J	ND(0.16) J	ND(0.15) J	ND(0.16) J	ND(0.16) J
Dibromochloromethane	ND(0.041)	ND(0.039)	ND(0.075)	ND(0.074)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.073)	ND(0.072)	ND(0.074)	ND(0.074)
Dichlorodifluoromethane (CFC-12)	NS	NS	ND(0.075)	ND(0.074)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.073)	ND(0.072)	ND(0.074)	ND(0.074)
Ethylbenzene	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.037)	ND(0.037)
m&p-Xylene	ND(0.082)	ND(0.078)	0.031 J	ND(0.074)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.073)	ND(0.072)	ND(0.074)	ND(0.074)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-16	RFI-36-16	RFI-36-17	RFI-36-17	RFI-36-17	RFI-36-18	RFI-36-18	RFI-36-18	RFI-36-19	RFI-36-19	RFI-36-19	RFI-36-20
Sample Depth(feet):	18-20	8-10	0-2	12-14	8-10	0-2	12-14	8-10	0-2	10-12	8-10	0-2
Date Collected:	12/19/00	12/19/00	08/29/01	08/29/01	08/29/01	08/30/01	08/30/01	08/30/01	08/28/01	08/28/01	08/28/01	08/28/01
Methyl acetate	NS	NS	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	0.044 J	ND(0.17)	ND(0.16)	0.029 J	ND(0.15)	ND(0.16)	ND(0.16)
Methyl Tert Butyl Ether	NS	NS	ND(0.27)	ND(0.27)	ND(0.26) [ND(0.27)]	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.27)	ND(0.26)
Methylcyclohexane	NS	NS	0.070 J	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.15) J	ND(0.16)	ND(0.16) J
Methylene chloride	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	0.035 J	ND(0.16)	0.033 J
o-Xylene	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.037)	ND(0.037)
Styrene	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.037)	ND(0.037)
Tetrachloroethene	ND(0.041) J	ND(0.039) J	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.037)	ND(0.037)
Toluene	0.043	ND(0.039)	0.033 J	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.037)	ND(0.037)
trans-1,2-Dichloroethene	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.037)	ND(0.037)
trans-1,3-Dichloropropene	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.037)	ND(0.037)
Trichloroethene	0.053	ND(0.039)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.037)	ND(0.037)
Trichlorofluoromethane (CFC-11)	NS	NS	ND(0.075)	ND(0.074)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.073)	ND(0.072)	ND(0.074)	ND(0.074)
Trifluorotrichloroethane (Freon 113)	NS	NS	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.16)
Vinyl chloride	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.037)	ND(0.037)
Xylenes (total)	ND(0.082)	ND(0.078)	0.031	ND(0.074)	ND(0.074) [ND(0.076)]	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.073)	ND(0.072)	ND(0.074)	ND(0.074)
Semivolatiles												
1,2,4-Trichlorobenzene	ND(1.0)	ND(0.18)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	ND(1.0)	ND(0.18)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(1.0)	ND(0.18)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	ND(1.0)	ND(0.18)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
2,4,6-Trichlorophenol	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
2,4-Dichlorophenol	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
2,4-Dimethylphenol	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
2,4-Dinitrophenol	4.1 R	0.71 R	NS	NS	ND(0.72) [ND(0.71) J]	NS	NS	NS	NS	NS	NS	ND(0.72)
2,4-Dinitrotoluene	ND(1.0)	ND(0.18)	NS	NS	ND(0.72) [ND(0.71)]	NS	NS	NS	NS	NS	NS	ND(0.72)
2,6-Dinitrotoluene	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
2-Chloronaphthalene	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
2-Chlorophenol	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
2-Methyl naphthalene	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
2-Methylphenol	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
2-Nitroaniline	ND(4.1)	ND(0.71)	NS	NS	ND(0.72) [ND(0.71)]	NS	NS	NS	NS	NS	NS	ND(0.72)
2-Nitrophenol	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
3&4-Methylphenol	ND(2.0)	ND(0.35)	NS	NS	ND(0.36) [ND(0.36) J]	NS	NS	NS	NS	NS	NS	ND(0.36)
3,3-Dichlorobenzidine	ND(4.1)	ND(0.71)	NS	NS	ND(0.72) [ND(0.71)]	NS	NS	NS	NS	NS	NS	ND(0.72)
3-Nitroaniline	ND(4.1) J	ND(0.71) J	NS	NS	ND(0.72) [ND(0.71)]	NS	NS	NS	NS	NS	NS	ND(0.72)
4,6-Dinitro-2-methylphenol	ND(4.1)	ND(0.71)	NS	NS	ND(0.72) [ND(0.71)]	NS	NS	NS	NS	NS	NS	ND(0.72)
4-Bromophenyl phenyl ether	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
4-Chloro-3-methylphenol	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-16	RFI-36-16	RFI-36-17	RFI-36-17	RFI-36-17	RFI-36-18	RFI-36-18	RFI-36-18	RFI-36-19	RFI-36-19	RFI-36-19	RFI-36-20
Sample Depth(feet):	18-20	8-10	0-2	12-14	8-10	0-2	12-14	8-10	0-2	10-12	8-10	0-2
Date Collected:	12/19/00	12/19/00	08/29/01	08/29/01	08/29/01	08/30/01	08/30/01	08/30/01	08/28/01	08/28/01	08/28/01	08/28/01
4-Chloroaniline	ND(4.1) J	ND(0.71) J	NS	NS	ND(0.72) [ND(0.71)]	NS	NS	NS	NS	NS	NS	ND(0.72)
4-Chlorophenyl phenyl ether	ND(1.0) J	ND(0.18) J	NS	NS	ND(0.72) [ND(0.71) J]	NS	NS	NS	NS	NS	NS	ND(0.72)
4-Nitroaniline	ND(4.1)	ND(0.71)	NS	NS	ND(0.72) [ND(0.71)]	NS	NS	NS	NS	NS	NS	ND(0.72)
4-Nitrophenol	ND(4.1)	ND(0.71)	NS	NS	ND(0.72) [ND(0.71)]	NS	NS	NS	NS	NS	NS	ND(0.72)
Acenaphthene	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Acenaphthylene	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Acetophenone	NS	NS	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Anthracene	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Atrazine	NS	NS	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Benzaldehyde	NS	NS	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Benzo(a)anthracene	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Benzo(a)pyrene	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Benzo(b)fluoranthene	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Benzo(g,h,i)perylene	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Benzo(k)fluoranthene	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Biphenyl	NS	NS	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
bis(2-Chloroethoxy)methane	ND(1.0) J	ND(0.18) J	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
bis(2-Chloroethyl)ether	ND(1.0) J	ND(0.18) J	NS	NS	ND(0.035) [ND(0.035)]	NS	NS	NS	NS	NS	NS	ND(0.035)
bis(2-Chloroisopropyl)ether	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
bis(2-Ethylhexyl)phthalate	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	0.21
Butyl benzylphthalate	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Caprolactam	NS	NS	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Carbazole	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Chrysene	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Di-n-butylphthalate	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Di-n-octyl phthalate	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Dibenzo(a,h)anthracene	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Dibenzofuran	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Diethyl phthalate	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [0.075 J]	NS	NS	NS	NS	NS	NS	ND(0.18)
Dimethyl phthalate	ND(1.0) J	ND(0.18) J	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Fluoranthene	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Fluorene	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Hexachlorobenzene	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Hexachlorobutadiene	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Hexachlorocyclopentadiene	ND(1.0) J	ND(0.18) J	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Hexachloroethane	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Indeno(1,2,3-cd)pyrene	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
[illegible]horone	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
[illegible]henols, Total	ND(2.0)	ND(0.35)	NS	NS	ND(0.36) [ND(0.36)]	NS	NS	NS	NS	NS	NS	ND(0.36)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-16	RFI-36-16	RFI-36-17	RFI-36-17	RFI-36-17	RFI-36-18	RFI-36-18	RFI-36-18	RFI-36-19	RFI-36-19	RFI-36-19	RFI-36-20
Sample Depth(feet):	18-20	8-10	0-2	12-14	8-10	0-2	12-14	8-10	0-2	10-12	8-10	0-2
Date Collected:	12/19/00	12/19/00	08/29/01	08/29/01	08/29/01	08/30/01	08/30/01	08/30/01	08/28/01	08/28/01	08/28/01	08/28/01
N-Nitrosodi-n-propylamine	ND(1.0) J	ND(0.18) J	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
N-Nitrosodiphenylamine	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Naphthalene	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Nitrobenzene	ND(1.0)	ND(0.18)	NS	NS	ND(0.072) [ND(0.071)]	NS	NS	NS	NS	NS	NS	ND(0.072)
Pentachlorophenol	ND(1.0)	ND(0.18)	NS	NS	ND(0.72) [ND(0.71)]	NS	NS	NS	NS	NS	NS	ND(0.72)
Phenanthrene	1.2 D	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Phenol	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Pyrene	ND(1.0)	ND(0.18)	NS	NS	ND(0.18) [ND(0.18)]	NS	NS	NS	NS	NS	NS	ND(0.18)
Inorganics												
Antimony	NS	NS	NS	NS	[ND(0.23)]	NS	NS	NS	NS	NS	NS	NS
Arsenic	8.1(RDC)	3.1	NS	NS	[5.5 J]	NS	NS	NS	NS	NS	NS	NS
Barium	27	9.8	NS	NS	[11]	NS	NS	NS	NS	NS	NS	NS
Beryllium	NS	NS	NS	NS	[0.14 J]	NS	NS	NS	NS	NS	NS	NS
Cadmium	0.14	0.078	NS	NS	[0.13]	NS	NS	NS	NS	NS	NS	NS
Chromium	9.1	4.2	NS	NS	[5.8 J]	NS	NS	NS	NS	NS	NS	NS
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	[3.0 J]	NS	NS	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	[8.7 J]	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	NS	NS	NS	NS	[ND(0.20)]	NS	NS	NS	NS	NS	NS	NS
Lead	5.9	3.4	NS	NS	[5.6 J]	NS	NS	NS	NS	NS	NS	NS
Manganese	NS	NS	NS	NS	[190 J]	NS	NS	NS	NS	NS	NS	NS
Mercury	ND(0.024)	ND(0.021)	NS	NS	ND(0.075) [ND(0.073)]	NS	NS	NS	NS	NS	NS	NS
Nickel	NS	NS	NS	NS	[8.1 J]	NS	NS	NS	NS	NS	NS	NS
Selenium	0.18	ND(0.20)	NS	NS	[ND(0.32)]	NS	NS	NS	NS	NS	NS	NS
Silver	ND(0.39)	ND(0.49)	NS	NS	[0.11 J]	NS	NS	NS	NS	NS	NS	NS
Thallium	NS	NS	NS	NS	[0.077 J]	NS	NS	NS	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	[11 J]	NS	NS	NS	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	[33 J]	NS	NS	NS	NS	NS	NS	NS
PCBs												
Aroclor-1016	NS	NS	NS	NS	ND(0.037) [ND(0.037)]	NS	NS	NS	NS	NS	NS	NS
Aroclor-1221	NS	NS	NS	NS	ND(0.037) [ND(0.037)]	NS	NS	NS	NS	NS	NS	NS
Aroclor-1232	NS	NS	NS	NS	ND(0.037) [ND(0.037)]	NS	NS	NS	NS	NS	NS	NS
Aroclor-1242	NS	NS	NS	NS	ND(0.037) [ND(0.037)]	NS	NS	NS	NS	NS	NS	NS
Aroclor-1248	NS	NS	NS	NS	ND(0.037) [ND(0.037)]	NS	NS	NS	NS	NS	NS	NS
Aroclor-1254	NS	NS	NS	NS	ND(0.037) [ND(0.037)]	NS	NS	NS	NS	NS	NS	NS
Aroclor-1260	NS	NS	NS	NS	ND(0.037) [ND(0.037)]	NS	NS	NS	NS	NS	NS	NS
Total PCBs	NS	NS	NS	NS	ND(0.037) [ND(0.037)]	NS	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-20	RFI-36-20	RFI-36-21	RFI-36-21	RFI-36-21	RFI-36-21	RFI-36-22	RFI-36-22	RFI-36-22	RFI-36-23	RFI-36-23
Sample Depth(feet):	10-12	8-10	10-12	12-14	6-8	8-10	0-2	10-12	8-10	0-2	10-12
Date Collected:	08/28/01	08/28/01	03/28/01	03/28/01	03/28/01	03/28/01	03/27/01	03/27/01	03/27/01	03/28/01	03/28/01
Volatiles											
1,1,1-Trichloroethane	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.041)	ND(0.036)	ND(0.036)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.037)	ND(0.037)
1,1,2,2-Tetrachloroethane	ND(0.077)	ND(0.075)	ND(0.077)	ND(0.072)	ND(0.082)	ND(0.071)	ND(0.073)	ND(0.073) [ND(0.075)]	ND(0.077)	ND(0.074)	ND(0.073)
1,1,2-Trichloroethane	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.041)	ND(0.036)	ND(0.036)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.037)	ND(0.037)
1,1-Dichloroethane	ND(0.038)	ND(0.037)	0.22	ND(0.036)	ND(0.041)	ND(0.036)	ND(0.036)	0.17 [ND(0.038)]	ND(0.038)	ND(0.037)	0.061
1,1-Dichloroethene	ND(0.038) J	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.041)	ND(0.036)	ND(0.036)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.037)	ND(0.037)
1,2,4-Trichlorobenzene	ND(0.16)	ND(0.16) J	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.15)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.15)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)
1,2-Dibromoethane (EDB)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.15)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)
1,2-Dichlorobenzene	ND(0.077)	ND(0.075)	ND(0.077)	ND(0.072)	ND(0.082)	ND(0.071)	ND(0.073)	ND(0.073) [ND(0.075)]	ND(0.077)	ND(0.074)	ND(0.073)
1,2-Dichloroethane	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.041)	ND(0.036)	ND(0.036)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.037)	ND(0.037)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.041)	ND(0.036)	ND(0.036)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.037)	ND(0.037)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.077)	ND(0.075)	ND(0.077)	ND(0.072)	ND(0.082)	ND(0.071)	ND(0.073)	ND(0.073) [ND(0.075)]	ND(0.077)	ND(0.074)	ND(0.073)
1,4-Dichlorobenzene	ND(0.077)	ND(0.075)	ND(0.077)	ND(0.072)	ND(0.082)	ND(0.071)	ND(0.073)	ND(0.073) [ND(0.075)]	ND(0.077)	ND(0.074)	ND(0.073)
2-Butanone	0.033 J	0.027 J	ND(0.27)	ND(0.26)	ND(0.29)	ND(0.25)	ND(0.26)	ND(0.26) [ND(0.27)]	ND(0.27)	ND(0.26)	0.062 J
2-Hexanone	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.26) J	ND(0.29) J	ND(0.25) J	ND(0.26)	ND(0.26) [ND(0.27)]	ND(0.27)	ND(0.26) J	ND(0.26)
4-Methyl-2-pentanone	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.26)	ND(0.29)	ND(0.25)	ND(0.26)	ND(0.26) [ND(0.27)]	ND(0.27)	ND(0.26)	ND(0.26)
Acetone	ND(0.27) J	ND(0.27) J	ND(0.27)	0.067 J	0.062 J	ND(0.25) J	0.084 J	ND(0.26) J [ND(0.27)]	0.079 J	ND(0.26) J	0.12 J
Benzene	ND(0.038)	ND(0.037)	0.13	ND(0.036)	ND(0.041)	ND(0.036)	ND(0.036)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.037)	ND(0.037)
Benzene, isopropyl	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.15)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)
Bromodichloromethane	ND(0.077)	ND(0.075)	ND(0.077)	ND(0.072)	ND(0.082)	ND(0.071)	ND(0.073)	ND(0.073) [ND(0.075)]	ND(0.077)	ND(0.074)	ND(0.073)
Bromoform	ND(0.077)	ND(0.075)	ND(0.077) J	ND(0.072)	ND(0.082)	ND(0.071)	ND(0.073)	ND(0.073) [ND(0.075)]	ND(0.077)	ND(0.074)	ND(0.073)
Bromomethane	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.15) J	ND(0.17) J	ND(0.15) J	ND(0.16) J	ND(0.16) J [ND(0.16) J]	ND(0.16)	ND(0.16) J	ND(0.16) J
Carbon disulfide	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.15)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)
Carbon tetrachloride	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.041)	ND(0.036)	ND(0.036)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.037)	ND(0.037)
Chlorobenzene	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.041)	ND(0.036)	ND(0.036)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.037)	ND(0.037)
Chloroethane	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.15)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16) J	ND(0.16)	ND(0.16)
Chloroform	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.041)	ND(0.036)	ND(0.036)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.037)	ND(0.037)
Chloromethane	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.15)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)
cis-1,2-Dichloroethene	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.041)	ND(0.036)	ND(0.036)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.037)	ND(0.037)
cis-1,3-Dichloropropene	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.041)	ND(0.036)	ND(0.036)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.037)	ND(0.037)
Cyclohexane	ND(0.16) J	ND(0.16) J	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.15)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)
Dibromochloromethane	ND(0.077)	ND(0.075)	ND(0.077)	ND(0.072)	ND(0.082)	ND(0.071)	ND(0.073)	ND(0.073) [ND(0.075)]	ND(0.077)	ND(0.074)	ND(0.073)
Dichlorodifluoromethane (CFC-12)	ND(0.077)	ND(0.075)	ND(0.077) J	ND(0.072) J	ND(0.082)	ND(0.071) J	ND(0.073) J	ND(0.073) J [ND(0.075) J]	ND(0.077) J	ND(0.074) J	ND(0.073) J
Ethylbenzene	ND(0.038)	ND(0.037)	0.37	ND(0.036)	ND(0.041) J	ND(0.036)	ND(0.036)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.037)	ND(0.037)
m&p-Xylene	ND(0.077)	ND(0.075)	1	ND(0.072)	ND(0.082)	ND(0.071)	ND(0.073)	ND(0.073) [ND(0.075)]	ND(0.077)	ND(0.074)	ND(0.073)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-20	RFI-36-20	RFI-36-21	RFI-36-21	RFI-36-21	RFI-36-21	RFI-36-22	RFI-36-22	RFI-36-22	RFI-36-23	RFI-36-23
Sample Depth(feet):	10-12	8-10	10-12	12-14	6-8	8-10	0-2	10-12	8-10	0-2	10-12
Date Collected:	08/28/01	08/28/01	03/28/01	03/28/01	03/28/01	03/28/01	03/27/01	03/27/01	03/27/01	03/28/01	03/28/01
Methyl acetate	ND(0.16)	ND(0.16)	ND(0.16) J	ND(0.15) J	ND(0.17) J	ND(0.15) 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
Methyl Tert Butyl Ether	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.26)	ND(0.29)	ND(0.25)	ND(0.26)	ND(0.26) [ND(0.27)]	ND(0.27)	ND(0.26)	ND(0.26)
Methylcyclohexane	ND(0.16) J	ND(0.16) J	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.15)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)
Methylene chloride	0.033 J	0.032 J	ND(0.16)	0.039 J	ND(0.17)	0.047 J	0.048 J	ND(0.16) [0.053 J]	0.071 J	0.040 J	0.039 J
o-Xylene	ND(0.038)	ND(0.037)	0.4	ND(0.036)	ND(0.041)	ND(0.036)	ND(0.036)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.037)	ND(0.037)
Styrene	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.041)	ND(0.036)	ND(0.036)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.037)	ND(0.037)
Tetrachloroethene	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.041)	ND(0.036)	ND(0.036)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.037)	ND(0.037)
Toluene	ND(0.038)	ND(0.037)	1.4	ND(0.036)	ND(0.041)	ND(0.036)	ND(0.036)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.037)	ND(0.037)
trans-1,2-Dichloroethene	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.041)	ND(0.036)	ND(0.036)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.037)	ND(0.037)
trans-1,3-Dichloropropene	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.041)	ND(0.036)	ND(0.036)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.037)	ND(0.037)
Trichloroethene	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.041)	ND(0.036)	ND(0.036)	ND(0.037) [ND(0.038)]	ND(0.038)	0.041	ND(0.037)
Trichlorofluoromethane (CFC-11)	ND(0.077)	ND(0.075)	ND(0.077)	ND(0.072)	ND(0.082)	ND(0.071)	ND(0.073)	ND(0.073) [ND(0.075)]	ND(0.077)	ND(0.074)	ND(0.073)
Trifluorotrichloroethane (Freon 113)	ND(0.16)	ND(0.16)	ND(0.16) J	ND(0.15) J	ND(0.17) J	ND(0.15) 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
Vinyl chloride	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.041)	ND(0.036)	ND(0.036)	ND(0.037) [ND(0.038)]	ND(0.038)	ND(0.037)	ND(0.037)
Xylenes (total)	ND(0.077)	ND(0.075)	1.4	ND(0.072)	ND(0.082)	ND(0.071)	ND(0.073)	ND(0.073) [ND(0.075)]	ND(0.077)	ND(0.074)	ND(0.073)
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.18)	ND(0.18)	ND(0.19)	0.6	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	1.1	ND(0.18)
2,4,6-Trichlorophenol	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
2,4-Dichlorophenol	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
2,4-Dimethylphenol	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
2,4-Dinitrophenol	ND(0.72)	ND(0.72)	ND(0.73)	ND(0.69)	ND(0.76)	ND(0.69)	ND(0.71)	ND(0.72) [ND(0.71)]	ND(0.73)	ND(0.72)	ND(0.71)
2,4-Dinitrotoluene	ND(0.72)	ND(0.72)	ND(0.73)	ND(0.69)	ND(0.76)	ND(0.69)	ND(0.71)	ND(0.72) [ND(0.71)]	ND(0.73)	ND(0.72)	ND(0.71)
2,6-Dinitrotoluene	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
2-Chloronaphthalene	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) J	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18) J	ND(0.18) J
2-Chlorophenol	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
2-Methyl naphthalene	ND(0.18)	ND(0.18)	ND(0.19)	0.22 J	ND(0.19)	ND(0.18) J	ND(0.18) J	ND(0.18) [ND(0.18) J]	ND(0.18) J	ND(0.18)	ND(0.18)
2-Methylphenol	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
2-Nitroaniline	ND(0.72)	ND(0.72)	ND(0.73)	ND(0.69)	ND(0.76)	ND(0.69)	ND(0.71)	ND(0.72) [ND(0.71)]	ND(0.73)	ND(0.72)	ND(0.71)
2-Nitrophenol	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
3&4-Methylphenol	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.35)	ND(0.38)	ND(0.35)	ND(0.36)	ND(0.36) [ND(0.36)]	ND(0.37)	ND(0.36)	ND(0.36)
3,3-Dichlorobenzidine	ND(0.72)	ND(0.72)	ND(0.73) J	ND(0.69) J	ND(0.76)	ND(0.69) J	ND(0.71) J	ND(0.72) [ND(0.71) J]	ND(0.73) J	ND(0.72) J	ND(0.71) J
3-Nitroaniline	ND(0.72)	ND(0.72)	ND(0.73)	ND(0.69)	ND(0.76)	ND(0.69)	ND(0.71)	ND(0.72) [ND(0.71)]	ND(0.73)	ND(0.72)	ND(0.71)
4,6-Dinitro-2-methylphenol	ND(0.72)	ND(0.72)	ND(0.73)	ND(0.69) J	ND(0.76)	ND(0.69)	ND(0.71)	ND(0.72) [ND(0.71)]	ND(0.73)	ND(0.72)	ND(0.71)
4-Bromophenyl phenyl ether	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
4-Chloro-3-methylphenol	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-20	RFI-36-20	RFI-36-21	RFI-36-21	RFI-36-21	RFI-36-21	RFI-36-22	RFI-36-22	RFI-36-22	RFI-36-23	RFI-36-23
Sample Depth(feet):	10-12	8-10	10-12	12-14	6-8	8-10	0-2	10-12	8-10	0-2	10-12
Date Collected:	08/28/01	08/28/01	03/28/01	03/28/01	03/28/01	03/28/01	03/27/01	03/27/01	03/27/01	03/28/01	03/28/01
4-Chloroaniline	ND(0.72)	ND(0.72)	ND(0.73) J	ND(0.69) J	ND(0.76) J	ND(0.69) J	ND(0.71) J	ND(0.72) J [ND(0.71) J]	ND(0.73) J	ND(0.72) J	ND(0.71) J
4-Chlorophenyl phenyl ether	ND(0.72)	ND(0.72)	ND(0.73)	ND(0.69) J	ND(0.76)	ND(0.69)	ND(0.71)	ND(0.72) [ND(0.71)]	ND(0.73)	ND(0.72)	ND(0.71)
4-Nitroaniline	ND(0.72)	ND(0.72)	ND(0.73)	ND(0.69)	ND(0.76)	ND(0.69)	ND(0.71)	ND(0.72) [ND(0.71)]	ND(0.73)	ND(0.72)	ND(0.71)
4-Nitrophenol	ND(0.72)	ND(0.72)	ND(0.73)	ND(0.69)	ND(0.76)	ND(0.69)	ND(0.71)	ND(0.72) [ND(0.71)]	ND(0.73)	ND(0.72)	ND(0.71)
Acenaphthene	ND(0.18)	ND(0.18)	0.22 J	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Acenaphthylene	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Acetophenone	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Anthracene	ND(0.18)	ND(0.18)	0.60 J	ND(0.18) J	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Atrazine	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18) J	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Benzaldehyde	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Benzo(a)anthracene	ND(0.18)	ND(0.18)	1.1 J	ND(0.18) J	ND(0.19)	ND(0.18)	0.089 J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18) J	ND(0.18)
Benzo(a)pyrene	ND(0.18)	ND(0.18)	0.90 J	ND(0.18) J	ND(0.19)	ND(0.18) J	ND(0.18) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18) J	ND(0.18) J
Benzo(b)fluoranthene	ND(0.18)	ND(0.18)	1.2 J	ND(0.18) J	ND(0.19)	ND(0.18) J	ND(0.18) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18) J	ND(0.18) J
Benzo(g,h,i)perylene	ND(0.18)	ND(0.18)	0.47 J	ND(0.18) J	ND(0.19)	ND(0.18) J	ND(0.18) J	ND(0.18) [ND(0.18) J]	ND(0.18) J	ND(0.18) J	ND(0.18) J
Benzo(k)fluoranthene	ND(0.18)	ND(0.18)	0.87 J	ND(0.18) J	ND(0.19)	ND(0.18) J	ND(0.18) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18) J	ND(0.18) J
Biphenyl	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
bis(2-Chloroethoxy)methane	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
bis(2-Chloroethyl)ether	ND(0.036)	ND(0.035)	ND(0.036)	ND(0.034)	ND(0.037)	ND(0.034)	ND(0.035)	ND(0.035) [ND(0.035)]	ND(0.036)	ND(0.035)	ND(0.035)
bis(2-Chloroisopropyl)ether	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
bis(2-Ethylhexyl)phthalate	ND(0.18)	ND(0.18)	ND(0.19) J	0.70 J	ND(0.19)	ND(0.18)	ND(0.18) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18) J	ND(0.18)
Butyl benzylphthalate	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18) J	ND(0.19)	0.19	ND(0.18) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18) J	ND(0.18)
Caprolactam	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Carbazole	ND(0.18)	ND(0.18)	0.35	ND(0.18) J	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Chrysene	ND(0.18)	ND(0.18)	1.2 J	ND(0.18) J	ND(0.19)	ND(0.18)	0.16 J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18) J	ND(0.18)
Di-n-butylphthalate	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18) J	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Di-n-octyl phthalate	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18) J	ND(0.19)	ND(0.18) J	ND(0.18) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18) J	ND(0.18) J
Dibenzo(a,h)anthracene	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18) J	ND(0.19)	ND(0.18) J	ND(0.18) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18) J	ND(0.18) J
Dibenzofuran	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Diethyl phthalate	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Dimethyl phthalate	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Fluoranthene	ND(0.18)	ND(0.18)	1.9 J	ND(0.18) J	ND(0.19)	ND(0.18)	0.18 J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Fluorene	ND(0.18)	ND(0.18)	0.21 J	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Hexachlorobenzene	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18) J	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Hexachlorobutadiene	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Hexachlorocyclopentadiene	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) J [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Hexachloroethane	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Indeno(1,2,3-cd)pyrene	ND(0.18)	ND(0.18)	0.50 J	ND(0.18) J	ND(0.19)	ND(0.18) J	ND(0.18) J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18) J	ND(0.18) J
Isophorone	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Methylphenols, Total	ND(0.37)	ND(0.36)	ND(0.37)	ND(0.35)	ND(0.38)	ND(0.35)	ND(0.36)	ND(0.36) [ND(0.36)]	ND(0.37)	ND(0.36)	ND(0.36)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-20	RFI-36-20	RFI-36-21	RFI-36-21	RFI-36-21	RFI-36-21	RFI-36-22	RFI-36-22	RFI-36-22	RFI-36-23	RFI-36-23
Sample Depth(feet):	10-12	8-10	10-12	12-14	6-8	8-10	0-2	10-12	8-10	0-2	10-12
Date Collected:	08/28/01	08/28/01	03/28/01	03/28/01	03/28/01	03/28/01	03/27/01	03/27/01	03/27/01	03/28/01	03/28/01
N-Nitrosodi-n-propylamine	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
N-Nitrosodiphenylamine	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18) J	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Naphthalene	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Nitrobenzene	ND(0.072)	ND(0.072)	ND(0.073)	ND(0.069)	ND(0.076)	ND(0.069)	ND(0.071)	ND(0.072) [ND(0.071)]	ND(0.073)	ND(0.072)	ND(0.071)
Pentachlorophenol	ND(0.72)	ND(0.72)	ND(0.73)	7.2 J	ND(0.76)	ND(0.69)	ND(0.71)	ND(0.72) [ND(0.71)]	ND(0.73)	0.79 J	ND(0.71)
Phenanthrene	ND(0.18)	ND(0.18)	1.9 J	ND(0.18) J	ND(0.19)	ND(0.18)	0.12 J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Phenol	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.18)
Pyrene	ND(0.18)	ND(0.18)	2.4 J	ND(0.18) J	ND(0.19)	ND(0.18)	0.56 J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18) J	ND(0.18)
Inorganics											
Antimony	NS	0.44	ND(0.34) J	ND(0.31) J	0.38 R	0.56 J	ND(0.36) J	ND(0.37) J [ND(0.40) J]	ND(0.48) J	ND(0.27) J	0.40 J
Arsenic	NS	3.8	9.5 J(RDC)	1.7	4.6 J	3.5	2.5	2.5 [2.9]	3.6	6.7	6.4
Barium	NS	11	110 J	3.9 J	23 J	11 J	10 J	13 J [10 J]	12 J	44 J	15 J
Beryllium	NS	0.12	0.31 J	ND(0.17)	0.20 J	0.16 J	0.096 J	0.11 J [0.099 J]	0.15 J	0.58	0.17 J
Cadmium	NS	0.072	0.38 J	0.034 J	0.049 J	0.098 J	0.099	0.074 J [0.10 J]	0.060 J	0.2	0.14
Chromium	NS	4.5	46 J	2.4	8.0 J	4.8	11	6.2 J [4.5]	6.1	21	8.8
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	2.4	8.6 J	1.1	4.0 J	3	3.7	2.4 [3.5]	4.1	10	3.9
Copper	NS	5.8	88 J	4.8 J	14 J	51 J	34 J	10 J [6.3 J]	14 J	31 J	26 J
Cyanide (total)	NS	NS	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)	ND(0.20)
Lead	NS	4	52 J	2.0 J	6.5 J	4.6 J	7.8 J	3.0 J [3.6 J]	4.9 J	21 J	8.2 J
Manganese	NS	140	510 J	67	220 J	170	180	92 [190]	93	260 D	130
Mercury	NS	NS	0.075 R	ND(0.072) J	0.072 R	ND(6.9) J	ND(0.074) J	ND(0.074) [ND(0.072) J]	ND(0.074) J	ND(0.073) J	ND(0.074) J
Nickel	NS	6.1	46 J	2.8	9.9 J	15	10	5.4 [7.4]	7.9	23	12
Selenium	NS	ND(0.074)	ND(1.4)	ND(1.2)	ND(1.5)	ND(1.8)	ND(1.4)	ND(1.5) [ND(1.6)]	ND(1.9)	ND(1.1)	ND(1.7)
Silver	NS	0.074 J	3.0 J	0.030 J	ND(0.11)	0.20 J	0.084 J	0.044 J [0.069 J]	0.083 J	0.23 J	0.31 J
Thallium	NS	0.059 J	0.099 J	ND(0.20)	0.079 J	ND(0.28)	ND(0.23)	ND(0.23) [ND(0.25)]	ND(0.30)	0.15 J	0.12 J
Vanadium	NS	8.5	13 J	3.6	9.6 J	7.2	5.1	6.3 [5.9]	7.9	21	11
Zinc	NS	23	72 J	11 J	28 J	24 J	18 J	15 [20 J]	25 J	60 J	40 J
PCBs											
Aroclor-1016	NS	NS	ND(0.036)	ND(0.18)	ND(0.038)	ND(0.034)	ND(0.035)	ND(0.036) [ND(0.035)]	ND(0.036)	ND(0.036)	ND(0.035)
Aroclor-1221	NS	NS	ND(0.036)	ND(0.18)	ND(0.038)	ND(0.034)	ND(0.035)	ND(0.036) [ND(0.035)]	ND(0.036)	ND(0.036)	ND(0.035)
Aroclor-1232	NS	NS	ND(0.036)	ND(0.18)	ND(0.038)	ND(0.034)	ND(0.035)	ND(0.036) [ND(0.035)]	ND(0.036)	ND(0.036)	ND(0.035)
Aroclor-1242	NS	NS	ND(0.036)	ND(0.18)	ND(0.038)	ND(0.034)	ND(0.035)	ND(0.036) [ND(0.035)]	ND(0.036)	ND(0.036)	ND(0.035)
Aroclor-1248	NS	NS	ND(0.036)	ND(0.18)	ND(0.038)	ND(0.034)	ND(0.035)	ND(0.036) [ND(0.035)]	ND(0.036)	ND(0.036)	ND(0.035)
Aroclor-1254	NS	NS	ND(0.036)	ND(0.18)	ND(0.038)	ND(0.034)	ND(0.035)	ND(0.036) [ND(0.035)]	ND(0.036)	ND(0.036)	ND(0.035)
Aroclor-1260	NS	NS	ND(0.036)	ND(0.18)	ND(0.038)	ND(0.034)	ND(0.035)	ND(0.036) [ND(0.035)]	ND(0.036)	ND(0.036)	ND(0.035)
Total PCBs	NS	NS	ND(0.036)	ND(0.18)	ND(0.038)	ND(0.034)	ND(0.035)	ND(0.036) [ND(0.035)]	ND(0.036)	ND(0.036)	ND(0.035)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-23	RFI-36-24	RFI-36-24	RFI-36-24	RFI-36-24	RFI-36-25	RFI-36-25	RFI-36-25	RFI-36-25R	RFI-36-25R	RFI-36-25R
Sample Depth(feet):	8-10	0-2	10-12	6-8	8-10	0-2	12-14	8-10	11-13	1-3	7-9
Date Collected:	03/27/01	03/26/01	03/26/01	03/26/01	03/26/01	03/27/01	03/27/01	03/27/01	12/15/01	12/15/01	12/15/01
Volatiles											
1,1,1-Trichloroethane	ND(0.037)	ND(0.036)	ND(0.038) [ND(0.036)]	ND(0.037)	ND(0.035)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.044)
1,1,2,2-Tetrachloroethane	ND(0.075)	ND(0.073)	ND(0.076) [ND(0.072)]	ND(0.073)	ND(0.070)	ND(0.078)	ND(0.084)	ND(0.073)	ND(0.076)	ND(0.079)	ND(0.087)
1,1,2-Trichloroethane	ND(0.037)	ND(0.036)	ND(0.038) [ND(0.036)]	ND(0.037)	ND(0.035)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.044)
1,1-Dichloroethane	ND(0.037)	ND(0.036)	ND(0.038) [ND(0.036)]	0.062	ND(0.035)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.044)
1,1-Dichloroethene	ND(0.037)	ND(0.036)	ND(0.038) [ND(0.036)]	ND(0.037)	ND(0.035)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.044)
1,2,4-Trichlorobenzene	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.19)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.19)
1,2-Dibromoethane (EDB)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.19)
1,2-Dichlorobenzene	ND(0.075)	ND(0.073)	ND(0.076) [ND(0.072)]	ND(0.073)	ND(0.070)	ND(0.078)	ND(0.084)	ND(0.073)	ND(0.076)	ND(0.079)	ND(0.087)
1,2-Dichloroethane	ND(0.037)	ND(0.036)	ND(0.038) [ND(0.036)]	ND(0.037)	ND(0.035)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.044)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.037)	ND(0.036)	ND(0.038) [ND(0.036)]	ND(0.037)	ND(0.035)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.044)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.075)	ND(0.073)	ND(0.076) [ND(0.072)]	ND(0.073)	ND(0.070)	ND(0.078)	ND(0.084)	ND(0.073)	ND(0.076)	ND(0.079)	ND(0.087)
1,4-Dichlorobenzene	ND(0.075)	ND(0.073)	ND(0.076) [ND(0.072)]	ND(0.073)	ND(0.070)	ND(0.078)	ND(0.084)	ND(0.073)	ND(0.076)	ND(0.079)	ND(0.087)
2-Butanone	ND(0.27)	ND(0.26)	ND(0.27) [ND(0.26)]	0.045 J	0.036 J	ND(0.28)	ND(0.30)	ND(0.26)	ND(0.27)	ND(0.28)	ND(0.31)
2-Hexanone	ND(0.27)	ND(0.26)	ND(0.27) [ND(0.26)]	ND(0.26)	ND(0.25)	ND(0.28)	ND(0.30)	ND(0.26)	ND(0.27)	ND(0.28)	ND(0.31)
4-Methyl-2-pentanone	ND(0.27)	ND(0.26)	ND(0.27) [ND(0.26)]	ND(0.26)	ND(0.25)	ND(0.28)	ND(0.30)	ND(0.26)	ND(0.27)	ND(0.28)	ND(0.31)
Acetone	0.077 J	ND(0.26) J	ND(0.27) [ND(0.26)]	ND(0.26)	ND(0.25)	ND(0.28) J	ND(0.30)	ND(0.26)	ND(0.27)	ND(0.28)	ND(0.31)
Benzene	ND(0.037)	ND(0.036)	ND(0.038) [ND(0.036)]	ND(0.037)	ND(0.035)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.044)
Benzene, isopropyl	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.19)
Bromodichloromethane	ND(0.075)	ND(0.073)	ND(0.076) [ND(0.072)]	ND(0.073)	ND(0.070)	ND(0.078)	ND(0.084)	ND(0.073)	ND(0.076)	ND(0.079)	ND(0.087)
Bromoform	ND(0.075)	ND(0.073)	ND(0.076) [ND(0.072)]	ND(0.073)	ND(0.070)	ND(0.078)	ND(0.084)	ND(0.073)	ND(0.076)	ND(0.079)	ND(0.087)
Bromomethane	ND(0.16) J	ND(0.16) J	ND(0.16) J [ND(0.16) J]	ND(0.16) J	ND(0.15) J	ND(0.17) J	ND(0.18) J	ND(0.16) J	ND(0.16)	ND(0.17)	ND(0.19)
Carbon disulfide	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.19)
Carbon tetrachloride	ND(0.037)	ND(0.036)	ND(0.038) [ND(0.036)]	ND(0.037)	ND(0.035)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.044)
Chlorobenzene	ND(0.037)	ND(0.036)	ND(0.038) [ND(0.036)]	ND(0.037)	ND(0.035)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.044)
Chloroethane	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.19)
Chloroform	ND(0.037)	ND(0.036)	ND(0.038) [ND(0.036)]	ND(0.037)	ND(0.035)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.044)
Chloromethane	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.19)
cis-1,2-Dichloroethene	ND(0.037)	ND(0.036)	ND(0.038) [ND(0.036)]	ND(0.037)	ND(0.035)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.044)
cis-1,3-Dichloropropene	ND(0.037)	ND(0.036)	ND(0.038) [ND(0.036)]	ND(0.037)	ND(0.035)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.044)
Cyclohexane	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.19)
Dibromochloromethane	ND(0.075)	ND(0.073)	ND(0.076) [ND(0.072)]	ND(0.073)	ND(0.070)	ND(0.078)	ND(0.084)	ND(0.073)	ND(0.076)	ND(0.079)	ND(0.087)
Dichlorodifluoromethane (CFC-12)	ND(0.075) J	ND(0.073) J	ND(0.076) [ND(0.072)]	ND(0.073)	ND(0.070)	ND(0.078) J	ND(0.084)	ND(0.073)	ND(0.076)	ND(0.079)	ND(0.087)
Ethylbenzene	ND(0.037)	ND(0.036)	ND(0.038) [ND(0.036)]	ND(0.037)	ND(0.035)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.044)
m&p-Xylene	ND(0.075)	ND(0.073)	ND(0.076) [ND(0.072)]	ND(0.073)	ND(0.070)	ND(0.078)	ND(0.084)	ND(0.073)	ND(0.076)	ND(0.079)	ND(0.087)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-23	RFI-36-24	RFI-36-24	RFI-36-24	RFI-36-24	RFI-36-25	RFI-36-25	RFI-36-25	RFI-36-25R	RFI-36-25R	RFI-36-25R
Sample Depth(feet):	8-10	0-2	10-12	6-8	8-10	0-2	12-14	8-10	11-13	1-3	7-9
Date Collected:	03/27/01	03/26/01	03/26/01	03/26/01	03/26/01	03/27/01	03/27/01	03/27/01	12/15/01	12/15/01	12/15/01
Methyl acetate	ND(0.16) J	ND(0.16) J	ND(0.16) J [ND(0.16) J]	ND(0.16) J	ND(0.15) J	ND(0.17) J	ND(0.18) J	ND(0.16) J	ND(0.16)	ND(0.17)	ND(0.19)
Methyl Tert Butyl Ether	ND(0.27)	ND(0.26)	ND(0.27) [ND(0.26)]	ND(0.26)	ND(0.25)	ND(0.28)	ND(0.30)	ND(0.26)	ND(0.27)	ND(0.28)	ND(0.31)
Methylcyclohexane	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.19)
Methylene chloride	0.062 J	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.19)
o-Xylene	ND(0.037)	ND(0.036)	ND(0.038) [ND(0.036)]	ND(0.037)	ND(0.035)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.044)
Styrene	ND(0.037)	ND(0.036)	ND(0.038) [ND(0.036)]	ND(0.037)	ND(0.035)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.044)
Tetrachloroethene	ND(0.037)	ND(0.036)	ND(0.038) [ND(0.036)]	ND(0.037)	ND(0.035)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.044)
Toluene	ND(0.037)	ND(0.036)	ND(0.038) [ND(0.036)]	ND(0.037)	ND(0.035)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.044)
trans-1,2-Dichloroethene	ND(0.037)	ND(0.036)	ND(0.038) [ND(0.036)]	ND(0.037)	ND(0.035)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.044)
trans-1,3-Dichloropropene	ND(0.037)	ND(0.036)	ND(0.038) [ND(0.036)]	ND(0.037)	ND(0.035)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.044)
Trichloroethene	ND(0.037)	ND(0.036)	ND(0.038) [ND(0.036)]	ND(0.037)	ND(0.035)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.044)
Trichlorofluoromethane (CFC-11)	ND(0.075)	ND(0.073)	ND(0.076) [ND(0.072)]	ND(0.073)	ND(0.070)	ND(0.078)	ND(0.084)	ND(0.073)	ND(0.076)	ND(0.079)	ND(0.087)
Trifluorotrichloroethane (Freon 113)	ND(0.16) J	ND(0.16) J	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.15)	ND(0.17) J	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.19)
Vinyl chloride	ND(0.037)	ND(0.036)	ND(0.038) [ND(0.036)]	ND(0.037)	ND(0.035)	ND(0.039)	ND(0.042)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.044)
Xylenes (total)	ND(0.075)	ND(0.073)	ND(0.076) [ND(0.072)]	ND(0.073)	ND(0.070)	ND(0.078)	ND(0.084)	ND(0.073)	ND(0.076)	ND(0.079)	ND(0.087)
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
2,4,6-Trichlorophenol	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
2,4-Dichlorophenol	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
2,4-Dimethylphenol	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
2,4-Dinitrophenol	ND(0.72)	ND(0.71)	ND(0.75) [ND(0.69)]	ND(0.70)	ND(0.70)	ND(0.74)	ND(0.79)	ND(0.72)	ND(0.73)	ND(0.77)	ND(0.85)
2,4-Dinitrotoluene	ND(0.72)	ND(0.71)	ND(0.75) [ND(0.69)]	ND(0.70)	ND(0.70)	ND(0.74)	ND(0.79)	ND(0.72)	ND(0.73)	ND(0.77)	ND(0.85)
2,6-Dinitrotoluene	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
2-Chloronaphthalene	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
2-Chlorophenol	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
2-Methyl naphthalene	ND(0.18) J	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
2-Methylphenol	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
2-Nitroaniline	ND(0.72)	ND(0.71)	ND(0.75) [ND(0.69)]	ND(0.70)	ND(0.70)	ND(0.74)	ND(0.79)	ND(0.72)	ND(0.73)	ND(0.77)	ND(0.85)
2-Nitrophenol	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
3&4-Methylphenol	ND(0.36)	ND(0.36)	ND(0.38) [ND(0.35)]	ND(0.36)	ND(0.35)	ND(0.38)	ND(0.40)	ND(0.36)	ND(0.37)	ND(0.39)	ND(0.43)
3,3-Dichlorobenzidine	ND(0.72) J	ND(0.71)	ND(0.75) J [ND(0.69) J]	ND(0.70)	ND(0.70) J	ND(0.74)	ND(0.79)	ND(0.72) J	ND(0.73)	ND(0.77)	ND(0.85)
3-Nitroaniline	ND(0.72)	ND(0.71)	ND(0.75) [ND(0.69)]	ND(0.70)	ND(0.70)	ND(0.74)	ND(0.79)	ND(0.72)	ND(0.73)	ND(0.77)	ND(0.85)
4,6-Dinitro-2-methylphenol	ND(0.72)	ND(0.71)	ND(0.75) [ND(0.69)]	ND(0.70)	ND(0.70)	ND(0.74)	ND(0.79)	ND(0.72)	ND(0.73)	ND(0.77)	ND(0.85)
4-Bromophenyl phenyl ether	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
4-Chloro-3-methylphenol	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-23	RFI-36-24	RFI-36-24	RFI-36-24	RFI-36-24	RFI-36-25	RFI-36-25	RFI-36-25	RFI-36-25R	RFI-36-25R	RFI-36-25R
Sample Depth(feet):	8-10	0-2	10-12	6-8	8-10	0-2	12-14	8-10	11-13	1-3	7-9
Date Collected:	03/27/01	03/26/01	03/26/01	03/26/01	03/26/01	03/27/01	03/27/01	03/27/01	12/15/01	12/15/01	12/15/01
4-Chloroaniline	ND(0.72) J	ND(0.71) J	ND(0.75) J [ND(0.69) J]	ND(0.70) J	ND(0.70) J	ND(0.74) J	ND(0.79) J	ND(0.72) J	ND(0.73)	ND(0.77)	ND(0.85)
4-Chlorophenyl phenyl ether	ND(0.72)	ND(0.71)	ND(0.75) [ND(0.69)]	ND(0.70)	ND(0.70)	ND(0.74)	ND(0.79)	ND(0.72)	ND(0.73)	ND(0.77)	ND(0.85)
4-Nitroaniline	ND(0.72)	ND(0.71)	ND(0.75) [ND(0.69)]	ND(0.70)	ND(0.70)	ND(0.74)	ND(0.79)	ND(0.72)	ND(0.73)	ND(0.77)	ND(0.85)
4-Nitrophenol	ND(0.72)	ND(0.71)	ND(0.75) [ND(0.69)]	ND(0.70)	ND(0.70)	ND(0.74)	ND(0.79)	ND(0.72)	ND(0.73)	ND(0.77)	ND(0.85)
Acenaphthene	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
Acenaphthylene	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
Acetophenone	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
Anthracene	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
Atrazine	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
Benzaldehyde	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
Benzo(a)anthracene	ND(0.18)	ND(0.18)	ND(0.19) J [ND(0.18) J]	0.11 J	ND(0.18) J	ND(0.19)	ND(0.20)	ND(0.18) J	ND(0.19)	0.041 J	ND(0.21)
Benzo(a)pyrene	ND(0.18)	ND(0.18) J	ND(0.19) J [ND(0.18) J]	ND(0.18)	ND(0.18) J	ND(0.19) J	ND(0.20)	0.15 J	ND(0.19)	0.042 J	ND(0.21)
Benzo(b)fluoranthene	ND(0.18)	ND(0.18) J	ND(0.19) J [ND(0.18) J]	ND(0.18)	ND(0.18) J	ND(0.19) J	ND(0.20)	0.12 J	ND(0.19)	ND(0.20)	ND(0.21)
Benzo(g,h,i)perylene	ND(0.18) J	ND(0.18) J	ND(0.19) J [ND(0.18) J]	ND(0.18)	ND(0.18) J	ND(0.19) J	ND(0.20)	0.11 J	ND(0.19)	ND(0.20)	ND(0.21)
Benzo(k)fluoranthene	ND(0.18)	ND(0.18) J	ND(0.19) J [ND(0.18) J]	ND(0.18)	ND(0.18) J	ND(0.19) J	ND(0.20)	0.13 J	ND(0.19)	ND(0.20)	ND(0.21)
Biphenyl	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
bis(2-Chloroethoxy)methane	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
bis(2-Chloroethyl)ether	ND(0.035)	ND(0.035)	ND(0.037) [ND(0.034)]	ND(0.035)	ND(0.034)	ND(0.037)	ND(0.039)	ND(0.035)	ND(0.036)	ND(0.038)	ND(0.042)
bis(2-Chloroisopropyl)ether	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
bis(2-Ethylhexyl)phthalate	ND(0.18)	ND(0.18)	ND(0.19) J [ND(0.18) J]	0.11 J	ND(0.18) J	ND(0.19)	ND(0.20)	ND(0.18) J	ND(0.19)	ND(0.20)	ND(0.21)
Butyl benzylphthalate	ND(0.18)	ND(0.18)	ND(0.19) J [ND(0.18) J]	ND(0.18)	ND(0.18) J	ND(0.19)	ND(0.20)	ND(0.18) J	ND(0.19)	0.053 J	ND(0.21)
Caprolactam	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
Carbazole	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
Chrysene	ND(0.18)	ND(0.18)	ND(0.19) J [ND(0.18) J]	0.14 J	ND(0.18) J	ND(0.19)	ND(0.20)	0.092 J	ND(0.19)	0.059 J	ND(0.21)
Di-n-butylphthalate	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
Di-n-octyl phthalate	ND(0.18)	ND(0.18) J	ND(0.19) J [ND(0.18) J]	ND(0.18)	ND(0.18) J	ND(0.19) J	ND(0.20)	0.13 J	ND(0.19)	ND(0.20)	ND(0.21)
Dibenzo(a,h)anthracene	ND(0.18)	ND(0.18) J	ND(0.19) J [ND(0.18) J]	ND(0.18)	ND(0.18) J	ND(0.19) J	ND(0.20)	ND(0.18) J	ND(0.19)	ND(0.20)	ND(0.21)
Dibenzofuran	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
Diethyl phthalate	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	0.083 J	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	0.088 J	ND(0.20)	ND(0.21)
Dimethyl phthalate	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
Fluoranthene	0.18 J	ND(0.18)	ND(0.19) [ND(0.18)]	0.086 J	ND(0.18)	ND(0.19)	ND(0.20)	0.11 J	ND(0.19)	0.066 J	ND(0.21)
Fluorene	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
Hexachlorobenzene	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
Hexachlorobutadiene	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
Hexachlorocyclopentadiene	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
Hexachloroethane	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
Indeno(1,2,3-cd)pyrene	ND(0.18)	ND(0.18) J	ND(0.19) J [ND(0.18) J]	ND(0.18)	ND(0.18) J	ND(0.19) J	ND(0.20)	ND(0.18) J	ND(0.19)	ND(0.20)	ND(0.21)
Isophorone	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
Methylphenols, Total	ND(0.36)	ND(0.36)	ND(0.38) [ND(0.35)]	ND(0.36)	ND(0.35)	ND(0.38)	ND(0.40)	ND(0.36)	ND(0.37)	ND(0.39)	ND(0.43)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-23	RFI-36-24	RFI-36-24	RFI-36-24	RFI-36-24	RFI-36-25	RFI-36-25	RFI-36-25	RFI-36-25R	RFI-36-25R	RFI-36-25R
Sample Depth(feet):	8-10	0-2	10-12	6-8	8-10	0-2	12-14	8-10	11-13	1-3	7-9
Date Collected:	03/27/01	03/26/01	03/26/01	03/26/01	03/26/01	03/27/01	03/27/01	03/27/01	12/15/01	12/15/01	12/15/01
N-Nitrosodi-n-propylamine	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
N-Nitrosodiphenylamine	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
Naphthalene	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	0.064 J	ND(0.21)
Nitrobenzene	ND(0.072)	ND(0.071)	ND(0.075) [ND(0.069)]	ND(0.070)	ND(0.070)	ND(0.074)	ND(0.079)	ND(0.072)	ND(0.073)	ND(0.077)	ND(0.085)
Pentachlorophenol	ND(0.72)	ND(0.71)	ND(0.75) [ND(0.69)]	ND(0.70)	ND(0.70)	ND(0.74)	ND(0.79)	ND(0.72)	ND(0.73)	ND(0.77)	ND(0.85)
Phenanthrene	0.17 J	0.12 J	0.37 J [ND(0.18) J]	0.10 J	0.86 J	ND(0.19)	ND(0.20) J	ND(0.18)	ND(0.19)	0.12 J	ND(0.21)
Phenol	ND(0.18)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)
Pyrene	0.23	0.10 J	ND(0.19) J [ND(0.18) J]	0.18 J	ND(0.18) J	0.19	ND(0.20)	0.19 J	ND(0.19)	0.086 J	ND(0.21)
Inorganics											
Antimony	0.20 J	ND(0.38) J	ND(0.36) J [ND(0.39) J]	ND(0.42) J	ND(0.40) J	ND(0.27) J	ND(0.31) J	ND(0.28) J	ND(0.22)	ND(0.27)	ND(0.28)
Arsenic	3.6	7.1	3.3 [4.8]	4.6	6.3	7.8(RDC)	3.8	3.5	2.4	3	6.8
Barium	18 J	32 J	9.9 J [20 J]	15 J	25 J	110 J	8.7 J	7.7 J	5.8	26	73
Beryllium	0.14 J	0.54	0.16 J [0.099 J]	0.16 J	ND(0.22)	ND(0.15)	0.13 J	0.086 J	0.2	0.29	0.86
Cadmium	0.063 J	0.47 J	0.18 J [0.14 J]	0.14 J	0.20 J	0.16 J	0.13 J	0.066 J	0.079	0.13	0.21
Chromium	6.4	39 J	14 J [4.2 J]	22 J	5.4 J	28 J	5.1 J	3.2 J	4.7	13	21
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	2.7	3.2	3.5 [2.6]	3.1	3.4	8.3	3.2	2.1	3.6	3.4	13
Copper	14 J	39 J	54 J [19 J]	65 J	30 J	14 J	7.4 J	5.9 J	5.9	13	15
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)	ND(0.20)	0.10 J	ND(0.20)
Lead	5.3 J	15 J	7.8 J [4.0 J]	11 J	5.6 J	11 J	4.9 J	4.0 J	3.9	10	12
Manganese	130	330	150 [190]	210	300	380	160	91	92	260	630
Mercury	ND(0.075) J	ND(0.070)	ND(0.075) [ND(0.070)]	ND(0.070)	ND(0.073)	0.016 J	ND(0.080)	ND(0.073)	ND(0.076)	0.030 J	ND(0.086)
Nickel	8.4	22	10 [6.0]	11	7.6	23	8	5.1	5.4	10	32
Selenium	ND(1.3)	0.54 J	ND(1.4) [ND(1.5)]	ND(1.7)	ND(1.6)	ND(1.1)	ND(1.2)	ND(1.1)	ND(0.088)	0.24	0.28
Silver	0.18 J	0.43 J	0.055 J [ND(0.11)]	0.19 J	0.11 J	0.11 J	0.033 J	ND(0.081)	0.029 J	0.041 J	0.084 J
Thallium	ND(0.20)	0.37	0.077 J [ND(0.25)]	0.14 J	ND(0.26)	0.2	0.072 J	ND(0.18)	0.028 J	0.071 J	0.28
Vanadium	6.9	11	12 [8.1]	12	10	19	9.7	5.9	9.9	13	26
Zinc	29 J	17	34 [26]	35	34	42	29	21	24	34	50
PCBs											
Aroclor-1016	ND(0.036)	ND(0.035)	ND(0.037) [ND(0.035)]	ND(0.037)	ND(0.036)	0.037 R	ND(0.041)	ND(0.036)	ND(0.038)	ND(0.040)	ND(0.044)
Aroclor-1221	ND(0.036)	ND(0.035)	ND(0.037) [ND(0.035)]	ND(0.037)	ND(0.036)	0.037 R	ND(0.041)	ND(0.036)	ND(0.038)	ND(0.040)	ND(0.044)
Aroclor-1232	ND(0.036)	ND(0.035)	ND(0.037) [ND(0.035)]	ND(0.037)	ND(0.036)	0.037 R	ND(0.041)	ND(0.036)	ND(0.038)	ND(0.040)	ND(0.044)
Aroclor-1242	ND(0.036)	ND(0.035)	ND(0.037) [ND(0.035)]	ND(0.037)	ND(0.036)	0.037 R	ND(0.041)	ND(0.036)	ND(0.038)	ND(0.040)	ND(0.044)
Aroclor-1248	ND(0.036)	ND(0.035)	ND(0.037) [ND(0.035)]	ND(0.037)	ND(0.036)	0.037 R	ND(0.041)	ND(0.036)	ND(0.038)	ND(0.040)	ND(0.044)
Aroclor-1254	ND(0.036)	0.08	ND(0.037) [0.028 J]	ND(0.037)	ND(0.036)	0.037 R	ND(0.041)	ND(0.036)	ND(0.038)	ND(0.040)	ND(0.044)
Aroclor-1260	ND(0.036)	ND(0.035)	ND(0.037) [ND(0.035)]	ND(0.037)	ND(0.036)	0.037 R	ND(0.041)	ND(0.036)	ND(0.038)	ND(0.040)	ND(0.044)
Total PCBs	ND(0.036)	0.08	ND(0.037) [0.028]	ND(0.037)	ND(0.036)	NS	ND(0.041)	ND(0.036)	ND(0.038)	ND(0.040)	ND(0.044)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-26	RFI-36-26	RFI-36-26	RFI-36-26	RFI-36-27	RFI-36-27	RFI-36-27	RFI-36-27	RFI-36-28	RFI-36-28	RFI-36-28
Sample Depth(feet):	0-2	10-12	2-4	8-10	0-2	12-14	14-16	8-10	0-2	10-12	14-16
Date Collected:	03/26/01	03/27/01	03/27/01	03/27/01	03/26/01	03/26/01	03/26/01	03/26/01	03/29/01	03/29/01	03/29/01
Volatiles											
1,1,1-Trichloroethane	ND(0.038)	ND(0.036)	ND(0.036)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.037)	ND(0.037)
1,1,2,2-Tetrachloroethane	ND(0.076)	ND(0.073)	ND(0.071)	ND(0.076)	ND(0.076)	ND(0.073)	ND(0.077)	ND(0.075)	ND(0.084)	ND(0.074)	ND(0.074)
1,1,2-Trichloroethane	ND(0.038)	ND(0.036)	ND(0.036)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.037)	ND(0.037)
1,1-Dichloroethane	0.87	0.41	1.6	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.037)	ND(0.037)
1,1-Dichloroethene	0.071(RSVIA)	0.047	0.14(RSVIA)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.037)	ND(0.037)
1,2,4-Trichlorobenzene	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)
1,2-Dibromoethane (EDB)	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)
1,2-Dichlorobenzene	ND(0.076)	ND(0.073)	ND(0.071)	ND(0.076)	ND(0.076)	ND(0.073)	ND(0.077)	ND(0.075)	ND(0.084)	ND(0.074)	ND(0.074)
1,2-Dichloroethane	ND(0.038)	ND(0.036)	ND(0.036)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.037)	ND(0.037)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.038)	ND(0.036)	ND(0.036)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.037)	ND(0.037)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.076)	ND(0.073)	ND(0.071)	ND(0.076)	ND(0.076)	ND(0.073)	ND(0.077)	ND(0.075)	ND(0.084)	ND(0.074)	ND(0.074)
1,4-Dichlorobenzene	ND(0.076)	ND(0.073)	ND(0.071)	ND(0.076)	ND(0.076)	ND(0.073)	ND(0.077)	ND(0.075)	ND(0.084)	ND(0.074)	ND(0.074)
2-Butanone	ND(0.27)	ND(0.26)	0.039 J	ND(0.27)	ND(0.27)	ND(0.26)	ND(0.28)	ND(0.27)	ND(0.30)	ND(0.26)	ND(0.26)
2-Hexanone	ND(0.27)	ND(0.26)	ND(0.26)	ND(0.27)	ND(0.27)	ND(0.26)	ND(0.28)	ND(0.27)	ND(0.30) J	ND(0.26) J	ND(0.26) J
4-Methyl-2-pentanone	ND(0.27)	ND(0.26)	ND(0.26)	ND(0.27)	ND(0.27)	ND(0.26)	ND(0.28)	ND(0.27)	ND(0.30)	ND(0.26)	ND(0.26)
Acetone	ND(0.27)	ND(0.26)	0.074 J	ND(0.27)	ND(0.27)	ND(0.26)	ND(0.28)	ND(0.27)	ND(0.30)	ND(0.26)	ND(0.26)
Benzene	ND(0.038)	ND(0.036)	ND(0.036)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.037)	ND(0.037)
Benzene, isopropyl	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)
Bromodichloromethane	ND(0.076)	ND(0.073)	ND(0.071)	ND(0.076)	ND(0.076)	ND(0.073)	ND(0.077)	ND(0.075)	ND(0.084)	ND(0.074)	ND(0.074)
Bromoform	ND(0.076)	ND(0.073)	ND(0.071)	ND(0.076)	ND(0.076)	ND(0.073)	ND(0.077)	ND(0.075)	ND(0.084)	ND(0.074) J	ND(0.074)
Bromomethane	ND(0.16) J	ND(0.16) J	ND(0.15) J	ND(0.16) J	ND(0.16) J	ND(0.16) J	ND(0.17) J	ND(0.16) J	ND(0.18) J	ND(0.16)	ND(0.16) J
Carbon disulfide	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)
Carbon tetrachloride	ND(0.038)	ND(0.036)	ND(0.036)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.037)	ND(0.037)
Chlorobenzene	ND(0.038)	ND(0.036)	ND(0.036)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.037)	ND(0.037)
Chloroethane	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)
Chloroform	ND(0.038)	ND(0.036)	ND(0.036)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.037)	ND(0.037)
Chloromethane	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)
cis-1,2-Dichloroethene	ND(0.038)	0.053	0.21	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.037)	ND(0.037)
cis-1,3-Dichloropropene	ND(0.038)	ND(0.036)	ND(0.036)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.037)	ND(0.037)
Cyclohexane	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)
Dibromochloromethane	ND(0.076)	ND(0.073)	ND(0.071)	ND(0.076)	ND(0.076)	ND(0.073)	ND(0.077)	ND(0.075)	ND(0.084)	ND(0.074)	ND(0.074)
Dichlorodifluoromethane (CFC-12)	ND(0.076)	ND(0.073)	ND(0.071) J	ND(0.076)	ND(0.076)	ND(0.073)	ND(0.077)	ND(0.075)	ND(0.084) J	ND(0.074) J	ND(0.074) J
Ethylbenzene	ND(0.038)	ND(0.036)	ND(0.036)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.037)	ND(0.037)
m&p-Xylene	ND(0.076)	ND(0.073)	ND(0.071)	ND(0.076)	ND(0.076)	ND(0.073)	0.058 J	ND(0.075)	ND(0.084)	ND(0.074)	ND(0.074)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-26	RFI-36-26	RFI-36-26	RFI-36-26	RFI-36-27	RFI-36-27	RFI-36-27	RFI-36-27	RFI-36-28	RFI-36-28	RFI-36-28
Sample Depth(feet):	0-2	10-12	2-4	8-10	0-2	12-14	14-16	8-10	0-2	10-12	14-16
Date Collected:	03/26/01	03/27/01	03/27/01	03/27/01	03/26/01	03/26/01	03/26/01	03/26/01	03/29/01	03/29/01	03/29/01
Methyl acetate	ND(0.16) J	ND(0.16) J	ND(0.15) J	ND(0.16) J	ND(0.16) J	ND(0.16) J	ND(0.17) J	ND(0.16) J	ND(0.18) J	ND(0.16) J	ND(0.16) J
Methyl Tert Butyl Ether	ND(0.27)	ND(0.26)	ND(0.26)	ND(0.27)	ND(0.27)	ND(0.26)	ND(0.28)	ND(0.27)	ND(0.30)	ND(0.26)	ND(0.26)
Methylcyclohexane	ND(0.16)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)
Methylene chloride	ND(0.16)	ND(0.16)	0.038 J	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)
o-Xylene	ND(0.038)	ND(0.036)	ND(0.036)	ND(0.038)	ND(0.038)	ND(0.037)	0.053	ND(0.037)	ND(0.042)	ND(0.037)	ND(0.037)
Styrene	ND(0.038)	ND(0.036)	ND(0.036)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.037)	ND(0.037)
Tetrachloroethene	ND(0.038)	ND(0.036)	ND(0.036)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.037)	ND(0.037)
Toluene	ND(0.038)	ND(0.036)	ND(0.036)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.037)	ND(0.037)
trans-1,2-Dichloroethene	ND(0.038)	ND(0.036)	ND(0.036)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.037)	ND(0.037)
trans-1,3-Dichloropropene	ND(0.038)	ND(0.036)	ND(0.036)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.037)	ND(0.037)
Trichloroethene	ND(0.038)	0.085	0.16	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.037)	ND(0.037)
Trichlorofluoromethane (CFC-11)	ND(0.076)	ND(0.073)	ND(0.071)	ND(0.076)	ND(0.076)	ND(0.073)	ND(0.077)	ND(0.075)	ND(0.084)	ND(0.074)	ND(0.074)
Trifluorotrichloroethane (Freon 113)	ND(0.16)	ND(0.16)	ND(0.15) J	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18) J	ND(0.16) J	ND(0.16) J
Vinyl chloride	ND(0.038)	ND(0.036)	0.036(RSVIA)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.037)	ND(0.037)
Xylenes (total)	ND(0.076)	ND(0.073)	ND(0.071)	ND(0.076)	ND(0.076)	ND(0.073)	0.11	ND(0.075)	ND(0.084)	ND(0.074)	ND(0.074)
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	0.21
2,4,6-Trichlorophenol	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	0.24
2,4-Dichlorophenol	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
2,4-Dimethylphenol	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
2,4-Dinitrophenol	ND(0.72)	ND(0.70)	ND(0.71)	ND(0.72)	ND(0.72)	ND(0.69)	ND(0.73) J	ND(0.72)	ND(0.77)	ND(0.70)	ND(0.69)
2,4-Dinitrotoluene	ND(0.72)	ND(0.70)	ND(0.71)	ND(0.72)	ND(0.72)	ND(0.69)	ND(0.73) J	ND(0.72)	ND(0.77)	ND(0.70)	ND(0.69)
2,6-Dinitrotoluene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
2-Chloronaphthalene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
2-Chlorophenol	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
2-Methyl naphthalene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.34	1.3	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
2-Methylphenol	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
2-Nitroaniline	ND(0.72)	ND(0.70)	ND(0.71)	ND(0.72)	ND(0.72)	ND(0.69)	ND(0.73) J	ND(0.72)	ND(0.77)	ND(0.70)	ND(0.69)
2-Nitrophenol	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
3&4-Methylphenol	ND(0.36)	ND(0.35)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.37)	ND(0.39)	ND(0.35)	ND(0.35)
3,3-Dichlorobenzidine	ND(0.72) J	ND(0.70)	ND(0.71)	ND(0.72)	ND(0.72)	ND(0.69) J	ND(0.73) J	ND(0.72)	ND(0.77)	ND(0.70)	ND(0.69) J
3-Nitroaniline	ND(0.72)	ND(0.70)	ND(0.71)	ND(0.72)	ND(0.72)	ND(0.69)	ND(0.73) J	ND(0.72)	ND(0.77)	ND(0.70)	ND(0.69)
Dinitro-2-methylphenol	ND(0.72)	ND(0.70)	ND(0.71)	ND(0.72)	ND(0.72)	ND(0.69)	ND(0.73) J	ND(0.72)	ND(0.77)	ND(0.70)	ND(0.69)
ophenyl phenyl ether	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
-methylphenol	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-26	RFI-36-26	RFI-36-26	RFI-36-26	RFI-36-27	RFI-36-27	RFI-36-27	RFI-36-27	RFI-36-28	RFI-36-28	RFI-36-28
Sample Depth(feet):	0-2	10-12	2-4	8-10	0-2	12-14	14-16	8-10	0-2	10-12	14-16
Date Collected:	03/26/01	03/27/01	03/27/01	03/27/01	03/26/01	03/26/01	03/26/01	03/26/01	03/29/01	03/29/01	03/29/01
4-Chloroaniline	ND(0.72) J	ND(0.70) J	ND(0.71) J	ND(0.72) J	ND(0.72) J	ND(0.69)	ND(0.73) J	ND(0.72) J	ND(0.77) J	ND(0.70) J	ND(0.69) J
4-Chlorophenyl phenyl ether	ND(0.72)	ND(0.70)	ND(0.71)	ND(0.72)	ND(0.72)	ND(0.69)	ND(0.73) J	ND(0.72)	ND(0.77)	ND(0.70)	ND(0.69)
4-Nitroaniline	ND(0.72)	ND(0.70)	ND(0.71)	ND(0.72)	ND(0.72)	ND(0.69)	ND(0.73) J	ND(0.72)	ND(0.77)	ND(0.70)	ND(0.69)
4-Nitrophenol	ND(0.72)	ND(0.70)	ND(0.71)	ND(0.72)	ND(0.72)	ND(0.69)	ND(0.73) J	ND(0.72)	ND(0.77)	ND(0.70)	ND(0.69)
Acenaphthene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Acenaphthylene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Acetophenone	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Anthracene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Atrazine	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Benzaldehyde	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Benzo(a)anthracene	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18) J	0.20 J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Benzo(a)pyrene	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18) J	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Benzo(b)fluoranthene	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18) J	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Benzo(g,h,i)perylene	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18) J	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Benzo(k)fluoranthene	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18) J	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Biphenyl	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
bis(2-Chloroethoxy)methane	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
bis(2-Chloroethyl)ether	ND(0.035)	ND(0.034)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.034)	ND(0.036)	ND(0.035)	ND(0.038)	ND(0.034)	ND(0.034)
bis(2-Chloroisopropyl)ether	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
bis(2-Ethylhexyl)phthalate	0.14 J	ND(0.18)	ND(0.18)	ND(0.18)	0.085 J	ND(0.18) J	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Butyl benzylphthalate	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18) J	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Caprolactam	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Carbazole	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Chrysene	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18) J	0.43 J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Di-n-butylphthalate	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.050 J	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Di-n-octyl phthalate	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18) J	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Dibenzo(a,h)anthracene	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18) J	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Dibenzofuran	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Diethyl phthalate	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Dimethyl phthalate	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Fluoranthene	0.16 J	ND(0.18)	ND(0.18)	ND(0.18)	0.048 J	ND(0.18)	0.72 J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Fluorene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Hexachlorobenzene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Hexachlorobutadiene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Hexachlorocyclopentadiene	ND(0.18)	ND(0.18)	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Hexachloroethane	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Indeno(1,2,3-cd)pyrene	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18) J	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Isophorone	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Methylphenols, Total	ND(0.36)	ND(0.35)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.35)	ND(0.37)	ND(0.37)	ND(0.39)	ND(0.35)	ND(0.35)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-26	RFI-36-26	RFI-36-26	RFI-36-26	RFI-36-27	RFI-36-27	RFI-36-27	RFI-36-27	RFI-36-28	RFI-36-28	RFI-36-28
Sample Depth(feet):	0-2	10-12	2-4	8-10	0-2	12-14	14-16	8-10	0-2	10-12	14-16
Date Collected:	03/26/01	03/27/01	03/27/01	03/27/01	03/26/01	03/26/01	03/26/01	03/26/01	03/29/01	03/29/01	03/29/01
N-Nitrosodi-n-propylamine	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
N-Nitrosodiphenylamine	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Naphthalene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.22	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Nitrobenzene	ND(0.072)	ND(0.070)	ND(0.071)	ND(0.072)	ND(0.072)	ND(0.069)	ND(0.073)	ND(0.072)	ND(0.077)	ND(0.070)	ND(0.069)
Pentachlorophenol	ND(0.72)	ND(0.70)	ND(0.71)	ND(0.72)	ND(0.72)	ND(0.69)	ND(0.73) J	ND(0.72)	ND(0.77)	ND(0.70)	1.6
Phenanthrene	0.21 J	ND(0.18)	0.21 J	ND(0.18)	0.073 J	4.6 DJ	10 DJ	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Phenol	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Pyrene	0.20 J	ND(0.18)	ND(0.18)	ND(0.18)	0.041 J	0.80 J	1.3 J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.17)
Inorganics											
Antimony	ND(0.41) J	ND(0.33) J	ND(0.33) J	ND(0.28) J	0.46 J	ND(0.35) J	ND(0.40) J	ND(0.32) J	0.37 R	0.31 R	0.40 R
Arsenic	3.3	2.7	4.6	2.4	3.4	1.7	3.3	3.9	2.3 J	4.3 J	5.7 J
Barium	17 J	9.1 J	15 J	11 J	19 J	5.7 J	10 J	26 J	9.1 J	4.5 J	10 J
Beryllium	ND(0.22)	ND(0.18)	ND(0.18)	0.072 J	0.15 J	0.071 J	0.11 J	0.21	ND(0.20)	ND(0.17)	0.14 J
Cadmium	0.083 J	0.13 J	0.11 J	0.068 J	0.16 J	0.076 J	0.088 J	0.079 J	0.077 J	0.074 J	0.18 J
Chromium	13 J	5.8 J	28 J	3.4 J	8.7 J	3.5 J	4.8 J	5.7 J	7.9 J	2.5 J	6.5 J
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	4.1	2.2	3.5	1.8	6	1.6	2.6	3.5	39 J	1.7 J	3.5 J
Copper	16 J	11 J	34 J	6.9 J	66 J	11 J	22 J	9.2 J	14 J	6.2 J	9.3 J
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)	ND(0.20)	ND(0.20)
Lead	8.5 J	3.6 J	11 J	3.2 J	7.4 J	2.8 J	5.2 J	4.6 J	7.1 J	4.5 J	7.1 J
Manganese	160	110	210	91	130	95	140	130	97 J	110 J	220 J
Mercury	ND(0.071)	ND(0.073)	ND(0.073)	ND(0.074)	ND(0.073)	ND(0.070)	ND(0.066)	ND(0.072)	0.081 R	0.069 R	0.071 R
Nickel	10	5.7	16	4.5	6.8	4.2	6.6	8.9	5.5 J	4.0 J	9.8 J
Selenium	ND(1.6)	ND(1.3)	ND(1.3)	ND(1.1)	ND(1.9)	ND(1.4)	ND(1.6)	ND(1.3)	ND(1.5)	ND(1.3)	ND(1.6)
Silver	0.23 J	0.058 J	0.066 J	ND(0.081)	0.25 J	ND(0.10)	0.052 J	0.046 J	0.084 J	ND(0.091)	0.067 J
Thallium	ND(0.26)	0.095 J	ND(0.21)	ND(0.18)	ND(0.30)	ND(0.22)	ND(0.26)	ND(0.20)	ND(0.23)	ND(0.20)	0.091 J
Vanadium	5.7	6.1	8.2	5.2	7.7	4.9	7.5	8.6	4.3 J	3.6 J	8.9 J
Zinc	17	18	16	16	34	15	25	25	18 J	22 J	34 J
PCBs											
Aroclor-1016	ND(0.036)	ND(0.036)	0.035 R	ND(0.036)	ND(0.037)	ND(0.034)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.035)	ND(0.034)
Aroclor-1221	ND(0.036)	ND(0.036)	0.035 R	ND(0.036)	ND(0.037)	ND(0.034)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.035)	ND(0.034)
Aroclor-1232	ND(0.036)	ND(0.036)	0.035 R	ND(0.036)	ND(0.037)	ND(0.034)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.035)	ND(0.034)
Aroclor-1242	ND(0.036)	ND(0.036)	0.035 R	ND(0.036)	ND(0.037)	ND(0.034)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.035)	ND(0.034)
Aroclor-1248	ND(0.036)	ND(0.036)	0.035 R	ND(0.036)	ND(0.037)	ND(0.034)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.035)	ND(0.034)
Aroclor-1254	0.06	ND(0.036)	0.035 R	ND(0.036)	ND(0.037)	ND(0.034)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.035)	ND(0.034)
Aroclor-1260	ND(0.036)	ND(0.036)	0.035 R	ND(0.036)	ND(0.037)	ND(0.034)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.035)	ND(0.034)
Total PCBs	0.06	ND(0.036)	NS	ND(0.036)	ND(0.037)	ND(0.034)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.035)	ND(0.034)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-28	RFI-36-29	RFI-36-29	RFI-36-29	RFI-36-30	RFI-36-30	RFI-36-30	RFI-36-31	RFI-36-31
Sample Depth(feet):	8-10	0-2	10-12	8-10	0-2	10-12	8-10	0-2	10-12
Date Collected:	03/29/01	03/28/01	03/28/01	03/28/01	03/28/01	03/28/01	03/28/01	03/28/01	03/28/01
Volatiles									
1,1,1-Trichloroethane	0.15 [0.092]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.037)	ND(0.035)	ND(0.037)	ND(0.039)	ND(0.037)
1,1,2,2-Tetrachloroethane	ND(0.077) [ND(0.075)]	ND(0.079)	ND(0.072) [ND(0.072)]	ND(0.071)	ND(0.074)	ND(0.071)	ND(0.073)	ND(0.077)	ND(0.074)
1,1,2-Trichloroethane	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.037)	ND(0.035)	ND(0.037)	ND(0.039)	ND(0.037)
1,1-Dichloroethane	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.037)	ND(0.035)	ND(0.037)	ND(0.039)	ND(0.037)
1,1-Dichloroethene	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.037)	ND(0.035)	ND(0.037)	ND(0.039)	ND(0.037)
1,2,4-Trichlorobenzene	ND(0.17) [ND(0.16)]	ND(0.17)	ND(0.16) [ND(0.15)]	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.17)	ND(0.16)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17) [ND(0.16)]	ND(0.17)	ND(0.16) [ND(0.15)]	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.17)	ND(0.16)
1,2-Dibromoethane (EDB)	ND(0.17) [ND(0.16)]	ND(0.17)	ND(0.16) [ND(0.15)]	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.17)	ND(0.16)
1,2-Dichlorobenzene	ND(0.077) [ND(0.075)]	ND(0.079)	ND(0.072) [ND(0.072)]	ND(0.071)	ND(0.074)	ND(0.071)	ND(0.073)	ND(0.077)	ND(0.074)
1,2-Dichloroethane	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.037)	ND(0.035)	ND(0.037)	ND(0.039)	ND(0.037)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.037)	ND(0.035)	ND(0.037)	ND(0.039)	ND(0.037)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.077) [ND(0.075)]	ND(0.079)	ND(0.072) [ND(0.072)]	ND(0.071)	ND(0.074)	ND(0.071)	ND(0.073)	ND(0.077)	ND(0.074)
1,4-Dichlorobenzene	ND(0.077) [ND(0.075)]	ND(0.079)	ND(0.072) [ND(0.072)]	ND(0.071)	ND(0.074)	ND(0.071)	ND(0.073)	ND(0.077)	ND(0.074)
2-Butanone	ND(0.28) [ND(0.27)]	ND(0.28)	ND(0.26) [0.037 J]	ND(0.25)	ND(0.27)	ND(0.25)	ND(0.26)	0.041 J	ND(0.26)
2-Hexanone	ND(0.28) [ND(0.27)]	ND(0.28) J	ND(0.26) J [ND(0.26) J]	ND(0.25) J	ND(0.27) J	ND(0.25) J	ND(0.26) J	ND(0.28) J	ND(0.26) J
4-Methyl-2-pentanone	ND(0.28) [ND(0.27)]	ND(0.28)	ND(0.26) [ND(0.26)]	ND(0.25)	ND(0.27)	ND(0.25)	ND(0.26)	0.85	ND(0.26)
Acetone	0.050 J [ND(0.27)]	0.056 J	ND(0.26) J [0.062 J]	0.080 J	0.094 J	0.079 J	ND(0.26) J	0.078 J	ND(0.26)
Benzene	ND(0.039) [ND(0.037)]	ND(0.039)	0.23 [0.19]	ND(0.036)	1.5	1.3	9.3 D(RSVIA,ISVIA)	ND(0.039)	ND(0.037)
Benzene, isopropyl	ND(0.17) [ND(0.16)]	ND(0.17)	ND(0.16) [ND(0.15)]	ND(0.15)	ND(0.16)	0.56	1.4	ND(0.17)	ND(0.16)
Bromodichloromethane	ND(0.077) [ND(0.075)]	ND(0.079)	ND(0.072) [ND(0.072)]	ND(0.071)	ND(0.074)	ND(0.071)	ND(0.073)	ND(0.077)	ND(0.074)
Bromoform	ND(0.077) [ND(0.075)]	ND(0.079)	ND(0.072) [ND(0.072)]	ND(0.071)	ND(0.074)	ND(0.071)	ND(0.073)	ND(0.077)	ND(0.074)
Bromomethane	ND(0.17) J [ND(0.16) J]	ND(0.17) J	ND(0.16) J [ND(0.15) J]	ND(0.15) J	ND(0.16) J	ND(0.15) J	ND(0.16) J	ND(0.17) J	ND(0.16) J
Carbon disulfide	ND(0.17) [ND(0.16)]	ND(0.17)	ND(0.16) [ND(0.15)]	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.17)	ND(0.16)
Carbon tetrachloride	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.037)	ND(0.035)	ND(0.037)	ND(0.039)	ND(0.037)
Chlorobenzene	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.037)	ND(0.035)	ND(0.037)	ND(0.039)	ND(0.037)
Chloroethane	ND(0.17) [ND(0.16)]	ND(0.17)	ND(0.16) [ND(0.15)]	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.17)	ND(0.16)
Chloroform	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.037)	ND(0.035)	ND(0.037)	ND(0.039)	ND(0.037)
Chloromethane	ND(0.17) [ND(0.16)]	ND(0.17)	ND(0.16) [ND(0.15)]	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.17)	ND(0.16)
cis-1,2-Dichloroethene	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.036)	0.087	ND(0.035)	ND(0.037)	ND(0.039)	ND(0.037)
cis-1,3-Dichloropropene	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.037)	ND(0.035)	ND(0.037)	ND(0.039)	ND(0.037)
Cyclohexane	ND(0.17) [ND(0.16)]	ND(0.17)	ND(0.16) [ND(0.15)]	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.16)	ND(0.17)	ND(0.16)
Dibromochloromethane	ND(0.077) [ND(0.075)]	ND(0.079)	ND(0.072) [ND(0.072)]	ND(0.071)	ND(0.074)	ND(0.071)	ND(0.073)	ND(0.077)	ND(0.074)
Dichlorodifluoromethane (CFC-12)	ND(0.077) J [ND(0.075) J]	ND(0.079) J	ND(0.072) J [ND(0.072)]	ND(0.071) J	ND(0.074) J	ND(0.071) J	ND(0.073)	ND(0.077) J	ND(0.074) J
Ethylbenzene	ND(0.039) [ND(0.037)]	ND(0.039)	0.047 [0.042]	ND(0.036)	0.54	7.8 D	28 D	ND(0.039)	0.069
m&p-Xylene	ND(0.077) [ND(0.075)]	ND(0.079)	ND(0.072) [ND(0.072)]	ND(0.071)	1.4	22 D	74 D	ND(0.077)	0.19

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-28	RFI-36-29	RFI-36-29	RFI-36-29	RFI-36-30	RFI-36-30	RFI-36-30	RFI-36-31	RFI-36-31
Sample Depth(feet):	8-10	0-2	10-12	8-10	0-2	10-12	8-10	0-2	10-12
Date Collected:	03/29/01	03/28/01	03/28/01	03/28/01	03/28/01	03/28/01	03/28/01	03/28/01	03/28/01
Methyl acetate	ND(0.17) J [ND(0.16) J]	ND(0.17) J	ND(0.16) J [ND(0.15) J]	ND(0.15) J	ND(0.16) J	ND(0.15) J	ND(0.16) J	ND(0.17) J	ND(0.16) J
Methyl Tert Butyl Ether	ND(0.28) [ND(0.27)]	ND(0.28)	ND(0.26) [ND(0.26)]	ND(0.25)	ND(0.27)	ND(0.25)	ND(0.26)	ND(0.28)	ND(0.26)
Methylcyclohexane	ND(0.17) [ND(0.16)]	0.12 J	0.073 J [0.069 J]	ND(0.15)	0.048 J	0.27	1	ND(0.17)	ND(0.16)
Methylene chloride	ND(0.17) [ND(0.16)]	ND(0.17)	ND(0.16) [ND(0.15)]	0.039 J	ND(0.16)	0.041 J	ND(0.16)	0.12 J	ND(0.16)
o-Xylene	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.036)	0.45	9.7 D	30 D	ND(0.039)	0.077
Styrene	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.037)	ND(0.035)	ND(0.037)	ND(0.039)	ND(0.037)
Tetrachloroethene	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.037)	ND(0.035)	ND(0.037)	ND(0.039)	ND(0.037)
Toluene	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.036)	3.7	21 D	100 D	ND(0.039)	0.18
trans-1,2-Dichloroethene	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.037)	ND(0.035)	ND(0.037)	ND(0.039)	ND(0.037)
trans-1,3-Dichloropropene	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.037)	ND(0.035)	ND(0.037)	ND(0.039)	ND(0.037)
Trichloroethene	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.036)	0.049	ND(0.035)	0.14	ND(0.039)	ND(0.037)
Trichlorofluoromethane (CFC-11)	ND(0.077) [ND(0.075)]	ND(0.079)	ND(0.072) [ND(0.072)]	ND(0.071)	ND(0.074)	ND(0.071)	ND(0.073)	ND(0.077)	ND(0.074)
Trifluorotrichloroethane (Freon 113)	ND(0.17) J [ND(0.16) J]	ND(0.17) J	ND(0.16) J [ND(0.15) J]	ND(0.15) J	ND(0.16) J	ND(0.15) J	ND(0.16)	ND(0.17) J	ND(0.16) J
Vinyl chloride	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.037)	ND(0.035)	ND(0.037)	ND(0.039)	ND(0.037)
Xylenes (total)	ND(0.077) [ND(0.075)]	ND(0.079)	ND(0.072) [ND(0.072)]	ND(0.071)	1.9	32	100	ND(0.077)	0.27
Semivolatiles									
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
2,4,6-Trichlorophenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
2,4-Dichlorophenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
2,4-Dimethylphenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
2,4-Dinitrophenol	ND(0.72) [ND(0.72)]	ND(0.75)	ND(0.69) [ND(0.69)]	ND(0.69)	ND(0.72)	ND(0.70)	ND(0.70)	ND(0.73)	ND(0.72)
2,4-Dinitrotoluene	ND(0.72) [ND(0.72)]	ND(0.75)	ND(0.69) [ND(0.69)]	ND(0.69)	ND(0.72)	ND(0.70)	ND(0.70)	ND(0.73)	ND(0.72)
2,6-Dinitrotoluene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
2-Chloronaphthalene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
2-Chlorophenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
2-Methyl naphthalene	ND(0.18) [ND(0.18)]	2.9 J	0.39 J [0.74 J]	0.18 J	ND(0.18) J	0.32 J	ND(0.18) J	0.40 J	ND(0.18)
2-Methylphenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
2-Nitroaniline	ND(0.72) [ND(0.72)]	ND(0.75)	ND(0.69) [ND(0.69)]	ND(0.69)	ND(0.72)	ND(0.70)	ND(0.70)	ND(0.73)	ND(0.72)
2-Nitrophenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
3&4-Methylphenol	ND(0.36) [ND(0.36)]	ND(0.38)	ND(0.35) [ND(0.35)]	ND(0.35)	ND(0.36)	ND(0.35)	ND(0.36)	1	ND(0.36)
3,3-Dichlorobenzidine	ND(0.72) J [ND(0.72) J]	ND(0.75) J	ND(0.69) J [ND(0.69) J]	ND(0.69)	ND(0.72) J	ND(0.70) J	ND(0.70) J	ND(0.73) J	ND(0.72) J
3-Nitroaniline	ND(0.72) [ND(0.72)]	ND(0.75)	ND(0.69) [ND(0.69)]	ND(0.69)	ND(0.72)	ND(0.70)	ND(0.70)	ND(0.73)	ND(0.72)
4,6-Dinitro-2-methylphenol	ND(0.72) J [ND(0.72) J]	ND(0.75) J	ND(0.69) J [ND(0.69) J]	ND(0.69)	ND(0.72)	ND(0.70)	ND(0.70)	ND(0.73) J	ND(0.72)
4-Bromophenyl phenyl ether	ND(0.18) J [ND(0.18) J]	ND(0.19)	ND(0.18) J [ND(0.18) J]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
4-Chloro-3-methylphenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-28	RFI-36-29	RFI-36-29	RFI-36-29	RFI-36-30	RFI-36-30	RFI-36-30	RFI-36-31	RFI-36-31
Sample Depth(feet):	8-10	0-2	10-12	8-10	0-2	10-12	8-10	0-2	10-12
Date Collected:	03/29/01	03/28/01	03/28/01	03/28/01	03/28/01	03/28/01	03/28/01	03/28/01	03/28/01
4-Chloroaniline	ND(0.72) J [ND(0.72) J]	ND(0.75) J	ND(0.69) J [ND(0.69) J]	ND(0.69) J	ND(0.72) J	ND(0.70) J	ND(0.70) J	ND(0.73) J	ND(0.72) J
4-Chlorophenyl phenyl ether	ND(0.72) [ND(0.72)]	ND(0.75) J	ND(0.69) [ND(0.69)]	ND(0.69)	ND(0.72)	ND(0.70)	ND(0.70)	ND(0.73) J	ND(0.72)
4-Nitroaniline	ND(0.72) [ND(0.72)]	ND(0.75)	ND(0.69) [ND(0.69)]	ND(0.69)	ND(0.72)	ND(0.70)	ND(0.70)	ND(0.73)	ND(0.72)
4-Nitrophenol	ND(0.72) [ND(0.72)]	ND(0.75)	ND(0.69) [ND(0.69)]	ND(0.69)	ND(0.72)	ND(0.70)	ND(0.70)	ND(0.73)	ND(0.72)
Acenaphthene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	1.2 J	ND(0.18)
Acenaphthylene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
Acetophenone	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
Anthracene	ND(0.18) J [ND(0.18) J]	ND(0.19) J	ND(0.18) J [0.13 J]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	1.1 J	ND(0.18)
Atrazine	ND(0.18) J [ND(0.18) J]	ND(0.19) J	ND(0.18) [ND(0.18) J]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.18)
Benzaldehyde	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
Benzo(a)anthracene	ND(0.18) J [ND(0.18) J]	0.23 J	ND(0.18) J [0.40 J]	ND(0.17)	ND(0.18) J	ND(0.18)	ND(0.18) J	7.0 DJ	ND(0.18)
Benzo(a)pyrene	ND(0.18) J [ND(0.18) J]	ND(0.19) J	ND(0.18) J [ND(0.18) J]	ND(0.17)	ND(0.18) J	ND(0.18)	ND(0.18) J	6.2 DJ(RDC)	ND(0.18) J
Benzo(b)fluoranthene	ND(0.18) J [ND(0.18) J]	ND(0.19) J	ND(0.18) J [ND(0.18) J]	ND(0.17)	ND(0.18) J	ND(0.18)	ND(0.18) J	6.2 DJ	ND(0.18) J
Benzo(g,h,i)perylene	ND(0.18) J [ND(0.18) J]	ND(0.19) J	ND(0.18) J [ND(0.18) J]	ND(0.17)	ND(0.18) J	ND(0.18)	ND(0.18) J	6.9 DJ	ND(0.18) J
Benzo(k)fluoranthene	ND(0.18) J [ND(0.18) J]	ND(0.19) J	ND(0.18) J [ND(0.18) J]	ND(0.17)	ND(0.18) J	ND(0.18)	ND(0.18) J	4.0 DJ	ND(0.18) J
Biphenyl	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [0.097 J]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	0.35 J	ND(0.18)
bis(2-Chloroethoxy)methane	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
bis(2-Chloroethyl)ether	ND(0.035) [ND(0.035)]	ND(0.037)	ND(0.034) [ND(0.034)]	ND(0.034)	ND(0.035)	ND(0.034)	ND(0.035)	ND(0.036)	ND(0.035)
bis(2-Chloroisopropyl)ether	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
bis(2-Ethylhexyl)phthalate	ND(0.18) J [ND(0.18) J]	ND(0.19) J	ND(0.18) J [ND(0.18) J]	ND(0.17)	ND(0.18) J	ND(0.18)	ND(0.18) J	1.2 J	ND(0.18)
Butyl benzylphthalate	ND(0.18) J [ND(0.18) J]	ND(0.19) J	ND(0.18) J [ND(0.18) J]	ND(0.17)	ND(0.18) J	ND(0.18)	ND(0.18) J	ND(0.19) J	ND(0.18)
Caprolactam	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
Carbazole	ND(0.18) J [ND(0.18) J]	ND(0.19) J	ND(0.18) J [ND(0.18) J]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	2.5	ND(0.18)
Chrysene	ND(0.18) J [ND(0.18) J]	0.46 J	ND(0.18) J [0.92 J]	ND(0.17)	0.37 J	ND(0.18)	0.59 J	7.0 DJ	ND(0.18)
Di-n-butylphthalate	ND(0.18) J [ND(0.18) J]	ND(0.19) J	ND(0.18) J [ND(0.18) J]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
Di-n-octyl phthalate	ND(0.18) J [ND(0.18) J]	ND(0.19) J	ND(0.18) J [ND(0.18) J]	ND(0.17)	ND(0.18) J	ND(0.18)	ND(0.18) J	ND(0.19) J	ND(0.18) J
Dibenzo(a,h)anthracene	ND(0.18) J [ND(0.18) J]	ND(0.19) J	ND(0.18) J [ND(0.18) J]	ND(0.17)	ND(0.18) J	ND(0.18)	ND(0.18) J	1.1 J	ND(0.18) J
Dibenzofuran	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	1.1 J	ND(0.18)
Diethyl phthalate	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
Dimethyl phthalate	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
Fluoranthene	ND(0.18) J [ND(0.18) J]	ND(0.19) J	ND(0.18) J [ND(0.18) J]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	13 D	ND(0.18)
Fluorene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [0.23]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	0.98 J	ND(0.18)
Hexachlorobenzene	ND(0.18) J [ND(0.18) J]	ND(0.19) J	ND(0.18) J [ND(0.18) J]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
Hexachlorobutadiene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
Hexachlorocyclopentadiene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
Hexachloroethane	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
Indeno(1,2,3-cd)pyrene	ND(0.18) J [ND(0.18) J]	ND(0.19) J	ND(0.18) J [ND(0.18) J]	ND(0.17)	ND(0.18) J	ND(0.18)	ND(0.18) J	6.8 DJ	ND(0.18) J
Isophorone	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
Methylphenols, Total	ND(0.36) [ND(0.36)]	ND(0.38)	ND(0.35) [ND(0.35)]	ND(0.35)	ND(0.36)	ND(0.35)	ND(0.36)	1	ND(0.36)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-28	RFI-36-29	RFI-36-29	RFI-36-29	RFI-36-30	RFI-36-30	RFI-36-30	RFI-36-31	RFI-36-31
Sample Depth(feet):	8-10	0-2	10-12	8-10	0-2	10-12	8-10	0-2	10-12
Date Collected:	03/29/01	03/28/01	03/28/01	03/28/01	03/28/01	03/28/01	03/28/01	03/28/01	03/28/01
N-Nitrosodi-n-propylamine	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
N-Nitrosodiphenylamine	ND(0.18) J [ND(0.18) J]	ND(0.19) J	ND(0.18) J [ND(0.18) J]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
Naphthalene	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	0.3	0.53	0.18 J	ND(0.18)
Nitrobenzene	ND(0.072) [ND(0.072)]	ND(0.075)	ND(0.069) [ND(0.069)]	ND(0.069)	ND(0.072)	ND(0.070)	ND(0.070)	ND(0.073)	ND(0.072)
Pentachlorophenol	ND(0.72) J [ND(0.72) J]	ND(0.75) J	ND(0.69) [ND(0.69) J]	ND(0.69)	ND(0.72)	ND(0.70)	ND(0.70)	ND(0.73)	ND(0.72)
Phenanthrene	0.33 J [ND(0.18) J]	1.2 J	ND(0.18) J [1.9 J]	ND(0.17)	0.49	ND(0.18)	0.71	9.3 DJ	ND(0.18)
Phenol	ND(0.18) [ND(0.18)]	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.18)
Pyrene	0.31 J [ND(0.18) J]	1.3 J	ND(0.18) J [1.3 J]	ND(0.17)	0.61 J	ND(0.18)	ND(0.18) J	18 DJ	ND(0.18)
Inorganics									
Antimony	0.47 R [0.45 R]	0.35 R	ND(0.31) J [ND(0.37) J]	ND(0.40) J	ND(0.43) J	ND(0.38) J	ND(0.29) J	0.34 R	0.41 R
Arsenic	3.5 J [3.2 J]	2.3 J	2.9 [2.4]	2.4	3.8	3.6	2.5	2.2 J	2.6 J
Barium	21 J [21 J]	46 J	9.5 J [8.3 J]	6.2 J	23 J	6.8 J	7.3 J	18 J	3.4 J
Beryllium	0.21 J [0.16 J]	0.27 J	0.13 J [0.099 J]	0.085 J	0.22 J	0.10 J	0.074 J	0.16 J	ND(0.22)
Cadmium	0.18 J [0.75 J]	0.14 J	0.14 [0.081 J]	0.093 J	0.35	0.12	0.061	0.14 J	0.043 J
Chromium	10 J [15 J]	11 J	6.7 [5.5]	3.3	23	4.2	3.1	13 J	3.1 J
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	20 J [42 J]	6.2 J	3.1 [2.3]	1.8	4.4	2.2	1.7	3.0 J	1.6 J
Copper	16 J [22 J]	13 J	9.4 J [7.2 J]	5.2 J	170 J	8.0 J	6.9 J	35 J	8.1 J
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)	ND(0.20)	ND(0.20)
Lead	13 J [9.7 J]	16 J	4.7 J [3.3 J]	2.7 J	24 J	3.8 J	3.4 J	5.8 J	2.9 J
Manganese	200 J [240 J]	930 J	220 [160]	190	290	52	42	200 J	51 J
Mercury	0.072 R [0.075 R]	0.076 R	ND(0.069) J [ND(0.071) J]	ND(0.072) J	0.016 J	ND(0.072) J	ND(0.074)	0.074 R	0.075 R
Nickel	9.7 J [10 J]	11 J	8 [5.7]	4.5	10	6.1	4.7	9.7 J	3.7 J
Selenium	ND(1.9) [ND(1.8)]	ND(1.4)	ND(1.2) [ND(1.5)]	ND(1.6)	ND(1.7)	ND(1.5)	ND(0.13)	ND(1.3)	ND(1.6)
Silver	0.12 J [0.15 J]	0.065 J	0.12 J [0.099 J]	0.070 J	0.095 J	0.068 J	ND(0.33) J	0.045 J	ND(0.12)
Thallium	ND(0.30) [ND(0.29)]	0.11 J	0.068 J [ND(0.23)]	ND(0.26)	ND(0.27)	ND(0.24)	ND(0.18)	ND(0.21)	ND(0.26)
Vanadium	10 J [8.9 J]	13 J	7.6 [6.7]	5.5	17	6.2	5.3	6.9 J	4.6 J
Zinc	32 J [28 J]	36 J	23 J [23 J]	16 J	140 J	26 J	19 J	33 J	17 J
PCBs									
Aroclor-1016	ND(0.036) [ND(0.036)]	ND(0.037)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.038)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.036)
Aroclor-1221	ND(0.036) [ND(0.036)]	ND(0.037)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.038)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.036)
Aroclor-1232	ND(0.036) [ND(0.036)]	ND(0.037)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.038)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.036)
Aroclor-1242	ND(0.036) [ND(0.036)]	ND(0.037)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.038)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.036)
Aroclor-1248	ND(0.036) [ND(0.036)]	ND(0.037)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.038)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.036)
Aroclor-1254	ND(0.036) [ND(0.036)]	ND(0.037)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.038)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.036)
Aroclor-1260	ND(0.036) [ND(0.036)]	ND(0.037)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.038)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.036)
Total PCBs	ND(0.036) [ND(0.036)]	ND(0.037)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.038)	ND(0.035)	ND(0.037)	ND(0.037)	ND(0.036)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-31	RFI-36-32	RFI-36-32	RFI-36-32	RFI-36-32	RFI-36-33	RFI-36-33	RFI-36-33	RFI-36-34	RFI-36-34	RFI-36-35
Sample Depth(feet):	8-10	0-2	12-14	16-18	8-10	0-2	16-18	8-10	0.9-2.9	6.9-8.9	0-2
Date Collected:	03/28/01	03/28/01	03/28/01	03/28/01	03/28/01	03/29/01	03/29/01	03/29/01	06/28/01	06/28/01	03/27/01
Volatiles											
1,1,1-Trichloroethane	ND(0.038)	ND(0.039)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)
1,1,2,2-Tetrachloroethane	ND(0.077)	ND(0.077)	ND(0.071)	ND(0.072) [ND(0.072)]	ND(0.078)	ND(0.076)	ND(0.072)	ND(0.081)	ND(0.078)	ND(0.079)	ND(0.078)
1,1,2-Trichloroethane	ND(0.038)	ND(0.039)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)
1,1-Dichloroethane	ND(0.038)	ND(0.039)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)
1,1-Dichloroethene	ND(0.038)	ND(0.039)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)
1,2,4-Trichlorobenzene	ND(0.16)	ND(0.17)	ND(0.15)	ND(0.15) [ND(0.15)]	ND(0.17)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16)	ND(0.17)	ND(0.15)	ND(0.15) [ND(0.15)]	ND(0.17)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)
1,2-Dibromoethane (EDB)	ND(0.16)	ND(0.17)	ND(0.15)	ND(0.15) [ND(0.15)]	ND(0.17)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)
1,2-Dichlorobenzene	ND(0.077)	ND(0.077)	ND(0.071)	ND(0.072) [ND(0.072)]	ND(0.078)	ND(0.076)	ND(0.072)	ND(0.081)	ND(0.078)	ND(0.079)	ND(0.078)
1,2-Dichloroethane	ND(0.038)	ND(0.039)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.038)	ND(0.039)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.077)	ND(0.077)	ND(0.071)	ND(0.072) [ND(0.072)]	ND(0.078)	ND(0.076)	ND(0.072)	ND(0.081)	ND(0.078)	ND(0.079)	ND(0.078)
1,4-Dichlorobenzene	ND(0.077)	ND(0.077)	ND(0.071)	ND(0.072) [ND(0.072)]	ND(0.078)	ND(0.076)	ND(0.072)	ND(0.081)	ND(0.078)	ND(0.079)	ND(0.078)
2-Butanone	ND(0.27)	ND(0.28)	ND(0.25)	ND(0.26) [ND(0.26)]	ND(0.28)	ND(0.27)	ND(0.26)	ND(0.29)	ND(0.28)	ND(0.28)	ND(0.28)
2-Hexanone	ND(0.27) J	ND(0.28) J	ND(0.25)	ND(0.26) J [ND(0.26) J]	ND(0.28)	ND(0.27)	ND(0.26)	ND(0.29)	ND(0.28)	ND(0.28)	ND(0.28) J
4-Methyl-2-pentanone	ND(0.27)	ND(0.28)	ND(0.25)	ND(0.26) [ND(0.26)]	ND(0.28)	ND(0.27)	ND(0.26)	ND(0.29)	ND(0.28)	ND(0.28)	ND(0.28)
Acetone	0.083 J	ND(0.28)	0.084 J	ND(0.26) J [0.051 J]	ND(0.28)	0.052 J	0.051 J	0.063 J	0.20 J	0.087 J	ND(0.28) J
Benzene	0.056	ND(0.039)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)
Benzene, isopropyl	ND(0.16)	ND(0.17)	ND(0.15)	ND(0.15) [ND(0.15)]	ND(0.17)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)
Bromodichloromethane	ND(0.077)	ND(0.077)	ND(0.071)	ND(0.072) [ND(0.072)]	ND(0.078)	ND(0.076)	ND(0.072)	ND(0.081)	ND(0.078)	ND(0.079)	ND(0.078)
Bromoform	ND(0.077)	ND(0.077) J	ND(0.071)	ND(0.072) [ND(0.072)]	ND(0.078)	ND(0.076)	ND(0.072)	ND(0.081)	ND(0.078)	ND(0.079)	ND(0.078)
Bromomethane	ND(0.16) J	ND(0.17)	ND(0.15) J	ND(0.15) J [ND(0.15) J]	ND(0.17) J	ND(0.16) J	ND(0.15) J	ND(0.17) J	ND(0.17) J	ND(0.17)	ND(0.17) J
Carbon disulfide	ND(0.16)	ND(0.17)	ND(0.15)	ND(0.15) [ND(0.15)]	ND(0.17)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)
Carbon tetrachloride	ND(0.038)	ND(0.039)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)
Chlorobenzene	ND(0.038)	ND(0.039)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)
Chloroethane	ND(0.16)	ND(0.17)	ND(0.15)	ND(0.15) [ND(0.15)]	ND(0.17)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)
Chloroform	ND(0.038)	ND(0.039)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)
Chloromethane	ND(0.16)	ND(0.17)	ND(0.15)	ND(0.15) [ND(0.15)]	ND(0.17)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)
cis-1,2-Dichloroethene	ND(0.038)	ND(0.039)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)
cis-1,3-Dichloropropene	ND(0.038)	ND(0.039)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)
Cyclohexane	ND(0.16)	ND(0.17)	ND(0.15)	ND(0.15) [ND(0.15)]	ND(0.17)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)
Dibromochloromethane	ND(0.077)	ND(0.077)	ND(0.071)	ND(0.072) [ND(0.072)]	ND(0.078)	ND(0.076)	ND(0.072)	ND(0.081)	ND(0.078)	ND(0.079)	ND(0.078)
Dichlorodifluoromethane (CFC-12)	ND(0.077) J	ND(0.077) J	ND(0.071) J	ND(0.072) J [ND(0.072) J]	ND(0.078) J	ND(0.076) J	ND(0.072)	ND(0.081) J	ND(0.078)	ND(0.079)	ND(0.078) J
Ethylbenzene	0.11	ND(0.039)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)
m&p-Xylene	0.33	0.061 J	ND(0.071)	ND(0.072) [ND(0.072)]	ND(0.078)	ND(0.076)	0.037 J	ND(0.081)	ND(0.078)	ND(0.079)	ND(0.078)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-31	RFI-36-32	RFI-36-32	RFI-36-32	RFI-36-32	RFI-36-33	RFI-36-33	RFI-36-33	RFI-36-34	RFI-36-34	RFI-36-35
Sample Depth(feet):	8-10	0-2	12-14	16-18	8-10	0-2	16-18	8-10	0.9-2.9	6.9-8.9	0-2
Date Collected:	03/28/01	03/28/01	03/28/01	03/28/01	03/28/01	03/29/01	03/29/01	03/29/01	06/28/01	06/28/01	03/27/01
Methyl acetate	ND(0.16) J	ND(0.17) J	ND(0.15) J	ND(0.15) J [ND(0.15) J]	ND(0.17) J	ND(0.16) J	ND(0.15) J	ND(0.17) J	0.11 J	ND(0.17)	ND(0.17) J
Methyl Tert Butyl Ether	ND(0.27)	ND(0.28)	ND(0.25)	ND(0.26) [ND(0.26)]	ND(0.28)	ND(0.27)	ND(0.26)	ND(0.29)	ND(0.28)	ND(0.28)	ND(0.28)
Methylcyclohexane	ND(0.16)	ND(0.17)	ND(0.15)	ND(0.15) [ND(0.15)]	ND(0.17)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)
Methylene chloride	0.043 J	ND(0.17)	ND(0.15)	ND(0.15) [ND(0.15)]	ND(0.17)	ND(0.16)	ND(0.15)	ND(0.17)	0.052 J	0.031 J	0.050 J
o-Xylene	0.13	ND(0.039)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)
Styrene	ND(0.038)	ND(0.039)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)
Tetrachloroethene	ND(0.038)	ND(0.039)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.039) J	ND(0.040)	ND(0.039)
Toluene	0.4	0.099	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.038)	0.07	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)
trans-1,2-Dichloroethene	ND(0.038)	ND(0.039)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)
trans-1,3-Dichloropropene	ND(0.038)	ND(0.039)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)
Trichloroethene	ND(0.038)	ND(0.039)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)
Trichlorofluoromethane (CFC-11)	ND(0.077)	ND(0.077)	ND(0.071)	ND(0.072) [ND(0.072)]	ND(0.078)	ND(0.076)	ND(0.072)	ND(0.081)	ND(0.078)	ND(0.079)	ND(0.078)
Trifluorotrichloroethane (Freon 113)	ND(0.16) J	ND(0.17) J	ND(0.15) J	ND(0.15) J [ND(0.15) J]	ND(0.17) J	ND(0.16) J	ND(0.15) J	ND(0.17) J	ND(0.17)	ND(0.17)	ND(0.17) J
Vinyl chloride	ND(0.038)	ND(0.039)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)
Xylenes (total)	0.46	0.061	ND(0.071)	ND(0.072) [ND(0.072)]	ND(0.078)	ND(0.076)	0.037	ND(0.081)	ND(0.078)	ND(0.079)	ND(0.078)
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
2,4,6-Trichlorophenol	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
2,4-Dichlorophenol	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
2,4-Dimethylphenol	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
2,4-Dinitrophenol	ND(0.74)	ND(0.73)	ND(0.69)	ND(0.69) [ND(0.69)]	ND(0.75)	ND(0.74)	ND(0.69)	ND(0.76)	ND(0.75)	ND(0.75)	ND(0.75)
2,4-Dinitrotoluene	ND(0.74)	ND(0.73)	ND(0.69)	ND(0.69) [ND(0.69)]	ND(0.75)	ND(0.74)	ND(0.69)	ND(0.76)	ND(0.75)	ND(0.75)	ND(0.75)
2,6-Dinitrotoluene	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
2-Chloronaphthalene	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
2-Chlorophenol	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
2-Methyl naphthalene	ND(0.19) J	ND(0.19)	ND(0.18)	ND(0.17) J [ND(0.17)]	ND(0.19)	ND(0.19)	0.33 J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19) J
2-Methylphenol	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
2-Nitroaniline	ND(0.74)	ND(0.73)	ND(0.69)	ND(0.69) [ND(0.69)]	ND(0.75)	ND(0.74)	ND(0.69)	ND(0.76)	ND(0.75)	ND(0.75)	ND(0.75)
2-Nitrophenol	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
3&4-Methylphenol	ND(0.38)	ND(0.37)	ND(0.35)	ND(0.35) [ND(0.35)]	ND(0.38)	ND(0.38)	ND(0.35)	ND(0.38)	ND(0.38) J	ND(0.38) J	ND(0.38)
3,3-Dichlorobenzidine	ND(0.74)	ND(0.73) J	ND(0.69) J	ND(0.69) [ND(0.69)]	ND(0.75) J	ND(0.74) J	ND(0.69) J	ND(0.76) J	ND(0.75)	ND(0.75)	ND(0.75) J
3-Nitroaniline	ND(0.74)	ND(0.73)	ND(0.69)	ND(0.69) [ND(0.69)]	ND(0.75)	ND(0.74)	ND(0.69)	ND(0.76)	ND(0.75)	ND(0.75)	ND(0.75)
4,6-Dinitro-2-methylphenol	ND(0.74)	ND(0.73)	ND(0.69)	ND(0.69) [ND(0.69)]	ND(0.75)	ND(0.74)	ND(0.69) J	ND(0.76)	ND(0.75)	ND(0.75)	ND(0.75)
4-Bromophenyl phenyl ether	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
4-Chloro-3-methylphenol	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-31	RFI-36-32	RFI-36-32	RFI-36-32	RFI-36-32	RFI-36-33	RFI-36-33	RFI-36-33	RFI-36-34	RFI-36-34	RFI-36-35
Sample Depth(feet):	8-10	0-2	12-14	16-18	8-10	0-2	16-18	8-10	0.9-2.9	6.9-8.9	0-2
Date Collected:	03/28/01	03/28/01	03/28/01	03/28/01	03/28/01	03/29/01	03/29/01	03/29/01	06/28/01	06/28/01	03/27/01
4-Chloroaniline	ND(0.74) J	ND(0.73) J	ND(0.69) J	ND(0.69) J [ND(0.69) J]	ND(0.75) J	ND(0.74) J	ND(0.69) J	ND(0.76) J	ND(0.75)	ND(0.75)	ND(0.75) J
4-Chlorophenyl phenyl ether	ND(0.74)	ND(0.73)	ND(0.69)	ND(0.69) [ND(0.69)]	ND(0.75)	ND(0.74)	ND(0.69)	ND(0.76)	ND(0.75)	ND(0.75)	ND(0.75)
4-Nitroaniline	ND(0.74)	ND(0.73)	ND(0.69)	ND(0.69) [ND(0.69)]	ND(0.75)	ND(0.74)	ND(0.69)	ND(0.76)	ND(0.75)	ND(0.75)	ND(0.75)
4-Nitrophenol	ND(0.74)	ND(0.73)	ND(0.69)	ND(0.69) [ND(0.69)]	ND(0.75)	ND(0.74)	ND(0.69)	ND(0.76)	ND(0.75)	ND(0.75)	ND(0.75)
Acenaphthene	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Acenaphthylene	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Acetophenone	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Anthracene	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Atrazine	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Benzaldehyde	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	0.22 J	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Benzo(a)anthracene	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19) J	ND(0.17) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Benzo(a)pyrene	ND(0.19)	ND(0.19) J	ND(0.18) J	ND(0.17) [ND(0.17)]	ND(0.19) J	ND(0.19) J	ND(0.17) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Benzo(b)fluoranthene	ND(0.19)	ND(0.19) J	ND(0.18) J	ND(0.17) [ND(0.17)]	ND(0.19) J	ND(0.19) J	ND(0.17) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Benzo(g,h,i)perylene	ND(0.19)	ND(0.19) J	ND(0.18) J	ND(0.17) [ND(0.17)]	ND(0.19) J	ND(0.19) J	ND(0.17) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19) J
Benzo(k)fluoranthene	ND(0.19)	ND(0.19) J	ND(0.18) J	ND(0.17) [ND(0.17)]	ND(0.19) J	ND(0.19) J	ND(0.17) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Biphenyl	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	0.43 J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
bis(2-Chloroethoxy)methane	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
bis(2-Chloroethyl)ether	ND(0.036)	ND(0.036)	ND(0.034)	ND(0.034) [ND(0.034)]	ND(0.037)	ND(0.037)	ND(0.034)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
bis(2-Chloroisopropyl)ether	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
bis(2-Ethylhexyl)phthalate	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	1.2 J	ND(0.17) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Butyl benzylphthalate	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	200 D	ND(0.17) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Caprolactam	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Carbazole	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Chrysene	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19) J	ND(0.17) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Di-n-butylphthalate	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	0.62	ND(0.17) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Di-n-octyl phthalate	ND(0.19)	ND(0.19) J	ND(0.18) J	ND(0.17) [ND(0.17)]	ND(0.19) J	ND(0.19) J	ND(0.17) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Dibenzo(a,h)anthracene	ND(0.19)	ND(0.19) J	ND(0.18) J	ND(0.17) [ND(0.17)]	ND(0.19) J	ND(0.19) J	ND(0.17) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Dibenzofuran	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Diethyl phthalate	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Dimethyl phthalate	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Fluoranthene	ND(0.19)	0.23 J	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Fluorene	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Hexachlorobenzene	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Hexachlorobutadiene	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Hexachlorocyclopentadiene	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Hexachloroethane	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Indeno(1,2,3-cd)pyrene	ND(0.19)	ND(0.19) J	ND(0.18) J	ND(0.17) [ND(0.17)]	ND(0.19) J	ND(0.19) J	ND(0.17) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Isophorone	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Methylphenols, Total	ND(0.38)	ND(0.37)	ND(0.35)	ND(0.35) [ND(0.35)]	ND(0.38)	ND(0.38)	ND(0.35)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-31	RFI-36-32	RFI-36-32	RFI-36-32	RFI-36-32	RFI-36-33	RFI-36-33	RFI-36-33	RFI-36-34	RFI-36-34	RFI-36-35
Sample Depth(feet):	8-10	0-2	12-14	16-18	8-10	0-2	16-18	8-10	0.9-2.9	6.9-8.9	0-2
Date Collected:	03/28/01	03/28/01	03/28/01	03/28/01	03/28/01	03/29/01	03/29/01	03/29/01	06/28/01	06/28/01	03/27/01
N-Nitrosodi-n-propylamine	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
N-Nitrosodiphenylamine	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Naphthalene	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Nitrobenzene	ND(0.074)	ND(0.073)	ND(0.069)	ND(0.069) [ND(0.069)]	ND(0.075)	ND(0.074)	ND(0.069)	ND(0.076)	ND(0.075)	ND(0.075)	ND(0.075)
Pentachlorophenol	ND(0.74)	ND(0.73)	ND(0.69)	ND(0.69) [ND(0.69)]	ND(0.75)	ND(0.74)	ND(0.69) J	ND(0.76)	ND(0.75)	ND(0.75)	ND(0.75)
Phenanthrene	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	1.7 J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Phenol	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Pyrene	ND(0.19)	0.2	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	0.29 J	ND(0.17) J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)
Inorganics											
Antimony	ND(0.39) J	0.40 R	0.34 R	ND(0.33) J [0.30 R]	0.44 R	0.45 R	0.30 R	ND(0.45) J	ND(0.23) J	ND(0.22) J	ND(0.41) J
Arsenic	3.8	3.3 J	4.0 J	2.9 [3.0 J]	7.4 J	8.2 J(RDC)	10 J(RDC)	7.2 J	5.2	3.4	3.5
Barium	9.5 J	23 J	6.0 J	4.5 J [5.1 J]	48 J	140 J	9.5 J	36 J	27 J	9.3 J	17 J
Beryllium	0.12 J	0.18 J	0.068 J	0.059 J [ND(0.17)]	0.37 J	0.46 J	0.055 J	0.47 J	0.28 J	0.13 J	0.16 J
Cadmium	0.074 J	0.11 J	0.10 J	0.084 J [0.062 J]	0.17 J	0.67 J	0.056 J	0.41 J	0.15 J	0.097 J	0.15
Chromium	7.8	10 J	3.1 J	5.9 [3.1 J]	12 J	41 J	2.6 J	9.5 J	13 J	5.2 J	8.2
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	2.5	5.5 J	1.9 J	1.4 [1.6 J]	7.3 J	85 J	2.0 J	7.0 J	5.4 J	2.4 J	3.5
Copper	13 J	11 J	6.3 J	42 J [5.8 J]	14 J	37 J	5.5 J	12 J	11 J	6.2 J	11 J
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)	0.015 J	0.018 J	ND(0.20)
Lead	5.7 J	15 J	4.3 J	3.0 J [3.1 J]	10 J	91 J	4.0 J	9.6 J	7.1 J	3.9 J	7.3 J
Manganese	120	180 J	130 J	86 [94 J]	360 J	250 J	140 J	350 J	230 J	440 J	180
Mercury	ND(0.067) J	0.077 R	0.072 J	ND(0.067) J [0.071 R]	0.074 R	0.075 R	0.070 R	7.8 R	ND(0.076)	ND(0.076)	ND(0.076) J
Nickel	8.7	8.3 J	4.8 J	4 [4.2 J]	18 J	19 J	4.3 J	16 J	15 J	5.7 J	8.9
Selenium	ND(1.5)	ND(1.6)	ND(1.4)	ND(1.3) [ND(1.2)]	ND(1.8)	ND(1.8)	ND(1.2)	ND(1.8)	ND(0.093)	ND(0.088)	ND(1.6)
Silver	0.047 J	0.048 J	ND(0.10)	0.052 J [ND(0.088)]	0.24 J	1.3 J	0.029 J	0.35 J	0.0038 J	0.15 J	0.10 J
Thallium	ND(0.25)	ND(0.26)	ND(0.22)	ND(0.21) [ND(0.19)]	0.42 J	0.18 J	ND(0.19)	0.41 J	0.16 J	0.046 J	ND(0.26)
Vanadium	5.8	7.0 J	4.8 J	3.6 [4.0 J]	17 J	20 J	3.9 J	15 J	18 J	11 J	9.2
Zinc	22 J	30 J	23 J	15 J [15 J]	47 J	110 J	15 J	39 J	39 J	22 J	26 J
PCBs											
Aroclor-1016	ND(0.039)	ND(0.036)	ND(0.036)	ND(0.036) [ND(0.034)]	ND(0.039)	ND(0.037)	ND(0.034)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.037)
Aroclor-1221	ND(0.039)	ND(0.036)	ND(0.036)	ND(0.036) [ND(0.034)]	ND(0.039)	ND(0.037)	ND(0.034)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.037)
Aroclor-1232	ND(0.039)	ND(0.036)	ND(0.036)	ND(0.036) [ND(0.034)]	ND(0.039)	ND(0.037)	ND(0.034)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.037)
Aroclor-1242	ND(0.039)	ND(0.036)	ND(0.036)	ND(0.036) [ND(0.034)]	ND(0.039)	ND(0.037)	ND(0.034)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.037)
Aroclor-1248	ND(0.039)	ND(0.036)	ND(0.036)	ND(0.036) [ND(0.034)]	ND(0.039)	ND(0.037)	ND(0.034)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.037)
Aroclor-1254	ND(0.039)	0.05	ND(0.036)	ND(0.036) [ND(0.034)]	ND(0.039)	ND(0.037)	ND(0.034)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.037)
Aroclor-1260	ND(0.039)	ND(0.036)	ND(0.036)	ND(0.036) [ND(0.034)]	ND(0.039)	ND(0.037)	ND(0.034)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.037)
Total PCBs	ND(0.039)	0.05	ND(0.036)	ND(0.036) [ND(0.034)]	ND(0.039)	ND(0.037)	ND(0.034)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.037)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-35	RFI-36-35	RFI-36-36	RFI-36-36R	RFI-36-36	RFI-36-37	RFI-36-37	RFI-36-37	RFI-36-37	RFI-36-38
Sample Depth(feet):	12-14	8-10	1-3	1-3	5-7	0-2	14-16	6-8	8-10	0.5-2.5
Date Collected:	03/27/01	03/27/01	06/29/01	11/29/01	06/29/01	09/04/01	09/04/01	09/04/01	09/04/01	12/16/01
Volatiles										
1,1,1-Trichloroethane	0.14	0.07	ND(0.038)	NS	ND(0.040)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.036)	NS
1,1,2,2-Tetrachloroethane	ND(0.081)	ND(0.077)	ND(0.076)	NS	ND(0.080)	ND(0.074)	ND(0.076)	ND(0.073)	ND(0.072)	NS
1,1,2-Trichloroethane	ND(0.040)	ND(0.038)	ND(0.038)	NS	ND(0.040)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.036)	NS
1,1-Dichloroethane	ND(0.040)	ND(0.038)	ND(0.038)	NS	ND(0.040)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.036)	NS
1,1-Dichloroethene	ND(0.040)	ND(0.038)	ND(0.038)	NS	ND(0.040)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.036)	NS
1,2,4-Trichlorobenzene	ND(0.17)	ND(0.16)	ND(0.16)	NS	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.15)	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	ND(0.16)	ND(0.16)	NS	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.15)	NS
1,2-Dibromoethane (EDB)	ND(0.17)	ND(0.16)	ND(0.16)	NS	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.15)	NS
1,2-Dichlorobenzene	ND(0.081)	ND(0.077)	ND(0.076)	NS	ND(0.080)	ND(0.074)	ND(0.076)	ND(0.073)	ND(0.072)	NS
1,2-Dichloroethane	ND(0.040)	ND(0.038)	ND(0.038)	NS	ND(0.040)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.036)	NS
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.040)	ND(0.038)	ND(0.038)	NS	ND(0.040)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.036)	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.081)	ND(0.077)	ND(0.076)	NS	ND(0.080)	ND(0.074)	ND(0.076)	ND(0.073)	ND(0.072)	NS
1,4-Dichlorobenzene	ND(0.081)	ND(0.077)	ND(0.076)	NS	ND(0.080)	ND(0.074)	ND(0.076)	ND(0.073)	ND(0.072)	NS
2-Butanone	ND(0.29)	ND(0.27)	ND(0.27)	NS	ND(0.29)	ND(0.26)	ND(0.27)	ND(0.26)	0.028 J	NS
2-Hexanone	ND(0.29)	ND(0.27)	ND(0.27)	NS	ND(0.29)	ND(0.26)	ND(0.27)	ND(0.26)	ND(0.26)	NS
4-Methyl-2-pentanone	ND(0.29)	ND(0.27)	ND(0.27)	NS	ND(0.29)	ND(0.26)	ND(0.27)	ND(0.26)	ND(0.26)	NS
Acetone	ND(0.29) J	ND(0.27) J	0.12 J	NS	0.087 J	ND(0.26)	ND(0.27)	0.057 J	ND(0.26)	NS
Benzene	ND(0.040)	ND(0.038)	ND(0.038)	NS	ND(0.040)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.036)	ND(0.011)
Benzene, isopropyl	ND(0.17)	ND(0.16)	ND(0.16)	NS	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.15)	NS
Bromodichloromethane	ND(0.081)	ND(0.077)	ND(0.076)	NS	ND(0.080)	ND(0.074)	ND(0.076)	ND(0.073)	ND(0.072)	NS
Bromoform	ND(0.081)	ND(0.077)	ND(0.076)	NS	ND(0.080)	ND(0.074)	ND(0.076)	ND(0.073)	ND(0.072)	NS
Bromomethane	ND(0.17) J	ND(0.16) J	ND(0.16)	NS	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.15)	NS
Carbon disulfide	ND(0.17)	ND(0.16)	0.027 J	NS	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.15)	NS
Carbon tetrachloride	ND(0.040)	ND(0.038)	ND(0.038)	NS	ND(0.040)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.036)	NS
Chlorobenzene	ND(0.040)	ND(0.038)	ND(0.038)	NS	ND(0.040)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.036)	NS
Chloroethane	ND(0.17)	ND(0.16)	ND(0.16)	NS	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.15)	NS
Chloroform	ND(0.040)	ND(0.038)	ND(0.038)	NS	ND(0.040)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.036)	NS
Chloromethane	ND(0.17)	ND(0.16)	ND(0.16)	NS	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.15)	NS
cis-1,2-Dichloroethene	ND(0.040)	ND(0.038)	ND(0.038)	NS	ND(0.040)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.036)	NS
cis-1,3-Dichloropropene	ND(0.040)	ND(0.038)	ND(0.038)	NS	ND(0.040)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.036)	NS
Cyclohexane	ND(0.17)	ND(0.16)	ND(0.16)	NS	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.15)	NS
Dibromochloromethane	ND(0.081)	ND(0.077)	ND(0.076)	NS	ND(0.080)	ND(0.074)	ND(0.076)	ND(0.073)	ND(0.072)	NS
Dichlorodifluoromethane (CFC-12)	ND(0.081) J	ND(0.077) J	ND(0.076)	NS	ND(0.080)	ND(0.074)	ND(0.076)	ND(0.073)	ND(0.072)	NS
Ethylbenzene	ND(0.040)	ND(0.038)	ND(0.038)	NS	ND(0.040)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.036)	ND(0.011)
m&p-Xylene	ND(0.081)	ND(0.077)	ND(0.076)	NS	ND(0.080)	0.035 J	ND(0.076)	ND(0.073)	ND(0.072)	ND(0.022)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-35	RFI-36-35	RFI-36-36	RFI-36-36R	RFI-36-36	RFI-36-37	RFI-36-37	RFI-36-37	RFI-36-37	RFI-36-38
Sample Depth(feet):	12-14	8-10	1-3	1-3	5-7	0-2	14-16	6-8	8-10	0.5-2.5
Date Collected:	03/27/01	03/27/01	06/29/01	11/29/01	06/29/01	09/04/01	09/04/01	09/04/01	09/04/01	12/16/01
Methyl acetate	ND(0.17) J	ND(0.16) J	0.066 J	NS	0.042 J	0.11 J	ND(0.16)	ND(0.16)	ND(0.15)	NS
Methyl Tert Butyl Ether	ND(0.29)	ND(0.27)	ND(0.27)	NS	ND(0.29)	ND(0.26)	ND(0.27)	ND(0.26)	ND(0.26)	NS
Methylcyclohexane	ND(0.17)	ND(0.16)	ND(0.16)	NS	ND(0.17)	0.080 J	ND(0.16) J	ND(0.16)	ND(0.15) J	NS
Methylene chloride	ND(0.17)	ND(0.16)	ND(0.16)	NS	ND(0.17)	0.029 J	0.028 J	0.081 J	0.078 J	NS
o-Xylene	ND(0.040)	ND(0.038)	ND(0.038)	NS	ND(0.040)	0.029 J	ND(0.038)	ND(0.036)	ND(0.036)	ND(0.011)
Styrene	ND(0.040)	ND(0.038)	ND(0.038)	NS	ND(0.040)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.036)	NS
Tetrachloroethene	ND(0.040)	ND(0.038)	ND(0.038)	NS	ND(0.040)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.036)	NS
Toluene	ND(0.040)	ND(0.038)	ND(0.038)	NS	ND(0.040)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.036)	ND(0.011)
trans-1,2-Dichloroethene	ND(0.040)	ND(0.038)	ND(0.038)	NS	ND(0.040)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.036)	NS
trans-1,3-Dichloropropene	ND(0.040)	ND(0.038)	ND(0.038)	NS	ND(0.040)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.036)	NS
Trichloroethene	ND(0.040)	ND(0.038)	ND(0.038)	NS	ND(0.040)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.036)	NS
Trichlorofluoromethane (CFC-11)	ND(0.081)	ND(0.077)	ND(0.076)	NS	ND(0.080)	ND(0.074)	ND(0.076)	ND(0.073)	ND(0.072)	NS
Trifluorotrichloroethane (Freon 113)	ND(0.17)	ND(0.16) J	ND(0.16)	NS	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.15)	NS
Vinyl chloride	ND(0.040)	ND(0.038)	ND(0.038)	NS	ND(0.040)	ND(0.037)	ND(0.038)	ND(0.036)	ND(0.036)	NS
Xylenes (total)	ND(0.081)	ND(0.077)	ND(0.076)	NS	ND(0.080)	0.064	ND(0.076)	ND(0.073)	ND(0.072)	ND(0.022)
Semivolatiles										
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
2,4,6-Trichlorophenol	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
2,4-Dichlorophenol	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
2,4-Dimethylphenol	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
2,4-Dinitrophenol	ND(0.78)	ND(0.72)	ND(3.6)	NS	ND(3.9)	ND(0.72)	ND(0.74)	ND(0.69)	ND(0.69)	NS
2,4-Dinitrotoluene	ND(0.78)	ND(0.72)	ND(3.6)	NS	ND(3.9)	ND(0.72)	ND(0.74)	ND(0.69)	ND(0.69)	NS
2,6-Dinitrotoluene	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
2-Chloronaphthalene	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
2-Chlorophenol	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
2-Methyl naphthalene	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
2-Methylphenol	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
2-Nitroaniline	ND(0.78)	ND(0.72)	ND(3.6)	NS	ND(3.9)	ND(0.72)	ND(0.74)	ND(0.69)	ND(0.69)	NS
2-Nitrophenol	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
3&4-Methylphenol	ND(0.40)	ND(0.37)	ND(1.8) J	NS	ND(2.0) J	ND(0.36) J	ND(0.37) J	ND(0.35) J	ND(0.35) J	NS
3,3-Dichlorobenzidine	ND(0.78)	ND(0.72)	ND(3.6) J	NS	ND(3.9)	ND(0.72)	ND(0.74)	ND(0.69)	ND(0.69)	NS
3-Nitroaniline	ND(0.78)	ND(0.72)	ND(3.6)	NS	ND(3.9)	ND(0.72)	ND(0.74)	ND(0.69)	ND(0.69)	NS
4,6-Dinitro-2-methylphenol	ND(0.78)	ND(0.72)	ND(3.6)	NS	ND(3.9)	ND(0.72)	ND(0.74)	ND(0.69)	ND(0.69)	NS
4-Bromophenyl phenyl ether	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
4-Chloro-3-methylphenol	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-35	RFI-36-35	RFI-36-36	RFI-36-36R	RFI-36-36	RFI-36-37	RFI-36-37	RFI-36-37	RFI-36-37	RFI-36-38
Sample Depth(feet):	12-14	8-10	1-3	1-3	5-7	0-2	14-16	6-8	8-10	0.5-2.5
Date Collected:	03/27/01	03/27/01	06/29/01	11/29/01	06/29/01	09/04/01	09/04/01	09/04/01	09/04/01	12/16/01
4-Chloroaniline	ND(0.78) J	ND(0.72) J	ND(3.6)	NS	ND(3.9)	ND(0.72)	ND(0.74)	ND(0.69)	ND(0.69)	NS
4-Chlorophenyl phenyl ether	ND(0.78)	ND(0.72)	ND(3.6)	NS	ND(3.9)	ND(0.72) J	ND(0.74) J	ND(0.69) J	ND(0.69) J	NS
4-Nitroaniline	ND(0.78)	ND(0.72)	ND(3.6)	NS	ND(3.9)	ND(0.72)	ND(0.74)	ND(0.69)	ND(0.69)	NS
4-Nitrophenol	ND(0.78)	ND(0.72)	ND(3.6)	NS	ND(3.9)	ND(0.72)	ND(0.74)	ND(0.69)	ND(0.69)	NS
Acenaphthene	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Acenaphthylene	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Acetophenone	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Anthracene	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Atrazine	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Benzaldehyde	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Benzo(a)anthracene	ND(0.20)	ND(0.18)	ND(0.92) J	NS	ND(0.98)	0.093 J	ND(0.19)	ND(0.18)	ND(0.17)	NS
Benzo(a)pyrene	ND(0.20)	ND(0.18)	ND(0.92) J	NS	ND(0.98)	0.090 J	ND(0.19)	ND(0.18)	ND(0.17)	NS
Benzo(b)fluoranthene	ND(0.20)	ND(0.18)	ND(0.92) J	NS	ND(0.98)	0.093 J	ND(0.19)	ND(0.18)	ND(0.17)	NS
Benzo(g,h,i)perylene	ND(0.20)	ND(0.18)	ND(0.92) J	NS	ND(0.98)	0.055 J	ND(0.19)	ND(0.18)	ND(0.17)	NS
Benzo(k)fluoranthene	ND(0.20)	ND(0.18)	ND(0.92) J	NS	ND(0.98)	0.088 J	ND(0.19)	ND(0.18)	ND(0.17)	NS
Biphenyl	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
bis(2-Chloroethoxy)methane	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
bis(2-Chloroethyl)ether	ND(0.038)	ND(0.036)	ND(0.18)	NS	ND(0.19)	ND(0.035)	ND(0.036)	ND(0.034)	ND(0.034)	NS
bis(2-Chloroisopropyl)ether	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
bis(2-Ethylhexyl)phthalate	ND(0.20)	ND(0.18)	ND(0.92) J	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Butyl benzylphthalate	ND(0.20)	ND(0.18)	ND(0.92) J	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Caprolactam	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Carbazole	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18) J	ND(0.19)	ND(0.18) J	ND(0.17) J	NS
Chrysene	ND(0.20)	ND(0.18)	1.1 J	NS	ND(0.98)	0.10 J	ND(0.19)	ND(0.18)	ND(0.17)	NS
Di-n-butylphthalate	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Di-n-octyl phthalate	ND(0.20)	ND(0.18)	ND(0.92) J	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Dibenzo(a,h)anthracene	ND(0.20)	ND(0.18)	ND(0.92) J	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Dibenzofuran	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Diethyl phthalate	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Dimethyl phthalate	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Fluoranthene	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	0.14 J	ND(0.19)	ND(0.18)	ND(0.17)	NS
Fluorene	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Hexachlorobenzene	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Hexachlorobutadiene	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Hexachlorocyclopentadiene	ND(0.20) J	ND(0.18) J	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Hexachloroethane	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Indeno(1,2,3-cd)pyrene	ND(0.20)	ND(0.18)	ND(0.92) J	NS	ND(0.98)	0.051 J	ND(0.19)	ND(0.18)	ND(0.17)	NS
Isophorone	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Methylphenols, Total	ND(0.40)	ND(0.37)	ND(1.8)	NS	ND(2.0)	ND(0.36)	ND(0.37)	ND(0.35)	ND(0.35)	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-35	RFI-36-35	RFI-36-36	RFI-36-36R	RFI-36-36	RFI-36-37	RFI-36-37	RFI-36-37	RFI-36-37	RFI-36-38
Sample Depth(feet):	12-14	8-10	1-3	1-3	5-7	0-2	14-16	6-8	8-10	0.5-2.5
Date Collected:	03/27/01	03/27/01	06/29/01	11/29/01	06/29/01	09/04/01	09/04/01	09/04/01	09/04/01	12/16/01
N-Nitrosodi-n-propylamine	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
N-Nitrosodiphenylamine	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Naphthalene	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Nitrobenzene	ND(0.078)	ND(0.072)	ND(0.36)	NS	ND(0.39)	ND(0.072)	ND(0.074)	ND(0.069)	ND(0.069)	NS
Pentachlorophenol	ND(0.78)	ND(0.72)	ND(3.6)	NS	ND(3.9)	ND(0.72)	ND(0.74)	ND(0.69)	ND(0.69)	NS
Phenanthrene	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	0.058 J	ND(0.19)	ND(0.18)	ND(0.17)	NS
Phenol	ND(0.20)	ND(0.18)	ND(0.92)	NS	ND(0.98)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.17)	NS
Pyrene	ND(0.20)	ND(0.18)	1.2 J	NS	ND(0.98)	0.13 J	ND(0.19)	ND(0.18)	ND(0.17)	NS
Inorganics										
Antimony	ND(0.35) J	ND(0.47) J	ND(0.20) J	NS	0.038 J	NS	NS	NS	NS	NS
Arsenic	3.8	4.3	5.8	NS	3.8	NS	NS	NS	NS	NS
Barium	6.1 J	8.9 J	32 J	NS	29 J	NS	NS	NS	NS	NS
Beryllium	ND(0.19)	0.091 J	0.15 J	NS	0.25 J	NS	NS	NS	NS	NS
Cadmium	0.068 J	0.10 J	0.17 J	NS	0.068 J	NS	NS	NS	NS	NS
Chromium	3.2 J	4.4 J	450 J(RPSIC,IPSIC)	220	54 J	NS	NS	NS	NS	NS
Chromium, hexavalent	NS	NS	NS	ND(0.020)	NS	NS	NS	NS	NS	NS
Cobalt	1.6	1.9	9.6 J	NS	4.6 J	NS	NS	NS	NS	NS
Copper	5.3 J	5.5 J	93 J	NS	15 J	NS	NS	NS	NS	NS
Cyanide (total)	ND(0.20)	ND(0.20)	0.025 J	NS	0.082 J	NS	NS	NS	NS	NS
Lead	4.1 J	4.1 J	40 J	NS	14 J	NS	NS	NS	NS	NS
Manganese	82	98	1,100 J	NS	240 J	NS	NS	NS	NS	NS
Mercury	ND(0.078)	ND(0.071)	0.033 J	NS	0.022 J	NS	NS	ND(0.072)	NS	NS
Nickel	3.9	5	47 J	NS	14 J	NS	NS	NS	NS	NS
Selenium	ND(1.4)	ND(1.9)	0.19	NS	ND(0.079)	NS	NS	NS	NS	NS
Silver	ND(0.10)	0.063 J	0.11 J	NS	0.11 J	NS	NS	NS	NS	NS
Thallium	ND(0.22)	ND(0.30)	0.048 J	NS	0.078 J	NS	NS	NS	NS	NS
Vanadium	3.9	6.9	120 J	NS	22 J	NS	NS	NS	NS	NS
Zinc	19	22	55 J	NS	45 J	NS	NS	NS	NS	NS
PCBs										
Aroclor-1016	ND(0.041)	ND(0.038)	ND(0.038)	NS	ND(0.040)	NS	NS	NS	ND(0.036)	NS
Aroclor-1221	ND(0.041)	ND(0.038)	ND(0.038)	NS	ND(0.040)	NS	NS	NS	ND(0.036)	NS
Aroclor-1232	ND(0.041)	ND(0.038)	ND(0.038)	NS	ND(0.040)	NS	NS	NS	ND(0.036)	NS
Aroclor-1242	ND(0.041)	ND(0.038)	ND(0.038)	NS	ND(0.040)	NS	NS	NS	ND(0.036)	NS
Aroclor-1248	ND(0.041)	ND(0.038)	ND(0.038)	NS	ND(0.040)	NS	NS	NS	ND(0.036)	NS
Aroclor-1254	ND(0.041)	ND(0.038)	ND(0.038)	NS	ND(0.040)	NS	NS	NS	ND(0.036)	NS
Aroclor-1260	ND(0.041)	ND(0.038)	ND(0.038)	NS	ND(0.040)	NS	NS	NS	ND(0.036)	NS
Total PCBs	ND(0.041)	ND(0.038)	ND(0.038)	NS	ND(0.040)	NS	NS	NS	ND(0.036)	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-38	RFI-36-38	RFI-36-39	RFI-36-39	RFI-36-39	RFI-36-40	RFI-36-40	RFI-36-40	RFI-36-41	RFI-36-42	RFI-36-43
Sample Depth(feet):	10.5-12.5	8.5-10.5	0.5-2.5	10.5-12.5	8.5-10.5	0.5-2.5	12.5-14.5	8.5-10.5	1-3	0.1-1.5	0.9-2.9
Date Collected:	12/16/01	12/16/01	12/16/01	12/16/01	12/16/01	12/16/01	12/16/01	12/16/01	11/29/01	11/29/01	12/15/01
Volatiles											
1,1,1-Trichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.076)
1,1,2-Trichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
1,1-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.076)
1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.076)
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.076)
2-Butanone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.27)
2-Hexanone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.27)
4-Methyl-2-pentanone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.27)
Acetone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.27)
Benzene	ND(0.010) [ND(0.012)]	ND(0.011)	ND(0.011)	ND(0.010)	ND(0.011)	0.056	6.3 D(RSVIA)	4.7(RSVIA)	NS	NS	0.058
Benzene, isopropyl	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
Bromodichloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.076)
Bromoform	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.076)
Bromomethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
Carbon disulfide	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
Carbon tetrachloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Chlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Chloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
Chloroform	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Chloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
cis-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
cis-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Cyclohexane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
Dibromochloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.076)
Dichlorodifluoromethane (CFC-12)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.076)
Ethylbenzene	ND(0.010) [ND(0.012)]	ND(0.011)	ND(0.011)	ND(0.010)	ND(0.011)	ND(0.011)	52 D	2.6	NS	NS	0.069
m&p-Xylene	ND(0.021) [0.043]	ND(0.022)	ND(0.022)	ND(0.021)	ND(0.022)	0.053	140 D	5.7	NS	NS	0.076

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-38	RFI-36-38	RFI-36-39	RFI-36-39	RFI-36-39	RFI-36-40	RFI-36-40	RFI-36-40	RFI-36-41	RFI-36-42	RFI-36-43
Sample Depth(feet):	10.5-12.5	8.5-10.5	0.5-2.5	10.5-12.5	8.5-10.5	0.5-2.5	12.5-14.5	8.5-10.5	1-3	0.1-1.5	0.9-2.9
Date Collected:	12/16/01	12/16/01	12/16/01	12/16/01	12/16/01	12/16/01	12/16/01	12/16/01	11/29/01	11/29/01	12/15/01
Methyl acetate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
Methyl Tert Butyl Ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.27)
Methylcyclohexane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.058 J
Methylene chloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
o-Xylene	ND(0.010) [ND(0.012)]	ND(0.011)	ND(0.011)	ND(0.010)	ND(0.011)	ND(0.011)	58 D	2	NS	NS	ND(0.038)
Styrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Tetrachloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Toluene	ND(0.010) [0.083]	ND(0.011)	ND(0.011)	ND(0.010)	ND(0.011)	0.12	150 D	19 D	NS	NS	ND(0.038)
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
trans-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Trichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Trichlorofluoromethane (CFC-11)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.076)
Trifluorotrichloroethane (Freon 113)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
Vinyl chloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Xylenes (total)	ND(0.021) [0.043]	ND(0.022)	ND(0.022)	ND(0.021)	ND(0.022)	0.053	200(RSVIA,RDC,ISVIA,IDC)	7.7	NS	NS	0.076
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
2,4,6-Trichlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
2,4-Dichlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
2,4-Dimethylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
2,4-Dinitrophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
2,4-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
2,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
2-Chloronaphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
2-Chlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
2-Methyl naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
2-Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
2-Nitroaniline	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
2-Nitrophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
3&4-Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.37)
3,3-Dichlorobenzidine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
3-Nitroaniline	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
4,6-Dinitro-2-methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
4-Bromophenyl phenyl ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
4-Chloro-3-methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-38	RFI-36-38	RFI-36-39	RFI-36-39	RFI-36-39	RFI-36-40	RFI-36-40	RFI-36-40	RFI-36-41	RFI-36-42	RFI-36-43
Sample Depth(feet):	10.5-12.5	8.5-10.5	0.5-2.5	10.5-12.5	8.5-10.5	0.5-2.5	12.5-14.5	8.5-10.5	1-3	0.1-1.5	0.9-2.9
Date Collected:	12/16/01	12/16/01	12/16/01	12/16/01	12/16/01	12/16/01	12/16/01	12/16/01	11/29/01	11/29/01	12/15/01
4-Chloroaniline	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
4-Chlorophenyl phenyl ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
4-Nitroaniline	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
4-Nitrophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Acetophenone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Atrazine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Benzaldehyde	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.072 J
Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.099 J
Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.11 J
Benzo(g,h,i)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.099 J
Biphenyl	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
bis(2-Chloroethoxy)methane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
bis(2-Chloroethyl)ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.036)
bis(2-Chloroisopropyl)ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.11 J
Butyl benzylphthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.14 J
Caprolactam	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Carbazole	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.090 J
Di-n-butylphthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Di-n-octyl phthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Dibenzo(a,h)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Dibenzofuran	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Diethyl phthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.069 J
Dimethyl phthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.12 J
Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Hexachlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Hexachlorobutadiene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Hexachlorocyclopentadiene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Hexachloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Isophorone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Methylphenols, Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.37)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-38	RFI-36-38	RFI-36-39	RFI-36-39	RFI-36-39	RFI-36-40	RFI-36-40	RFI-36-40	RFI-36-41	RFI-36-42	RFI-36-43
Sample Depth(feet):	10.5-12.5	8.5-10.5	0.5-2.5	10.5-12.5	8.5-10.5	0.5-2.5	12.5-14.5	8.5-10.5	1-3	0.1-1.5	0.9-2.9
Date Collected:	12/16/01	12/16/01	12/16/01	12/16/01	12/16/01	12/16/01	12/16/01	12/16/01	11/29/01	11/29/01	12/15/01
N-Nitrosodi-n-propylamine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
N-Nitrosodiphenylamine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Nitrobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.072)
Pentachlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.053 J
Phenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.24
Inorganics											
Antimony	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.20)
Arsenic	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3.5
Barium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	18
Beryllium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.23
Cadmium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.15
Chromium	NS	NS	NS	NS	NS	NS	NS	NS	110	8.7	8.4
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	0.34	0.075	NS
Cobalt	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3.4
Copper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	7.5
Cyanide (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.071 J
Lead	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	7.5
Manganese	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	190
Mercury	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.076)
Nickel	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	7.9
Selenium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.079)
Silver	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.052 J
Thallium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.081 J
Vanadium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	11
Zinc	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	27
PCBs											
Aroclor-1016	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Aroclor-1221	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Aroclor-1232	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Aroclor-1242	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Aroclor-1248	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Aroclor-1254	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Aroclor-1260	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Total PCBs	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.038)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-43	RFI-36-43	RFI-36-44	RFI-36-44	RFI-36-44	RFI-36-45	RFI-36-45	RFI-36-45	RFI-36-46	RFI-36-46	RFI-36-46	RFI-38-01
Sample Depth(feet):	10.9-12.9	6.9-8.9	1-3	7-9	9-11	0-2	10-12	8-10	0-2	10-12	8-10	0.5-2.5
Date Collected:	12/15/01	12/15/01	01/24/02	01/24/02	01/24/02	01/24/02	01/24/02	01/24/02	01/10/02	01/10/02	01/10/02	07/23/01
Volatiles												
1,1,1-Trichloroethane	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.038)
1,1,2,2-Tetrachloroethane	ND(0.076)	ND(0.075)	ND(0.083)	ND(0.083)	ND(0.076)	ND(0.082)	ND(0.078)	ND(0.077)	ND(0.081)	ND(0.076)	ND(0.078) [ND(0.078)]	ND(0.076)
1,1,2-Trichloroethane	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.038)
1,1-Dichloroethane	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.038)
1,1-Dichloroethene	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.038)
1,2,4-Trichlorobenzene	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)
1,2-Dibromoethane (EDB)	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)
1,2-Dichlorobenzene	ND(0.076)	ND(0.075)	ND(0.083)	ND(0.083)	ND(0.076)	ND(0.082)	ND(0.078)	ND(0.077)	ND(0.081)	ND(0.076)	ND(0.078) [ND(0.078)]	ND(0.076)
1,2-Dichloroethane	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.038)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.038)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.076)	ND(0.075)	ND(0.083)	ND(0.083)	ND(0.076)	ND(0.082)	ND(0.078)	ND(0.077)	ND(0.081)	ND(0.076)	ND(0.078) [ND(0.078)]	ND(0.076)
1,4-Dichlorobenzene	ND(0.076)	ND(0.075)	ND(0.083)	ND(0.083)	ND(0.076)	ND(0.082)	ND(0.078)	ND(0.077)	ND(0.081)	ND(0.076)	ND(0.078) [ND(0.078)]	ND(0.076)
2-Butanone	ND(0.27)	ND(0.27)	0.046 J	0.050 J	0.041 J	0.051 J	ND(0.28)	0.049 J	0.072 J	0.053 J	0.047 J [0.057 J]	0.031 J
2-Hexanone	ND(0.27)	ND(0.27)	ND(0.30)	ND(0.30)	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.27)	ND(0.29)	ND(0.27)	ND(0.28) [ND(0.28)]	ND(0.27)
4-Methyl-2-pentanone	ND(0.27)	ND(0.27)	ND(0.30)	ND(0.30)	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.27)	ND(0.29)	ND(0.27)	ND(0.28) [ND(0.28)]	ND(0.27)
Acetone	ND(0.27)	ND(0.27)	ND(0.30)	ND(0.30)	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.27)	ND(0.29)	ND(0.27)	ND(0.28) [ND(0.28)]	ND(0.36) J
Benzene	0.64	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.038)
Benzene, isopropyl	1.8	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)
Bromodichloromethane	ND(0.076)	ND(0.075)	ND(0.083)	ND(0.083)	ND(0.076)	ND(0.082)	ND(0.078)	ND(0.077)	ND(0.081)	ND(0.076)	ND(0.078) [ND(0.078)]	ND(0.076)
Bromoform	ND(0.076)	ND(0.075)	ND(0.083)	ND(0.083)	ND(0.076)	ND(0.082)	ND(0.078)	ND(0.077)	ND(0.081)	ND(0.076)	ND(0.078) [ND(0.078)]	ND(0.076)
Bromomethane	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)
Carbon disulfide	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)
Carbon tetrachloride	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.038)
Chlorobenzene	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.038)
Chloroethane	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)
Chloroform	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.038)
Chloromethane	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	0.044 J	0.056 J	0.051 J [0.085 J]	ND(0.16)
cis-1,2-Dichloroethene	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.038)
cis-1,3-Dichloropropene	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.038)
Cyclohexane	ND(0.16)	0.041 J	ND(0.18)	ND(0.18)	ND(0.16)	0.035 J	ND(0.17)	ND(0.16)	0.061 J	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)
Dibromochloromethane	ND(0.076)	ND(0.075)	ND(0.083)	ND(0.083)	ND(0.076)	ND(0.082)	ND(0.078)	ND(0.077)	ND(0.081)	ND(0.076)	ND(0.078) [ND(0.078)]	ND(0.076)
Dichlorodifluoromethane (CFC-12)	ND(0.076)	ND(0.075)	ND(0.083)	ND(0.083)	ND(0.076)	ND(0.082)	ND(0.078)	ND(0.077)	ND(0.081)	ND(0.076)	ND(0.078) [ND(0.078)]	ND(0.076)
Ethylbenzene	17 D	0.24	ND(0.042)	ND(0.042)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.038)
m&p-Xylene	56 D	0.84	ND(0.083)	ND(0.083)	ND(0.076)	0.041 J	ND(0.078)	ND(0.077)	0.09	ND(0.076)	ND(0.078) [ND(0.078)]	ND(0.076)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-43	RFI-36-43	RFI-36-44	RFI-36-44	RFI-36-44	RFI-36-45	RFI-36-45	RFI-36-45	RFI-36-46	RFI-36-46	RFI-36-46	RFI-38-01
Sample Depth(feet):	10.9-12.9	6.9-8.9	1-3	7-9	9-11	0-2	10-12	8-10	0-2	10-12	8-10	0.5-2.5
Date Collected:	12/15/01	12/15/01	01/24/02	01/24/02	01/24/02	01/24/02	01/24/02	01/24/02	01/10/02	01/10/02	01/10/02	07/23/01
Methyl acetate	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)
Methyl Tert Butyl Ether	ND(0.27)	ND(0.27)	ND(0.30)	ND(0.30)	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.27)	ND(0.29)	ND(0.27)	ND(0.28) [ND(0.28)]	ND(0.27)
Methylcyclohexane	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)	0.095 J	ND(0.17)	ND(0.16)	0.2	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)
Methylene chloride	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	0.039 J	0.061 J	0.059 J [0.057 J]	ND(0.16)
o-Xylene	24 D	0.43	ND(0.042)	ND(0.042)	ND(0.038)	0.038 J	ND(0.039)	ND(0.038)	0.078	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.038)
Styrene	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.038)
Tetrachloroethene	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.038)
Toluene	29 D	0.32	ND(0.042)	ND(0.042)	ND(0.038)	0.031 J	ND(0.039)	ND(0.038)	0.038 J	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.038)
trans-1,2-Dichloroethene	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.038)
trans-1,3-Dichloropropene	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.038)
Trichloroethene	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	0.047	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.038)
Trichlorofluoromethane (CFC-11)	ND(0.076)	ND(0.075)	ND(0.083)	ND(0.083)	ND(0.076)	ND(0.082)	ND(0.078)	ND(0.077)	ND(0.081)	ND(0.076)	ND(0.078) [ND(0.078)]	ND(0.076)
Trifluorotrichloroethane (Freon 113)	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.16)
Vinyl chloride	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.042)	ND(0.038)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.041)	ND(0.038)	ND(0.039) [ND(0.039)]	ND(0.038)
Xylenes (total)	80	1.3	ND(0.083)	ND(0.083)	ND(0.076)	0.079	ND(0.078)	ND(0.077)	0.17	ND(0.076)	ND(0.078) [ND(0.078)]	ND(0.076)
Semivolatiles												
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
2,4,6-Trichlorophenol	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
2,4-Dichlorophenol	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
2,4-Dimethylphenol	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
2,4-Dinitrophenol	ND(0.73)	ND(0.70)	NS	NS	NS	NS	NS	NS	ND(0.79)	ND(0.74)	ND(0.73) [ND(0.74)]	ND(0.74)
2,4-Dinitrotoluene	ND(0.73)	ND(0.70)	NS	NS	NS	NS	NS	NS	ND(0.79)	ND(0.74)	ND(0.73) [ND(0.74)]	ND(0.74)
2,6-Dinitrotoluene	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
2-Chloronaphthalene	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
2-Chlorophenol	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
2-Methyl naphthalene	3.4	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	0.25 J
2-Methylphenol	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
2-Nitroaniline	ND(0.73)	ND(0.70)	NS	NS	NS	NS	NS	NS	ND(0.79)	ND(0.74)	ND(0.73) [ND(0.74)]	ND(0.74)
2-Nitrophenol	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
3&4-Methylphenol	ND(0.37)	ND(0.36)	NS	NS	NS	NS	NS	NS	ND(0.40)	ND(0.37)	ND(0.37) [ND(0.37)]	ND(0.37) J
3,3-Dichlorobenzidine	ND(0.73)	ND(0.70)	NS	NS	NS	NS	NS	NS	ND(0.79)	ND(0.74)	ND(0.73) [ND(0.74)]	ND(0.74)
3-Nitroaniline	ND(0.73)	ND(0.70)	NS	NS	NS	NS	NS	NS	ND(0.79)	ND(0.74)	ND(0.73) [ND(0.74)]	ND(0.74)
4,6-Dinitro-2-methylphenol	ND(0.73)	ND(0.70)	NS	NS	NS	NS	NS	NS	ND(0.79)	ND(0.74)	ND(0.73) [ND(0.74)]	ND(0.74)
4-Bromophenyl phenyl ether	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
4-Chloro-3-methylphenol	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-43	RFI-36-43	RFI-36-44	RFI-36-44	RFI-36-44	RFI-36-45	RFI-36-45	RFI-36-45	RFI-36-46	RFI-36-46	RFI-36-46	RFI-38-01
Sample Depth(feet):	10.9-12.9	6.9-8.9	1-3	7-9	9-11	0-2	10-12	8-10	0-2	10-12	8-10	0.5-2.5
Date Collected:	12/15/01	12/15/01	01/24/02	01/24/02	01/24/02	01/24/02	01/24/02	01/24/02	01/10/02	01/10/02	01/10/02	07/23/01
4-Chloroaniline	ND(0.73)	ND(0.70)	NS	NS	NS	NS	NS	NS	ND(0.79)	ND(0.74)	ND(0.73) [ND(0.74)]	ND(0.74)
4-Chlorophenyl phenyl ether	ND(0.73)	ND(0.70)	NS	NS	NS	NS	NS	NS	ND(0.79)	ND(0.74)	ND(0.73) [ND(0.74)]	ND(0.74) J
4-Nitroaniline	ND(0.73)	ND(0.70)	NS	NS	NS	NS	NS	NS	ND(0.79)	ND(0.74)	ND(0.73) [ND(0.74)]	ND(0.74)
4-Nitrophenol	ND(0.73)	ND(0.70)	NS	NS	NS	NS	NS	NS	ND(0.79)	ND(0.74)	ND(0.73) [ND(0.74)]	ND(0.74)
Acenaphthene	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	0.16 J
Acenaphthylene	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
Acetophenone	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
Anthracene	0.041 J	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	0.2
Atrazine	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
Benzaldehyde	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19) J
Benzo(a)anthracene	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	0.74
Benzo(a)pyrene	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	0.082 J	ND(0.19)	ND(0.19) [ND(0.19)]	0.6
Benzo(b)fluoranthene	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	0.59
Benzo(g,h,i)perylene	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	0.073 J	ND(0.19)	ND(0.19) [ND(0.19)]	0.36 J
Benzo(k)fluoranthene	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	0.61
Biphenyl	0.089 J	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	0.047 J
bis(2-Chloroethoxy)methane	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
bis(2-Chloroethyl)ether	ND(0.036)	ND(0.035)	NS	NS	NS	NS	NS	NS	ND(0.039)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.036)
bis(2-Chloroisopropyl)ether	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
bis(2-Ethylhexyl)phthalate	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
Butyl benzylphthalate	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	0.046 J	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
Caprolactam	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
Carbazole	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	0.056 J
Chrysene	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	0.051 J	ND(0.19)	ND(0.19) [ND(0.19)]	0.81
Di-n-butylphthalate	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
Di-n-octyl phthalate	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
Dibenzo(a,h)anthracene	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
Dibenzofuran	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	0.18 J
Diethyl phthalate	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
Dimethyl phthalate	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
Fluoranthene	0.043 J	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	1.3
Fluorene	0.11 J	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	0.092 J
Hexachlorobenzene	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
Hexachlorobutadiene	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
Hexachlorocyclopentadiene	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
Hexachloroethane	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
Indeno(1,2,3-cd)pyrene	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	0.035 J	ND(0.19)	ND(0.19) [ND(0.19)]	0.34
Isophorone	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
Methylphenols, Total	ND(0.37)	ND(0.36)	NS	NS	NS	NS	NS	NS	ND(0.40)	ND(0.37)	ND(0.37) [ND(0.37)]	ND(0.37)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-36-43	RFI-36-43	RFI-36-44	RFI-36-44	RFI-36-44	RFI-36-45	RFI-36-45	RFI-36-45	RFI-36-46	RFI-36-46	RFI-36-46	RFI-38-01
Sample Depth(feet):	10.9-12.9	6.9-8.9	1-3	7-9	9-11	0-2	10-12	8-10	0-2	10-12	8-10	0.5-2.5
Date Collected:	12/15/01	12/15/01	01/24/02	01/24/02	01/24/02	01/24/02	01/24/02	01/24/02	01/10/02	01/10/02	01/10/02	07/23/01
N-Nitrosodi-n-propylamine	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
N-Nitrosodiphenylamine	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
Naphthalene	3.8	0.14 J	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	0.2
Nitrobenzene	ND(0.073)	ND(0.070)	NS	NS	NS	NS	NS	NS	ND(0.079)	ND(0.074)	ND(0.073) [ND(0.074)]	ND(0.074)
Pentachlorophenol	ND(0.73)	ND(0.70)	NS	NS	NS	NS	NS	NS	ND(0.79)	ND(0.74)	ND(0.73) [ND(0.74)]	ND(0.74)
Phenanthrene	0.16 J	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	1.1
Phenol	ND(0.18)	ND(0.18)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.19)
Pyrene	0.083 J	ND(0.18)	NS	NS	NS	NS	NS	NS	0.078 J	ND(0.19)	ND(0.19) [ND(0.19)]	1.2
Inorganics												
Antimony	0.11 J	0.033 J	NS	NS	NS	NS	NS	NS	0.11 J	0.024 J	0.039 J [0.028 J]	ND(0.28) J
Arsenic	2.7	2.2	6.5 D,M	5.5	5.4	11(RDC)	6.9	4.6	8.6(RDC)	3.1	3.8 [2.5]	6.4
Barium	7.4	11	NS	NS	NS	NS	NS	NS	69	14	15 [24]	38 J
Beryllium	0.12	0.13	NS	NS	NS	NS	NS	NS	0.82	0.16	0.19 [0.27]	0.66
Cadmium	0.083	0.045	NS	NS	NS	NS	NS	NS	0.57	0.08	0.089 [0.089]	0.76
Chromium	5	5.1	NS	NS	NS	NS	NS	NS	24	6.3	11 [7.8]	28 J
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	2	2.1	NS	NS	NS	NS	NS	NS	5.1	2	2.6 [2.5]	4.9
Copper	5.4	4.4	NS	NS	NS	NS	NS	NS	16	5.3	3.3 [3.8]	19 J
Cyanide (total)	0.14 J	ND(0.20)	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.20)]	0.20 R
Lead	3.7	2.9	NS	NS	NS	NS	NS	NS	29	5.2	5.7 [6.2]	20 J
Manganese	46	42	NS	NS	NS	NS	NS	NS	810	65	100 [67]	620 J
Mercury	ND(0.076)	ND(0.072)	NS	NS	NS	NS	NS	NS	ND(0.080)	ND(0.076)	ND(0.074) [ND(0.073)]	0.054 J
Nickel	5.4	4.9	NS	NS	NS	NS	NS	NS	14	5.2	5.7 [5.8]	15
Selenium	ND(0.086)	ND(0.078)	NS	NS	NS	NS	NS	NS	0.62 J	0.091	0.22 J [0.084]	ND(0.54)
Silver	0.047 J	0.024 J	NS	NS	NS	NS	NS	NS	0.13 J	0.037 J	0.046 J [0.041 J]	0.086 J
Thallium	0.046 J	0.037 J	NS	NS	NS	NS	NS	NS	0.14 J	0.048 J	0.043 J [0.064 J]	0.21 J
Vanadium	8.9	9.3	NS	NS	NS	NS	NS	NS	19	11	14 [16]	23
Zinc	23	20	NS	NS	NS	NS	NS	NS	110	22	22 [30]	55 J
PCBs												
Aroclor-1016	ND(0.038)	ND(0.037)	NS	NS	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.038)]	ND(0.039)
Aroclor-1221	ND(0.038)	ND(0.037)	NS	NS	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.038)]	ND(0.039)
Aroclor-1232	ND(0.038)	ND(0.037)	NS	NS	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.038)]	ND(0.039)
Aroclor-1242	ND(0.038)	ND(0.037)	NS	NS	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.038)]	ND(0.039)
Aroclor-1248	ND(0.038)	ND(0.037)	NS	NS	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.038)]	ND(0.039)
Aroclor-1254	ND(0.038)	ND(0.037)	NS	NS	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.038)]	ND(0.039)
Aroclor-1260	ND(0.038)	ND(0.037)	NS	NS	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.038)]	ND(0.039)
Total PCBs	ND(0.038)	ND(0.037)	NS	NS	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.038)]	ND(0.039)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-38-01	RFI-38-01	RFI-38-02	RFI-38-02	RFI-38-02	RFI-38-03	RFI-38-03	RFI-38-03	RFI-38-03	RFI-38-04	RFI-38-04
Sample Depth(feet):	18.5-20.5	8.5-10.5	1-3	15-17	5-7	1-3	17-19	5-7	9-11	0.2-2.2	16.2-18.2
Date Collected:	07/23/01	07/23/01	07/19/01	07/19/01	07/19/01	07/18/01	07/18/01	07/18/01	07/18/01	08/21/01	08/21/01
Volatiles											
1,1,1-Trichloroethane	ND(0.039) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.038)	ND(0.037)
1,1,2,2-Tetrachloroethane	ND(0.079) [ND(0.079)]	ND(0.075)	ND(0.080)	ND(0.073)	ND(0.078)	ND(0.072)	ND(0.077)	ND(0.074) [ND(0.075)]	ND(0.074)	ND(0.077)	ND(0.074)
1,1,2-Trichloroethane	ND(0.039) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.038)	ND(0.037)
1,1-Dichloroethane	ND(0.039) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.038)	ND(0.037)
1,1-Dichloroethene	ND(0.039) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.038)	ND(0.037)
1,2,4-Trichlorobenzene	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	0.031 J
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) J [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)
1,2-Dibromoethane (EDB)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)
1,2-Dichlorobenzene	ND(0.079) [ND(0.079)]	ND(0.075)	ND(0.080)	ND(0.073)	ND(0.078)	ND(0.072)	ND(0.077)	ND(0.074) [ND(0.075)]	ND(0.074)	ND(0.077)	ND(0.074)
1,2-Dichloroethane	ND(0.039) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.038)	ND(0.037)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.039) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.038)	ND(0.037)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.079) [ND(0.079)]	ND(0.075)	ND(0.080)	ND(0.073)	ND(0.078)	ND(0.072)	ND(0.077)	ND(0.074) [ND(0.075)]	ND(0.074)	ND(0.077)	ND(0.074)
1,4-Dichlorobenzene	ND(0.079) [ND(0.079)]	ND(0.075)	ND(0.080)	ND(0.073)	ND(0.078)	ND(0.072)	ND(0.077)	ND(0.074) [ND(0.075)]	ND(0.074)	ND(0.077)	ND(0.074)
2-Butanone	ND(0.28) [ND(0.28)]	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.28)	ND(0.26)	ND(0.28)	ND(0.26) [ND(0.27)]	ND(0.26)	ND(0.27) J	ND(0.26) J
2-Hexanone	ND(0.28) [ND(0.28)]	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.28)	ND(0.26)	ND(0.28)	ND(0.26) [ND(0.27)]	ND(0.26)	ND(0.27)	ND(0.26)
4-Methyl-2-pentanone	ND(0.28) [ND(0.28)]	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.28)	ND(0.26)	ND(0.28)	ND(0.26) [ND(0.27)]	ND(0.26)	ND(0.27)	ND(0.26)
Acetone	ND(0.38) J [ND(0.34) J]	ND(0.27) J	ND(0.28)	ND(0.26)	ND(0.28)	ND(0.26)	ND(0.28)	ND(0.26) [ND(0.27)]	ND(0.26)	ND(0.27) J	ND(0.26) J
Benzene	ND(0.039) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.038)	ND(0.037)
Benzene, isopropyl	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)
Bromodichloromethane	ND(0.079) [ND(0.079)]	ND(0.075)	ND(0.080)	ND(0.073)	ND(0.078)	ND(0.072)	ND(0.077)	ND(0.074) [ND(0.075)]	ND(0.074)	ND(0.077)	ND(0.074)
Bromoform	ND(0.079) [ND(0.079)]	ND(0.075)	ND(0.080)	ND(0.073)	ND(0.078)	ND(0.072)	ND(0.077)	ND(0.074) [ND(0.075)]	ND(0.074)	ND(0.077)	ND(0.074)
Bromomethane	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16) J	ND(0.16) J
Carbon disulfide	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)
Carbon tetrachloride	ND(0.039) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.038)	ND(0.037)
Chlorobenzene	ND(0.039) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.038)	ND(0.037)
Chloroethane	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)
Chloroform	ND(0.039) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.038)	ND(0.037)
Chloromethane	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16) J	ND(0.16) J
cis-1,2-Dichloroethene	ND(0.039) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.038)	ND(0.037)
cis-1,3-Dichloropropene	ND(0.039) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.038)	ND(0.037)
Cyclohexane	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)
Dibromochloromethane	ND(0.079) [ND(0.079)]	ND(0.075)	ND(0.080)	ND(0.073)	ND(0.078)	ND(0.072)	ND(0.077)	ND(0.074) [ND(0.075)]	ND(0.074)	ND(0.077)	ND(0.074)
Dichlorodifluoromethane (CFC-12)	ND(0.079) [ND(0.079)]	ND(0.075)	ND(0.080)	ND(0.073)	ND(0.078)	ND(0.072)	ND(0.077)	ND(0.074) [ND(0.075)]	ND(0.074)	ND(0.077)	ND(0.074)
Ethylbenzene	ND(0.039) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.038)	ND(0.037)
m&p-Xylene	ND(0.079) [ND(0.079)]	ND(0.075)	ND(0.080)	ND(0.073)	ND(0.078)	ND(0.072)	ND(0.077)	ND(0.074) [ND(0.075)]	ND(0.074)	ND(0.077)	ND(0.074)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-38-01	RFI-38-01	RFI-38-02	RFI-38-02	RFI-38-02	RFI-38-03	RFI-38-03	RFI-38-03	RFI-38-03	RFI-38-04	RFI-38-04
Sample Depth(feet):	18.5-20.5	8.5-10.5	1-3	15-17	5-7	1-3	17-19	5-7	9-11	0.2-2.2	16.2-18.2
Date Collected:	07/23/01	07/23/01	07/19/01	07/19/01	07/19/01	07/18/01	07/18/01	07/18/01	07/18/01	08/21/01	08/21/01
Methyl acetate	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	0.069 J [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)
Methyl Tert Butyl Ether	ND(0.28) [ND(0.28)]	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.28)	ND(0.26)	ND(0.28)	ND(0.26) [ND(0.27)]	ND(0.26)	ND(0.27)	ND(0.26)
Methylcyclohexane	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)	0.029 J	ND(0.16)
Methylene chloride	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	0.050 J	ND(0.16) [ND(0.16)]	0.094 J	ND(0.16)	ND(0.16)
o-Xylene	ND(0.039) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.038)	ND(0.037)
Styrene	ND(0.039) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.038)	ND(0.037)
Tetrachloroethene	ND(0.039) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.038)	ND(0.037)
Toluene	ND(0.039) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.038)	ND(0.037)
trans-1,2-Dichloroethene	ND(0.039) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.038)	ND(0.037)
trans-1,3-Dichloropropene	ND(0.039) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.038)	ND(0.037)
Trichloroethene	ND(0.039) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.038)	ND(0.037)
Trichlorofluoromethane (CFC-11)	ND(0.079) [ND(0.079)]	ND(0.075)	ND(0.080)	ND(0.073)	ND(0.078)	ND(0.072)	ND(0.077)	ND(0.074) [ND(0.075)]	ND(0.074)	ND(0.077)	ND(0.074)
Trifluorotrichloroethane (Freon 113)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) [ND(0.16)]	ND(0.16)	ND(0.16)	ND(0.16)
Vinyl chloride	ND(0.039) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.038)	ND(0.037)
Xylenes (total)	ND(0.079) [ND(0.079)]	ND(0.075)	ND(0.080)	ND(0.073)	ND(0.078)	ND(0.072)	ND(0.077)	ND(0.074) [ND(0.075)]	ND(0.074)	ND(0.077)	ND(0.074)
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
2,4,6-Trichlorophenol	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
2,4-Dichlorophenol	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
2,4-Dimethylphenol	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
2,4-Dinitrophenol	ND(0.76) J [ND(0.77) J]	ND(0.71) J	ND(0.76) J	ND(0.69) J	ND(0.75)	ND(0.70)	ND(0.74)	ND(0.71) [ND(0.70)]	ND(0.71)	ND(0.74)	ND(0.70)
2,4-Dinitrotoluene	ND(0.76) [ND(0.77)]	ND(0.71)	ND(0.76)	ND(0.69)	ND(0.75)	ND(0.70)	ND(0.74)	ND(0.71) [ND(0.70)]	ND(0.71)	ND(0.74)	ND(0.70)
2,6-Dinitrotoluene	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
2-Chloronaphthalene	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
2-Chlorophenol	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
2-Methyl naphthalene	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
2-Methylphenol	ND(0.19) J [ND(0.20) J]	ND(0.18) J	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
2-Nitroaniline	ND(0.76) [ND(0.77)]	ND(0.71)	ND(0.76)	ND(0.69)	ND(0.75)	ND(0.70)	ND(0.74)	ND(0.71) [ND(0.70)]	ND(0.71)	ND(0.74)	ND(0.70)
2-Nitrophenol	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
3&4-Methylphenol	ND(0.39) J [ND(0.39) J]	ND(0.36) J	ND(0.38) J	ND(0.35) J	ND(0.38) J	ND(0.35) J	ND(0.38) J	ND(0.36) J [ND(0.36) J]	ND(0.36) J	ND(0.38) J	ND(0.35) J
3,3-Dichlorobenzidine	ND(0.76) [ND(0.77)]	ND(0.71)	ND(0.76)	ND(0.69)	ND(0.75)	ND(0.70)	ND(0.74)	ND(0.71) [ND(0.70)]	ND(0.71)	ND(0.74)	ND(0.70)
3-Nitroaniline	ND(0.76) [ND(0.77)]	ND(0.71)	ND(0.76)	ND(0.69)	ND(0.75)	ND(0.70)	ND(0.74)	ND(0.71) [ND(0.70)]	ND(0.71)	ND(0.74)	ND(0.70)
4,6-Dinitro-2-methylphenol	ND(0.76) [ND(0.77)]	ND(0.71)	ND(0.76)	ND(0.69)	ND(0.75)	ND(0.70)	ND(0.74)	ND(0.71) [ND(0.70)]	ND(0.71)	ND(0.74)	ND(0.70)
4-Bromophenyl phenyl ether	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
4-Chloro-3-methylphenol	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-38-01	RFI-38-01	RFI-38-02	RFI-38-02	RFI-38-02	RFI-38-03	RFI-38-03	RFI-38-03	RFI-38-03	RFI-38-04	RFI-38-04
Sample Depth(feet):	18.5-20.5	8.5-10.5	1-3	15-17	5-7	1-3	17-19	5-7	9-11	0.2-2.2	16.2-18.2
Date Collected:	07/23/01	07/23/01	07/19/01	07/19/01	07/19/01	07/18/01	07/18/01	07/18/01	07/18/01	08/21/01	08/21/01
4-Chloroaniline	ND(0.76) [ND(0.77)]	ND(0.71)	ND(0.76)	ND(0.69)	ND(0.75)	ND(0.70)	ND(0.74)	ND(0.71) [ND(0.70)]	ND(0.71)	ND(0.74)	ND(0.70)
4-Chlorophenyl phenyl ether	ND(0.76) J [ND(0.77) J]	ND(0.71) J	ND(0.76) J	ND(0.69) J	ND(0.75) J	ND(0.70) J	ND(0.74) J	ND(0.71) J [ND(0.70) J]	ND(0.71) J	ND(0.74)	ND(0.70)
4-Nitroaniline	ND(0.76) J [ND(0.77) J]	ND(0.71) J	ND(0.76)	ND(0.69)	ND(0.75)	ND(0.70)	ND(0.74)	ND(0.71) [ND(0.70)]	ND(0.71)	ND(0.74)	ND(0.70)
4-Nitrophenol	ND(0.76) [ND(0.77)]	ND(0.71)	ND(0.76)	ND(0.69)	ND(0.75)	ND(0.70)	ND(0.74)	ND(0.71) [ND(0.70)]	ND(0.71)	ND(0.74)	ND(0.70)
Acenaphthene	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
Acenaphthylene	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
Acetophenone	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
Anthracene	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	0.11 J	ND(0.18)
Atrazine	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18) J
Benzaldehyde	ND(0.19) J [ND(0.20) J]	ND(0.18) J	ND(0.19) J	ND(0.18) J	ND(0.19)	ND(0.18) J	ND(0.19) J	ND(0.18) J [ND(0.18) J]	ND(0.18) J	ND(0.19)	ND(0.18) J
Benzo(a)anthracene	ND(0.19) [ND(0.20)]	0.046 J	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	0.076 J [ND(0.18)]	ND(0.18)	0.6	ND(0.18)
Benzo(a)pyrene	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	0.093 J [ND(0.18)]	ND(0.18)	0.75 J	ND(0.18)
Benzo(b)fluoranthene	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	0.079 J [ND(0.18)]	ND(0.18)	0.87 J	ND(0.18)
Benzo(g,h,i)perylene	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	0.050 J [ND(0.18)]	ND(0.18)	0.51 J	ND(0.18)
Benzo(k)fluoranthene	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	0.078 J [ND(0.18)]	ND(0.18)	0.84 J	ND(0.18)
Biphenyl	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
bis(2-Chloroethoxy)methane	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
bis(2-Chloroethyl)ether	ND(0.038) [ND(0.038)]	ND(0.035)	ND(0.037)	ND(0.034)	ND(0.037)	ND(0.034)	ND(0.036)	ND(0.035) [ND(0.035)]	ND(0.035)	ND(0.037)	ND(0.034)
bis(2-Chloroisopropyl)ether	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
bis(2-Ethylhexyl)phthalate	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	0.23 J	0.13 J	ND(0.18)	0.096 J	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
Butyl benzylphthalate	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	0.12 J	ND(0.19)	ND(0.18)
Caprolactam	ND(0.19) J [ND(0.20) J]	ND(0.18) J	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18) J
Carbazole	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	0.11 J	ND(0.18)
Chrysene	ND(0.19) [ND(0.20)]	0.051 J	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	0.083 J [ND(0.18)]	ND(0.18)	0.84	ND(0.18)
Di-n-butylphthalate	ND(0.19) [ND(0.20)]	ND(0.18)	0.33 J	ND(0.18)	0.069 J	ND(0.18)	ND(0.19)	ND(0.18) [0.049 J]	ND(0.18)	ND(0.19)	ND(0.18)
Di-n-octyl phthalate	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19) J	ND(0.18)
Dibenzo(a,h)anthracene	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19) J	ND(0.18)
Dibenzofuran	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
Diethyl phthalate	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	0.057 J	ND(0.18)	0.15 J	ND(0.18) [0.066 J]	0.13 J	ND(0.19)	ND(0.18)
Dimethyl phthalate	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
Fluoranthene	ND(0.19) [ND(0.20)]	0.098 J	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	0.098 J [ND(0.18)]	0.044 J	1.3	ND(0.18)
Fluorene	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
Hexachlorobenzene	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
Hexachlorobutadiene	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
Hexachlorocyclopentadiene	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
Hexachloroethane	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
Indeno(1,2,3-cd)pyrene	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	0.049 J [ND(0.18)]	ND(0.18)	0.49 J	ND(0.18)
Isophorone	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
Methylphenols, Total	ND(0.39) [ND(0.39)]	ND(0.36)	ND(0.38)	ND(0.35)	ND(0.38)	ND(0.35)	ND(0.38)	ND(0.36) [ND(0.36)]	ND(0.36)	ND(0.38)	ND(0.35)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-38-01	RFI-38-01	RFI-38-02	RFI-38-02	RFI-38-02	RFI-38-03	RFI-38-03	RFI-38-03	RFI-38-03	RFI-38-04	RFI-38-04
Sample Depth(feet):	18.5-20.5	8.5-10.5	1-3	15-17	5-7	1-3	17-19	5-7	9-11	0.2-2.2	16.2-18.2
Date Collected:	07/23/01	07/23/01	07/19/01	07/19/01	07/19/01	07/18/01	07/18/01	07/18/01	07/18/01	08/21/01	08/21/01
N-Nitrosodi-n-propylamine	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
N-Nitrosodiphenylamine	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
Naphthalene	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
Nitrobenzene	ND(0.076) [ND(0.077)]	ND(0.071)	ND(0.076)	ND(0.069)	ND(0.075)	ND(0.070)	ND(0.074)	ND(0.071) [ND(0.070)]	ND(0.071)	ND(0.074)	ND(0.070)
Pentachlorophenol	ND(0.76) [ND(0.77)]	ND(0.71)	ND(0.76)	ND(0.69)	ND(0.75)	ND(0.70)	ND(0.74)	ND(0.71) [ND(0.70)]	ND(0.71)	ND(0.74)	ND(0.70)
Phenanthrene	ND(0.19) [ND(0.20)]	0.13 J	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	0.037 J	0.76	ND(0.18)
Phenol	ND(0.19) [ND(0.20)]	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.19)	ND(0.18)
Pyrene	ND(0.19) [ND(0.20)]	0.082 J	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.19)	0.12 J [ND(0.18)]	ND(0.18)	1.9	ND(0.18)
Inorganics											
Antimony	ND(0.22) J [ND(0.20) J]	ND(0.19) J	0.20 R	0.37 J	0.20 R	0.26 R	0.22 R	0.22 R [0.22 R]	0.21 R	ND(0.24) J	ND(0.22) J
Arsenic	1.9 [2.1]	3.3	3.7	2.4	3.9	3.6	2.4	4.1 [3.6]	4.7	4.5	2.7
Barium	4.4 J [4.7 J]	8.6 J	20	5.9	52	15	8.3	16 [17]	27	16	7.6
Beryllium	0.062 J [0.082]	0.15	0.15	0.078	0.33	0.13	0.12	0.15 [0.14]	0.26	0.17	0.067 J
Cadmium	0.093 [0.085]	0.069	0.14	0.054	0.16	0.096	0.12	0.12 [0.097]	0.11	0.29	0.064
Chromium	3.3 J [3.0 J]	5.8 J	7	3.6	10	5.3	4.7	6.2 [5.8]	12	8.6	4.9
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	1.6 [1.7]	2.6	3	1.7	5.4	2.5	1.4	2.6 [2.5]	3.6	3.2	2
Copper	3.0 J [3.3 J]	5.6 J	6.1	3.1	7.7	5.8	5	7.3 [6.8]	11	9.2	ND(5.3)
Cyanide (total)	0.20 R [0.20 R]	0.20 R	ND(0.20)	ND(0.20)	0.059 J	ND(0.20)	0.033 J	0.026 J [0.010 J]	0.041 J	0.12 J	ND(0.20)
Lead	3.1 J [3.1 J]	5.0 J	4.9	3	10	4.4	3.8	6.7 [6.3]	9.8	13 J	4.0 J
Manganese	99 J [100 J]	110 J	120 J	72 J	390 J	120 J	65 J	170 J [120 J]	200 J	280	100 J
Mercury	ND(0.080) [ND(0.079)]	ND(0.074)	0.023 J	ND(0.072)	0.044 J	0.023 J	ND(0.077)	0.027 J [0.027 J]	0.029 J	ND(0.078)	ND(0.072)
Nickel	5 [5.1]	5.7	7.3	4.6	9.9	6.1	5.1	6.9 [6.2]	10	16	5.6
Selenium	ND(0.15) [ND(0.080)]	ND(0.076)	0.27	0.27 J	0.42	0.33 J	0.38	0.34 [0.21]	0.39 J	0.21	0.27 J
Silver	0.024 J [0.051 J]	0.025 J	0.2	0.024 J	0.032 J	0.062 J	0.020 J	0.028 J [0.036 J]	0.046 J	0.14 J	0.074 J
Thallium	0.063 J [0.054 J]	0.042 J	0.051 J	0.034 J	0.12 J	0.055 J	0.044 J	0.066 J [0.052 J]	0.10 J	0.073 J	0.034 J
Vanadium	5.2 [5.2]	9.8	12	6.5	25	11	9	11 [9.3]	14	12	8.2
Zinc	16 J [16 J]	19 J	45	17	36	23	22	27 [25]	31	33	18
PCBs											
Aroclor-1016	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.039)	ND(0.036)
Aroclor-1221	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.039)	ND(0.036)
Aroclor-1232	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.039)	ND(0.036)
Aroclor-1242	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.039)	ND(0.036)
Aroclor-1248	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.039)	ND(0.036)
Aroclor-1254	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	ND(0.039)	ND(0.036)
Aroclor-1260	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	0.019 J	ND(0.036)
Total PCBs	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.040)	ND(0.036)	ND(0.039)	ND(0.036)	ND(0.039)	ND(0.037) [ND(0.037)]	ND(0.037)	0.019	ND(0.036)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-38-04	RFI-38-05	RFI-38-05	RFI-38-05	RFI-38-06	RFI-38-06	RFI-38-06	RFI-40-01	RFI-40-02	RFI-40-02	RFI-40-03
Sample Depth(feet):	8.2-10.2	0.6-2.6	14.6-16.6	8.6-10.6	0.5-2.5	12.5-14.5	8.5-10.5	0.3-2.3	0.9-2.9	8.9-10.9	0.7-2.7
Date Collected:	08/21/01	08/24/01	08/24/01	08/24/01	08/24/01	08/24/01	08/24/01	05/24/01	01/25/02	01/25/02	01/30/02
Volatiles											
1,1,1-Trichloroethane	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.042)	ND(0.038) [ND(0.037)]
1,1,2,2-Tetrachloroethane	ND(0.076)	ND(0.076)	ND(0.079)	ND(0.079) [ND(0.080)]	ND(0.075)	ND(0.075)	ND(0.074)	ND(0.078)	ND(0.081)	ND(0.085)	ND(0.076) [ND(0.074)]
1,1,2-Trichloroethane	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.042)	ND(0.038) [ND(0.037)]
1,1-Dichloroethane	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.042)	ND(0.038) [ND(0.037)]
1,1-Dichloroethene	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.042)	ND(0.038) [ND(0.037)]
1,2,4-Trichlorobenzene	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.16) [ND(0.16)]
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.16) [ND(0.16)]
1,2-Dibromoethane (EDB)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.16) [ND(0.16)]
1,2-Dichlorobenzene	ND(0.076)	ND(0.076)	ND(0.079)	ND(0.079) [ND(0.080)]	ND(0.075)	ND(0.075)	ND(0.074)	ND(0.078)	ND(0.081)	ND(0.085)	ND(0.076) [ND(0.074)]
1,2-Dichloroethane	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.037)	ND(0.037)	0.014 J	ND(0.041)	ND(0.042)	ND(0.038) [ND(0.037)]
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.042)	ND(0.038) [ND(0.037)]
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.076)	ND(0.076)	ND(0.079)	ND(0.079) [ND(0.080)]	ND(0.075)	ND(0.075)	ND(0.074)	ND(0.078)	ND(0.081)	ND(0.085)	ND(0.076) [ND(0.074)]
1,4-Dichlorobenzene	ND(0.076)	ND(0.076)	ND(0.079)	ND(0.079) [ND(0.080)]	ND(0.075)	ND(0.075)	ND(0.074)	ND(0.078)	ND(0.081)	ND(0.085)	ND(0.076) [ND(0.074)]
2-Butanone	ND(0.27) J	ND(0.27)	ND(0.28)	ND(0.28) [ND(0.28)]	ND(0.27)	ND(0.27)	ND(0.26)	ND(0.28)	ND(0.29)	ND(0.30)	ND(0.27) [ND(0.26)]
2-Hexanone	ND(0.27)	ND(0.27)	ND(0.28)	ND(0.28) [ND(0.28)]	ND(0.27)	ND(0.27)	ND(0.26)	ND(0.28)	ND(0.29)	ND(0.30)	ND(0.27) [ND(0.26)]
4-Methyl-2-pentanone	ND(0.27)	ND(0.27)	ND(0.28)	ND(0.28) [ND(0.28)]	ND(0.27)	ND(0.27)	ND(0.26)	ND(0.28)	ND(0.29)	ND(0.30)	ND(0.27) [ND(0.26)]
Acetone	ND(0.27) J	ND(0.27) J	ND(0.28) J	ND(0.28) J [ND(0.28) J]	ND(0.27) J	ND(0.27) J	ND(0.26) J	0.063 J	0.33	ND(0.30)	ND(0.27) [ND(0.26)]
Benzene	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.042)	ND(0.038) [ND(0.037)]
Benzene, isopropyl	ND(0.16)	0.035 J	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.16) [ND(0.16)]
Bromodichloromethane	ND(0.076)	ND(0.076)	ND(0.079)	ND(0.079) [ND(0.080)]	ND(0.075)	ND(0.075)	ND(0.074)	ND(0.078)	ND(0.081)	ND(0.085)	ND(0.076) [ND(0.074)]
Bromoform	ND(0.076)	ND(0.076)	ND(0.079)	ND(0.079) [ND(0.080)]	ND(0.075)	ND(0.075)	ND(0.074)	ND(0.078)	ND(0.081)	ND(0.085)	ND(0.076) [ND(0.074)]
Bromomethane	ND(0.16) J	ND(0.16)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.16) [ND(0.16)]
Carbon disulfide	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.16) [ND(0.16)]
Carbon tetrachloride	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.042)	ND(0.038) [ND(0.037)]
Chlorobenzene	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.042)	ND(0.038) [ND(0.037)]
Chloroethane	ND(0.16)	ND(0.16)	ND(0.17) J	ND(0.17) [ND(0.17) J]	ND(0.16) J	ND(0.16) J	ND(0.16) J	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.16) [ND(0.16)]
Chloroform	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.042)	ND(0.038) [ND(0.037)]
Chloromethane	ND(0.16) J	ND(0.16) J	0.031 J	ND(0.17) J [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	0.034 J	ND(0.18)	ND(0.16) [ND(0.16)]
cis-1,2-Dichloroethene	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.042)	ND(0.038) [ND(0.037)]
cis-1,3-Dichloropropene	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.042)	ND(0.038) [ND(0.037)]
Cyclohexane	ND(0.16)	ND(0.16)	ND(0.17) J	ND(0.17) [ND(0.17) J]	ND(0.16)	ND(0.16) J	ND(0.16) J	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.16) [ND(0.16)]
Dibromochloromethane	ND(0.076)	ND(0.076)	ND(0.079)	ND(0.079) [ND(0.080)]	ND(0.075)	ND(0.075)	ND(0.074)	ND(0.078)	ND(0.081)	ND(0.085)	ND(0.076) [ND(0.074)]
Dichlorodifluoromethane (CFC-12)	ND(0.076)	ND(0.076)	ND(0.079)	ND(0.079) [ND(0.080)]	ND(0.075)	ND(0.075)	ND(0.074)	ND(0.078)	ND(0.081)	ND(0.085)	ND(0.076) [ND(0.074)]
Ethylbenzene	ND(0.038)	0.18	ND(0.040)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.042)	ND(0.038) [ND(0.037)]
m&p-Xylene	ND(0.076)	0.12	ND(0.079)	ND(0.079) [ND(0.080)]	0.049 J	ND(0.075)	ND(0.074)	ND(0.078)	ND(0.081)	ND(0.085)	ND(0.076) [ND(0.074)]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-38-04	RFI-38-05	RFI-38-05	RFI-38-05	RFI-38-06	RFI-38-06	RFI-38-06	RFI-40-01	RFI-40-02	RFI-40-02	RFI-40-03
Sample Depth(feet):	8.2-10.2	0.6-2.6	14.6-16.6	8.6-10.6	0.5-2.5	12.5-14.5	8.5-10.5	0.3-2.3	0.9-2.9	8.9-10.9	0.7-2.7
Date Collected:	08/21/01	08/24/01	08/24/01	08/24/01	08/24/01	08/24/01	08/24/01	05/24/01	01/25/02	01/25/02	01/30/02
Methyl acetate	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.16)	0.073 J	0.19	0.071 J	ND(0.16) [ND(0.16)]
Methyl Tert Butyl Ether	ND(0.27)	ND(0.27)	ND(0.28)	ND(0.28) [ND(0.28)]	ND(0.27)	ND(0.27)	ND(0.26)	ND(0.28)	ND(0.29)	ND(0.30)	ND(0.27) [ND(0.26)]
Methylcyclohexane	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.16)	0.021 J	0.048 J	ND(0.18)	0.049 J [ND(0.16)]
Methylene chloride	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	0.030 J	ND(0.18)	0.028 J [0.027 J]
o-Xylene	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.037)	ND(0.037)	0.011 J	ND(0.041)	ND(0.042)	ND(0.038) [ND(0.037)]
Styrene	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.042)	ND(0.038) [ND(0.037)]
Tetrachloroethene	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.042)	ND(0.038) [ND(0.037)]
Toluene	ND(0.038)	0.031 J	ND(0.040)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.042)	ND(0.038) [ND(0.037)]
trans-1,2-Dichloroethene	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.042)	ND(0.038) [ND(0.037)]
trans-1,3-Dichloropropene	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.042)	ND(0.038) [ND(0.037)]
Trichloroethene	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040) [ND(0.040)]	ND(0.037)	0.071	ND(0.037)	ND(0.039)	0.051	ND(0.042)	0.32 [ND(0.037)]
Trichlorofluoromethane (CFC-11)	ND(0.076)	ND(0.076)	ND(0.079)	ND(0.079) [ND(0.080)]	ND(0.075)	ND(0.075)	ND(0.074)	ND(0.078)	ND(0.081)	ND(0.085)	ND(0.076) [ND(0.074)]
Trifluorotrichloroethane (Freon 113)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.16) [ND(0.16)]
Vinyl chloride	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040) [ND(0.040)]	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.042)	ND(0.038) [ND(0.037)]
Xylenes (total)	ND(0.076)	0.12	ND(0.079)	ND(0.079) [ND(0.080)]	0.049	ND(0.075)	ND(0.074)	0.011	ND(0.081)	ND(0.085)	ND(0.076) [ND(0.074)]
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
2,4,6-Trichlorophenol	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
2,4-Dichlorophenol	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
2,4-Dimethylphenol	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
2,4-Dinitrophenol	ND(0.71)	ND(0.72) J	ND(0.76)	ND(0.75) [ND(0.75)]	ND(0.72)	ND(0.70)	ND(0.71)	ND(0.75)	ND(0.78)	ND(0.82)	ND(0.71) [ND(0.70)]
2,4-Dinitrotoluene	ND(0.71)	ND(0.72)	ND(0.76)	ND(0.75) [ND(0.75)]	ND(0.72)	ND(0.70)	ND(0.71)	ND(0.75)	ND(0.78)	ND(0.82)	ND(0.71) [ND(0.70)]
2,6-Dinitrotoluene	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
2-Chloronaphthalene	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
2-Chlorophenol	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
2-Methyl naphthalene	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	0.3	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
2-Methylphenol	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
2-Nitroaniline	ND(0.71)	ND(0.72)	ND(0.76)	ND(0.75) [ND(0.75)]	ND(0.72)	ND(0.70)	ND(0.71)	ND(0.75)	ND(0.78)	ND(0.82)	ND(0.71) [ND(0.70)]
2-Nitrophenol	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
3&4-Methylphenol	ND(0.36) J	ND(0.36)	ND(0.39)	ND(0.38) [ND(0.38)]	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.36) [ND(0.36)]
3,3-Dichlorobenzidine	ND(0.71)	ND(0.72)	ND(0.76)	ND(0.75) [ND(0.75)]	ND(0.72) J	ND(0.70)	ND(0.71)	ND(0.75)	ND(0.78)	ND(0.82)	ND(0.71) [ND(0.70)]
3-Nitroaniline	ND(0.71)	ND(0.72)	ND(0.76)	ND(0.75) [ND(0.75)]	ND(0.72)	ND(0.70)	ND(0.71)	ND(0.75)	ND(0.78)	ND(0.82)	ND(0.71) [ND(0.70)]
4,6-Dinitro-2-methylphenol	ND(0.71)	ND(0.72)	ND(0.76)	ND(0.75) [ND(0.75)]	ND(0.72) J	ND(0.70)	ND(0.71)	ND(0.75)	ND(0.78)	ND(0.82)	ND(0.71) [ND(0.70)]
4-Bromophenyl phenyl ether	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
4-Chloro-3-methylphenol	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-38-04	RFI-38-05	RFI-38-05	RFI-38-05	RFI-38-06	RFI-38-06	RFI-38-06	RFI-40-01	RFI-40-02	RFI-40-02	RFI-40-03
Sample Depth(feet):	8.2-10.2	0.6-2.6	14.6-16.6	8.6-10.6	0.5-2.5	12.5-14.5	8.5-10.5	0.3-2.3	0.9-2.9	8.9-10.9	0.7-2.7
Date Collected:	08/21/01	08/24/01	08/24/01	08/24/01	08/24/01	08/24/01	08/24/01	05/24/01	01/25/02	01/25/02	01/30/02
4-Chloroaniline	ND(0.71)	ND(0.72)	ND(0.76)	ND(0.75) [ND(0.75)]	ND(0.72)	ND(0.70)	ND(0.71)	ND(0.75)	ND(0.78)	ND(0.82)	ND(0.71) [ND(0.70)]
4-Chlorophenyl phenyl ether	ND(0.71)	ND(0.72)	ND(0.76)	ND(0.75) [ND(0.75)]	ND(0.72)	ND(0.70)	ND(0.71)	ND(0.75)	ND(0.78)	ND(0.82)	ND(0.71) [ND(0.70)]
4-Nitroaniline	ND(0.71)	ND(0.72)	ND(0.76)	ND(0.75) [ND(0.75)]	ND(0.72)	ND(0.70)	ND(0.71)	ND(0.75)	ND(0.78)	ND(0.82)	ND(0.71) [ND(0.70)]
4-Nitrophenol	ND(0.71)	ND(0.72)	ND(0.76)	ND(0.75) [ND(0.75)]	ND(0.72)	ND(0.70)	ND(0.71)	ND(0.75)	ND(0.78)	ND(0.82)	ND(0.71) [ND(0.70)]
Acenaphthene	ND(0.18)	0.055 J	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	0.043 J	ND(0.21)	ND(0.18) [ND(0.18)]
Acenaphthylene	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	0.051 J	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
Acetophenone	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
Anthracene	ND(0.18)	0.22	ND(0.19)	0.046 J [ND(0.19)]	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.19)	0.12 J	0.17 J	0.073 J [ND(0.18)]
Atrazine	ND(0.18) J	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
Benzaldehyde	ND(0.18) J	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
Benzo(a)anthracene	ND(0.18)	0.44	ND(0.19)	0.054 J [ND(0.19)]	ND(0.18) J	ND(0.18)	ND(0.18)	0.10 J	0.62	0.35	0.14 J [ND(0.18)]
Benzo(a)pyrene	ND(0.18)	0.31	ND(0.19) J	0.051 J [ND(0.19)]	0.043 J	ND(0.18) J	ND(0.18)	0.21 J	0.62	ND(0.21)	0.13 J [ND(0.18)]
Benzo(b)fluoranthene	ND(0.18)	0.59	ND(0.19) J	0.045 J [ND(0.19) J]	ND(0.18) J	ND(0.18) J	ND(0.18)	0.46 J	0.91	ND(0.21)	0.12 J [ND(0.18)]
Benzo(g,h,i)perylene	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.19) J [ND(0.19) J]	ND(0.18) J	ND(0.18) J	ND(0.18)	0.11 J	1.4	ND(0.21)	0.069 J [ND(0.18)]
Benzo(k)fluoranthene	ND(0.18)	0.33	ND(0.19) J	0.056 J [ND(0.19) J]	ND(0.18) J	ND(0.18) J	ND(0.18)	0.15 J	0.69	ND(0.21)	0.097 J [ND(0.18)]
Biphenyl	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
bis(2-Chloroethoxy)methane	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
bis(2-Chloroethyl)ether	ND(0.035)	ND(0.035)	ND(0.038)	ND(0.037) [ND(0.037)]	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.035) [ND(0.035)]
bis(2-Chloroisopropyl)ether	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
bis(2-Ethylhexyl)phthalate	ND(0.18)	ND(0.18)	0.14 J	0.067 J [0.51 J]	ND(0.18) J	0.33	ND(0.18)	ND(0.19)	0.17 J	ND(0.21)	ND(0.18) [ND(0.18)]
Butyl benzylphthalate	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
Caprolactam	ND(0.18) J	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
Carbazole	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.19)	0.065 J	ND(0.21)	ND(0.18) [ND(0.18)]
Chrysene	ND(0.18)	0.49	ND(0.19)	0.058 J [ND(0.19)]	0.039 J	ND(0.18)	ND(0.18)	0.19 J	0.71	0.59	0.15 J [ND(0.18)]
Di-n-butylphthalate	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
Di-n-octyl phthalate	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.19) J [ND(0.19) J]	ND(0.18) J	ND(0.18) J	ND(0.18)	ND(0.19) J	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
Dibenzo(a,h)anthracene	ND(0.18)	ND(0.18)	ND(0.19) J	ND(0.19) J [ND(0.19) J]	ND(0.18) J	ND(0.18) J	ND(0.18)	ND(0.19) J	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
Dibenzofuran	ND(0.18)	0.052 J	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	0.090 J	0.042 J	ND(0.21)	ND(0.18) [ND(0.18)]
Diethyl phthalate	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [0.073 J]
Dimethyl phthalate	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
Fluoranthene	ND(0.18)	0.9	0.066 J	0.14 J [0.048 J]	ND(0.18) J	ND(0.18)	ND(0.18)	0.18 J	1.1	ND(0.21)	0.39 [ND(0.18)]
Fluorene	ND(0.18)	0.068 J	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	0.047 J	0.28	ND(0.18) [ND(0.18)]
Hexachlorobenzene	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
Hexachlorobutadiene	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
Hexachlorocyclopentadiene	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
Hexachloroethane	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
Indeno(1,2,3-cd)pyrene	ND(0.18)	0.12 J	ND(0.19) J	ND(0.19) J [ND(0.19) J]	ND(0.18) J	ND(0.18) J	ND(0.18)	0.11 J	1.1	ND(0.21)	0.064 J [ND(0.18)]
Isophorone	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
Methylphenols, Total	ND(0.36)	ND(0.36)	ND(0.39)	ND(0.38) [ND(0.38)]	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.36) [ND(0.36)]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-38-04	RFI-38-05	RFI-38-05	RFI-38-05	RFI-38-06	RFI-38-06	RFI-38-06	RFI-40-01	RFI-40-02	RFI-40-02	RFI-40-03
Sample Depth(feet):	8.2-10.2	0.6-2.6	14.6-16.6	8.6-10.6	0.5-2.5	12.5-14.5	8.5-10.5	0.3-2.3	0.9-2.9	8.9-10.9	0.7-2.7
Date Collected:	08/21/01	08/24/01	08/24/01	08/24/01	08/24/01	08/24/01	08/24/01	05/24/01	01/25/02	01/25/02	01/30/02
N-Nitrosodi-n-propylamine	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
N-Nitrosodiphenylamine	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18) J	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
Naphthalene	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	0.21	0.042 J	ND(0.21)	ND(0.18) [ND(0.18)]
Nitrobenzene	ND(0.071)	ND(0.072)	ND(0.076)	ND(0.075) [ND(0.075)]	ND(0.072)	ND(0.070)	ND(0.071)	ND(0.075)	ND(0.078)	ND(0.082)	ND(0.071) [ND(0.070)]
Pentachlorophenol	ND(0.71)	ND(0.72)	ND(0.76)	ND(0.75) [ND(0.75)]	ND(0.72) J	ND(0.70)	ND(0.71)	ND(0.75)	ND(0.78)	ND(0.82)	ND(0.71) [ND(0.70)]
Phenanthrene	ND(0.18)	0.52	0.072 J	0.14 J [0.062 J]	ND(0.18) J	ND(0.18)	ND(0.18)	0.21	0.6	1.7	0.4 [ND(0.18)]
Phenol	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.18) [ND(0.18)]
Pyrene	ND(0.18)	1.3	0.065 J	0.16 J [0.052 J]	ND(0.18) J	ND(0.18)	ND(0.18)	0.18 J	1	0.47	0.36 [ND(0.18)]
Inorganics											
Antimony	ND(0.27) J	ND(0.25)	ND(0.25)	ND(0.25) [ND(0.24)]	ND(0.24)	0.27 J	ND(0.23)	ND(0.37) J	0.14 J	0.15 J	0.082 J [0.056 J]
Arsenic	3.7	4.8	4.4	3.9 [ND(3.5)]	4.7	3.6	ND(1.7)	3.6 J	6.3	4.7	8.2(RDC) [3.9]
Barium	5.6	62	16	12 [11]	24	5.5	5.4	37 J	61	52	170 [48]
Beryllium	0.078 J	0.6	0.19	0.15 [0.15]	0.28	0.072 J	0.1	0.30 J	3.3	2.9	2.3 [1.3]
Cadmium	0.078	0.29	0.13	0.09 [0.081]	0.11	0.15	0.071	2.0 J	0.28	0.26	0.35 [0.16]
Chromium	3.9	27	6.7	5.7 [5.0]	9.5	3.9	4.6	8.8 J	17	13	15 [8.0]
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	2.1	6	3.3	3 [2.5]	4.9	2.2	1.9	3.4 J	5.8	5.4	6.7 [3.1]
Copper	ND(5.0)	24	9.9	5.8 [4.5]	6.2	6.1	4.6	31 J	15	11	9.9 [17]
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)	0.041 J	0.14 J	ND(0.20)	ND(0.20) [ND(0.20)]
Lead	3.9 J	24	6.8	5.5 [4.9]	12	4.8	4.7	23 J	12	6.8	12 [19]
Manganese	120 J	620	140	100 [100]	160	94	74	170	410	440	1200 [180]
Mercury	ND(0.073)	0.027 J	ND(0.080)	ND(0.078) [ND(0.079)]	0.024 J	ND(0.073)	ND(0.074)	0.041 J	ND(0.080)	ND(0.083)	0.022 J [0.042 J]
Nickel	5.4	18	8.5	6.9 [6.1]	9.6	6	5.4	8.0 J	16	14	13 [8.8]
Selenium	0.21 J	0.12	ND(0.10)	0.060 J [ND(0.095)]	0.1	0.25	0.098	0.54 J	0.15	ND(0.070)	0.18 J [0.19 J]
Silver	0.34	0.25	0.11 J	0.13 J [0.091 J]	0.11 J	0.15 J	0.093 J	0.081 J	0.19	0.18	0.13 J [0.13 J]
Thallium	0.040 J	0.16 J	0.060 J	0.066 J [0.062 J]	0.088 J	0.046 J	0.026 J	0.18 J	0.23	0.2	0.19 [0.14 J]
Vanadium	7.2	20	14	11 [9.4]	15	8.2	7.8	16 J	26	22	27 [14]
Zinc	21	63	36	27 [21]	28	19	21	51 J	35	35	39 [33]
PCBs											
Aroclor-1016	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.039) [ND(0.039)]	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.043)	ND(0.037) [ND(0.037)]
Aroclor-1221	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.039) [ND(0.039)]	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.043)	ND(0.037) [ND(0.037)]
Aroclor-1232	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.039) [ND(0.039)]	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.043)	ND(0.037) [ND(0.037)]
Aroclor-1242	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.039) [ND(0.039)]	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.043)	ND(0.037) [ND(0.037)]
Aroclor-1248	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.039) [0.079]	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.043)	ND(0.037) [ND(0.037)]
Aroclor-1254	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.039) [ND(0.039)]	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.039)	0.034 J	ND(0.043)	ND(0.037) [ND(0.037)]
Aroclor-1260	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.039) [ND(0.039)]	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.041)	ND(0.043)	ND(0.037) [ND(0.037)]
Total PCBs	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.039) [0.079]	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.039)	0.034	ND(0.043)	ND(0.037) [ND(0.037)]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-40-03	RFI-40-04	RFI-40-04	RFI-40-04	RFI-40-05	RFI-40-05	RFI-40-05	RFI-40-06	RFI-40-06	RFI-40-06	RFI-40-06	RFI-40-07
Sample Depth(feet):	6.7-8.7	0.5-2.5	22.5-24.5	8.5-10.5	0.8-2.8	10.8-12.8	8.8-10.8	11-13	1-3	15-17	9-11	0.7-2.7
Date Collected:	01/30/02	01/16/02	01/16/02	01/16/02	01/17/02	01/17/02	01/17/02	01/17/02	01/17/02	01/17/02	01/17/02	01/18/02
Volatiles												
1,1,1-Trichloroethane	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037) [ND(0.038)]
1,1,2,2-Tetrachloroethane	ND(0.080)	ND(0.076)	ND(0.080)	ND(0.077)	ND(0.080)	ND(0.078)	ND(0.082)	ND(0.080)	ND(0.076)	ND(0.082)	ND(0.082)	ND(0.074) [ND(0.076)]
1,1,2-Trichloroethane	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037) [ND(0.038)]
1,1-Dichloroethane	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037) [ND(0.038)]
1,1-Dichloroethene	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037) [ND(0.038)]
1,2,4-Trichlorobenzene	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16) [ND(0.16)]
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16) [ND(0.16)]
1,2-Dibromoethane (EDB)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16) [ND(0.16)]
1,2-Dichlorobenzene	ND(0 080)	ND(0.076)	ND(0.080)	ND(0.077)	ND(0.080)	ND(0.078)	ND(0.082)	ND(0.080)	ND(0.076)	ND(0.082)	ND(0.082)	ND(0.074) [ND(0.076)]
1,2-Dichloroethane	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037) [ND(0.038)]
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037) [ND(0.038)]
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.080)	ND(0.076)	ND(0.080)	ND(0.077)	ND(0.080)	ND(0.078)	ND(0.082)	ND(0.080)	ND(0.076)	ND(0.082)	ND(0.082)	ND(0.074) [ND(0.076)]
1,4-Dichlorobenzene	ND(0.080)	ND(0.076)	ND(0.080)	ND(0.077)	ND(0.080)	ND(0.078)	ND(0.082)	ND(0.080)	ND(0.076)	ND(0.082)	ND(0.082)	ND(0.074) [ND(0.076)]
2-Butanone	ND(0.29)	0.054 J	0.043 J	0.042 J	0.060 J	0.043 J	0.051 J	0.049 J	0.049 J	0.041 J	0.056 J	0.035 J [0.040 J]
2-Hexanone	ND(0.29)	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.29)	ND(0.28)	ND(0.29)	ND(0.29)	ND(0.27)	ND(0.29)	ND(0.29)	ND(0.27) [ND(0.27)]
4-Methyl-2-pentanone	ND(0.29)	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.29)	ND(0.28)	ND(0.29)	ND(0.29)	ND(0.27)	ND(0.29)	ND(0.29)	ND(0.27) [ND(0.27)]
Acetone	ND(0.29)	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.29)	ND(0.28)	ND(0.29)	ND(0.29)	ND(0.27)	ND(0.29)	ND(0.29)	0.083 J [0.065 J]
Benzene	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037) [ND(0.038)]
Benzene, isopropyl	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	0.059 J	ND(0.16)	ND(0.18)	0.050 J	ND(0.16) [ND(0.16)]
Bromodichloromethane	ND(0.080)	ND(0.076)	ND(0.080)	ND(0.077)	ND(0.080)	ND(0.078)	ND(0.082)	ND(0.080)	ND(0.076)	ND(0.082)	ND(0.082)	ND(0.074) [ND(0.076)]
Bromoform	ND(0.080)	ND(0.076)	ND(0.080)	ND(0.077)	ND(0.080)	ND(0.078)	ND(0.082)	ND(0.080)	ND(0.076)	ND(0.082)	ND(0.082)	ND(0.074) [ND(0.076)]
Bromomethane	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16) [ND(0.16)]
Carbon disulfide	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16) [ND(0.16)]
Carbon tetrachloride	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037) [ND(0.038)]
Chlorobenzene	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037) [ND(0.038)]
Chloroethane	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16) [ND(0.16)]
Chloroform	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037) [ND(0.038)]
Chloromethane	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16) [ND(0.16)]
cis-1,2-Dichloroethene	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037) [ND(0.038)]
cis-1,3-Dichloropropene	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037) [ND(0.038)]
Cyclohexane	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	0.039 J	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16) [ND(0.16)]
Dibromochloromethane	ND(0.080)	ND(0.076)	ND(0.080)	ND(0.077)	ND(0.080)	ND(0.078)	ND(0.082)	ND(0.080)	ND(0.076)	ND(0.082)	ND(0.082)	ND(0.074) [ND(0.076)]
Dichlorodifluoromethane (CFC-12)	ND(0.080)	ND(0.076)	ND(0.080)	ND(0.077)	ND(0.080)	ND(0.078)	ND(0.082)	ND(0.080)	ND(0.076)	ND(0.082)	ND(0.082)	ND(0.074) [ND(0.076)]
Ethylbenzene	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037) [ND(0.038)]
m&p-Xylene	ND(0.080)	ND(0.076)	ND(0.080)	ND(0.077)	ND(0.080)	ND(0.078)	ND(0.082)	0.043 J	ND(0.076)	ND(0.082)	ND(0.082)	ND(0.074) [ND(0.076)]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-40-03	RFI-40-04	RFI-40-04	RFI-40-04	RFI-40-05	RFI-40-05	RFI-40-05	RFI-40-06	RFI-40-06	RFI-40-06	RFI-40-06	RFI-40-07
Sample Depth(feet):	6.7-8.7	0.5-2.5	22.5-24.5	8.5-10.5	0.8-2.8	10.8-12.8	8.8-10.8	11-13	1-3	15-17	9-11	0.7-2.7
Date Collected:	01/30/02	01/16/02	01/16/02	01/16/02	01/17/02	01/17/02	01/17/02	01/17/02	01/17/02	01/17/02	01/17/02	01/18/02
Methyl acetate	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	0.22	ND(0.18)	ND(0.18)	ND(0.16) [ND(0.16)]
Methyl Tert Butyl Ether	ND(0.29)	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.29)	ND(0.28)	ND(0.29)	ND(0.29)	ND(0.27)	ND(0.29)	ND(0.29)	ND(0.27) [ND(0.27)]
Methylcyclohexane	ND(0.17)	0.046 J	ND(0.17)	ND(0.17)	0.042 J	ND(0.17)	ND(0.17)	0.17	ND(0.16)	0.034 J	0.084 J	ND(0.16) [ND(0.16)]
Methylene chloride	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16) [ND(0.16)]
o-Xylene	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	0.054	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037) [ND(0.038)]
Styrene	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037) [ND(0.038)]
Tetrachloroethene	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037) [ND(0.038)]
Toluene	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037) [ND(0.038)]
trans-1,2-Dichloroethene	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037) [ND(0.038)]
trans-1,3-Dichloropropene	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037) [ND(0.038)]
Trichloroethene	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037) [ND(0.038)]
Trichlorofluoromethane (CFC-11)	ND(0.080)	ND(0.076)	ND(0.080)	ND(0.077)	ND(0.080)	ND(0.078)	ND(0.082)	ND(0.080)	ND(0.076)	ND(0.082)	ND(0.082)	ND(0.074) [ND(0.076)]
Trifluorotrichloroethane (Freon 113)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.16) [ND(0.16)]
Vinyl chloride	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.038)	ND(0.041)	ND(0.041)	ND(0.037) [ND(0.038)]
Xylenes (total)	ND(0.080)	ND(0.076)	ND(0.080)	ND(0.077)	ND(0.080)	ND(0.078)	ND(0.082)	0.097	ND(0.076)	ND(0.082)	ND(0.082)	ND(0.074) [ND(0.076)]
Semivolatiles												
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
2,4,6-Trichlorophenol	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
2,4-Dichlorophenol	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
2,4-Dimethylphenol	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
2,4-Dinitrophenol	ND(0.76)	ND(0.72)	ND(0.75)	ND(0.74)	ND(0.77)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.77)	ND(0.79)	ND(0.72) [ND(0.72)]
2,4-Dinitrotoluene	ND(0.76)	ND(0.72)	ND(0.75)	ND(0.74)	ND(0.77)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.77)	ND(0.79)	ND(0.72) [ND(0.72)]
2,6-Dinitrotoluene	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
2-Chloronaphthalene	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
2-Chlorophenol	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
2-Methyl naphthalene	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	0.85	ND(0.18) [ND(0.18)]
2-Methylphenol	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
2-Nitroaniline	ND(0.76)	ND(0.72)	ND(0.75)	ND(0.74)	ND(0.77)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.77)	ND(0.79)	ND(0.72) [ND(0.72)]
2-Nitrophenol	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
3&4-Methylphenol	ND(0.39)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.39)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.40)	ND(0.37) [ND(0.37)]
3,3-Dichlorobenzidine	ND(0.76)	ND(0.72)	ND(0.75)	ND(0.74)	ND(0.77)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.77)	ND(0.79)	ND(0.72) [ND(0.72)]
3-Nitroaniline	ND(0.76)	ND(0.72)	ND(0.75)	ND(0.74)	ND(0.77)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.77)	ND(0.79)	ND(0.72) [ND(0.72)]
4,6-Dinitro-2-methylphenol	ND(0.76)	ND(0.72)	ND(0.75)	ND(0.74)	ND(0.77)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.77)	ND(0.79)	ND(0.72) [ND(0.72)]
4-Bromophenyl phenyl ether	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
4-Chloro-3-methylphenol	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-40-03	RFI-40-04	RFI-40-04	RFI-40-04	RFI-40-05	RFI-40-05	RFI-40-05	RFI-40-06	RFI-40-06	RFI-40-06	RFI-40-06	RFI-40-07
Sample Depth(feet):	6.7-8.7	0.5-2.5	22.5-24.5	8.5-10.5	0.8-2.8	10.8-12.8	8.8-10.8	11-13	1-3	15-17	9-11	0.7-2.7
Date Collected:	01/30/02	01/16/02	01/16/02	01/16/02	01/17/02	01/17/02	01/17/02	01/17/02	01/17/02	01/17/02	01/17/02	01/18/02
4-Chloroaniline	ND(0.76)	ND(0.72)	ND(0.75)	ND(0.74)	ND(0.77)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.77)	ND(0.79)	ND(0.72) [ND(0.72)]
4-Chlorophenyl phenyl ether	ND(0.76)	ND(0.72)	ND(0.75)	ND(0.74)	ND(0.77)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.77)	ND(0.79)	ND(0.72) [ND(0.72)]
4-Nitroaniline	ND(0.76)	ND(0.72)	ND(0.75)	ND(0.74)	ND(0.77)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.77)	ND(0.79)	ND(0.72) [ND(0.72)]
4-Nitrophenol	ND(0.76)	ND(0.72)	ND(0.75)	ND(0.74)	ND(0.77)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.77)	ND(0.79)	ND(0.72) [ND(0.72)]
Acenaphthene	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Acenaphthylene	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Acetophenone	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Anthracene	ND(0.19)	0.035 J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	0.093 J	0.16 J	ND(0.18) [ND(0.18)]
Atrazine	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Benzaldehyde	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Benzo(a)anthracene	ND(0.19)	0.13 J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	0.13 J	0.060 J	0.087 J	ND(0.18) [ND(0.18)]
Benzo(a)pyrene	ND(0.19)	0.12 J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	0.14 J	0.037 J	0.078 J	0.035 J [ND(0.18)]
Benzo(b)fluoranthene	ND(0.19)	0.14 J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	0.14 J	ND(0.20)	ND(0.20)	0.041 J [ND(0.18)]
Benzo(g,h,i)perylene	ND(0.19)	0.077 J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	0.082 J	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Benzo(k)fluoranthene	ND(0.19)	0.13 J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	0.13 J	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Biphenyl	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	0.054 J	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
bis(2-Chloroethoxy)methane	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
bis(2-Chloroethyl)ether	ND(0.038)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.039)	ND(0.035) [ND(0.035)]
bis(2-Chloroisopropyl)ether	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
bis(2-Ethylhexyl)phthalate	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	0.098 J	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Butyl benzylphthalate	ND(0.19)	0.041 J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	0.053 J	ND(0.20)	ND(0.20)	0.048 J [ND(0.18)]
Caprolactam	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Carbazole	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Chrysene	ND(0.19)	0.15 J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	0.16 J	0.084 J	0.13 J	0.042 J [ND(0.18)]
Di-n-butylphthalate	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Di-n-octyl phthalate	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Dibenzo(a,h)anthracene	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Dibenzofuran	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	0.044 J	ND(0.20)	ND(0.19)	ND(0.20)	0.076 J	ND(0.18) [ND(0.18)]
Diethyl phthalate	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	0.2	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Dimethyl phthalate	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Fluoranthene	ND(0.19)	0.26	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	0.21	0.044 J	0.058 J	0.048 J [ND(0.18)]
Fluorene	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	0.091 J	0.27	ND(0.18) [ND(0.18)]
Hexachlorobenzene	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Hexachlorobutadiene	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Hexachlorocyclopentadiene	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Hexachloroethane	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Indeno(1,2,3-cd)pyrene	ND(0.19)	0.068 J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	0.075 J	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Isophorone	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Methylphenols, Total	ND(0.39)	ND(0.37)	ND(0.38)	ND(0.37)	ND(0.39)	ND(0.38)	ND(0.40)	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.40)	ND(0.37) [ND(0.37)]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-40-03	RFI-40-04	RFI-40-04	RFI-40-04	RFI-40-05	RFI-40-05	RFI-40-05	RFI-40-06	RFI-40-06	RFI-40-06	RFI-40-06	RFI-40-07
Sample Depth(feet):	6.7-8.7	0.5-2.5	22.5-24.5	8.5-10.5	0.8-2.8	10.8-12.8	8.8-10.8	11-13	1-3	15-17	9-11	0.7-2.7
Date Collected:	01/30/02	01/16/02	01/16/02	01/16/02	01/17/02	01/17/02	01/17/02	01/17/02	01/17/02	01/17/02	01/17/02	01/18/02
N-Nitrosodi-n-propylamine	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
N-Nitrosodiphenylamine	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	0.096 J	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Naphthalene	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	0.091 J	ND(0.18) [ND(0.18)]
Nitrobenzene	ND(0.076)	ND(0.072)	ND(0.075)	ND(0.074)	ND(0.077)	ND(0.075)	ND(0.078)	ND(0.077)	ND(0.075)	ND(0.077)	ND(0.079)	ND(0.072) [ND(0.072)]
Pentachlorophenol	ND(0.76)	ND(0.72)	ND(0.75)	ND(0.74)	ND(0.77)	ND(0.75)	ND(0.78)	ND(0.77)	ND(0.75)	ND(0.77)	ND(0.79)	ND(0.72) [ND(0.72)]
Phenanthrene	ND(0.19)	0.17 J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	0.15 J	0.38	0.86	0.047 J [ND(0.18)]
Phenol	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.18) [ND(0.18)]
Pyrene	ND(0.19)	0.27	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	0.38	0.17 J	0.42	0.048 J [ND(0.18)]
Inorganics												
Antimony	0.068 J	0.13 J	0.029 J	0.047 J	0.020 J	0.070 J	0.036 J	0.028 J	0.086 J	0.031 J	0.037 J	ND(0.17) [ND(0.15)]
Arsenic	9.5(RDC)	9.3(RDC)	3.5	4.5	3.8	4.4	3.9	4.4	4.4	3.7	4.7	2.6 [2.4]
Barium	65	69	35	70	21	39	39	22	55	30	61	12 [10]
Beryllium	1.6	0.86	0.48	0.75	0.35	0.76	0.65	0.56	0.58	0.7	0.89	0.16 [0.12]
Cadmium	0.45	0.45	0.085	0.13	0.1	0.11	0.14	0.12	0.24	0.14	0.14	0.075 [0.057]
Chromium	13	7.6	8.5	14	7.8	15	12	12	13	10	19 J	7.6 [4.8]
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	5.5	2.5	3.7	5.9	3.7	6.3	4.8	5	3.2	4.5	7.5	1.8 [2.0]
Copper	8.4	11	7.3	10	9.7	9.8	11	9	13	9.2	14	6 [4.4]
Cyanide (total)	ND(0.20)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.20)	ND(0.40)	ND(0.50)	ND(0.40)	ND(0.40)	ND(0.50)	ND(0.50)	ND(0.20) [ND(0.20)]
Lead	13	16	4.2	7.6	8.3	6.7	6.7	9.8	220	8.7	10	18 [9.4]
Manganese	1100	480	210	310	170	300	230	290	210	270	400	220 [120]
Mercury	0.079	0.042 J	0.022 J	0.022 J	0.048 J	0.021 J	0.030 J	ND(0.080)	0.037 J	ND(0.080)	ND(0.078)	ND(0.073) [ND(0.074)]
Nickel	15	16	10	16	8.8	17	14	17	12	14	20	5.5 [5.3]
Selenium	0.30 J	1.9	0.1	0.12	0.089	0.2	0.43 J	0.18 J	0.084	0.55	0.048 J	0.1 [ND(0.060)]
Silver	0.11 J	0.26	0.10 J	0.17 J	0.088 J	0.11 J	0.12 J	0.093 J	0.12 J	0.11 J	0.13 J	0.025 J [0.013 J]
Thallium	0.17	0.91	0.10 J	0.19	0.53	0.19	0.3	0.15 J	0.089 J	0.12 J	0.21	ND(0.17) [ND(0.15)]
Vanadium	23	10	13	23	13	27	19	15	15	17	26	7.6 [7.4]
Zinc	47	85	20	32	27	28	28	24	52	25	34	15 [15]
PCBs												
Aroclor-1016	ND(0.040)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.041)	ND(0.038) [ND(0.038)]
Aroclor-1221	ND(0.040)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.041)	ND(0.038) [ND(0.038)]
Aroclor-1232	ND(0.040)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.041)	ND(0.038) [ND(0.038)]
Aroclor-1242	ND(0.040)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.041)	ND(0.038) [ND(0.038)]
Aroclor-1248	ND(0.040)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.041)	ND(0.038) [ND(0.038)]
Aroclor-1254	ND(0.040)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.041)	ND(0.038) [ND(0.038)]
Aroclor-1260	ND(0.040)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.041)	ND(0.038) [ND(0.038)]
Total PCBs	ND(0.040)	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.041)	ND(0.038) [ND(0.038)]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-40-07	RFI-40-08	RFI-40-08	RFI-40-08	RFI-40-09	RFI-40-09	RFI-40-10	RFI-40-10	RFI-44-01	RFI-44-01	RFI-44-02	RFI-44-02
Sample Depth(feet):	8.7-10.7	1-3	13-15	9-11	0.7-2.7	8.7-10.7	0.7-2.7	4.7-6.7	0.7-2	4-6	0.7-2	2-4
Date Collected:	01/18/02	01/24/02	01/25/02	01/24/02	01/25/02	01/25/02	01/30/02	01/30/02	05/17/01	05/17/01	05/17/01	05/17/01
Volatiles												
1,1,1-Trichloroethane	ND(0.040)	ND(0.040)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.037)]	ND(0.036)	ND(0.038)
1,1,2,2-Tetrachloroethane	ND(0.079)	ND(0.080)	ND(0.084)	ND(0.089)	ND(0.081)	ND(0.088)	ND(0.075)	ND(0.081)	ND(0.077)	ND(0.075) [ND(0.075)]	ND(0.072)	ND(0.076)
1,1,2-Trichloroethane	ND(0.040)	ND(0.040)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.037)]	ND(0.036)	ND(0.038)
1,1-Dichloroethane	ND(0.040)	ND(0.040)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.037)]	ND(0.036)	ND(0.038)
1,1-Dichloroethene	ND(0.040)	ND(0.040)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.037)]	ND(0.036)	ND(0.038)
1,2,4-Trichlorobenzene	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)
1,2-Dibromoethane (EDB)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)
1,2-Dichlorobenzene	ND(0.079)	ND(0.080)	ND(0.084)	ND(0.089)	ND(0.081)	ND(0.088)	ND(0.075)	ND(0.081)	ND(0.077)	ND(0.075) [ND(0.075)]	ND(0.072)	ND(0.076)
1,2-Dichloroethane	ND(0.040)	ND(0.040)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.041)	0.0077 J	0.0081 J [0.0080 J]	0.0077 J	ND(0.038)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.040)	ND(0.040)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.037)]	ND(0.036)	ND(0.038)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.079)	ND(0.080)	ND(0.084)	ND(0.089)	ND(0.081)	ND(0.088)	ND(0.075)	ND(0.081)	ND(0.077)	ND(0.075) [ND(0.075)]	ND(0.072)	ND(0.076)
1,4-Dichlorobenzene	ND(0.079)	ND(0.080)	ND(0.084)	ND(0.089)	ND(0.081)	ND(0.088)	ND(0.075)	ND(0.081)	ND(0.077)	ND(0.075) [ND(0.075)]	ND(0.072)	ND(0.076)
2-Butanone	0.033 J	0.046 J	ND(0.30)	0.059 J	ND(0.29)	0.070 J	ND(0.27)	ND(0.29)	0.032 J	ND(0.27) [0.016 J]	0.019 J	0.044 J
2-Hexanone	ND(0.28)	ND(0.29)	ND(0.30)	ND(0.32)	ND(0.29)	ND(0.31)	ND(0.27)	ND(0.29)	ND(0.27)	ND(0.27) [ND(0.27)]	ND(0.26)	ND(0.27)
4-Methyl-2-pentanone	ND(0.28)	ND(0.29)	ND(0.30)	ND(0.32)	ND(0.29)	ND(0.31)	ND(0.27)	ND(0.29)	ND(0.27)	ND(0.27) [ND(0.27)]	ND(0.26)	ND(0.27)
Acetone	0.074 J	0.086 J	ND(0.30)	ND(0.32)	ND(0.29)	ND(0.31)	ND(0.27)	ND(0.29)	0.049 J	ND(0.27) [0.049 J]	0.065 J	ND(0.27)
Benzene	ND(0.040)	ND(0.040)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.037)]	ND(0.036)	ND(0.038)
Benzene, isopropyl	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	0.067 J	ND(0.19)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)
Bromodichloromethane	ND(0.079)	ND(0.080)	ND(0.084)	ND(0.089)	ND(0.081)	ND(0.088)	ND(0.075)	ND(0.081)	ND(0.077)	ND(0.075) [ND(0.075)]	ND(0.072)	ND(0.076)
Bromoform	ND(0.079)	ND(0.080)	ND(0.084)	ND(0.089)	ND(0.081)	ND(0.088)	ND(0.075)	ND(0.081)	ND(0.077)	ND(0.075) [ND(0.075)]	ND(0.072)	ND(0.076)
Bromomethane	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)
Carbon disulfide	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)
Carbon tetrachloride	ND(0.040)	ND(0.040)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.037)]	ND(0.036)	ND(0.038)
Chlorobenzene	ND(0.040)	ND(0.040)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.037)]	ND(0.036)	ND(0.038)
Chloroethane	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)
Chloroform	ND(0.040)	ND(0.040)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.037)]	ND(0.036)	ND(0.038)
Chloromethane	ND(0.17)	ND(0.17)	ND(0.18)	0.033 J	ND(0.17)	0.044 J	ND(0.16)	ND(0.17)	0.036 J	0.032 J [0.030 J]	0.026 J	ND(0.16)
cis-1,2-Dichloroethene	ND(0.040)	ND(0.040)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.041)	0.026 J	ND(0.038) J [ND(0.037) J]	ND(0.036) J	ND(0.038)
cis-1,3-Dichloropropene	ND(0.040)	ND(0.040)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.037)]	ND(0.036)	ND(0.038)
Cyclohexane	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	0.11 J	ND(0.19)	ND(0.16)	ND(0.17)	ND(0.16) J	ND(0.16) J [ND(0.16) J]	ND(0.15) J	ND(0.16) J
Dibromochloromethane	ND(0.079)	ND(0.080)	ND(0.084)	ND(0.089)	ND(0.081)	ND(0.088)	ND(0.075)	ND(0.081)	ND(0.077)	ND(0.075) [ND(0.075)]	ND(0.072)	ND(0.076)
Dichlorodifluoromethane (CFC-12)	ND(0.079)	ND(0.080)	ND(0.084)	ND(0.089)	ND(0.081)	ND(0.088)	ND(0.075)	ND(0.081)	ND(0.077)	ND(0.075) [ND(0.075)]	ND(0.072)	ND(0.076)
Ethylbenzene	ND(0.040)	ND(0.040)	ND(0.042)	ND(0.045)	0.059	ND(0.044)	ND(0.037)	ND(0.041)	0.010 J	ND(0.038) [ND(0.037)]	ND(0.036)	ND(0.038)
m&p-Xylene	ND(0.079)	ND(0.080)	ND(0.084)	ND(0.089)	0.17	ND(0.088)	ND(0.075)	ND(0.081)	0.044 J	ND(0.075) [ND(0.075)]	ND(0.072)	ND(0.076)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-40-07	RFI-40-08	RFI-40-08	RFI-40-08	RFI-40-09	RFI-40-09	RFI-40-10	RFI-40-10	RFI-44-01	RFI-44-01	RFI-44-02	RFI-44-02
Sample Depth(feet):	8.7-10.7	1-3	13-15	9-11	0.7-2.7	8.7-10.7	0.7-2.7	4.7-6.7	0.7-2	4-6	0.7-2	2-4
Date Collected:	01/18/02	01/24/02	01/25/02	01/24/02	01/25/02	01/25/02	01/30/02	01/30/02	05/17/01	05/17/01	05/17/01	05/17/01
Methyl acetate	ND(0.17)	0.051 J	ND(0.18)	0.039 J	ND(0.17)	0.052 J	0.058 J	ND(0.17)	0.085 J	ND(0.16) [0.014 J]	0.22	12 D
Methyl Tert Butyl Ether	ND(0.28)	ND(0.29)	ND(0.30)	ND(0.32)	ND(0.29)	ND(0.31)	ND(0.27)	ND(0.29)	ND(0.27)	ND(0.27) [ND(0.27)]	ND(0.26)	ND(0.27)
Methylcyclohexane	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	0.34	ND(0.19)	0.040 J	ND(0.17)	0.0077 J	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)
Methylene chloride	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.17)	0.036 J	0.029 J	0.031 J	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)
o-Xylene	ND(0.040)	ND(0.040)	ND(0.042)	ND(0.045)	0.19	ND(0.044)	ND(0.037)	ND(0.041)	0.016 J	ND(0.038) [ND(0.037)]	ND(0.036)	ND(0.038)
Styrene	ND(0.040)	ND(0.040)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.037)]	ND(0.036)	ND(0.038)
Tetrachloroethene	ND(0.040)	ND(0.040)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	0.061	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.037)]	ND(0.036)	ND(0.038)
Toluene	ND(0.040)	ND(0.040)	ND(0.042)	ND(0.045)	0.13	ND(0.044)	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.037)]	ND(0.036)	ND(0.038)
trans-1,2-Dichloroethene	ND(0.040)	ND(0.040)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.037)]	ND(0.036)	ND(0.038)
trans-1,3-Dichloropropene	ND(0.040)	ND(0.040)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.037)]	ND(0.036)	ND(0.038)
Trichloroethene	ND(0.040)	0.041	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	0.15	0.031 J	0.011 J	0.013 J [0.061]	ND(0.036)	0.036 J
Trichlorofluoromethane (CFC-11)	ND(0.079)	ND(0.080)	ND(0.084)	ND(0.089)	ND(0.081)	ND(0.088)	ND(0.075)	ND(0.081)	0.025 J	0.023 J [0.021 J]	0.036 J	ND(0.076)
Trifluorotrichloroethane (Freon 113)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.17)	ND(0.19)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.15)	ND(0.16)
Vinyl chloride	ND(0.040)	ND(0.040)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.038) [ND(0.037)]	ND(0.036)	ND(0.038)
Xylenes (total)	ND(0.079)	ND(0.080)	ND(0.084)	ND(0.089)	0.36	ND(0.088)	ND(0.075)	ND(0.081)	0.06	ND(0.075) [ND(0.075)]	ND(0.072)	ND(0.076)
Semivolatiles												
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
2,4,6-Trichlorophenol	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
2,4-Dichlorophenol	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
2,4-Dimethylphenol	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
2,4-Dinitrophenol	ND(0.76)	ND(0.78)	ND(0.81)	ND(0.85)	ND(0.76)	ND(0.84)	ND(0.70)	ND(0.77)	ND(0.74) J	ND(0.73) J [ND(0.72)]	ND(0.71) J	ND(0.70) J
2,4-Dinitrotoluene	ND(0.76)	ND(0.78)	ND(0.81)	ND(0.85)	ND(0.76)	ND(0.84)	ND(0.70)	ND(0.77)	ND(0.74)	ND(0.73) [ND(0.72)]	ND(0.71)	ND(0.70)
2,6-Dinitrotoluene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
2-Chloronaphthalene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
2-Chlorophenol	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
2-Methyl naphthalene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	0.19 J	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
2-Methylphenol	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
2-Nitroaniline	ND(0.76)	ND(0.78)	ND(0.81)	ND(0.85)	ND(0.76)	ND(0.84)	ND(0.70)	ND(0.77)	ND(0.74)	ND(0.73) [ND(0.72)]	ND(0.71)	ND(0.70)
2-Nitrophenol	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
3&4-Methylphenol	ND(0.39)	ND(0.40)	ND(0.41)	ND(0.43)	ND(0.39)	ND(0.43)	ND(0.36)	ND(0.39)	ND(0.37)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.36)
3,3-Dichlorobenzidine	ND(0.76)	ND(0.78)	ND(0.81)	ND(0.85)	ND(0.76)	ND(0.84)	ND(0.70)	ND(0.77)	ND(0.74)	ND(0.73) [ND(0.72)]	ND(0.71)	ND(0.70)
3-Nitroaniline	ND(0.76)	ND(0.78)	ND(0.81)	ND(0.85)	ND(0.76)	ND(0.84)	ND(0.70)	ND(0.77)	ND(0.74)	ND(0.73) [ND(0.72)]	ND(0.71)	ND(0.70)
4,6-Dinitro-2-methylphenol	ND(0.76)	ND(0.78)	ND(0.81)	ND(0.85)	ND(0.76)	ND(0.84)	ND(0.70)	ND(0.77)	ND(0.74)	ND(0.73) [ND(0.72)]	ND(0.71)	ND(0.70)
4-Bromophenyl phenyl ether	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
4-Chloro-3-methylphenol	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-40-07	RFI-40-08	RFI-40-08	RFI-40-08	RFI-40-09	RFI-40-09	RFI-40-10	RFI-40-10	RFI-44-01	RFI-44-01	RFI-44-02	RFI-44-02
Sample Depth(feet):	8.7-10.7	1-3	13-15	9-11	0.7-2.7	8.7-10.7	0.7-2.7	4.7-6.7	0.7-2	4-6	0.7-2	2-4
Date Collected:	01/18/02	01/24/02	01/25/02	01/24/02	01/25/02	01/25/02	01/30/02	01/30/02	05/17/01	05/17/01	05/17/01	05/17/01
4-Chloroaniline	ND(0.76)	ND(0.78)	ND(0.81)	ND(0.85)	ND(0.76)	ND(0.84)	ND(0.70)	ND(0.77)	ND(0.74)	ND(0.73) [ND(0.72)]	ND(0.71)	ND(0.70)
4-Chlorophenyl phenyl ether	ND(0.76)	ND(0.78)	ND(0.81)	ND(0.85)	ND(0.76)	ND(0.84)	ND(0.70)	ND(0.77)	ND(0.74)	ND(0.73) [ND(0.72)]	ND(0.71)	ND(0.70)
4-Nitroaniline	ND(0.76)	ND(0.78)	ND(0.81)	ND(0.85)	ND(0.76)	ND(0.84)	ND(0.70)	ND(0.77)	ND(0.74)	ND(0.73) [ND(0.72)]	ND(0.71)	ND(0.70)
4-Nitrophenol	ND(0.76)	ND(0.78)	ND(0.81)	ND(0.85)	ND(0.76)	ND(0.84)	ND(0.70)	ND(0.77)	ND(0.74)	ND(0.73) [ND(0.72)]	ND(0.71)	ND(0.70)
Acenaphthene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	0.034 J	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Acenaphthylene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	0.052 J	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Acetophenone	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Anthracene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	0.087 J	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	0.075 J	0.043 J
Atrazine	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Benzaldehyde	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Benzo(a)anthracene	ND(0.19)	0.055 J	0.059 J	ND(0.22)	0.24	ND(0.21)	0.36	ND(0.19)	0.13 J	ND(0.18) [ND(0.18)]	0.44 J	0.12 J
Benzo(a)pyrene	ND(0.19)	0.048 J	0.038 J	ND(0.22)	0.28	ND(0.21)	0.35	ND(0.19)	0.16 J	ND(0.18) [ND(0.18) J]	0.55 J	ND(0.18) J
Benzo(b)fluoranthene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	0.44	ND(0.21)	0.35	ND(0.19)	0.2	ND(0.18) [ND(0.18) J]	0.55 J	0.23 J
Benzo(g,h,i)perylene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	0.17 J	ND(0.21)	0.26	ND(0.19)	0.10 J	ND(0.18) [ND(0.18) J]	ND(0.18) J	0.22 J
Benzo(k)fluoranthene	ND(0.19)	0.042 J	ND(0.20)	ND(0.22)	0.29	ND(0.21)	0.29	ND(0.19)	0.2	ND(0.18) [ND(0.18) J]	0.36 J	0.22 J
Biphenyl	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
bis(2-Chloroethoxy)methane	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
bis(2-Chloroethyl)ether	ND(0.037)	ND(0.038)	ND(0.040)	ND(0.042)	ND(0.038)	ND(0.041)	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.036) [ND(0.036)]	ND(0.035)	ND(0.035)
bis(2-Chloroisopropyl)ether	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
bis(2-Ethylhexyl)phthalate	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	0.060 J	ND(0.19)	0.11 J	ND(0.18) [0.12 J]	0.20 J	ND(0.18)
Butyl benzylphthalate	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	0.27	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Caprolactam	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Carbazole	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	0.062 J	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Chrysene	ND(0.19)	0.058 J	0.072 J	ND(0.22)	0.32	ND(0.21)	0.4	ND(0.19)	0.17 J	ND(0.18) [ND(0.18)]	0.55 J	0.16 J
Di-n-butylphthalate	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Di-n-octyl phthalate	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18) J]	ND(0.18) J	ND(0.18) J
Dibenzo(a,h)anthracene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	0.096 J	ND(0.19)	0.056 J	ND(0.18) [ND(0.18) J]	ND(0.18) J	ND(0.18) J
Dibenzofuran	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	0.054 J	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Diethyl phthalate	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Dimethyl phthalate	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Fluoranthene	ND(0.19)	0.11 J	0.11 J	ND(0.22)	0.47	ND(0.21)	0.76	ND(0.19)	0.2	ND(0.18) [ND(0.18)]	0.94 J	0.24
Fluorene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	0.041 J	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Hexachlorobenzene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Hexachlorobutadiene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Hexachlorocyclopentadiene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Hexachloroethane	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Indeno(1,2,3-cd)pyrene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	0.17 J	ND(0.21)	0.22	ND(0.19)	0.10 J	ND(0.18) [ND(0.18) J]	0.28 J	0.19 J
Isophorone	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Methylphenols, Total	ND(0.39)	ND(0.40)	ND(0.41)	ND(0.43)	ND(0.39)	ND(0.43)	ND(0.36)	ND(0.39)	ND(0.37)	ND(0.37) [ND(0.37)]	ND(0.36)	ND(0.36)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-40-07	RFI-40-08	RFI-40-08	RFI-40-08	RFI-40-09	RFI-40-09	RFI-40-10	RFI-40-10	RFI-44-01	RFI-44-01	RFI-44-02	RFI-44-02
Sample Depth(feet):	8.7-10.7	1-3	13-15	9-11	0.7-2.7	8.7-10.7	0.7-2.7	4.7-6.7	0.7-2	4-6	0.7-2	2-4
Date Collected:	01/18/02	01/24/02	01/25/02	01/24/02	01/25/02	01/25/02	01/30/02	01/30/02	05/17/01	05/17/01	05/17/01	05/17/01
N-Nitrosodi-n-propylamine	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
N-Nitrosodiphenylamine	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Naphthalene	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	0.12 J	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Nitrobenzene	ND(0.076)	ND(0.078)	ND(0.081)	ND(0.085)	ND(0.076)	ND(0.084)	ND(0.070)	ND(0.077)	ND(0.074)	ND(0.073) [ND(0.072)]	ND(0.071)	ND(0.070)
Pentachlorophenol	ND(0.76)	ND(0.78)	ND(0.81)	ND(0.85)	ND(0.76)	ND(0.84)	ND(0.70)	ND(0.77)	ND(0.74)	ND(0.73) [ND(0.72)]	ND(0.71)	ND(0.70)
Phenanthrene	ND(0.19)	0.077 J	0.060 J	ND(0.22)	0.24	ND(0.21)	0.52	ND(0.19)	0.094 J	ND(0.18) [ND(0.18)]	0.16 J	0.12 J
Phenol	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) [ND(0.18)]	ND(0.18)	ND(0.18)
Pyrene	ND(0.19)	0.085 J	0.12 J	ND(0.22)	0.48	ND(0.21)	0.64	ND(0.19)	0.23	ND(0.18) [ND(0.18)]	0.90 J	0.27
Inorganics												
Antimony	ND(0.16)	0.24	0.19	0.38	0.3	0.18 J	0.10 J	0.098 J	ND(0.47) J	ND(0.48) J [ND(0.42) J]	ND(0.42) J	ND(0.38) J
Arsenic	4.5	13(RDC)	5.4	5.5	7	4.3	4.8	9.1(RDC)	4.8	5.2 [5.9]	2.6	1.8
Barium	40	84	52	120	140	43	38	59	26	24 [20]	13	14
Beryllium	0.48	4.1	4.1	5.7 J	2.7	4.6	2.5	2.7	0.20 J	0.14 J [0.11 J]	0.11 J	0.098 J
Cadmium	0.09	1	0.29	0.5	1.1	0.31	0.23	0.17	0.33	0.14 [0.14]	0.1	0.087
Chromium	12	18	14	79 J	25	19	15	13	13	8.1 [6.1]	9	20
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	4.6	8.7	5.7	11	5.4	6.4	4.6	5.4	4.7	2.5 [2.2]	1.5	1.5
Copper	8.5	22	9.2	15	47	11	9.1	9.4	38	6.2 [5.3]	9.6	17
Cyanide (total)	ND(0.20)	0.057 J	ND(0.20)	ND(0.30)	0.34	ND(0.30)	ND(0.20)	ND(0.20)	0.19 J	ND(0.20) [0.017 J]	0.087 J	0.11 J
Lead	5.5	100	12	16	490(RDC)	8.5	11 J	8.7	68 J	5.7 J [5.6 J]	6.2 J	6.5 J
Manganese	200	760	450	500	400	420	410	280	250	300 [230]	110	120
Mercury	ND(0.076)	0.067 J	0.043 J	0.051 J	0.37	ND(0.083)	ND(0.074)	ND(0.077)	ND(0.076)	ND(0.076) [ND(0.074)]	ND(0.074)	ND(0.071)
Nickel	12	24	14	28	20	17	11	13	19	8.5 [7.3]	8.1	12
Selenium	ND(0.066)	0.54 J	0.1	0.32 J	0.78	0.27 J	0.23 J	ND(0.066)	ND(1.9)	ND(1.9) [ND(1.7)]	ND(1.7)	ND(1.5)
Silver	0.049 J	0.29	0.23	0.47	0.22	0.26	0.11 J	0.14 J	0.13 J	0.078 J [0.054 J]	0.044 J	ND(0.17)
Thallium	0.043 J	0.24	0.26	0.49	0.37	0.3	0.13 J	0.16 J	ND(0.30)	ND(0.30) [ND(0.26)]	ND(0.27)	ND(0.24)
Vanadium	17	35	22	150	21	31	22	24	15	9.2 [9.2]	7.5	5.5
Zinc	33	78	27	47	150	33	30	30	64 J	33 J [35 J]	20 J	14 J
PCBs												
Aroclor-1016	ND(0.040)	ND(0.041)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.038) [ND(0.038)]	ND(0.037)	ND(0.11)
Aroclor-1221	ND(0.040)	ND(0.041)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.038) [ND(0.038)]	ND(0.037)	ND(0.11)
Aroclor-1232	ND(0.040)	ND(0.041)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.038) [ND(0.038)]	ND(0.037)	ND(0.11)
Aroclor-1242	ND(0.040)	ND(0.041)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.038) [ND(0.038)]	ND(0.037)	ND(0.11)
Aroclor-1248	ND(0.040)	ND(0.041)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.038) [ND(0.038)]	ND(0.037)	ND(0.11)
Aroclor-1254	ND(0.040)	ND(0.041)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	0.014 J	ND(0.040)	ND(0.039)	ND(0.038) [ND(0.038)]	ND(0.037)	0.33
Aroclor-1260	ND(0.040)	ND(0.041)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.038) [ND(0.038)]	ND(0.037)	0.15
Total PCBs	ND(0.040)	ND(0.041)	ND(0.042)	ND(0.045)	ND(0.040)	ND(0.044)	0.014	ND(0.040)	ND(0.039)	ND(0.038) [ND(0.038)]	ND(0.037)	0.48

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-44-02	RFI-44-03	RFI-44-03	RFI-44-04	RFI-44-04	RFI-44-05	RFI-44-05	RFI-44-05	RFI-44-05	RFI-44-06	RFI-44-06
Sample Depth(feet):	4-6	0.9-2	6-8	0.9-2	2-4	0.9-2	10-12	2-4	8-10	1.3-3.3	5.3-7.3
Date Collected:	05/17/01	05/17/01	05/17/01	05/16/01	05/16/01	05/16/01	05/16/01	05/16/01	05/16/01	09/05/01	09/05/01
Volatiles											
1,1,1-Trichloroethane	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
1,1,2,2-Tetrachloroethane	ND(0.077)	ND(0.072)	ND(0.074)	ND(0.074)	ND(0.073)	ND(0.080)	ND(0.077)	ND(0.073)	ND(0.079) [ND(0.076)]	ND(0.075)	ND(0.076)
1,1,2-Trichloroethane	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
1,1-Dichloroethane	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
1,1-Dichloroethene	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
1,2,4-Trichlorobenzene	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16) J	ND(0.17)	ND(0.17)	ND(0.16) J	ND(0.17) [ND(0.16)]	ND(0.16)	ND(0.16)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.16)	ND(0.16)
1,2-Dibromoethane (EDB)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.16)	ND(0.16)
1,2-Dichlorobenzene	ND(0.077)	ND(0.072)	ND(0.074)	ND(0.074)	ND(0.073)	ND(0.080)	ND(0.077)	ND(0.073)	ND(0.079) [ND(0.076)]	ND(0.075)	ND(0.076)
1,2-Dichloroethane	ND(0.039)	0.0078 J	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.037)	0.0090 J [ND(0.038)]	ND(0.038)	ND(0.038)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.077)	ND(0.072)	ND(0.074)	ND(0.074)	ND(0.073)	ND(0.080)	ND(0.077)	ND(0.073)	ND(0.079) [ND(0.076)]	ND(0.075)	ND(0.076)
1,4-Dichlorobenzene	ND(0.077)	ND(0.072)	ND(0.074)	ND(0.074)	ND(0.073)	ND(0.080)	ND(0.077)	ND(0.073)	ND(0.079) [ND(0.076)]	ND(0.075)	ND(0.076)
2-Butanone	ND(0.28)	0.018 J	ND(0.27)	ND(0.27)	ND(0.26)	ND(0.28)	ND(0.28)	ND(0.26)	ND(0.28) [ND(0.27)]	ND(0.27)	0.048 J
2-Hexanone	ND(0.28)	ND(0.26)	ND(0.27)	ND(0.27)	ND(0.26)	ND(0.28)	ND(0.28)	ND(0.26)	ND(0.28) [ND(0.27)]	ND(0.27)	ND(0.27)
4-Methyl-2-pentanone	ND(0.28)	ND(0.26)	ND(0.27)	ND(0.27)	ND(0.26)	ND(0.28)	ND(0.28)	ND(0.26)	0.047 J [ND(0.27)]	ND(0.27)	ND(0.27)
Acetone	0.15 J	ND(0.26)	ND(0.27)	ND(0.27)	ND(0.26)	ND(0.28)	ND(0.28)	ND(0.26)	ND(0.28) [ND(0.27)]	ND(0.27)	ND(0.27)
Benzene	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
Benzene, isopropyl	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.16)	ND(0.16)
Bromodichloromethane	ND(0.077)	ND(0.072)	ND(0.074)	ND(0.074)	ND(0.073)	ND(0.080)	ND(0.077)	ND(0.073)	ND(0.079) [ND(0.076)]	ND(0.075)	ND(0.076)
Bromoform	ND(0.077)	ND(0.072)	ND(0.074)	ND(0.074)	ND(0.073)	ND(0.080)	ND(0.077)	ND(0.073)	ND(0.079) J [ND(0.076)]	ND(0.075)	ND(0.076)
Bromomethane	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) J	ND(0.16)	ND(0.17) J	ND(0.17) J	ND(0.16)	ND(0.17) [ND(0.16) J]	ND(0.16)	ND(0.16)
Carbon disulfide	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.16)	ND(0.16)
Carbon tetrachloride	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
Chlorobenzene	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
Chloroethane	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.16)	ND(0.16)
Chloroform	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
Chloromethane	ND(0.17)	0.027 J	ND(0.16)	0.035 J	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.16)	ND(0.16)
cis-1,2-Dichloroethene	ND(0.039)	ND(0.036) J	ND(0.037)	ND(0.037) J	ND(0.037) J	ND(0.040) J	ND(0.039) J	ND(0.037) J	ND(0.039) J [ND(0.038) J]	ND(0.038)	ND(0.038)
cis-1,3-Dichloropropene	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
Cyclohexane	0.0083 J	ND(0.16) J	ND(0.16) J	ND(0.16) J	ND(0.16) J	ND(0.17) J	ND(0.17) J	ND(0.16) J	ND(0.17) J [ND(0.16) J]	ND(0.16)	ND(0.16)
Dibromochloromethane	ND(0.077)	ND(0.072)	ND(0.074)	ND(0.074)	ND(0.073)	ND(0.080)	ND(0.077)	ND(0.073)	ND(0.079) [ND(0.076)]	ND(0.075)	ND(0.076)
Dichlorodifluoromethane (CFC-12)	ND(0.077)	ND(0.072)	ND(0.074)	ND(0.074)	ND(0.073)	ND(0.080)	ND(0.077)	ND(0.073)	ND(0.079) [ND(0.076)]	ND(0.075)	ND(0.076)
Ethylbenzene	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
m&p-Xylene	0.021 J	ND(0.072)	ND(0.074)	ND(0.074)	ND(0.073)	ND(0.080)	ND(0.077)	ND(0.073)	ND(0.079) [ND(0.076)]	ND(0.075)	ND(0.076)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-44-02	RFI-44-03	RFI-44-03	RFI-44-04	RFI-44-04	RFI-44-05	RFI-44-05	RFI-44-05	RFI-44-05	RFI-44-06	RFI-44-06
Sample Depth(feet):	4-6	0.9-2	6-8	0.9-2	2-4	0.9-2	10-12	2-4	8-10	1.3-3.3	5.3-7.3
Date Collected:	05/17/01	05/17/01	05/17/01	05/16/01	05/16/01	05/16/01	05/16/01	05/16/01	05/16/01	09/05/01	09/05/01
Methyl acetate	0.71	0.0093 J	ND(0.16)	0.032 J	0.036 J	0.085 J	ND(0.17)	0.029 J	ND(0.17) [ND(0.16)]	0.17	0.093 J
Methyl Tert Butyl Ether	ND(0.28)	ND(0.26)	ND(0.27)	ND(0.27)	ND(0.26)	ND(0.28)	ND(0.28)	ND(0.26)	ND(0.28) [ND(0.27)]	ND(0.27)	ND(0.27)
Methylcyclohexane	0.031 J	ND(0.16)	ND(0.16)	0.0058 J	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.16) J	ND(0.16)
Methylene chloride	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.16)	ND(0.16)
o-Xylene	0.012 J	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
Styrene	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
Tetrachloroethene	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
Toluene	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
trans-1,2-Dichloroethene	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
trans-1,3-Dichloropropene	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
Trichloroethene	0.043	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	0.075	ND(0.038)
Trichlorofluoromethane (CFC-11)	ND(0.077)	0.017 J	ND(0.074)	0.029 J	ND(0.073)	ND(0.080)	ND(0.077)	ND(0.073)	ND(0.079) [ND(0.076)]	ND(0.075)	ND(0.076)
Trifluorotrichloroethane (Freon 113)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.16)	ND(0.16)
Vinyl chloride	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
Xylenes (total)	0.033	ND(0.072)	ND(0.074)	ND(0.074)	ND(0.073)	ND(0.080)	ND(0.077)	ND(0.073)	ND(0.079) [ND(0.076)]	ND(0.075)	ND(0.076)
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18) J
2,4,6-Trichlorophenol	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18) J	ND(0.18) J
2,4-Dichlorophenol	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
2,4-Dimethylphenol	ND(0.93) J	ND(0.89) J	ND(0.91) J	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8) J	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
2,4-Dinitrophenol	ND(3.7) J	ND(3.5) J	ND(3.6) J	ND(7.1) J	ND(7.0) J	ND(0.75) J	ND(0.74) J	ND(7.0)	ND(0.74) J [ND(0.73) J]	ND(0.72)	ND(0.72)
2,4-Dinitrotoluene	ND(3.7)	ND(3.5)	ND(3.6)	ND(7.1)	ND(7.0)	ND(0.75)	ND(0.74)	ND(7.0)	ND(0.74) [ND(0.73)]	ND(0.72)	ND(0.72)
2,6-Dinitrotoluene	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
2-Chloronaphthalene	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
2-Chlorophenol	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
2-Methyl naphthalene	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
2-Methylphenol	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
2-Nitroaniline	ND(3.7)	ND(3.5)	ND(3.6)	ND(7.1)	ND(7.0)	ND(0.75)	ND(0.74)	ND(7.0)	ND(0.74) [ND(0.73)]	ND(0.72)	ND(0.72)
2-Nitrophenol	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
3&4-Methylphenol	ND(1.9)	ND(1.8)	ND(1.8)	ND(3.6)	ND(3.6)	ND(0.38)	ND(0.37)	ND(3.6)	ND(0.38) [ND(0.37)]	ND(0.37) J	ND(0.37) J
3,3-Dichlorobenzidine	ND(3.7)	ND(3.5)	ND(3.6)	ND(7.1) J	ND(7.0)	ND(0.75)	ND(0.74)	ND(7.0)	ND(0.74) [ND(0.73)]	ND(0.72)	ND(0.72)
3-Nitroaniline	ND(3.7)	ND(3.5)	ND(3.6)	ND(7.1)	ND(7.0)	ND(0.75)	ND(0.74)	ND(7.0)	ND(0.74) [ND(0.73)]	ND(0.72)	ND(0.72)
4,6-Dinitro-2-methylphenol	ND(3.7)	ND(3.5)	ND(3.6)	ND(7.1) J	ND(7.0)	ND(0.75)	ND(0.74)	ND(7.0)	ND(0.74) [ND(0.73)]	ND(0.72)	ND(0.72)
4-Bromophenyl phenyl ether	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
4-Chloro-3-methylphenol	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-44-02	RFI-44-03	RFI-44-03	RFI-44-04	RFI-44-04	RFI-44-05	RFI-44-05	RFI-44-05	RFI-44-05	RFI-44-06	RFI-44-06
Sample Depth(feet):	4-6	0.9-2	6-8	0.9-2	2-4	0.9-2	10-12	2-4	8-10	1.3-3.3	5.3-7.3
Date Collected:	05/17/01	05/17/01	05/17/01	05/16/01	05/16/01	05/16/01	05/16/01	05/16/01	05/16/01	09/05/01	09/05/01
4-Chloroaniline	ND(3.7)	ND(3.5)	ND(3.6)	ND(7.1)	ND(7.0)	ND(0.75)	ND(0.74)	ND(7.0)	ND(0.74) [ND(0.73)]	ND(0.72)	ND(0.72)
4-Chlorophenyl phenyl ether	ND(3.7)	ND(3.5)	ND(3.6)	ND(7.1)	ND(7.0)	ND(0.75)	ND(0.74)	ND(7.0)	ND(0.74) [ND(0.73)]	ND(0.72) J	ND(0.72) J
4-Nitroaniline	ND(3.7)	ND(3.5)	ND(3.6)	ND(7.1)	ND(7.0)	ND(0.75)	ND(0.74)	ND(7.0)	ND(0.74) [ND(0.73)]	ND(0.72)	ND(0.72)
4-Nitrophenol	ND(3.7)	ND(3.5)	ND(3.6)	ND(7.1)	ND(7.0)	ND(0.75)	ND(0.74) J	ND(7.0)	ND(0.74) [ND(0.73)]	ND(0.72)	ND(0.72) J
Acenaphthene	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18) J	ND(0.18)
Acenaphthylene	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18) J	ND(0.18)
Acetophenone	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
Anthracene	0.37 J	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	0.060 J	ND(0.18)
Atrazine	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
Benzaldehyde	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
Benzo(a)anthracene	1.2 J	ND(0.89)	ND(0.91)	ND(1.8) J	ND(1.8)	0.067 J	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	0.23 J	0.057 J
Benzo(a)pyrene	1.2 J	ND(0.89) J	ND(0.91) J	ND(1.8) J	ND(1.8)	0.076 J	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	0.24 J	0.063 J
Benzo(b)fluoranthene	1.3 J	ND(0.89) J	ND(0.91) J	ND(1.8) J	ND(1.8)	0.090 J	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	0.26 J	0.048 J
Benzo(g,h,i)perylene	0.37 J	ND(0.89) J	ND(0.91) J	ND(1.8) J	ND(1.8)	0.096 J	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	0.33 J	0.057 J
Benzo(k)fluoranthene	1.3 J	ND(0.89) J	ND(0.91) J	ND(1.8) J	ND(1.8)	0.071 J	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	0.18 J	0.054 J
Biphenyl	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
bis(2-Chloroethoxy)methane	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
bis(2-Chloroethyl)ether	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.35) J	ND(0.35)	ND(0.037)	ND(0.036)	ND(0.35)	ND(0.036) [ND(0.036)]	ND(0.036)	ND(0.036)
bis(2-Chloroisopropyl)ether	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
bis(2-Ethylhexyl)phthalate	0.41 J	ND(0.89)	ND(0.91)	ND(1.8) J	ND(1.8)	0.12 J	ND(0.19)	ND(1.8)	ND(0.19) [0.056 J]	0.12 J	ND(0.18)
Butyl benzylphthalate	1.1 J	ND(0.89)	ND(0.91)	5.6 E	ND(1.8)	0.47	ND(0.19)	0.83 J	ND(0.19) [ND(0.19)]	0.39 J	ND(0.18)
Caprolactam	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
Carbazole	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
Chrysene	1.2 J	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	0.081 J	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	0.25 J	0.064 J
Di-n-butylphthalate	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
Di-n-octyl phthalate	ND(0.93) J	ND(0.89) J	ND(0.91) J	ND(1.8) J	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18) J	ND(0.18) J
Dibenzo(a,h)anthracene	ND(0.93) J	ND(0.89) J	ND(0.91) J	ND(1.8) J	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18) J	ND(0.18) J
Dibenzofuran	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
Diethyl phthalate	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
Dimethyl phthalate	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
Fluoranthene	2.7 J	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	0.085 J	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	0.34 J	0.10 J
Fluorene	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
Hexachlorobenzene	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
Hexachlorobutadiene	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
Hexachlorocyclopentadiene	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18) J	ND(0.18)
Hexachloroethane	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
Indeno(1,2,3-cd)pyrene	0.46 J	ND(0.89) J	ND(0.91) J	ND(1.8) J	ND(1.8)	0.083 J	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	0.30 J	0.046 J
Isophorone	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
Methylphenols, Total	ND(1.9)	ND(1.8)	ND(1.8)	ND(3.6)	ND(3.6)	ND(0.38)	ND(0.37)	ND(3.6)	ND(0.38) [ND(0.37)]	ND(0.37)	ND(0.37)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-44-02	RFI-44-03	RFI-44-03	RFI-44-04	RFI-44-04	RFI-44-05	RFI-44-05	RFI-44-05	RFI-44-05	RFI-44-06	RFI-44-06
Sample Depth(feet):	4-6	0.9-2	6-8	0.9-2	2-4	0.9-2	10-12	2-4	8-10	1.3-3.3	5.3-7.3
Date Collected:	05/17/01	05/17/01	05/17/01	05/16/01	05/16/01	05/16/01	05/16/01	05/16/01	05/16/01	09/05/01	09/05/01
N-Nitrosodi-n-propylamine	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
N-Nitrosodiphenylamine	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
Naphthalene	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
Nitrobenzene	ND(0.37)	ND(0.35)	ND(0.36)	ND(0.71)	ND(0.70)	ND(0.075)	ND(0.074)	ND(0.70)	ND(0.074) [ND(0.073)]	ND(0.072)	ND(0.072)
Pentachlorophenol	ND(3.7)	ND(3.5)	ND(3.6)	ND(7.1)	ND(7.0)	ND(0.75)	ND(0.74)	ND(7.0)	ND(0.74) [ND(0.73)]	ND(0.72) J	ND(0.72)
Phenanthrene	1.6 J	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	0.055 J	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	0.25	0.096 J
Phenol	ND(0.93)	ND(0.89)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.19)	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	ND(0.18)	ND(0.18)
Pyrene	2.7 J	ND(0.89)	ND(0.91)	ND(1.8) J	ND(1.8)	0.14 J	ND(0.19)	ND(1.8)	ND(0.19) [ND(0.19)]	0.55 J	0.16 J
Inorganics											
Antimony	ND(0.41) J	ND(0.41) J	ND(0.41) J	0.43 R	0.39 R	0.34 J	0.34 R	0.38 R	0.37 R [0.44 R]	ND(0.16) J	ND(0.19) J
Arsenic	3.8	4.4	5	4.4	3.7	9.9(RDC)	4.5	4.3	4.5 [4.3]	6.3	2.3
Barium	64	28	15	25 J	14 J	160 J	36 J	16 J	49 J [59 J]	51 J	17
Beryllium	0.48	0.13 J	0.14 J	0.19 J	0.12 J	1.8	0.52	0.14 J	0.39 [0.41]	0.23	0.12
Cadmium	0.32	0.085	0.084	0.13	0.073	0.68	0.098	0.1	0.089 J [0.32 J]	0.56	0.15
Chromium	39	5.2	5.5	18	13	210	18	11	13 [16]	18 J	6.4
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	2.7	2.4	2.3	3.0 J	2.0 J	4.8 J	7.1 J	2.3 J	5.4 J [4.8 J]	4.4	2
Copper	32	6.3	6.4	36 J	13 J	78 J	11 J	11 J	10 J [12 J]	37 J	14
Cyanide (total)	0.095 J	ND(0.20)	0.011 J	ND(0.20)	ND(0.20)	0.035 J	0.012 J	0.010 J	ND(0.20) [0.035 J]	0.38	6.7
Lead	63 J	4.8 J	4.1 J	9.2 J	4.4 J	57 J	8.0 J	6.1 J	10 J [7.7 J]	43 J	18
Manganese	980	140	140	320	180	5,000(RPSIC,IPSIC)	310	200	340 [250]	360	220
Mercury	0.032 J	ND(0.072)	ND(0.074)	ND(0.074)	ND(0.071)	0.023 J	ND(0.076)	ND(0.073)	ND(0.076) [ND(0.074)]	0.023 J	0.1
Nickel	20	7.3	8.3	12 J	10 J	44 J	19 J	11 J	15 J [16 J]	24 J	8.3
Selenium	ND(1.6)	ND(1.6)	ND(1.6)	ND(1.7) J	ND(1.6) J	0.73 J	ND(1.3) J	ND(1.5) J	ND(1.5) J [ND(1.7) J]	ND(0.064)	ND(0.076)
Silver	0.13 J	ND(0.19)	0.090 J	0.14 J	0.092 J	0.64	0.11 J	0.21	0.091 J [0.080 J]	0.23	0.018 J
Thallium	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.27)	ND(0.25)	ND(0.32)	0.19 J	ND(0.24)	0.14 J [0.12 J]	0.15 J	0.039 J
Vanadium	12	9.2	10	12	9.6	18	27	11	21 [23]	18 J	7.4
Zinc	65 J	26 J	22 J	48 J	18 J	160 J	35 J	25 J	32 J [41 J]	87 J	530 J
PCBs											
Aroclor-1016	ND(0.038)	ND(0.036)	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
Aroclor-1221	ND(0.038)	ND(0.036)	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
Aroclor-1232	ND(0.038)	ND(0.036)	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
Aroclor-1242	ND(0.038)	ND(0.036)	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
Aroclor-1248	ND(0.038)	ND(0.036)	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
Aroclor-1254	0.019 J	ND(0.036)	ND(0.038)	ND(0.037)	ND(0.037)	0.063	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
Aroclor-1260	ND(0.038)	ND(0.036)	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.039)	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)
Total PCBs	0.019	ND(0.036)	ND(0.038)	ND(0.037)	ND(0.037)	0.063	ND(0.039)	ND(0.037)	ND(0.039) [ND(0.038)]	ND(0.038)	ND(0.038)

From: <robert.metcalf@gm.com>
To: <cygan.gary@epamail.epa.gov>
Date: 3/5/02 11:29AM
Subject: Groundwater filtered and Unfiltered Analysis

The attached letter and tables evaluate the filtered vs unfiltered data issue, utilizing the NAO Flint Site data. I will put a hard copy in the snail mail today. We plan on discussing this in more detail in our conference call this Thursday (March 7th at 2:30 p.m. EST). Regards - Bob Metcalf

(See attached file: GWFilteredMemo.doc)(See attached file: Memo_Table1A.xls)(See attached file: Memo_Table1B.xls)(See attached file: Memo_Tables2&3.xls)

CC: <LAR@BBL-INC.COM>, <Jean.E.Caufield@gm.com>, <CJeng@environcorp.com>, <DCK@BBL-INC.COM>, <Molitor.Pamela@EPA.Gov>, <RJA@BBL-INC.COM>, <ssong@environcorp.com>

General Motors Corporation
Worldwide Facilities Group
Environmental Services
Remediation Team

June 27, 2002

Mr. Gary Cygan
United States Environmental Protection Agency – Region 5
Waste, Pesticide, and Toxics Division
77 West Jackson Boulevard DE-9J
Chicago, IL 60604-3590

Re: Groundwater Filtered and Unfiltered Analysis for Inorganics
General Motors Corporation North American Operations
Flint Operations Site, Flint, Michigan

Dear Mr. Cygan:

In response to your questions regarding filtered and unfiltered analysis for inorganics in groundwater samples from NAO Flint Operation, we have evaluated the groundwater data from the initial round of RFI sampling at the Site. The purpose of our evaluation was to determine whether the two types of groundwater data would lead to substantively different RFI conclusions about groundwater at the facility. In summary, the results of this evaluation indicate that the choice of the data types would not lead to substantively different conclusions about groundwater. The details of the evaluation are summarized below

Tables 1A and 1B present the unfiltered (total) and filtered (dissolved) groundwater analytical data for the inorganic constituents collected to date using low flow techniques. The data set for this comparison include the following groups:

- Target Analyte List (TAL) Inorganics in 32 samples (including 5 duplicates) from the 27 monitoring well locations along the downgradient perimeter of the Site, as identified in the Meeting Minutes of November 8, 2001;

- Target Analyte List (TAL) Inorganics in an additional 21 samples (including 1 duplicate) that have both unfiltered and filtered data available; and

- Mercury and cyanide in 133 samples from the remainder of the monitoring wells sampled in the RFI (the unfiltered samples were released for analysis due to the sample holding time).

The following is a summary of our evaluation of the unfiltered and filtered groundwater data.

- There are approximately 1,200 pairs of "unfiltered" and "filtered" data for inorganic analytes.

NAO Flint Operations Office
902 East Hamilton Avenue • Flint, MI 48550 • Mail Code 485-118-230 • FAX (810) 236-5496

- Fifty (50) of these pairs have an unfiltered and/or filtered concentration that are higher than the most stringent groundwater screening criteria (i.e., residential drinking water criteria). This means there is not an issue with approximately 96% of the pairs.

- Among the 50 pairs, 35 pairs have a detected concentration in both unfiltered and filtered samples, 2 have detected filtered concentrations only, and 13 pairs have detected unfiltered concentrations only.

- Of the 35 pairs that have detected concentrations in both unfiltered and filtered samples, 22 pairs have unfiltered and filtered concentrations that exceed the screening criteria (i.e., there is no difference in the screening results regardless of whether we use unfiltered or filtered data).

  Of the 35 pairs that have detected concentrations in both unfiltered and filtered samples, 2 pairs have filtered concentrations for analytes that exceed the criteria but the unfiltered concentrations do not. One analyte is antimony and the other is nickel. The filtered concentrations do not exceed the groundwater contact criteria, and are only slightly higher than the drinking water criteria.

  Of the 35 pairs that have detected concentrations in both unfiltered and filtered samples, 11 pairs have unfiltered concentrations for analytes that exceed criteria but the filtered concentrations do not. Four of these analytes are manganese, three are arsenic, two are chromium (total), one is nickel, and one is vanadium. These concentrations are lower than the groundwater contact criteria, and they are only slightly higher than the industrial and/or residential drinking water criteria. The concentrations of these pairs are presented in Table 2, and their significance is discussed below.

- Among the 2 pairs where the filtered concentrations exceed criteria and nothing was detected in the unfiltered concentrations, there was one pair involving beryllium and one involving vanadium. Both pairs are lower than the groundwater contact criteria. Beryllium is only slightly higher than the residential and industrial drinking water criteria (i.e., 0.0042 mg/L versus the criterion of 0.004 mg/L). Vanadium is higher than both residential and industrial drinking water criteria (i.e., 0.13 mg/L versus the industrial and residential criterion of 0.062 and 0.0045 mg/L, respectively).

- Among the 13 pairs where the unfiltered concentrations exceed criteria and nothing was detected in the filtered concentrations, 2 pairs are lead, 6 are vanadium, and 5 are beryllium. The two lead pairs are actually lower than the federal MCL of 0.015 mg/L (the MDEQ criterion is based on a generic assumption that is not relevant here). Four of the six vanadium pairs were between the residential and industrial drinking water criteria. The remaining 2 vanadium pairs were below groundwater contact criterion and above the industrial drinking water criterion. The 5 beryllium pairs were below the groundwater contact criterion but slightly greater than drinking water criterion. The concentrations of these pairs are presented in Table 2, and their significance is discussed below.

- From the above observations, there are only 22 pairs where the unfiltered concentrations exceed the screening criteria and the filtered concentrations do not, after accounting for the federal MCL for lead. These 22 pairs are: 7 vanadium, 5 beryllium, 4 manganese, 3 arsenic, 2 chromium (total), and 1 nickel. Table 2 presents the unfiltered and filtered concentrations of these pairs and the pertinent screening criteria. None of these pairs are greater than groundwater contact criterion. Thirteen (13) of the pairs exceed both residential and industrial drinking water criteria. The remaining nine (9) pairs exceed only the residential drinking water criterion.

  Out of the thirteen (13) pairs that exceed both drinking water criteria, four have the differences between the unfiltered and filtered concentrations within the range of analytical variability (19% to 51% relative percent difference (RPD)). This means that duplicate samples of the same type (e.g., two filtered measurements) could have resulted in one measurement exceeding the criterion and the other not. Three other pairs (RFI-36-14, RFI-07-08 and RFI-38-06) are the duplicate samples that the parent and duplicate concentrations are outside the typical range of analytical variability (discussed below). The remaining six pairs are associated with three locations and three specific analytes only: 36-FP-1 (beryllium), RFI-36-09 (beryllium, chromium, vanadium), and RFI-36-35 (chromium, vanadium). Further evaluation/re-sampling is recommended for these analytes at these locations.

- At locations RFI-36-14, RFI-07-08 and RFI-38-06, only the concentrations in the duplicate sample, and not in the parent sample, exceeded the criteria. Table 3 presents the parent and duplicate concentrations of these pairs and their relative percent differences (RPDs). The high RPDs in most pairs suggest that there is significant analytical variability between parent and duplicate sample results. Further evaluation/sampling at these locations is recommended to resolve the analytical variability issue.

We hope to discuss this during our biweekly conference call scheduled for March 7, 2002. Meanwhile, please contact me if you have any questions.

Sincerely,

Robert S. Metcalf, P.E.
Project Manager

cc: file
P. Molitor, USEPA
J. Caufield, GM
R. Anderson, BBL
D. Kaiding, BBL
L. Coffey, BBL
C. Jeng, ENVIRON
S. Song, ENVIRON

TABLE 1A
GROUNDWATER ANALYTICAL DATA
TOTAL AND DISSOLVED INORGANIC CONSTITUENTS

NAO FLINT
FLINT, MICHIGAN

Sample ID:				38-120		RFI-38-06		RFI-38-05	
Sample Type:				Well		Well		Well	
Date Collected:				09/27/01		09/28/01		09/28/01	
Sample Turbidity (NTU):				0		0		0	
pH (SU):				8		8		7	
Temperature (degrees C):				16		15		17	
Conductivity (mS/cm):		Generic MDEQ	Generic MDEQ	3		3		3	
Dissolved Oxygen (mg/L):		Residential	Industrial	0		8		8	
ORP (mV):		Drinking	Drinking	32		-71		43	
Screened Material:		Water (RDW)	Water (IDW)	sand		silt & sand		silt & sand	
	Units	Values	Values	Total	Dissolved	Total	Dissolved	Total	Dissolved
Inorganics									
Antimony	ug/L	6.0 {A}	6.0 {A}	1.4	ND(1.2)	ND(1.2) [0.96 J]	ND(1.2) [ND(1.2)]	ND(1.2)	ND(1.2)
Arsenic	ug/L	50 {A,B}	50 {A,B}	1.4 J	ND(1)	7.2 [9.8]	6.1 [6.2]	2.2 J	ND(1)
Barium	ug/L	2,000 {A}	2,000 {A}	180	130	150 [140]	140 [130]	160	130
Beryllium	ug/L	4.0 {A}	4.0 {A}	3.2	ND(0.4)	**1.5 [34]**	ND(0.4) [ND(0.4)]	1.5	ND(0.4)
Cadmium	ug/L	5.0 {A,B}	5.0 {A,B}	0.28 J	ND(0.2)	0.18 J [1.5 J]	ND(0.2) [ND(0.2)]	0.52	0.6
Chromium	ug/L	100 {A}	100 {A}	1.7	ND(0.6)	0.89 [3.2]	ND(0.6) [ND(0.6)]	1.6	0.74
Cobalt	ug/L	40	100	4.3	3.1	7.5 [8.3]	6.2 [6.4]	2.3	1.7
Copper	ug/L	1,000 {E}	1,000 {E}	2.8	0.85	2.0 [8.3]	0.77 [0.73]	7.5	5.4
Cyanide (total)	ug/L	200 {A,R}	200 {A,R}	ND(5)	ND(5)	ND(5) [ND(5)]	ND(5) [ND(5)]	ND(5)	ND(5)
Lead	ug/L	4.0 {L}	4.0 {L}	0.56	ND(0.4)	0.48 [0.70 J]	ND(0.4) [ND(0.4)]	0.51	ND(0.4)
Manganese	ug/L	860 {B}*	2,500 {B}*	570	410	550 [1,000]	550 J [520 J]	550	520 J
Mercury	ug/L	2.0 {A}	2.0 {A}	ND(0.2)	ND(0.2)	ND(0.2) [ND(0.2)]	ND(0.2) [ND(0.2)]	ND(0.2)	ND(0.2)
Nickel	ug/L	100 {A,B}	100 {A,B}	25	24	25 [30]	20 [21]	17	12
Selenium	ug/L	50 {A,B}	50 {A,B}	ND(1.4)	ND(1.4)	ND(1.4) [0.23 J]	2.1 [2.1 J]	1.6 J	ND(1.4)
Silver	ug/L	34 {B}	98 {B}	0.5 J	ND(0.4)	0.21 J [1.2 J]	ND(0.4) [ND(0.4)]	ND(0.4)	ND(0.4)
Thallium	ug/L	2.0 {A,B}	2.0 {A,B}	1.9	0.89	**3.8 [4.9]**	**3.1 [3.0]**	0.46	ND(0.2)
Vanadium	ug/L	4.5	62	ND(0.80)	ND(0.8)	ND(0.80) [5.4]	ND(0.8) [ND(0.8)]	ND(0.80)	ND(0.8)
Zinc	ug/L	2,400 {B}	5,000 {B,E}	14	11	11 [23]	8.7 J [8.3 J]	110	82 J

See Notes on Page 15.

TABLE 1A
GROUNDWATER ANALYTICAL DATA
TOTAL AND DISSOLVED INORGANIC CONSTITUENTS

NAO FLINT
FLINT, MICHIGAN

Sample ID:				RFI-38-04		36-101		RFI-36-02		RFI-36-35	
Sample Type:				Well		Well		Well		Well	
Date Collected:				09/27/01		09/28/01		10/04/01		09/27/01	
Sample Turbidity (NTU):				0		0		5.6		1.9	
pH (SU):				8		8		9.6		7.5	
Temperature (degrees C):				16		17		17.9		14.8	
Conductivity (mS/cm):		Generic MDEQ	Generic MDEQ	4		4		3.1		12.3	
Dissolved Oxygen (mg/L):		Residential	Industrial	10		8		0		2.9	
ORP (mV):		Drinking	Drinking	-18		-17		-142		-69	
Screened Material:		Water (RDW)	Water (IDW)	silt & sand		sand & silt		silt & sand		sand	
	Units	Values	Values	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Inorganics											
Antimony	ug/L	6.0 {A}	6.0 {A}	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	0.71 J	ND(1.2)
Arsenic	ug/L	50 {A,B}	50 {A,B}	1.4 J	ND(1)	1.4	1.7	85	57	20	5
Barium	ug/L	2,000 {A}	2,000 {A}	200	150	140	130	400	R	700	490
Beryllium	ug/L	4.0 {A}	4.0 {A}	1.1	ND(0.4)	0.37 J	ND(0.4)	0.74	ND(0.4)	3.6	ND(0.4)
Cadmium	ug/L	5.0 {A,B}	5.0 {A,B}	0.14 J	ND(0.2)	0.11 J	ND(0.2)	ND(0.2)	ND(0.2)	1.3	ND(0.2)
Chromium	ug/L	100 {A}	100 {A}	1.4	0.75 J	0.82 J	ND(0.6)	1.0	ND(0.6)	220	2.2
Cobalt	ug/L	40	100	2.7	1.9	2.1	1.8	14	8.4	9	6.3
Copper	ug/L	1,000 {E}	1,000 {E}	2.3	1.3	2.0	2.5	1.9	10 J	11	7.8
Cyanide (total)	ug/L	200 {A,R}	200 {A,R}	2.9 J	2.9 J	1.3 J	ND(5)	ND(5)	ND(5)	1.6 J	1.5 J
Lead	ug/L	4.0 {L}	4.0 {L}	0.44	ND(0.4)	0.38 J	ND(0.4)	0.51	ND(0.4)	2.5	3.9
Manganese	ug/L	860 {B}*	2,500 {B}*	880	770 J	440	450 J	1,200	780	850	500 J
Mercury	ug/L	2.0 {A}	2.0 {A}	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Nickel	ug/L	100 {A,B}	100 {A,B}	21	15	35	30	130	77	31	23
Selenium	ug/L	50 {A,B}	50 {A,B}	ND(1.4)	1.8 J	ND(1.4)	2.5 J	ND(1.4)	1.4	ND(1.4)	ND(1.4)
Silver	ug/L	34 {B}	98 {B}	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	0.96	ND(0.4)
Thallium	ug/L	2.0 {A,B}	2.0 {A,B}	0.24	ND(0.2)	0.25	ND(0.2)	0.18 J	ND(0.2)	0.58	ND(0.2)
Vanadium	ug/L	4.5	62	ND(0.80)	ND(0.8)	ND(0.80)	ND(0.8)	ND(0.80)	ND(0.8)	210	ND(0.8)
Zinc	ug/L	2,400 {B}	5,000 {B,E}	12	6.3 J	30	19 J	18	19 J	34	17 J

See Notes on Page 15.

TABLE 1A
GROUNDWATER ANALYTICAL DATA
TOTAL AND DISSOLVED INORGANIC CONSTITUENTS

NAO FLINT
FLINT, MICHIGAN

Sample ID:				36-100		RFI-36-03		36-FP1	
Sample Type:				Well		Well		Well	
Date Collected:				09/27/01		09/27/01		09/27/01	
Sample Turbidity (NTU):				0		7.5		0	
pH (SU):				7.5		7.75		7.48	
Temperature (degrees C):				16.5		16.1		15.8	
Conductivity (mS/cm):		Generic MDEQ	Generic MDEQ	4.75		7.38		6.27	
Dissolved Oxygen (mg/L):		Residential	Industrial	7.32		8.76		7.34	
ORP (mV):		Drinking	Drinking	-96		45		-93	
Screened Material:		Water (RDW)	Water (IDW)	sand		sand		sand	
	Units	Values	Values	Total	Dissolved	Total	Dissolved	Total	Dissolved
Inorganics									
Antimony	ug/L	6.0 {A}	6.0 {A}	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2) [ND(1.2)]	ND(1.2) [ND(1.2)]
Arsenic	ug/L	50 {A,B}	50 {A,B}	21	17	1.5 J	1.4	**58 [58]**	48 [48]
Barium	ug/L	2,000 {A}	2,000 {A}	840	630	150	170	830 [780]	620 [630]
Beryllium	ug/L	4.0 {A}	4.0 {A}	0.54	ND(0.4)	0.74	ND(0.4)	**1.0 [9.0]**	ND(0.4) [ND(0.4)]
Cadmium	ug/L	5.0 {A,B}	5.0 {A,B}	0.22	ND(0.2)	0.31	0.37	0.14 J [0.44 J]	ND(0.2) [ND(0.2)]
Chromium	ug/L	100 {A}	100 {A}	1	0.68 J	2.0	1.4	1.1 [1.5]	ND(0.6) [ND(0.6)]
Cobalt	ug/L	40	100	7.8	6	0.84	0.78	6.1 [6.5]	4.4 [4.4]
Copper	ug/L	1,000 {E}	1,000 {E}	3.8	1.5	2.3	2.1	9.6 [6.7]	2.9 [2.5]
Cyanide (total)	ug/L	200 {A,R}	200 {A,R}	3.5 J	3.3 J	11	10	1.6 J [1.4 J]	1.1 J [1.7 J]
Lead	ug/L	4.0 {L}	4.0 {L}	0.34 J	ND(0.4)	0.37 J	ND(0.4)	0.43 [0.44]	ND(0.4) [ND(0.4)]
Manganese	ug/L	860 {B}*	2,500 {B}*	1,600	1,500	110	120 J	1,700 [2,100]	1,500 J [1,500 J]
Mercury	ug/L	2.0 {A}	2.0 {A}	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2) [ND(0.2)]	ND(0.2) [ND(0.2)]
Nickel	ug/L	100 {A,B}	100 {A,B}	82	60	6.3	6.4	23 [25]	16 [16]
Selenium	ug/L	50 {A,B}	50 {A,B}	ND(1.4)	2.4 J	ND(1.4)	4.2 J	ND(1.4) [2.0 J]	ND(2.8) [ND(1.9)]
Silver	ug/L	34 {B}	98 {B}	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4) [0.27 J]	ND(0.4) [ND(0.4)]
Thallium	ug/L	2.0 {A,B}	2.0 {A,B}	0.30	ND(0.2)	0.15 J	ND(0.2)	0.20 J [0.28]	ND(0.2) [ND(0.2)]
Vanadium	ug/L	4.5	62	ND(0.80)	ND(0.8)	ND(0.80)	ND(0.8)	ND(0.80) [ND(0.80)]	ND(0.8) [ND(0.8)]
Zinc	ug/L	2,400 {B}	5,000 {B,E}	41	26	7.1	ND(6)	30 [32]	42 [39]

See Notes on Page 15.

TABLE 1A
GROUNDWATER ANALYTICAL DATA
TOTAL AND DISSOLVED INORGANIC CONSTITUENTS

NAO FLINT
FLINT, MICHIGAN

Sample ID:				36-FP2		36-FP8		RFI-36-09		20-100	
Sample Type:				Well		Well		Well		Well	
Date Collected:				09/28/01		09/27/01		09/27/01		09/21/01	
Sample Turbidity (NTU):				0		0		5		0	
pH (SU):				7.45		7.62		7.17		6.3	
Temperature (degrees C):				14.5		18.2		17.4		18.17	
Conductivity (mS/cm):		Generic MDEQ	Generic MDEQ	5.07		8.05		19		2.74	
Dissolved Oxygen (mg/L):		Residential	Industrial	7.47		7.47		7.66		1.79	
ORP (mV):		Drinking	Drinking	-106		-93		123		166	
Screened Material:		Water (RDW)	Water (IDW)	sand		sand		silt & sand		sand	
	Units	Values	Values	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Inorganics											
Antimony	ug/L	6.0 {A}	6.0 {A}	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	1.2 J	ND(1.2)	ND(1.2)	ND(1.2)
Arsenic	ug/L	50 {A,B}	50 {A,B}	**170**	**120**	14	11	5.0 J	5.9	1.7	ND(1)
Barium	ug/L	2,000 {A}	2,000 {A}	670	440	250	180	810	550	97	81
Beryllium	ug/L	4.0 {A}	4.0 {A}	0.64	ND(0.4)	2.3	ND(0.4)	**8.1**	ND(0.4)	ND(0.40)	ND(0.4)
Cadmium	ug/L	5.0 {A,B}	5.0 {A,B}	0.17 J	ND(0.2)	1.2	0.78	3.1	0.99	0.041 J	ND(0.2)
Chromium	ug/L	100 {A}	100 {A}	1.1	ND(0.6)	1.2	ND(0.6)	**190**	2.8	1.2	ND(0.6)
Cobalt	ug/L	40	100	0.98	0.52	4.2	2.8	3.5	0.82	0.17 J	ND(0.2)
Copper	ug/L	1,000 {E}	1,000 {E}	2.3	0.7	5.0	1.6	14	2.5	5.3	8
Cyanide (total)	ug/L	200 {A,R}	200 {A,R}	1.5 J	1.6 J	30	28	16	17	6.3	6.6
Lead	ug/L	4.0 {L}	4.0 {L}	0.35 J	ND(0.4)	0.51	ND(0.4)	0.77	ND(0.4)	0.11 J	ND(0.4)
Manganese	ug/L	860 {B}*	2,500 {B}*	150	110 J	**1,300**	**1,100 J**	35	23 J	9.2	3.2
Mercury	ug/L	2.0 {A}	2.0 {A}	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Nickel	ug/L	100 {A,B}	100 {A,B}	17	9.6	15	9	27	15	3.3	2
Selenium	ug/L	50 {A,B}	50 {A,B}	ND(1.4)	ND(1.4)	ND(1.4)	5.8 J	ND(1.4)	9.4	ND(1.4)	9
Silver	ug/L	34 {B}	98 {B}	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	1.5	ND(0.4)	ND(0.4)	ND(0.4)
Thallium	ug/L	2.0 {A,B}	2.0 {A,B}	0.20 J	ND(0.2)	0.17 J	ND(0.2)	0.62	ND(0.2)	0.15 J	ND(0.2)
Vanadium	ug/L	4.5	62	ND(0.80)	ND(0.8)	ND(0.80)	ND(0.8)	**380**	ND(0.8)	ND(0.80)	ND(0.8)
Zinc	ug/L	2,400 {B}	5,000 {B,E}	30	22 J	91	11	39	15	6.6	10

See Notes on Page 15.

TABLE 1A
GROUNDWATER ANALYTICAL DATA
TOTAL AND DISSOLVED INORGANIC CONSTITUENTS

NAO FLINT
FLINT, MICHIGAN

Sample ID:				RFI-36-14		20-103N		RFI-10-06	
Sample Type:				Well		Well		Well	
Date Collected:				10/02/01		09/21/01		09/24/01	
Sample Turbidity (NTU):				8.3		0		0	
pH (SU):				8.23		6.74		7.02	
Temperature (degrees C):				18.45		16		15	
Conductivity (mS/cm):		Generic MDEQ	Generic MDEQ	7.15		0.472		2.9	
Dissolved Oxygen (mg/L):		Residential	Industrial	0.0/4.0		1.23		9.44	
ORP (mV):		Drinking	Drinking	6		206		59	
Screened Material:		Water (RDW)	Water (IDW)	silt & sand		sand & silt		silt & sand	
	Units	Values	Values	Total	Dissolved	Total	Dissolved	Total	Dissolved
Inorganics									
Antimony	ug/L	6.0 {A}	6.0 {A}	ND(1.2) [ND(1.2)]	ND(1.2) [ND(1.2)]	ND(1.2)	1.2 J	0.34 J	ND(1.2)
Arsenic	ug/L	50 {A,B}	50 {A,B}	1.4 J [1.6 J]	ND(1) [ND(1)]	1.5	ND(1)	3.9	2.3 J
Barium	ug/L	2,000 {A}	2,000 {A}	290 [350]	250 [240]	15	12	160	95 J
Beryllium	ug/L	4.0 {A}	4.0 {A}	**0.34 J [6.9]**	ND(0.4) [ND(0.4)]	ND(0.40)	ND(0.4)	0.23 J	ND(0.4)
Cadmium	ug/L	5.0 {A,B}	5.0 {A,B}	0.38 [0.75]	0.39 [0.37]	ND(0.2)	ND(0.2)	0.19 J	ND(0.2)
Chromium	ug/L	100 {A}	100 {A}	0.92 [1.6]	ND(0.6) [ND(0.6)]	2.1	1	1.5	ND(0.6)
Cobalt	ug/L	40	100	2.4 [3.6]	2 [2.1]	0.57	0.3	2.2	1.2
Copper	ug/L	1,000 {E}	1,000 {E}	2.9 [3.8]	ND(5) [ND(1.8)]	6.1	7.3	15	3.7
Cyanide (total)	ug/L	200 {A,R}	200 {A,R}	1.5 J [ND(5)]	1.3 J [1.5 J]	1.6 J	1.5 J	2.2 J	2.4 J
Lead	ug/L	4.0 {L}	4.0 {L}	0.38 J [0.17 J]	ND(0.4) [ND(0.4)]	0.35 J	ND(0.4)	0.43	ND(0.4)
Manganese	ug/L	860 {B}*	2,500 {B}*	**1,500 [2,500]**	1,500 [1,500]	410	380	1,200	750 J
Mercury	ug/L	2.0 {A}	2.0 {A}	ND(0.2) [ND(0.2)]	ND(0.2) [ND(0.2)]	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Nickel	ug/L	100 {A,B}	100 {A,B}	11 [17]	**7.2 [170]**	5.2	3.8	14	6.9
Selenium	ug/L	50 {A,B}	50 {A,B}	0.49 J [4.8 J]	35 [32]	8.0	6.9	8.8 J	7.5
Silver	ug/L	34 {B}	98 {B}	ND(0.4) [0.27 J]	ND(0.4) [ND(0.4)]	ND(0.4)	ND(0.4)	0.19 J	ND(0.4)
Thallium	ug/L	2.0 {A,B}	2.0 {A,B}	0.17 J [0.27]	ND(0.2) [ND(0.2)]	0.21	ND(0.2)	0.20 J	ND(0.2)
Vanadium	ug/L	4.5	62	ND(0.80) [ND(0.80)]	ND(0.8) [ND(0.8)]	1.1	ND(0.8)	ND(0.80)	ND(0.8)
Zinc	ug/L	2,400 {B}	5,000 {B,E}	14 [21]	17 [14]	5.9 J	19	18	7

See Notes on Page 15.

TABLE 1A
GROUNDWATER ANALYTICAL DATA
TOTAL AND DISSOLVED INORGANIC CONSTITUENTS

NAO FLINT
FLINT, MICHIGAN

Sample ID:				RFI-10-04		RFI-10-11		70-163		70-102	
Sample Type:				Well		Well		Well		Well	
Date Collected:				09/26/01		10/01/01		09/28/01		09/27/01	
Sample Turbidity (NTU):				4.7		2.5		7.4		0	
pH (SU):				6.96		7.44		8.28		6.79	
Temperature (degrees C):				15.79		20.3		16.8		15.8	
Conductivity (mS/cm):		Generic MDEQ	Generic MDEQ	13.2		9.17		2.48		1.41	
Dissolved Oxygen (mg/L):		Residential	Industrial	6.85		NA		8.65		9.06	
ORP (mV):		Drinking	Drinking	261		100		-92		36	
Screened Material:		Water (RDW)	Water (IDW)	silt & sand		silt & sand		silt, sand & clay		sand	
	Units	Values	Values	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Inorganics											
Antimony	ug/L	6.0 {A}	6.0 {A}	0.70 J	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(2.9)
Arsenic	ug/L	50 {A,B}	50 {A,B}	4.1 J	2.2 J	1.6 J	ND(1)	10	ND(7.5)	4.6	2.8 J
Barium	ug/L	2,000 {A}	2,000 {A}	880	590	35	27	68	44	85	57
Beryllium	ug/L	4.0 {A}	4.0 {A}	1.7	ND(0.4)	ND(0.40)	ND(0.4)	2.3	ND(0.4)	0.75	ND(0.4)
Cadmium	ug/L	5.0 {A,B}	5.0 {A,B}	2.3	0.76	0.26	0.31	0.44	ND(0.2)	ND(0.2)	ND(0.2)
Chromium	ug/L	100 {A}	100 {A}	5.4	0.82	3.9	1.9	1.3	ND(0.6)	1.0	ND(0.6)
Cobalt	ug/L	40	100	3	1.1	0.67	0.55	16	10	1.1	0.91
Copper	ug/L	1,000 {E}	1,000 {E}	9.5	1.7	2.5	ND(2.8)	3.2	ND(3.3)	2.4	1.2
Cyanide (total)	ug/L	200 {A,R}	200 {A,R}	10	10	14	17	ND(5)	ND(5)	ND(5)	1.5 J
Lead	ug/L	4.0 {L}	4.0 {L}	1.2	ND(0.4)	0.46	ND(0.4)	0.29 J	ND(0.4)	0.40 J	ND(0.4)
Manganese	ug/L	860 {B}*	2,500 {B}*	290	180 J	220	230	3,200	2,500	460	410 J
Mercury	ug/L	2.0 {A}	2.0 {A}	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Nickel	ug/L	100 {A,B}	100 {A,B}	22	12	8.3	6.3	28	16	18	14
Selenium	ug/L	50 {A,B}	50 {A,B}	ND(1.4)	8.5 J	2.2 J	21	1.5 J	3.9 J	12	17
Silver	ug/L	34 {B}	98 {B}	1 J	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Thallium	ug/L	2.0 {A,B}	2.0 {A,B}	0.87	ND(0.2)	0.12 J	ND(0.2)	0.67	0.21	0.20 J	ND(0.2)
Vanadium	ug/L	4.5	62	11	ND(0.8)	0.27 J	ND(0.8)	ND(0.80)	ND(0.8)	ND(0.80)	ND(0.8)
Zinc	ug/L	2,400 {B}	5,000 {B,E}	46	22	9.1	19	16	14	65	73

See Notes on Page 15.

TABLE 1A
GROUNDWATER ANALYTICAL DATA
TOTAL AND DISSOLVED INORGANIC CONSTITUENTS

NAO FLINT
FLINT, MICHIGAN

Sample ID:				RFI-07-08		RFI-86-06D		RFI-86-01	
Sample Type:				Well		Well		Well	
Date Collected:				09/20/01		09/28/01		09/20/01	
Sample Turbidity (NTU):				0.1		0		0	
pH (SU):				7.72		7.69		7.15	
Temperature (degrees C):				15.2		15.8		17.7	
Conductivity (mS/cm):		Generic MDEQ	Generic MDEQ	2		3.59		1.55	
Dissolved Oxygen (mg/L):		Residential	Industrial	6.03		4.91		11.51	
ORP (mV):		Drinking	Drinking	22		129		-14	
Screened Material:		Water (RDW)	Water (IDW)	sand & clay		silt, sand & clay		sand & clay	
	Units	Values	Values	Total	Dissolved	Total	Dissolved	Total	Dissolved
Inorganics									
Antimony	ug/L	6.0 {A}	6.0 {A}	ND(1.2) [ND(1.2)]	ND(1.2) [ND(1.2)]	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
Arsenic	ug/L	50 {A,B}	50 {A,B}	2.8 J [3.6 J]	1.4 [1 J]	1.9	ND(1)	14	ND(1)
Barium	ug/L	2,000 {A}	2,000 {A}	150 [130]	96 [100 J]	150	100	140	100
Beryllium	ug/L	4.0 {A}	4.0 {A}	1.3 [16]	ND(0.4) [ND(0.4)]	0.31 J	ND(0.4)	2.8	ND(0.4)
Cadmium	ug/L	5.0 {A,B}	5.0 {A,B}	0.12 J [0.82 J]	ND(0.2) [ND(0.2)]	0.13 J	ND(0.2)	2	ND(0.2)
Chromium	ug/L	100 {A}	100 {A}	0.98 J [2.2 J]	ND(0.6) [ND(0.6)]	0.81	ND(0.6)	10	ND(0.6)
Cobalt	ug/L	40	100	1.6 [2.3]	1.1 [1.6]	1.3	0.85	17	3.8
Copper	ug/L	1,000 {E}	1,000 {E}	2.6 [5.9]	3.3 [8]	5.3	2.4	14	2.4
Cyanide (total)	ug/L	200 {A,R}	200 {A,R}	1.4 J [1.8 J]	1.6 J [1.6 J]	ND(5)	ND(5)	ND(5)	ND(5)
Lead	ug/L	4.0 {L}	4.0 {L}	0.32 J [0.49 J]	ND(0.4) [ND(0.4)]	1.4	ND(0.4)	10	ND(0.4)
Manganese	ug/L	860 {B}*	2,500 {B}*	530 [740]	310 [330]	53	38 J	760	38 J
Mercury	ug/L	2.0 {A}	2.0 {A}	ND(0.2) [ND(0.2)]	ND(0.2) [ND(0.2)]	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Nickel	ug/L	100 {A,B}	100 {A,B}	15 [17]	8 [8.4]	11	6.2	26	6.2
Selenium	ug/L	50 {A,B}	50 {A,B}	16 [16]	14 [13]	3.9	3.4 J	2.5 J	3.4 J
Silver	ug/L	34 {B}	98 {B}	ND(0.4) [0.34 J]	ND(0.4) [ND(0.4)]	ND(0.4)	ND(0.4)	ND(0.4)	0.66 J
Thallium	ug/L	2.0 {A,B}	2.0 {A,B}	0.27 [0.45]	ND(0.2) [ND(0.2)]	0.11 J	ND(0.2)	0.35	ND(0.2)
Vanadium	ug/L	4.5	62	ND(0.8) [ND(0.8)]	ND(0.8) [ND(0.8)]	ND(0.80)	ND(0.8)	14	ND(0.8)
Zinc	ug/L	2,400 {B}	5,000 {B,E}	13 [17]	ND(6) [ND(6)]	16	8.3 J	220	12

See Notes on Page 15.

TABLE 1A
GROUNDWATER ANALYTICAL DATA
TOTAL AND DISSOLVED INORGANIC CONSTITUENTS

NAO FLINT
FLINT, MICHIGAN

Sample ID:				RFI-02-08		RFI-02-07		RFI-02-05	
Sample Type:				Well		Well		Well	
Date Collected:				09/19/01		09/18/01		09/18/01	
Sample Turbidity (NTU):				0.5		0.1		0	
pH (SU):				7.77		6.65		6.97	
Temperature (degrees C):				18.3		17.9		21.6	
Conductivity (mS/cm):		Generic MDEQ	Generic MDEQ	2.05		7.49		1.78	
Dissolved Oxygen (mg/L):		Residential	Industrial	7.14		7.99		7.09	
ORP (mV):		Drinking	Drinking	36		12		-150	
Screened Material:		Water (RDW)	Water (IDW)	silt, sand & clay		clay & sand		silt, sand &clay	
	Units	Values	Values	Total	Dissolved	Total	Dissolved	Total	Dissolved
Inorganics									
Antimony	ug/L	6.0 {A}	6.0 {A}	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2) [ND(1.2)]	ND(1.2) [ND(1.2)]
Arsenic	ug/L	50 {A,B}	50 {A,B}	36	ND(1)	2.4 J	ND(1)	1.7 [0.87 J]	ND(1) [ND(1)]
Barium	ug/L	2,000 {A}	2,000 {A}	62	100	180	160	330 [270]	210 [210]
Beryllium	ug/L	4.0 {A}	4.0 {A}	0.24 J	ND(0.4)	2.5	ND(0.4)	0.20 J [3.2]	ND(0.4) [ND(0.4)]
Cadmium	ug/L	5.0 {A,B}	5.0 {A,B}	ND(0.2)	ND(0.2)	0.44 J	ND(0.2)	0.056 J [0.14 J]	ND(0.2) [ND(0.2)]
Chromium	ug/L	100 {A}	100 {A}	2.1	ND(0.6)	1.8	ND(0.6)	0.98 [1.0]	1.2 [0.7]
Cobalt	ug/L	40	100	2	1.1	4	2.7	0.39 [0.45]	0.22 [0.21]
Copper	ug/L	1,000 {E}	1,000 {E}	3.2	2.4	5.5	5	5.0 [4.7]	ND(0.6) [6.8 J]
Cyanide (total)	ug/L	200 {A,R}	200 {A,R}	ND(5)	ND(5)	1.2 J	1.5 J	1.7 J [1.6 J]	0.98 J [1.9 J]
Lead	ug/L	4.0 {L}	4.0 {L}	0.94	ND(0.4)	0.54	ND(0.4)	0.65 [0.34 J]	ND(0.4) [ND(0.4)]
Manganese	ug/L	860 {B}*	2,500 {B}*	260	38 J	3,700	2,200	1,400 [1,500]	880 [880]
Mercury	ug/L	2.0 {A}	2.0 {A}	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2) [ND(0.2)]	ND(0.2) [ND(0.2)]
Nickel	ug/L	100 {A,B}	100 {A,B}	9.0	6.2	27	16	5.7 [5.5]	2.2 [2.3]
Selenium	ug/L	50 {A,B}	50 {A,B}	ND(1.4)	3.4 J	ND(1.4)	2.3 J	ND(1.4) [0.84 J]	ND(1.4) [ND(1.4)]
Silver	ug/L	34 {B}	98 {B}	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4) [ND(0.4)]	ND(0.4) [ND(0.4)]
Thallium	ug/L	2.0 {A,B}	2.0 {A,B}	0.17 J	ND(0.2)	0.17 J	ND(0.2)	0.17 J [0.055 J]	ND(0.2) [ND(0.2)]
Vanadium	ug/L	4.5	62	2.4	ND(0.8)	ND(0.80)	ND(0.8)	ND(0.8) [ND(0.8)]	ND(0.8) [ND(0.8)]
Zinc	ug/L	2,400 {B}	5,000 {B,E}	9.1	ND(6)	13	10	64 [18]	13 [17]

See Notes on Page 15.

TABLE 1A
GROUNDWATER ANALYTICAL DATA
TOTAL AND DISSOLVED INORGANIC CONSTITUENTS

NAO FLINT
FLINT, MICHIGAN

Sample ID:				20-101R		20-105R		RFI-10-07		RFI-36-13	
Sample Type:				Well		Well		Well		Well	
Date Collected:				11/15/01		12/06/01		11/20/01		11/09/01	
Sample Turbidity (NTU):				250		0		0		0	
pH (SU):				7.63		7.29		7.87		7.6	
Temperature (degrees C):				15.9		14.9		15.5		15.7	
Conductivity (mS/cm):		Generic MDEQ	Generic MDEQ	4.38		11.5		0.559		8.5	
Dissolved Oxygen (mg/L):		Residential	Industrial	1.82		2.56		3.56		5.74	
ORP (mV):		Drinking	Drinking	-116		-72		75		59	
Screened Material:		Water (RDW)	Water (IDW)	silt and clay		sand		sand		silt	
	Units	Values	Values	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Inorganics											
Antimony	ug/L	6.0 {A}	6.0 {A}	ND(1.2)	ND(1.2)	0.38 J	ND(1.2)	ND(1.2)	ND(1.2)	0.7 J	ND(1.2)
Arsenic	ug/L	50 {A,B}	50 {A,B}	24	28	8.5	7	0.69 J	ND(1)	1.9	2.2 J
Barium	ug/L	2,000 {A}	2,000 {A}	370	430	340	210	26	28	440	340
Beryllium	ug/L	4.0 {A}	4.0 {A}	ND(0.4)	ND(0.4)	ND(0.4)	4.2	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Cadmium	ug/L	5.0 {A,B}	5.0 {A,B}	ND(0.2)	ND(0.2)	0.15 J	0.65	0.045 J	ND(0.2)	0.54	0.38
Chromium	ug/L	100 {A}	100 {A}	0.95 J	3.4	1.6	2.1	0.65 J	0.74 J	1.1	13
Cobalt	ug/L	40	100	0.91	0.71	5.7	3.9	0.19 J	0.46	4.9	4
Copper	ug/L	1,000 {E}	1,000 {E}	2.2	1.3	2.5	2	1.7	1.2	12	5.1
Cyanide (total)	ug/L	200 {A,R}	200 {A,R}	18	18	1.4 J	1.7 J	ND(5)	4.4 J	ND(5)	1.2 J
Lead	ug/L	4.0 {L}	4.0 {L}	0.62	ND(0.4)	0.38 J	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Manganese	ug/L	860 {B}*	2,500 {B}*	420	410	1900	1200	4.8	6.8	2000	1600
Mercury	ug/L	2.0 {A}	2.0 {A}	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Nickel	ug/L	100 {A,B}	100 {A,B}	3.1	3.2	15	9.4	2.6	2.6	15	13
Selenium	ug/L	50 {A,B}	50 {A,B}	1.4	ND(1.4)	ND(1.4)	5.3	6 J	5.6 J	35	ND(1.4)
Silver	ug/L	34 {B}	98 {B}	0.15 J	0.5	1.5	0.49	ND(0.4)	ND(0.4)	0.61 J	ND(0.4)
Thallium	ug/L	2.0 {A,B}	2.0 {A,B}	ND(0.2)	ND(0.2)	0.081 J	ND(0.2)	ND(0.2)	ND(0.2)	0.067 J	ND(0.2)
Vanadium	ug/L	4.5	62	1.2	1.2 J	ND(0.8)	ND(0.8)	ND(0.8)	ND(0.8)	ND(0.8)	2.9 J
Zinc	ug/L	2,400 {B}	5,000 {B,E}	39	26	10	10	29	ND(6)	17	16

See Notes on Page 15.

TABLE 1A
GROUNDWATER ANALYTICAL DATA
TOTAL AND DISSOLVED INORGANIC CONSTITUENTS

NAO FLINT
FLINT, MICHIGAN

Sample ID:				RFI-21-04		RFI-81-12R		RFI-85-02R	
Sample Type:				Well		Well		Well	
Date Collected:				11/19/01		12/07/01		12/13/01	
Sample Turbidity (NTU):				36		0		0	
pH (SU):				6.97		7.66		7.35	
Temperature (degrees C):				17.1		13		15.6	
Conductivity (mS/cm):		Generic MDEQ	Generic MDEQ	21		0.545		13.4	
Dissolved Oxygen (mg/L):		Residential	Industrial	2.75		7.67		3.86	
ORP (mV):		Drinking	Drinking	85		75		89	
Screened Material:		Water (RDW)	Water (IDW)	silt, sand, & clay		clay and silt		sand and clay	
	Units	Values	Values	Total	Dissolved	Total	Dissolved	Total	Dissolved
Inorganics									
Antimony	ug/L	6.0 {A}	6.0 {A}	ND(1.2)	ND(1.2)	1.3	1.3	0.38 J	1.5
Arsenic	ug/L	50 {A,B}	50 {A,B}	2.3 J	4.3	7.9	3.4	2.1	6
Barium	ug/L	2,000 {A}	2,000 {A}	570	710	130	96	220	220
Beryllium	ug/L	4.0 {A}	4.0 {A}	ND(0.4)	ND(0.4)	0.23 J	0.7	0.2 J	ND(0.4)
Cadmium	ug/L	5.0 {A,B}	5.0 {A,B}	2.3	2.8	0.16 J	0.22	0.24	3.4
Chromium	ug/L	100 {A}	100 {A}	0.61 J	3.7	5.6	3	1.2	4
Cobalt	ug/L	40	100	4.5	5	3.4	1.4	1.1	2.7
Copper	ug/L	1,000 {E}	1,000 {E}	3.5	6.6	8.9	ND(0.6)	2	6
Cyanide (total)	ug/L	200 {A,R}	200 {A,R}	3.5 J	7.5	ND(5)	ND(5)	14	15
Lead	ug/L	4.0 {L}	4.0 {L}	0.2 J	ND(0.4)	2.9	ND(0.4)	0.15 J	ND(0.4)
Manganese	ug/L	860 {B}*	2,500 {B}*	**8200**	**9200**	380	280	100	97
Mercury	ug/L	2.0 {A}	2.0 {A}	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Nickel	ug/L	100 {A,B}	100 {A,B}	18	21	10	3.1	6.2 J	5.4
Selenium	ug/L	50 {A,B}	50 {A,B}	ND(1.4)	ND(1.4)	3.4	2.4	ND(1.4)	2.8 J
Silver	ug/L	34 {B}	98 {B}	0.09 J	ND(0.4)	1.2	1.4	0.67	3.1
Thallium	ug/L	2.0 {A,B}	2.0 {A,B}	0.13 J	ND(0.2)	0.15 J	ND(0.2)	0.093 J	0.43
Vanadium	ug/L	4.5	62	ND(0.8)	ND(0.8)	8.6	1.2	ND(0.8)	**130**
Zinc	ug/L	2,400 {B}	5,000 {B,E}	19	21	28	31	4.4 J	19

See Notes on Page 15.

TABLE 1A
GROUNDWATER ANALYTICAL DATA
TOTAL AND DISSOLVED INORGANIC CONSTITUENTS

NAO FLINT
FLINT, MICHIGAN

Sample ID:				RFI-85-07		RFI-12-21		40-303R		40-4R	
Sample Type:				Well		Well		Well		Well	
Date Collected:				11/19/01		12/06/01		12/07/01		11/21/01	
Sample Turbidity (NTU):				0		0		0		0	
pH (SU):				7.39		7.86		6.19		7.27	
Temperature (degrees C):				17.5		16.6		9.6		14.8	
Conductivity (mS/cm):		Generic MDEQ	Generic MDEQ	11.5		2.83		1.15		1.54	
Dissolved Oxygen (mg/L):		Residential	Industrial	2.17		2.63		9.57		2.26	
ORP (mV):		Drinking	Drinking	-55		-60		177		-132	
Screened Material:		Water (RDW)	Water (IDW)	silt, sand, & clay		NA		silty clay		sand	
	Units	Values	Values	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Inorganics											
Antimony	ug/L	6.0 {A}	6.0 {A}	ND(1.2)	ND(1.2)	0.48 J	ND(1.2)	0.91 J	ND(1.2)	ND(1.2)	ND(6)
Arsenic	ug/L	50 {A,B}	50 {A,B}	2.3 J	2.6	7.2	6.5	18	14	200	170
Barium	ug/L	2,000 {A}	2,000 {A}	210	240	160	120	260	210	210	160
Beryllium	ug/L	4.0 {A}	4.0 {A}	ND(0.4)	ND(0.4)	ND(0.4)	0.94	0.13 J	3	ND(0.4)	ND(2)
Cadmium	ug/L	5.0 {A,B}	5.0 {A,B}	0.065 J	ND(0.2)	0.069 J	0.23	0.16 J	0.71	ND(0.2)	ND(1)
Chromium	ug/L	100 {A}	100 {A}	0.44 J	6.4	1.8	0.83	5	1.4	1.3 J	4.7
Cobalt	ug/L	40	100	1.8	1.9	4.6	3.2	3	0.92	1.5	1.2
Copper	ug/L	1,000 {E}	1,000 {E}	2.8	3	4.4	ND(0.6)	6.3	ND(0.6)	3.8	6.8
Cyanide (total)	ug/L	200 {A,R}	200 {A,R}	2.1 J	ND(5)	ND(5)	ND(5)	5.9	5.5	ND(5)	ND(5)
Lead	ug/L	4.0 {L}	4.0 {L}	0.17 J	ND(0.4)	0.14 J	ND(0.4)	6.6	ND(0.4)	2.9	ND(2)
Manganese	ug/L	860 {B}*	2,500 {B}*	930	940	310	210	130	38	620	460
Mercury	ug/L	2.0 {A}	2.0 {A}	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Nickel	ug/L	100 {A,B}	100 {A,B}	7.9	8.4	12	6.9	7.8	ND(0.4)	5.6	4.2
Selenium	ug/L	50 {A,B}	50 {A,B}	ND(1.4)	2 J	ND(1.4)	ND(1.4)	2.2 J	ND(1.4)	1.8 J	ND(7)
Silver	ug/L	34 {B}	98 {B}	ND(0.4)	ND(0.4)	0.35 J	ND(0.4)	0.68	ND(0.4)	ND(0.4)	ND(2)
Thallium	ug/L	2.0 {A,B}	2.0 {A,B}	0.04 J	ND(0.2)	0.066 J	0.3	0.057 J	0.23	ND(0.2)	ND(1)
Vanadium	ug/L	4.5	62	ND(0.8)	0.82 J	0.44 J	ND(0.8)	7.1	ND(0.8)	2.1	ND(4)
Zinc	ug/L	2,400 {B}	5,000 {B,E}	7.1	11	8	6.8	43	24	26	ND(30)

See Notes on Page 15.

TABLE 1A
GROUNDWATER ANALYTICAL DATA
TOTAL AND DISSOLVED INORGANIC CONSTITUENTS

NAO FLINT
FLINT, MICHIGAN

Sample ID:				RFI-16-20		RFI-09-04R		RFI-09-06	
Sample Type:				Well		Well		Well	
Date Collected:				12/12/01		11/28/2001		09/13/01	
Sample Turbidity (NTU):				0		0		103	
pH (SU):				7.46		7.32		7.25	
Temperature (degrees C):				12.2		14.1		20.2	
Conductivity (mS/cm):		Generic MDEQ	Generic MDEQ	7.2		3.3		4.65	
Dissolved Oxygen (mg/L):		Residential	Industrial	3.28		2.77		8.13	
ORP (mV):		Drinking	Drinking	127		151		-122	
Screened Material:		Water (RDW)	Water (IDW)	silt		sand and silt		silt, sand, & clay	
	Units	Values	Values	Total	Dissolved	Total	Dissolved	Total	Dissolved
Inorganics									
Antimony	ug/L	6.0 {A}	6.0 {A}	1.1 J	ND(1.2)	ND(1.2) [0.36 J]	ND(1.2) [ND(1.2)]	ND(1.2)	ND(1.2)
Arsenic	ug/L	50 {A,B}	50 {A,B}	2 J	2.5	ND(1) [0.5 J]	ND(1) [ND(1)]	16	17
Barium	ug/L	2,000 {A}	2,000 {A}	200	180	77 [84]	81 [84]	250	210
Beryllium	ug/L	4.0 {A}	4.0 {A}	1.8	ND(0.4)	ND(0.4) [ND(0.4)]	ND(0.4) [ND(0.4)]	ND(0.4)	ND(0.4)
Cadmium	ug/L	5.0 {A,B}	5.0 {A,B}	0.58	ND(0.2)	0.28 [0.087 J]	ND(0.2) [ND(0.2)]	0.12 J	ND(0.2)
Chromium	ug/L	100 {A}	100 {A}	1.5	3.3	0.77 [0.57 J]	17 [16]	13	ND(1.8)
Cobalt	ug/L	40	100	1.5	0.98	0.65 [0.72]	0.77 [0.76]	0.66	0.68
Copper	ug/L	1,000 {E}	1,000 {E}	2.7	3.4	2.6 [2.5]	1.9 [5.8]	ND(0.6)	ND(3.3)
Cyanide (total)	ug/L	200 {A,R}	200 {A,R}	33	34	3 J [2.6 J]	2.1 J [2.6 J]	5.6	3.2 J
Lead	ug/L	4.0 {L}	4.0 {L}	0.42	ND(0.4)	ND(0.4) [ND(0.4)]	ND(0.4) [ND(0.4)]	3	ND(0.4)
Manganese	ug/L	860 {B}*	2,500 {B}*	12	12	22 [22]	23 [23]	200	140
Mercury	ug/L	2.0 {A}	2.0 {A}	ND(0.2)	ND(0.2)	ND(0.2) [ND(0.2)]	ND(0.2) [ND(0.2)]	ND(0.2)	ND(0.2)
Nickel	ug/L	100 {A,B}	100 {A,B}	5.7	7.1	4 [4.3]	5.4 [5.4]	ND(6.5)	ND(5.8)
Selenium	ug/L	50 {A,B}	50 {A,B}	ND(1.4)	4.6 J	3 J [2.8 J]	4 J [4.8 J]	1.9	14
Silver	ug/L	34 {B}	98 {B}	0.29 J	0.92	0.22 J [0.22 J]	ND(0.4) [ND(0.4)]	ND(0.4)	0.41 J
Thallium	ug/L	2.0 {A,B}	2.0 {A,B}	0.17 J	ND(0.2)	ND(0.2) [0.26]	ND(0.2) [ND(0.2)]	ND(0.2)	ND(0.2)
Vanadium	ug/L	4.5	62	ND(0.8)	ND(0.8)	ND(0.8) [ND(0.8)]	4.2 [4.3]	1.6	1.4
Zinc	ug/L	2,400 {B}	5,000 {B,E}	9	6.8	22 [9.9]	ND(6) [30]	14 J	31 J

See Notes on Page 15.

TABLE 1A
GROUNDWATER ANALYTICAL DATA
TOTAL AND DISSOLVED INORGANIC CONSTITUENTS

NAO FLINT
FLINT, MICHIGAN

Sample ID:				RFI-09-10		RFI-09-12		43-101R		RFI-05-19DR	
Sample Type:				Well		Well		Well		Well	
Date Collected:				09/13/01		12/13/01		11/15/01		12/11/01	
Sample Turbidity (NTU):				210		0		4		170	
pH (SU):				7.96		7.41		7.4		7.43	
Temperature (degrees C):				19.65		13		17.4		14.8	
Conductivity (mS/cm):		Generic MDEQ	Generic MDEQ	2.72		1.48		2.19		4.43	
Dissolved Oxygen (mg/L):		Residential	Industrial	4.93		1.7		2.07		4.77	
ORP (mV):		Drinking	Drinking	-48		-110		-102		-46	
Screened Material:		Water (RDW)	Water (IDW)	silt, sand, & clay		silt, sand, & clay		sand		silt, sand, & clay	
	Units	Values	Values	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Inorganics											
Antimony	ug/L	6.0 {A}	6.0 {A}	3.1 J	6.8 J	1 J	ND(1.2)	ND(1.2)	ND(1.2)	0.42 J	ND(1.2)
Arsenic	ug/L	50 {A,B}	50 {A,B}	2.8	2.4	61	43	67	84	7.2	5.9
Barium	ug/L	2,000 {A}	2,000 {A}	130	130	140	83	91	120	280	270
Beryllium	ug/L	4.0 {A}	4.0 {A}	ND(0.4)	ND(0.4)	2.7 J	ND(0.4)	ND(0.4)	ND(0.4)	1.2	ND(0.4)
Cadmium	ug/L	5.0 {A,B}	5.0 {A,B}	0.076 J	ND(0.2)	1 J	ND(0.2)	ND(0.2)	0.31	0.28	ND(0.2)
Chromium	ug/L	100 {A}	100 {A}	ND(2.6)	1.5	1.5	ND(0.6)	0.18 J	1.4	1.7	1.9
Cobalt	ug/L	40	100	2.2	1	1.5	0.56	2.8	3.2	6.1	5
Copper	ug/L	1,000 {E}	1,000 {E}	ND(8.7)	ND(11)	5.1	ND(0.6)	0.96	0.88	0.97	2
Cyanide (total)	ug/L	200 {A,R}	200 {A,R}	5.3	2.1 J	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
Lead	ug/L	4.0 {L}	4.0 {L}	1.3	ND(0.66)	1.9	ND(0.4)	0.56	ND(0.4)	0.47	ND(0.4)
Manganese	ug/L	860 {B}*	2,500 {B}*	130	110	110	69	690	760	1100	970
Mercury	ug/L	2.0 {A}	2.0 {A}	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Nickel	ug/L	100 {A,B}	100 {A,B}	8.4	5.6	5.8 J	ND(0.4)	4.6	5.9	21	19
Selenium	ug/L	50 {A,B}	50 {A,B}	1.4	ND(5.6)	4.5 J	ND(1.4)	0.84 J	ND(1.4)	ND(1.4)	1.7
Silver	ug/L	34 {B}	98 {B}	0.13 J	ND(0.4)	0.68	ND(0.4)	ND(0.4)	ND(0.4)	0.17 J	1.4
Thallium	ug/L	2.0 {A,B}	2.0 {A,B}	0.061 J	ND(0.2)	0.17 J	ND(0.2)	0.22	ND(0.2)	1.2	ND(0.2)
Vanadium	ug/L	4.5	62	4.4	ND(0.8)	ND(0.8)	ND(0.8)	ND(0.8)	ND(0.8)	ND(0.8)	ND(0.8)
Zinc	ug/L	2,400 {B}	5,000 {B,E}	16 J	24 J	17 J	6.5	6.5	8.7	14	9.5

See Notes on Page 15.

TABLE 1A
GROUNDWATER ANALYTICAL DATA
TOTAL AND DISSOLVED INORGANIC CONSTITUENTS

NAO FLINT
FLINT, MICHIGAN

Sample ID:				BD01-02		BD01-03	
Sample Type:				Well		Well	
Date Collected:				11/30/01		12/05/01	
Sample Turbidity (NTU):				NA		NA	
pH (SU):				NA		NA	
Temperature (degrees C):				NA		NA	
Conductivity (mS/cm):		Generic MDEQ	Generic MDEQ	NA		NA	
Dissolved Oxygen (mg/L):		Residential	Industrial	NA		NA	
ORP (mV):		Drinking	Drinking	NA		NA	
Screened Material:		Water (RDW)	Water (IDW)	sand		silt and sand	
	Units	Values	Values	Total	Dissolved	Total	Dissolved
Inorganics							
Antimony	ug/L	6.0 {A}	6.0 {A}	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
Arsenic	ug/L	50 {A,B}	50 {A,B}	1.1 J	ND(1)	2.8	ND(1)
Barium	ug/L	2,000 {A}	2,000 {A}	160	120	200	140
Beryllium	ug/L	4.0 {A}	4.0 {A}	ND(0.4)	ND(0.4)	0.79	ND(0.4)
Cadmium	ug/L	5.0 {A,B}	5.0 {A,B}	0.07 J	ND(0.2)	0.71 J	ND(0.2)
Chromium	ug/L	100 {A}	100 {A}	0.86 J	6.1	0.68	6.2
Cobalt	ug/L	40	100	0.97	0.76	0.8	0.8
Copper	ug/L	1,000 {E}	1,000 {E}	2.8	6.5	3.1	0.89
Cyanide (total)	ug/L	200 {A,R}	200 {A,R}	ND(5)	ND(5)	3.0 J	3.2
Lead	ug/L	4.0 {L}	4.0 {L}	0.18 J	ND(0.4)	0.1 J	ND(0.4)
Manganese	ug/L	860 {B}*	2,500 {B}*	180	130	140	94
Mercury	ug/L	2.0 {A}	2.0 {A}	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Nickel	ug/L	100 {A,B}	100 {A,B}	5.3	5.3	5.1	2.1
Selenium	ug/L	50 {A,B}	50 {A,B}	5.1 J	5.4	3.0 J	1.4
Silver	ug/L	34 {B}	98 {B}	ND(0.4)	ND(0.4)	0.64	ND(0.4)
Thallium	ug/L	2.0 {A,B}	2.0 {A,B}	0.047 J	ND(0.2)	0.055 J	ND(0.2)
Vanadium	ug/L	4.5	62	0.26 J	1.6	ND(0.8)	1.2
Zinc	ug/L	2,400 {B}	5,000 {B,E}	16	12	14	10

See Notes on Page 15.

GROUNDWATER ANALYTICAL DATA
TOTAL AND DISSOLVED CYANIDE AND MERCURY

NAO FLINT
FLINT, MICHIGAN

Sample ID:	Date Collected	Turbidity in NTUs	Cyanide in ug/L		Mercury in ug/L	
			Total	Dissolved	Total	Dissolved
03-02	09/20/01	0	ND(5)	ND(5)	ND(0.2)	ND(0.2)
03-101	09/27/01	5.2	ND(5)	3.3 J	ND(0.2)	ND(0.2)
03-109	09/26/01	42.9	ND(5)	ND(5)	ND(0.2)	ND(0.2)
03-111	09/21/01	0	3 J	2.7 J	ND(0.2)	ND(0.2)
03-114	09/21/01	0	ND(5)	ND(5)	ND(0.2)	ND(0.2)
04-121	09/28/01	9.8	1.3 J	0.92 J	ND(0.2)	ND(0.2)
04-140	10/01/01	0	3.5 J	3.5 J	ND(0.2)	ND(0.2)
04-160	09/21/01	25.1	1.3 J	1.2 J	ND(0.2)	ND(0.2)
04-2	09/17/01	NA	ND(5) [ND(5)]	ND(5) [ND(5)]	ND(0.2) [ND(0.2)]	ND(0.2) [ND(0.2)]
04-3	09/17/01	2	ND(5)	ND(5)	ND(0.2)	ND(0.2)
04-4	09/17/01	0.6	ND(5)	ND(5)	ND(0.2)	ND(0.2)
04-5	09/18/01	11	ND(5)	ND(5)	ND(0.2)	ND(0.2)
07-01	09/20/01	19	2 J	2.1 J	ND(0.2)	ND(0.2)
07-02	09/20/01	250	ND(5)	ND(5)	ND(0.2)	ND(0.2)
11-120	09/25/01	0	2.7 J [3.3 J]	3.5 J [3.8 J]	ND(0.2) [ND(0.2)]	ND(0.2) [ND(0.2)]
11-140	09/28/01	120	1.7 J	2.8 J	ND(0.2)	ND(0.2)
20-102	09/25/01	0	5.8	5.2	ND(0.2)	ND(0.2)
20-120	09/21/01	0	76	76	ND(0.2)	ND(0.2)
20-121	09/21/01	0	1.4 J	ND(5)	ND(0.2)	ND(0.2)
20-145	09/25/01	4	1.7 J	1.8 J	ND(0.2)	ND(0.2)
20-500	09/21/01	482	ND(5)	2.2 J	ND(0.2)	ND(0.2)
20-504	09/21/01	0	48	46	ND(0.2)	ND(0.2)
20-FP10	09/25/01	11.3	15	13	ND(0.2)	ND(0.2)
20-FP11	09/25/01	0.4	3.5 J	2.4 J	ND(0.2)	ND(0.2)
20-FP6	09/25/01	0	1.3 J	ND(5)	ND(0.2)	ND(0.2)
30-100	09/21/01	0	7.8	7.7	ND(0.2)	ND(0.2)
30-120	09/25/01	0	0.94 J	ND(5)	ND(0.2)	ND(0.2)
30-140	09/25/01	0	2.4 J	2.2 J	ND(0.2)	ND(0.2)
31-5	09/17/01	0	ND(5)	ND(5)	ND(0.2)	ND(0.2)
31-6	09/17/01	0	77	79	ND(0.2)	ND(0.2)
31-8	09/17/01	33.9	3 J	3.1 J	ND(0.2)	ND(0.2)
36-120	09/27/01	0	4.6 J	2.7 J	ND(0.2)	ND(0.2)
36-121	09/27/01	8.9	ND(5)	ND(5)	ND(0.2)	ND(0.2)
36-FP5	09/28/01	11.3	ND(5)	ND(5)	ND(0.2)	ND(0.2)
37-01	09/26/01	23	ND(5)	ND(5)	ND(0.2)	ND(0.2)
40-2	09/20/01	0	2.3 J	4 J	ND(0.2)	ND(0.2)
40-3	09/18/01	0	9.4	11	ND(0.2)	ND(0.2)
40-301	09/17/01	0	13	14	ND(0.2)	ND(0.2)
40-302	09/17/01	0	1.1 J	1.8 J	ND(0.2)	ND(0.2)
40-305	09/17/01	0	21	24	ND(0.2)	ND(0.2)
40-5	09/18/01	5.5	1 J	1.4 J	ND(0.2)	ND(0.2)
40-6	09/18/01	10.7	430	440 J	ND(0.2)	ND(0.2)
43-100	09/25/01	0	ND(5)	ND(5)	ND(0.2)	ND(0.2)
43-103	09/25/01	0	7.4	6.4	ND(0.2)	ND(0.2)
43-140	09/26/01	28	25	24	ND(0.2)	ND(0.2)
43-141	09/25/01	0	1.7 J	1.8 J	ND(0.2)	ND(0.2)
43-166	09/26/01	0	1.2 J	ND(5)	ND(0.2)	ND(0.2)
43-167	09/26/01	0	2 J	1.1 J	ND(0.2)	ND(0.2)
43-168	09/27/01	18.5	1.6 J	1.6 J	ND(0.2)	ND(0.2)

GROUNDWATER ANALYTICAL DATA
TOTAL AND DISSOLVED CYANIDE AND MERCURY

Preliminary Analytical Data

NAO FLINT
FLINT, MICHIGAN

Sample ID:	Date Collected	Turbidity in NTUs	Cyanide in ug/L		Mercury in ug/L	
			Total	Dissolved	Total	Dissolved
43-220	09/25/01	0	ND(5)	ND(5)	ND(0.2)	ND(0.2)
43-242	09/25/01	0	1.3 J	1 J	ND(0.2)	ND(0.2)
55-1	09/26/01	0	1.9 J	1.4 J	ND(0.2)	ND(0.2)
55-2	09/26/01	0.6	4.6 J	5.1	ND(0.2)	ND(0.2)
55-3	09/26/01	0.3	6.6	6.4	ND(0.2)	ND(0.2)
55-4	09/26/01	0	50	48	ND(0.2)	ND(0.2)
55-5	09/26/01	0	ND(5)	ND(5)	ND(0.2)	ND(0.2)
70-100	09/24/01	31	1.6 J	1.6 J	ND(0.2)	ND(0.2)
70-109	09/24/01	51	100	99	ND(0.2)	ND(0.2)
70-160	09/26/01	29.8	ND(5)	ND(5)	ND(0.2)	ND(0.2)
70-165	09/26/01	15.3	ND(5)	ND(5)	ND(0.2)	ND(0.2)
84-2	10/17/01	135	ND(5) [1.3 J]	1 J [1.3 J]	ND(0.2) [ND(0.2)]	ND(0.2) [ND(0.2)]
84-6	10/17/01	75.3	1.9 J	1.6 J	ND(0.2)	ND(0.2)
86-100	09/24/01	47.2	2.5 J	3.4 J	ND(0.2)	ND(0.2)
86-3	09/26/01	0	ND(5)	ND(5)	ND(0.2)	ND(0.2)
87-FP2	09/24/01	48.2	2.3 J	2.5 J	ND(0.2)	ND(0.2)
87-FP3	09/27/01	0	1.9 J	2.2 J	ND(0.2)	ND(0.2)
87-FP5	09/28/01	114	2.4 J	3.1 J	ND(0.2)	ND(0.2)
88-2	09/20/01	0	ND(5)	ND(5)	ND(0.2)	ND(0.2)
88-7	09/20/01	18.5	5.8	4.2 J	ND(0.2)	ND(0.2)
88-8	09/20/01	0	4 J	4.9 J	ND(0.2)	ND(0.2)
88-9	09/20/01	205	9.9	8.9	ND(0.2)	ND(0.2)
Basement Water	09/18/01	NA	1.8 J [ND(5)]	0.95 J [1.3 J]	ND(0.2) [ND(0.2)]	ND(0.2) [ND(0.2)]
RFI-03-01	09/19/01	20	ND(5)	ND(5)	ND(0.2)	ND(0.2)
RFI-03-03	09/21/01	732	1.8 J	1 J	ND(0.2)	ND(0.2)
RFI-03-04	09/21/01	0	9.8	9.9	ND(0.2)	ND(0.2)
RFI-05-01	09/25/01	93.9	1.4 J	1.7 J	ND(0.2)	ND(0.2)
RFI-05-02	09/20/01	0	2.4 J [1.6 J]	2.2 J [1.6 J]	ND(0.2) [ND(0.2)]	ND(0.2) [ND(0.2)]
RFI-05-03	09/25/01	15.9	7.9	6.5	ND(0.2)	ND(0.2)
RFI-05-04	09/19/01	10.4	2.1 J	2.9 J	ND(0.2)	ND(0.2)
RFI-05-05	09/19/01	0.8	ND(5)	ND(5)	ND(0.2)	ND(0.2)
RFI-05-06	09/25/01	209	2.6 J	2.3 J	ND(0.2)	ND(0.2)
RFI-05-07	09/20/01	0	0.95 J	1.2 J	ND(0.2)	ND(0.2)
RFI-05-10	09/19/01	0	1.6 J	2.1 J	ND(0.2)	ND(0.2)
RFI-05-12	09/20/01	0	1.7 J	1.7 J	ND(0.2)	ND(0.2)
RFI-05-19S	09/25/01	378	1.2 J	1.8 J	ND(0.2)	ND(0.2)
RFI-05-20	09/25/01	0	1.8 J	2.8 J	ND(0.2)	ND(0.2)
RFI-05-21	09/25/01	0	1.6 J [1.4 J]	1.3 J [1.5 J]	ND(0.2) [ND(0.2)]	ND(0.2) [ND(0.2)]
RFI-07-03	09/25/01	67	ND(5)	1.1 J	ND(0.2)	ND(0.2)
RFI-09-09	09/17/01	0	2.3 J	2.2 J	ND(0.2)	ND(0.2)
RFI-09-11	09/17/01	36.4	2.7 J [2.4 J]	3.3 J [2.3 J]	ND(0.2) [ND(0.2)]	ND(0.2) [ND(0.2)]
RFI-10-01	09/24/01	180	9.8	9.5	ND(0.2)	ND(0.2)
RFI-10-02	09/24/01	410	3.7 J	2.2 J	ND(0.2)	ND(0.2)
RFI-10-03	09/26/01	24.8	11	12	ND(0.2)	ND(0.2)
RFI-10-08	09/26/01	6.7	1.5 J	1.9 J	ND(0.2)	ND(0.2)
RFI-10-12	09/26/01	5.9	3.6 J	3.8 J	ND(0.2)	ND(0.2)
RFI-12-11S	09/19/01	0	ND(5)	ND(5)	ND(0.2)	ND(0.2)
RFI-12-15	09/18/01	10.4	ND(5)	ND(5)	ND(0.2)	ND(0.2)
RFI-17-02	10/03/01	41.3	1.1 J	1.6 J	ND(0.2)	ND(0.2)

GROUNDWATER ANALYTICAL DATA
TOTAL AND DISSOLVED CYANIDE AND MERCURY

NAO FLINT
FLINT, MICHIGAN

Sample ID:	Date Collected	Turbidity in NTUs	Cyanide in ug/L		Mercury in ug/L	
			Total	Dissolved	Total	Dissolved
RFI-23-01	09/18/01	17.1	11	10	ND(0.2)	ND(0.2)
RFI-23-02	09/18/01	28	7.7	8.7	ND(0.2)	ND(0.2)
RFI-36-04	09/28/01	24.4	ND(5)	ND(5)	ND(0.2)	ND(0.2)
RFI-36-05	09/21/01	0	2.1 J [ND(5)]	3.7 J [ND(5)]	ND(0.2) [ND(0.2)]	ND(0.2) [ND(0.2)]
RFI-36-08	09/27/01	371	ND(5)	1.6 J	ND(0.2)	ND(0.2)
RFI-36-10	09/28/01	15.1	15	16	ND(0.2)	ND(0.2)
RFI-36-11	09/21/01	0.1	ND(5)	ND(5)	ND(0.2)	ND(0.2)
RFI-36-12	09/28/01	1	ND(5)	1 J	ND(0.2)	ND(0.2)
RFI-36-24	10/05/01	NA	ND(5)	ND(5)	ND(0.2)	ND(0.2)
RFI-36-31	10/05/01	NA	ND(5)	ND(5)	ND(0.2)	ND(0.2)
RFI-36-32	09/28/01	0	0.96 J	1.1 J	ND(0.2)	ND(0.2)
RFI-36-37	09/28/01	0	1.4 J	ND(5)	ND(0.2)	ND(0.2)
RFI-44-04	09/18/01	470	1.1 J	1.4 J	ND(0.2)	ND(0.2)
RFI-55-01	09/26/01	0	13	12	ND(0.2)	ND(0.2)
RFI-55-02	09/27/01	208	83	83	ND(0.2)	ND(0.2)
RFI-55-09	09/27/01	25.3	ND(5)	ND(5)	ND(0.2)	ND(0.2)
RFI-65-01	09/24/01	0	4 J	2.9 J	ND(0.2)	ND(0.2)
RFI-81-02	10/13/01	55.4	2.1 J	1.6 J	ND(0.2)	ND(0.2)
RFI-81-03	09/28/01	13.6	0.97 J	ND(5)	ND(0.2)	ND(0.2)
RFI-81-08	09/24/01	59.9	1.9 J	2.7 J	ND(0.2)	ND(0.2)
RFI-81-09	09/24/01	3.1	3.8 J	3.6 J	ND(0.2)	ND(0.2)
RFI-81-11	09/24/01	7.2	8.1	8.2	ND(0.2)	ND(0.2)
RFI-81-13	09/24/01	0.8	1.5 J	1.6 J	ND(0.2)	ND(0.2)
RFI-83/84-01	09/21/01	0	51	50	ND(0.2)	ND(0.2)
RFI-83/84-02	10/01/01	0	8.3	8.5	ND(0.2)	ND(0.2)
RFI-83/84-11	09/24/01	34.9	7.9	6.4	ND(0.2)	ND(0.2)
RFI-84-05	10/02/01	12.5	1.1 J	0.92 J	ND(0.2)	ND(0.2)
RFI-85-03	09/26/01	30	16	13	ND(0.2)	ND(0.2)
RFI-85-05	10/18/01	54.6	2.2 J	2.2 J	ND(0.2)	ND(0.2)
RFI-85-06	09/24/01	0	1.5 J	ND(5)	ND(0.2)	ND(0.2)
RFI-86-03	09/20/01	41.1	1.2 J	3.2 J	ND(0.2)	ND(0.2)
RFI-86-04	09/27/01	0	1.8 J	1.7 J	ND(0.2)	ND(0.2)
RFI-86-05	09/27/01	30.2	2.8 J	2.6 J	ND(0.2)	ND(0.2)
RFI-86-06S	10/02/01	0	ND(5)	1.2 J	ND(0.2)	ND(0.2)
TW	09/18/01	NA	6.1	4.1 J	ND(0.2)	ND(0.2)

General Notes:

Concentrations above RDW values are outlined in bold and concentrations above IDW values are shaded.

The RDW and IDW value for cyanide is 200 ug/L {A}, and for mercury is 2.0 {A}.

NA = Not Available.

NTU = nephelometric turbidity units.

ug/L = micrograms per liter.

Data Qualifiers:

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

ND = Not detected. The associated value is the quantitation limit.

MDEQ Criteria Qualifiers:

{A}= Criterion is the State of Michigan Drinking Water Standard, established pursuant to Section 5 of the Safe Drinking Water Act, Act No. 399 of the Public Acts of 1976.

Table 3: Relative Percent Differences (RPDs) between Duplicate and Parent samples (Comparison based on Unfiltered analysis only) NAO Flint, Flint, Michigan

			Duplicate		Parent		
AOI	STN ID	Chemical	Conc (mg/L)	Qual	Conc (mg/L)	Qual	RPD
38-1	RFI-38-06	Beryllium	3.40E-02		1.50E-03		183.1%
38-1	RFI-38-06	Manganese	1.00E+00		5.50E-01		58.1%
38-1	RFI-38-06	Vanadium	5.40E-03		8.00E-04	U	148.4%
07-3	RFI-07-08	Beryllium	1.60E-02		1.30E-03		169.9%
36-5	RFI-36-14	Beryllium	6.90E-03		3.40E-04	J	181.2%

Notes:

Positive RPD indicates the Duplicate is greater than the Parent.

RPD calculated using the detected concentration or the QL for non-detects.

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-44-06	RFI-44-07	RFI-44-09	RFI-44-09	RFI-55-01	RFI-55-01	RFI-55-02	RFI-55-02	RFI-55-03	RFI-55-04	RFI-55-04	RFI-55-05
Sample Depth(feet):	7.3-9.3	0.7-2.7	0.9-2.9	2-3.5	1-3	5-7	1-3	8-10	0-2	0-2	6-8	0-2
Date Collected:	09/05/01	09/05/01	11/21/01	09/05/01	08/03/01	08/03/01	07/27/01	07/27/01	07/26/01	07/26/01	07/26/01	07/26/01
Volatiles												
1,1,1-Trichloroethane	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.041)	ND(0.036)
1,1,2,2-Tetrachloroethane	ND(0.077)	NS	NS	NS	ND(0.082)	ND(0.078)	ND(0.078)	ND(0.082)	ND(0.073)	ND(0.073) [ND(0.074)]	ND(0.082)	ND(0.073)
1,1,2-Trichloroethane	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.041)	ND(0.036)
1,1-Dichloroethane	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.041)	ND(0.036)
1,1-Dichloroethene	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.041)	ND(0.036)
1,2,4-Trichlorobenzene	ND(0.17)	NS	NS	NS	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	NS	NS	NS	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16)
1,2-Dibromoethane (EDB)	ND(0.17)	NS	NS	NS	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16)
1,2-Dichlorobenzene	ND(0.077)	NS	NS	NS	ND(0.082)	ND(0.078)	ND(0.078)	ND(0.082)	ND(0.073)	ND(0.073) [ND(0.074)]	ND(0.082)	ND(0.073)
1,2-Dichloroethane	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.041)	ND(0.036)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.041)	ND(0.036)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.077)	NS	NS	NS	ND(0.082)	ND(0.078)	ND(0.078)	ND(0.082)	ND(0.073)	ND(0.073) [ND(0.074)]	ND(0.082)	ND(0.073)
1,4-Dichlorobenzene	ND(0.077)	NS	NS	NS	ND(0.082)	ND(0.078)	ND(0.078)	ND(0.082)	ND(0.073)	ND(0.073) [ND(0.074)]	ND(0.082)	ND(0.073)
2-Butanone	0.039 J	NS	NS	NS	ND(0.29)	ND(0.28)	ND(0.28)	ND(0.29)	ND(0.26)	ND(0.26) [ND(0.26)]	ND(0.29)	ND(0.26)
2-Hexanone	ND(0.28)	NS	NS	NS	ND(0.29)	ND(0.28)	ND(0.28)	ND(0.29)	ND(0.26)	ND(0.26) [ND(0.26)]	ND(0.29)	ND(0.26)
4-Methyl-2-pentanone	ND(0.28)	NS	NS	NS	ND(0.29)	0.049 J	ND(0.28)	ND(0.29)	ND(0.26)	ND(0.26) [ND(0.26)]	ND(0.29)	ND(0.26)
Acetone	ND(0.28)	NS	NS	NS	ND(0.29)	ND(0.28)	ND(0.28)	ND(0.29)	ND(0.26)	ND(0.26) [ND(0.26)]	ND(0.29)	ND(0.26)
Benzene	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.041)	ND(0.036)
Benzene, isopropyl	ND(0.17)	NS	NS	NS	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16)
Bromodichloromethane	ND(0.077)	NS	NS	NS	ND(0.082)	ND(0.078)	ND(0.078)	ND(0.082)	ND(0.073)	ND(0.073) [ND(0.074)]	ND(0.082)	ND(0.073)
Bromoform	ND(0.077)	NS	NS	NS	ND(0.082)	ND(0.078)	ND(0.078)	ND(0.082)	ND(0.073)	ND(0.073) [ND(0.074)]	ND(0.082)	ND(0.073)
Bromomethane	ND(0.17)	NS	NS	NS	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17) J	ND(0.16) J	ND(0.16) J [ND(0.16) J]	ND(0.18) J	ND(0.16) J
Carbon disulfide	ND(0.17)	NS	NS	NS	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16)
Carbon tetrachloride	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.041)	ND(0.036)
Chlorobenzene	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.041)	ND(0.036)
Chloroethane	ND(0.17)	NS	NS	NS	ND(0.17) J	ND(0.17) J	ND(0.17)	ND(0.17) J	ND(0.16) J	ND(0.16) J [ND(0.16) J]	ND(0.18) J	ND(0.16) J
Chloroform	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.041)	ND(0.036)
Chloromethane	ND(0.17)	NS	NS	NS	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16)
cis-1,2-Dichloroethene	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.041)	ND(0.036)
cis-1,3-Dichloropropene	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.041)	ND(0.036)
Cyclohexane	ND(0.17)	NS	NS	NS	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	0.038 J [0.026 J]	ND(0.18)	ND(0.16)
Dibromochloromethane	ND(0.077)	NS	NS	NS	ND(0.082)	ND(0.078)	ND(0.078)	ND(0.082)	ND(0.073)	ND(0.073) [ND(0.074)]	ND(0.082)	ND(0.073)
Dichlorodifluoromethane (CFC-12)	ND(0.077)	NS	NS	NS	ND(0.082)	ND(0.078)	ND(0.078)	ND(0.082)	ND(0.073)	ND(0.073) [ND(0.074)]	ND(0.082)	ND(0.073)
Ethylbenzene	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.041)	ND(0.036)
m&p-Xylene	ND(0.077)	NS	NS	NS	ND(0.082)	ND(0.078)	ND(0.078)	ND(0.082)	0.032 J	0.045 J [0.033 J]	ND(0.082)	ND(0.073)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-44-06	RFI-44-07	RFI-44-09	RFI-44-09	RFI-55-01	RFI-55-01	RFI-55-02	RFI-55-02	RFI-55-03	RFI-55-04	RFI-55-04	RFI-55-05
Sample Depth(feet):	7.3-9.3	0.7-2.7	0.9-2.9	2-3.5	1-3	5-7	1-3	8-10	0-2	0-2	6-8	0-2
Date Collected:	09/05/01	09/05/01	11/21/01	09/05/01	08/03/01	08/03/01	07/27/01	07/27/01	07/26/01	07/26/01	07/26/01	07/26/01
Methyl acetate	ND(0.17)	NS	NS	NS	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16)
Methyl Tert Butyl Ether	ND(0.28)	NS	NS	NS	ND(0.29)	ND(0.28)	ND(0.28)	ND(0.29)	ND(0.26)	ND(0.26) [ND(0.26)]	ND(0.29)	ND(0.26)
Methylcyclohexane	ND(0.17)	NS	NS	NS	ND(0.17)	ND(0.17)	0.029 J	ND(0.17)	0.075 J	0.12 J [0.083 J]	ND(0.18)	ND(0.16)
Methylene chloride	ND(0.17)	NS	NS	NS	ND(0.17)	ND(0.17)	ND(0.17) J	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16)
o-Xylene	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.037)	0.029 J [ND(0.037)]	ND(0.041)	ND(0.036)
Styrene	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.041)	ND(0.036)
Tetrachloroethene	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.041) J	ND(0.037) J	ND(0.037) J [ND(0.037) J]	ND(0.041) J	ND(0.036) J
Toluene	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.041)	0.032 J	0.043 [0.032 J]	ND(0.041)	ND(0.036)
trans-1,2-Dichloroethene	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.041)	ND(0.036)
trans-1,3-Dichloropropene	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.041)	ND(0.036)
Trichloroethene	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.041)	0.24 J	0.22 J [0.17 J]	0.096 J	ND(0.036)
Trichlorofluoromethane (CFC-11)	ND(0.077)	NS	NS	NS	ND(0.082)	ND(0.078)	ND(0.078)	ND(0.082)	ND(0.073)	ND(0.073) [ND(0.074)]	ND(0.082)	ND(0.073)
Trifluorotrichloroethane (Freon 113)	ND(0.17)	NS	NS	NS	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.16)
Vinyl chloride	ND(0.039)	NS	NS	NS	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.041)	ND(0.036)
Xylenes (total)	ND(0.077)	NS	NS	NS	ND(0.082)	ND(0.078)	ND(0.078)	ND(0.082)	0.032	0.074 [0.033]	ND(0.082)	ND(0.073)
Semivolatiles												
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
2,4,6-Trichlorophenol	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
2,4-Dichlorophenol	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
2,4-Dimethylphenol	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
2,4-Dinitrophenol	ND(0.73)	NS	NS	NS	ND(0.77)	ND(0.76)	ND(0.73)	ND(0.77)	ND(0.69)	ND(0.70) [ND(0.70)]	ND(0.79)	ND(0.70)
2,4-Dinitrotoluene	ND(0.73)	NS	NS	NS	ND(0.77)	ND(0.76)	ND(0.73)	ND(0.77)	ND(0.69)	ND(0.70) [ND(0.70)]	ND(0.79)	ND(0.70)
2,6-Dinitrotoluene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
2-Chloronaphthalene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
2-Chlorophenol	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
2-Methyl naphthalene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
2-Methylphenol	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
2-Nitroaniline	ND(0.73)	NS	NS	NS	ND(0.77)	ND(0.76)	ND(0.73)	ND(0.77)	ND(0.69)	ND(0.70) [ND(0.70)]	ND(0.79)	ND(0.70)
2-Nitrophenol	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
3&4-Methylphenol	ND(0.37) J	NS	NS	NS	ND(0.39) J	ND(0.38)	ND(0.37) J	ND(0.39) J	ND(0.35) J	ND(0.35) J [ND(0.36) J]	ND(0.40) J	ND(0.36) J
3,3-Dichlorobenzidine	ND(0.73)	NS	NS	NS	ND(0.77)	ND(0.76)	ND(0.73)	ND(0.77)	ND(0.69)	ND(0.70) [ND(0.70)]	ND(0.79)	ND(0.70)
3-Nitroaniline	ND(0.73)	NS	NS	NS	ND(0.77)	ND(0.76)	ND(0.73) J	ND(0.77)	ND(0.69) J	ND(0.70) J [ND(0.70) J]	ND(0.79) J	ND(0.70)
4,6-Dinitro-2-methylphenol	ND(0.73)	NS	NS	NS	ND(0.77)	ND(0.76)	ND(0.73)	ND(0.77)	ND(0.69)	ND(0.70) [ND(0.70)]	ND(0.79)	ND(0.70)
4-Bromophenyl phenyl ether	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
4-Chloro-3-methylphenol	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-44-06	RFI-44-07	RFI-44-09	RFI-44-09	RFI-55-01	RFI-55-01	RFI-55-02	RFI-55-02	RFI-55-03	RFI-55-04	RFI-55-04	RFI-55-05
Sample Depth(feet):	7.3-9.3	0.7-2.7	0.9-2.9	2-3.5	1-3	5-7	1-3	8-10	0-2	0-2	6-8	0-2
Date Collected:	09/05/01	09/05/01	11/21/01	09/05/01	08/03/01	08/03/01	07/27/01	07/27/01	07/26/01	07/26/01	07/26/01	07/26/01
4-Chloroaniline	ND(0.73)	NS	NS	NS	ND(0.77)	ND(0.76)	ND(0.73)	ND(0.77)	ND(0.69)	ND(0.70) [ND(0.70)]	ND(0.79)	ND(0.70)
4-Chlorophenyl phenyl ether	ND(0.73) J	NS	NS	NS	ND(0.77)	ND(0.76)	ND(0.73) J	ND(0.77) J	ND(0.69) J	ND(0.70) J [ND(0.70) J]	ND(0.79) J	ND(0.70) J
4-Nitroaniline	ND(0.73)	NS	NS	NS	ND(0.77) J	ND(0.76)	ND(0.73) J	ND(0.77)	ND(0.69) J	ND(0.70) J [ND(0.70) J]	ND(0.79) J	ND(0.70)
4-Nitrophenol	ND(0.73)	NS	NS	NS	ND(0.77)	ND(0.76)	ND(0.73)	ND(0.77)	ND(0.69)	ND(0.70) [ND(0.70)]	ND(0.79)	ND(0.70)
Acenaphthene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
Acenaphthylene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
Acetophenone	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
Anthracene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
Atrazine	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
Benzaldehyde	ND(0.19)	NS	NS	NS	ND(0.20) J	ND(0.19)	ND(0.19) J	ND(0.20)	ND(0.18) J	ND(0.18) J [ND(0.18) J]	ND(0.20) J	ND(0.18)
Benzo(a)anthracene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	0.15 J	ND(0.20)	ND(0.18)	ND(0.18) [0.052 J]	ND(0.20)	ND(0.18)
Benzo(a)pyrene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	0.16 J	ND(0.20)	ND(0.18)	ND(0.18) J [0.049 J]	ND(0.20)	ND(0.18) J
Benzo(b)fluoranthene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	0.35 J	ND(0.20)	0.18 J	0.18 J [0.21 J]	0.20 J	0.047 J
Benzo(g,h,i)perylene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	0.10 J	ND(0.20)	ND(0.18)	ND(0.18) J [ND(0.18) J]	ND(0.20)	ND(0.18) J
Benzo(k)fluoranthene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	0.30 J	ND(0.20)	0.16 J	0.15 J [0.18 J]	0.16 J	0.041 J
Biphenyl	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	0.31 J	ND(0.20)	ND(0.18) J	ND(0.18) J [ND(0.18) J]	ND(0.20) J	ND(0.18)
bis(2-Chloroethoxy)methane	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
bis(2-Chloroethyl)ether	ND(0.036)	NS	NS	NS	ND(0.038)	ND(0.037)	ND(0.036)	ND(0.038)	ND(0.034)	ND(0.034) [ND(0.035)]	ND(0.039)	ND(0.035)
bis(2-Chloroisopropyl)ether	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
bis(2-Ethylhexyl)phthalate	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
Butyl benzylphthalate	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	0.070 J [0.058 J]	ND(0.20)	0.23
Caprolactam	ND(0.19)	NS	NS	NS	ND(0.20) J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
Carbazole	ND(0.19)	NS	NS	NS	ND(0.20) J	ND(0.19)	0.26 J	ND(0.20)	ND(0.18) J	ND(0.18) J [ND(0.18) J]	ND(0.20) J	ND(0.18)
Chrysene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	0.29	ND(0.20)	ND(0.18)	ND(0.18) [0.067 J]	ND(0.20)	0.064 J
Di-n-butylphthalate	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
Di-n-octyl phthalate	0.13 J	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) J	ND(0.20)	ND(0.18)	ND(0.18) J [ND(0.18) J]	ND(0.20)	ND(0.18) J
Dibenzo(a,h)anthracene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19) J	ND(0.20)	ND(0.18)	ND(0.18) J [ND(0.18) J]	ND(0.20)	ND(0.18) J
Dibenzofuran	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	0.16 J	ND(0.20)	ND(0.18)	0.14 J [ND(0.18)]	ND(0.20)	ND(0.18)
Diethyl phthalate	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
Dimethyl phthalate	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
Fluoranthene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	0.47 J	ND(0.20)	ND(0.18)	ND(0.18) [0.089 J]	ND(0.20)	0.078 J
Fluorene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	0.17 J	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
Hexachlorobenzene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
Hexachlorobutadiene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
Hexachlorocyclopentadiene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
Hexachloroethane	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
Indeno(1,2,3-cd)pyrene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	0.093 J	ND(0.20)	ND(0.18)	ND(0.18) J [ND(0.18) J]	ND(0.20)	ND(0.18) J
Isophorone	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
Methylphenols, Total	ND(0.37)	NS	NS	NS	ND(0.39)	ND(0.38)	ND(0.37)	ND(0.39)	ND(0.35)	ND(0.35) [ND(0.36)]	ND(0.40)	ND(0.36)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-44-06	RFI-44-07	RFI-44-09	RFI-44-09	RFI-55-01	RFI-55-01	RFI-55-02	RFI-55-02	RFI-55-03	RFI-55-04	RFI-55-04	RFI-55-05
Sample Depth(feet):	7.3-9.3	0.7-2.7	0.9-2.9	2-3.5	1-3	5-7	1-3	8-10	0-2	0-2	6-8	0-2
Date Collected:	09/05/01	09/05/01	11/21/01	09/05/01	08/03/01	08/03/01	07/27/01	07/27/01	07/26/01	07/26/01	07/26/01	07/26/01
N-Nitrosodi-n-propylamine	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
N-Nitrosodiphenylamine	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
Naphthalene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
Nitrobenzene	ND(0.073)	NS	NS	NS	ND(0.077)	ND(0.076)	ND(0.073)	ND(0.077)	ND(0.069)	ND(0.070) [ND(0.070)]	ND(0.079)	ND(0.070)
Pentachlorophenol	ND(0.73)	NS	NS	NS	ND(0.77)	ND(0.76)	ND(0.73)	ND(0.77)	ND(0.69)	ND(0.70) [ND(0.70)]	ND(0.79)	ND(0.70)
Phenanthrene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	0.50 J	ND(0.20)	0.17 J	0.17 J [0.19 J]	0.17 J	0.061 J
Phenol	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.18)
Pyrene	ND(0.19)	NS	NS	NS	ND(0.20)	ND(0.19)	0.49	ND(0.20)	ND(0.18)	ND(0.18) [0.11 J]	ND(0.20)	0.16 J
Inorganics												
Antimony	0.20 J	NS	NS	NS	ND(0.23) J	0.52 J	1.1 J	ND(0.23) J	0.17 J	0.17 J [0.18 J]	0.23 J	0.14 J
Arsenic	4.8	NS	NS	NS	8.3(RDC)	6.5	4.4	3	4.7	2.4 [2.4]	6.6	5.1
Barium	24	NS	NS	NS	53 J	54 J	44 J	13 J	18 J	13 J [13 J]	45 J	17 J
Beryllium	0.21 J	NS	NS	NS	0.65	0.32	0.29	0.12	0.15	0.12 [0.14]	0.45	0.14
Cadmium	0.13	NS	NS	NS	0.14	0.12	0.31	0.067	0.079	0.096 [0.12]	0.11	0.23
Chromium	7.5	NS	NS	NS	16	13	63 J	6.3 J	16 J	21 J [21 J]	13 J	12 J
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	4	NS	NS	NS	7.5	6.1	5.6	2.9	2.7	1.5 [1.7]	5.6	3
Copper	9.3	NS	NS	NS	13	11	81 J	5.0 J	13 J	15 J [17 J]	15 J	50 J
Cyanide (total)	29 D(RDC)	NS	NS	NS	ND(0.20)	ND(0.20)	0.065 J	ND(0.20)	ND(0.20)	0.051 J [0.039 J]	0.035 J	ND(0.20)
Lead	6.6	NS	NS	NS	9.4	9.1	180	3.7	10	14 [15]	30	9.7
Manganese	380	1500	150	260	310 J	240 J	670	120	190	170 [200]	150	200
Mercury	0.072 J	NS	NS	NS	0.040 J	0.019 J	0.036 J	ND(0.077)	ND(0.072)	0.017 J [0.018 J]	0.036 J	0.018 J
Nickel	11	NS	NS	NS	18	15	33 J	7.1 J	9.3 J	9.0 J [8.7 J]	14 J	12 J
Selenium	ND(0.076)	NS	NS	NS	1.3 J	0.85	0.34 J	0.31 J	0.13	0.57 J [ND(0.089)]	0.26	0.30 J
Silver	0.045 J	NS	NS	NS	0.062 J	0.070 J	0.089 J	ND(0.22)	0.020 J	0.040 J [0.021 J]	0.026 J	0.019 J
Thallium	0.078 J	NS	NS	NS	0.17 J	0.17 J	0.11 J	0.061 J	0.076 J	0.42 J [0.11 J]	0.27	0.12 J
Vanadium	10	NS	NS	NS	27	21	15	13	11	9.2 [9.2]	22	12
Zinc	1,500 J	NS	NS	NS	45	34	38	18	20	21 [25]	43	40
PCBs												
Aroclor-1016	ND(0.038)	NS	NS	NS	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.041)	ND(0.037)
Aroclor-1221	ND(0.038)	NS	NS	NS	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.041)	ND(0.037)
Aroclor-1232	ND(0.038)	NS	NS	NS	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.041)	ND(0.037)
Aroclor-1242	ND(0.038)	NS	NS	NS	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.041)	ND(0.037)
Aroclor-1248	ND(0.038)	NS	NS	NS	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.036) [ND(0.037)]	ND(0.041)	ND(0.037)
Aroclor-1254	ND(0.038)	NS	NS	NS	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.040)	0.030 J	0.038 [0.026 J]	ND(0.041)	0.066
Aroclor-1260	ND(0.038)	NS	NS	NS	ND(0.040)	ND(0.040)	0.045 J	ND(0.040)	0.020 J	0.016 J [0.012 J]	ND(0.041)	0.041
Total PCBs	ND(0.038)	NS	NS	NS	ND(0.040)	ND(0.040)	0.045	ND(0.040)	0.05	0.054 [0.038]	ND(0.041)	0.11

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-55-05	RFI-55-06	RFI-55-09	RFI-55-09	RFI-55-10	RFI-55-10	RFI-65-01	RFI-65-01	RFI-81-01	RFI-81-02	RFI-81-02
Sample Depth(feet):	8-10	0-2	1-3	9-11	1-3	7-9	0.7-2.7	4.7-6.7	2.5-4.5	12-14	4-6
Date Collected:	07/26/01	07/26/01	06/27/01	06/27/01	01/23/02	01/23/02	07/27/01	07/27/01	09/09/01	09/09/01	09/09/01
Volatiles											
1,1,1-Trichloroethane	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.040)
1,1,2,2-Tetrachloroethane	ND(0.077)	ND(0.074)	ND(0.075)	ND(0.076) [ND(0.077)]	ND(0.078)	ND(0.075)	ND(0.078)	ND(0.080)	ND(0.077)	ND(0.081)	ND(0.080)
1,1,2-Trichloroethane	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.040)
1,1-Dichloroethane	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.040)
1,1-Dichloroethene	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.040)
1,2,4-Trichlorobenzene	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)
1,2-Dibromoethane (EDB)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)
1,2-Dichlorobenzene	ND(0.077)	ND(0.074)	ND(0.075)	ND(0.076) [ND(0.077)]	ND(0.078)	ND(0.075)	ND(0.078)	ND(0.080)	ND(0.077)	ND(0.081)	ND(0.080)
1,2-Dichloroethane	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.040)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.040)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.077)	ND(0.074)	ND(0.075)	ND(0.076) [ND(0.077)]	ND(0.078)	ND(0.075)	ND(0.078)	ND(0.080)	ND(0.077)	ND(0.081)	ND(0.080)
1,4-Dichlorobenzene	ND(0.077)	ND(0.074)	ND(0.075)	ND(0.076) [ND(0.077)]	ND(0.078)	ND(0.075)	ND(0.078)	ND(0.080)	ND(0.077)	ND(0.081)	ND(0.080)
2-Butanone	ND(0.27)	ND(0.26)	ND(0.27)	ND(0.27) [ND(0.28)]	0.057 J	0.047 J	ND(0.28)	ND(0.29)	ND(0.28)	0.032 J	0.031 J
2-Hexanone	ND(0.27)	ND(0.26)	ND(0.27)	ND(0.27) [ND(0.28)]	ND(0.28)	ND(0.27)	ND(0.28)	ND(0.29)	ND(0.28)	ND(0.29)	ND(0.29)
4-Methyl-2-pentanone	ND(0.27)	ND(0.26)	ND(0.27)	ND(0.27) [ND(0.28)]	ND(0.28)	ND(0.27)	ND(0.28)	ND(0.29)	ND(0.28)	ND(0.29)	ND(0.29)
Acetone	ND(0.27)	ND(0.26)	ND(0.27)	0.085 J [0.081 J]	ND(0.28)	ND(0.27)	ND(0.28)	ND(0.29)	ND(0.28)	ND(0.29)	ND(0.29)
Benzene	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.040)
Benzene, isopropyl	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)
Bromodichloromethane	ND(0.077)	ND(0.074)	ND(0.075)	ND(0.076) [ND(0.077)]	ND(0.078)	ND(0.075)	ND(0.078)	ND(0.080)	ND(0.077)	ND(0.081)	ND(0.080)
Bromoform	ND(0.077)	ND(0.074)	ND(0.075)	ND(0.076) [ND(0.077)]	ND(0.078)	ND(0.075)	ND(0.078)	ND(0.080)	ND(0.077)	ND(0.081)	ND(0.080)
Bromomethane	ND(0.16) J	ND(0.16) J	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.17)	ND(0.16)	ND(0.17) J	ND(0.17) J	ND(0.17)	ND(0.17)	ND(0.17)
Carbon disulfide	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)
Carbon tetrachloride	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.040)
Chlorobenzene	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.040)
Chloroethane	ND(0.16) J	ND(0.16) J	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.17)	ND(0.16)	ND(0.17) J	ND(0.17) J	ND(0.17)	ND(0.17)	ND(0.17)
Chloroform	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.040)
Chloromethane	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)
cis-1,2-Dichloroethene	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.040)
cis-1,3-Dichloropropene	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.040)
Cyclohexane	0.030 J	ND(0.16)	0.035 J	ND(0.16) [ND(0.17)]	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)
Dibromochloromethane	ND(0.077)	ND(0.074)	ND(0.075)	ND(0.076) [ND(0.077)]	ND(0.078)	ND(0.075)	ND(0.078)	ND(0.080)	ND(0.077)	ND(0.081)	ND(0.080)
Dichlorodifluoromethane (CFC-12)	ND(0.077)	ND(0.074)	ND(0.075)	ND(0.076) [ND(0.077)]	ND(0.078)	ND(0.075)	ND(0.078)	ND(0.080)	ND(0.077)	ND(0.081)	ND(0.080)
Ethylbenzene	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.040)
m&p-Xylene	0.041 J	ND(0.074)	0.047 J	ND(0.076) [ND(0.077)]	ND(0.078)	ND(0.075)	ND(0.078)	ND(0.080)	0.037 J	ND(0.081)	0.046 J

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-55-05	RFI-55-06	RFI-55-09	RFI-55-09	RFI-55-10	RFI-55-10	RFI-65-01	RFI-65-01	RFI-81-01	RFI-81-02	RFI-81-02
Sample Depth(feet):	8-10	0-2	1-3	9-11	1-3	7-9	0.7-2.7	4.7-6.7	2.5-4.5	12-14	4-6
Date Collected:	07/26/01	07/26/01	06/27/01	06/27/01	01/23/02	01/23/02	07/27/01	07/27/01	09/09/01	09/09/01	09/09/01
Methyl acetate	ND(0.16)	0.11 J	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.17)	ND(0.16)	0.4	ND(0.17)	0.048 J	ND(0.17)	0.11 J
Methyl Tert Butyl Ether	ND(0.27)	ND(0.26)	ND(0.27)	ND(0.27) [ND(0.28)]	ND(0.28)	ND(0.27)	ND(0.28)	ND(0.29)	ND(0.28)	ND(0.29)	ND(0.29)
Methylcyclohexane	0.091 J	0.079 J	0.080 J	ND(0.16) [ND(0.17)]	0.043 J	ND(0.16)	0.078 J	ND(0.17)	0.060 J	ND(0.17)	0.11 J
Methylene chloride	ND(0.16)	ND(0.16)	0.029 J	0.051 J [0.050 J]	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)
o-Xylene	ND(0.038)	ND(0.037)	0.028 J	ND(0.038) [ND(0.039)]	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.040)
Styrene	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.040)
Tetrachloroethene	ND(0.038) J	ND(0.037) J	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.039)	ND(0.038)	ND(0.039) J	ND(0.040) J	ND(0.039)	ND(0.040)	ND(0.040)
Toluene	0.04	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.040)	0.035 J	ND(0.040)	ND(0.040)
trans-1,2-Dichloroethene	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.040)
trans-1,3-Dichloropropene	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.040)
Trichloroethene	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.039)]	0.36	ND(0.038)	0.044 J	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.040)
Trichlorofluoromethane (CFC-11)	ND(0.077)	ND(0.074)	ND(0.075)	ND(0.076) [ND(0.077)]	ND(0.078)	ND(0.075)	ND(0.078)	ND(0.080)	ND(0.077)	ND(0.081)	ND(0.080)
Trifluorotrichloroethane (Freon 113)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.17)]	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)
Vinyl chloride	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.038) [ND(0.039)]	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.040)	ND(0.040)
Xylenes (total)	0.041	ND(0.074)	0.075	ND(0.076) [ND(0.077)]	ND(0.078)	ND(0.075)	ND(0.078)	ND(0.080)	0.037	ND(0.081)	0.046
Semivolatiles											
1,2,4-Trichlorobenzene	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.19)	ND(0.18)	0.022 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
2,4,6-Trichlorophenol	ND(0.19)	ND(0.18)	0.026 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
2,4-Dichlorophenol	ND(0.19)	ND(0.18)	0.044 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
2,4-Dimethylphenol	ND(0.19)	ND(0.18)	0.039 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
2,4-Dinitrophenol	ND(0.74)	ND(0.72)	ND(0.70)	ND(0.72) [ND(0.73)]	ND(0.74)	ND(0.72)	ND(0.73)	ND(0.77)	ND(0.74)	ND(0.76)	ND(0.78)
2,4-Dinitrotoluene	ND(0.74)	ND(0.72)	ND(0.70)	ND(0.72) [ND(0.73)]	ND(0.74)	ND(0.72)	ND(0.73)	ND(0.77)	ND(0.74)	ND(0.76)	ND(0.78)
2,6-Dinitrotoluene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
2-Chloronaphthalene	ND(0.19)	ND(0.18)	0.022 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
2-Chlorophenol	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
2-Methyl naphthalene	ND(0.19)	ND(0.18)	0.13 J	ND(0.18) [ND(0.19)]	0.15 J	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	0.12 J
2-Methylphenol	ND(0.19)	ND(0.18)	0.055 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
2-Nitroaniline	ND(0.74)	ND(0.72)	ND(0.70)	ND(0.72) [ND(0.73)]	ND(0.74)	ND(0.72)	ND(0.73)	ND(0.77)	ND(0.74)	ND(0.76)	ND(0.78)
2-Nitrophenol	ND(0.19)	ND(0.18)	0.048 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
3&4-Methylphenol	ND(0.37) J	ND(0.37) J	0.076 J	ND(0.37) J [ND(0.37)]	ND(0.38)	ND(0.37)	ND(0.37) J	ND(0.39) J	ND(0.37) J	ND(0.39) J	ND(0.40)
3,3-Dichlorobenzidine	ND(0.74)	ND(0.72) J	ND(0.70)	ND(0.72) [ND(0.73)]	ND(0.74)	ND(0.72)	ND(0.73)	ND(0.77)	ND(0.74) J	ND(0.76)	ND(0.78) J
3-Nitroaniline	ND(0.74)	ND(0.72) J	ND(0.70)	ND(0.72) [ND(0.73)]	ND(0.74)	ND(0.72)	ND(0.73)	ND(0.77) J	ND(0.74)	ND(0.76)	ND(0.78)
4,6-Dinitro-2-methylphenol	ND(0.74)	ND(0.72)	ND(0.70)	ND(0.72) [ND(0.73)]	ND(0.74)	ND(0.72)	ND(0.73)	ND(0.77)	ND(0.74)	ND(0.76)	ND(0.78) J
4-Bromophenyl phenyl ether	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
4-Chloro-3-methylphenol	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-55-05	RFI-55-06	RFI-55-09	RFI-55-09	RFI-55-10	RFI-55-10	RFI-65-01	RFI-65-01	RFI-81-01	RFI-81-02	RFI-81-02
Sample Depth(feet):	8-10	0-2	1-3	9-11	1-3	7-9	0.7-2.7	4.7-6.7	2.5-4.5	12-14	4-6
Date Collected:	07/26/01	07/26/01	06/27/01	06/27/01	01/23/02	01/23/02	07/27/01	07/27/01	09/09/01	09/09/01	09/09/01
4-Chloroaniline	ND(0.74)	ND(0.72)	ND(0.70)	ND(0.72) [ND(0.73)]	ND(0.74)	ND(0.72)	ND(0.73)	ND(0.77)	ND(0.74)	ND(0.76)	ND(0.78)
4-Chlorophenyl phenyl ether	ND(0.74) J	ND(0.72) J	ND(0.70)	ND(0.72) [ND(0.73)]	ND(0.74)	ND(0.72)	ND(0.73) J	ND(0.77) J	ND(0.74)	ND(0.76)	ND(0.78)
4-Nitroaniline	ND(0.74)	ND(0.72) J	ND(0.70)	ND(0.72) [ND(0.73)]	ND(0.74)	ND(0.72)	ND(0.73)	ND(0.77) J	ND(0.74)	ND(0.76)	ND(0.78)
4-Nitrophenol	ND(0.74)	ND(0.72)	ND(0.70)	ND(0.72) [ND(0.73)]	ND(0.74)	ND(0.72)	ND(0.73)	ND(0.77)	ND(0.74)	ND(0.76)	ND(0.78)
Acenaphthene	ND(0.19)	ND(0.18)	0.036 J	ND(0.18) [ND(0.19)]	0.17 J	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
Acenaphthylene	ND(0.19)	0.19 J	0.087 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
Acetophenone	ND(0.19)	ND(0.18)	0.042 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
Anthracene	ND(0.19)	0.076 J	0.11 J	ND(0.18) [ND(0.19)]	0.34	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	0.054 J
Atrazine	ND(0.19) J	ND(0.18)	0.082 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20) J
Benzaldehyde	ND(0.19) J	ND(0.18) J	0.072 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.19)	ND(0.20)
Benzo(a)anthracene	0.23	0.45 J	1.2 J	ND(0.18) [ND(0.19)]	1.1	ND(0.18)	0.040 J	ND(0.20)	0.13 J	ND(0.19)	0.26 J
Benzo(a)pyrene	0.25	0.46 J	1.4 J	ND(0.18) [ND(0.19)]	0.99	ND(0.18)	0.055 J	ND(0.20)	0.12 J	ND(0.19) J	0.24 J
Benzo(b)fluoranthene	0.22	0.53 J	1.5 J	ND(0.18) [ND(0.19)]	1.6	ND(0.18)	0.067 J	ND(0.20)	0.23 J	ND(0.19) J	0.30 J
Benzo(g,h,i)perylene	0.18 J	0.21 J	0.74 J	ND(0.18) [ND(0.19)]	0.67	ND(0.18)	ND(0.18) J	ND(0.20)	0.099 J	ND(0.19) J	0.29 J
Benzo(k)fluoranthene	0.23	0.53 J	1.3 J	ND(0.18) [ND(0.19)]	0.7	ND(0.18)	0.076 J	ND(0.20)	0.16 J	ND(0.19) J	0.24 J
Biphenyl	ND(0.19)	ND(0.18) J	0.029 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.19)	ND(0.20)
bis(2-Chloroethoxy)methane	ND(0.19)	ND(0.18)	0.022 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
bis(2-Chloroethyl)ether	ND(0.036)	ND(0.035)	ND(0.035)	0.025 J [ND(0.036)]	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.038)	ND(0.036)	ND(0.038)	ND(0.038)
bis(2-Chloroisopropyl)ether	ND(0.19)	ND(0.18)	0.029 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
bis(2-Ethylhexyl)phthalate	ND(0.19)	ND(0.18) J	0.095 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	0.052 J	0.059 J	ND(0.19) J	ND(0.19)	ND(0.20) J
Butyl benzylphthalate	ND(0.19)	0.12 J	0.73 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19) J	ND(0.19)	ND(0.20) J
Caprolactam	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
Carbazole	ND(0.19)	0.28 J	0.030 J	ND(0.18) [ND(0.19)]	0.17 J	ND(0.18)	ND(0.18)	ND(0.20) J	ND(0.19) J	ND(0.19) J	ND(0.20) J
Chrysene	0.26	0.61 J	1.3 J	ND(0.18) [ND(0.19)]	1.2	ND(0.18)	0.055 J	ND(0.20)	0.23 J	ND(0.19)	0.42 J
Di-n-butylphthalate	ND(0.19)	ND(0.18)	0.036 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19) J	ND(0.19) J	ND(0.20) J
Di-n-octyl phthalate	ND(0.19)	ND(0.18) J	ND(0.18) J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18) J	ND(0.20)	ND(0.19) J	ND(0.19) J	ND(0.20) J
Dibenzo(a,h)anthracene	0.077 J	ND(0.18) J	0.35 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18) J	ND(0.20)	ND(0.19) J	ND(0.19) J	ND(0.20) J
Dibenzofuran	ND(0.19)	0.15 J	0.044 J	ND(0.18) [ND(0.19)]	0.11 J	ND(0.18)	ND(0.18)	ND(0.20)	0.042 J	ND(0.19)	0.068 J
Diethyl phthalate	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	0.060 J	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
Dimethyl phthalate	ND(0.19)	ND(0.18)	0.059 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
Fluoranthene	0.4	0.75 J	1.6 J	ND(0.18) [ND(0.19)]	2.1	ND(0.18)	0.062 J	ND(0.20)	0.2	ND(0.19)	0.25 J
Fluorene	ND(0.19)	0.17 J	0.030 J	ND(0.18) [ND(0.19)]	0.18 J	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
Hexachlorobenzene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20) J
Hexachlorobutadiene	ND(0.19)	ND(0.18)	0.026 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
Hexachlorocyclopentadiene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
Hexachloroethane	ND(0.19)	ND(0.18)	0.021 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
Indeno(1,2,3-cd)pyrene	0.14 J	0.21 J	0.72 J	ND(0.18) [ND(0.19)]	0.63	ND(0.18)	ND(0.18) J	ND(0.20)	0.088 J	ND(0.19) J	0.21 J
Isophorone	ND(0.19)	ND(0.18)	0.022 J	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
Methylphenols, Total	ND(0.37)	ND(0.37)	0.13	ND(0.37) [ND(0.37)]	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.39)	ND(0.37)	ND(0.39)	ND(0.40)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-55-05	RFI-55-06	RFI-55-09	RFI-55-09	RFI-55-10	RFI-55-10	RFI-65-01	RFI-65-01	RFI-81-01	RFI-81-02	RFI-81-02
Sample Depth(feet):	8-10	0-2	1-3	9-11	1-3	7-9	0.7-2.7	4.7-6.7	2.5-4.5	12-14	4-6
Date Collected:	07/26/01	07/26/01	06/27/01	06/27/01	01/23/02	01/23/02	07/27/01	07/27/01	09/09/01	09/09/01	09/09/01
N-Nitrosodi-n-propylamine	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
N-Nitrosodiphenylamine	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20) J
Naphthalene	ND(0.19)	ND(0.18)	0.12 J	ND(0.18) [ND(0.19)]	0.10 J	ND(0.18)	ND(0.18)	ND(0.20)	0.070 J	ND(0.19)	0.11 J
Nitrobenzene	ND(0.074)	ND(0.072)	0.032 J	ND(0.072) [ND(0.073)]	ND(0.074)	ND(0.072)	ND(0.073)	ND(0.077)	ND(0.074)	ND(0.076)	ND(0.078)
Pentachlorophenol	ND(0.74)	ND(0.72)	ND(0.70)	ND(0.72) [ND(0.73)]	ND(0.74)	ND(0.72)	ND(0.73)	ND(0.77)	ND(0.74)	ND(0.76)	ND(0.78) J
Phenanthrene	0.15 J	0.42 J	0.40 J	ND(0.18) [ND(0.19)]	1.9	ND(0.18)	ND(0.18)	ND(0.20)	0.23	0.049 J	0.38
Phenol	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.19)]	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.20)
Pyrene	0.42	1.0 J	2.7 J	ND(0.18) [ND(0.19)]	2.9	ND(0.18)	0.071 J	ND(0.20)	0.34 J	0.048 J	0.98 J
Inorganics											
Antimony	0.035 J	0.20 J	ND(0.24) J	ND(0.23) J [ND(0.27) J]	0.26	0.11 J	0.070 J	0.035 J	0.20 R	0.21 R	0.22 R
Arsenic	4.4	7.5	5.4 J	3.9 [4.1]	5.2	4.8	3.7	1.8	14(RDC)	5.8	10(RDC)
Barium	26 J	56 J	92 J	11 J [14 J]	66	17	32 J	12 J	1000	38	310
Beryllium	0.28	0.3	1.0 J	0.15 J [0.19 J]	2.8	2.4	0.2	0.15	0.20 J	0.18	0.28
Cadmium	0.12	0.36	0.60 J	0.11 J [0.12 J]	0.41	0.29	0.12	0.047	3.4	0.14	5.2
Chromium	15 J	15 J	66 J	5.2 J [6.0 J]	43	7.2	10 J	6.8 J	230	8.9	42
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	3.5	4.9	5.1 J	2.7 J [2.8 J]	3.1	2.7	3.8	2.7	38	4.1	11
Copper	14 J	22 J	49 J	6.3 J [7.6 J]	35	6.4	9.0 J	5.1 J	7.6	29	500
Cyanide (total)	ND(0.20)	ND(0.20)	0.078 J	ND(0.20) [0.0061 J]	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.23	ND(0.20)	0.69
Lead	9.6	57	65 J	4.3 J [4.3 J]	100	3.5	12	6	5,500(RDC,IDC)	140	1,600(RDC,IDC)
Manganese	270	440	1,500 J	110 J [120 J]	1200	390	230	71	1300	140	570
Mercury	0.022 J	0.11	0.041 J	ND(0.076) [ND(0.076)]	0.068 J	0.037 J	0.033 J	0.024 J	0.59	0.023 J	0.39
Nickel	11 J	14 J	23 J	6.4 J [7.7 J]	18	8.4	8.1 J	6.2 J	170	10	120
Selenium	0.25	0.50 J	0.078 J	ND(0.092) [ND(0.11)]	0.46 J	0.1	0.19	0.15	ND(0.080)	ND(0.084)	ND(0.088)
Silver	0.037 J	0.050 J	0.19 J	ND(0.23) [0.011 J]	0.28	0.14 J	0.020 J	ND(0.23)	0.93	0.031 J	0.25
Thallium	0.11 J	0.18 J	0.11 J	0.080 J [0.10 J]	0.13 J	0.11 J	0.10 J	0.068 J	0.12 J	0.066 J	0.079 J
Vanadium	14	18	16 J	9.9 J [11 J]	15	13	13	14	38	13	18
Zinc	28	150	110 J	23 J [24 J]	33	18	32	28	18 J	66 J	1,100 J
PCBs											
Aroclor-1016	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041)
Aroclor-1221	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041)
Aroclor-1232	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041)
Aroclor-1242	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041)
Aroclor-1248	ND(0.038)	ND(0.038)	0.91	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041)
Aroclor-1254	ND(0.038)	0.05	0.35	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041)
Aroclor-1260	ND(0.038)	0.041	0.15	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041)
Total PCBs	ND(0.038)	0.091	1.4	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.038)	ND(0.040)	ND(0.041)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-81-02	RFI-81-03	RFI-81-03	RFI-81-03	RFI-81-04	RFI-81-05	RFI-81-05	RFI-81-06	RFI-81-06	RFI-81-06	RFI-81-06
Sample Depth(feet):	8-10	0-2	10-12	8-10	8-10	3-5	9-11	0.8-2.8	12.8-14.8	2.8-4.8	8.8-10.8
Date Collected:	09/09/01	06/21/01	06/21/01	06/21/01	01/25/01	08/04/01	08/04/01	08/04/01	08/04/01	08/04/01	08/04/01
Volatiles											
1,1,1-Trichloroethane	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037) [ND(0.035)]	ND(0.040)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.037)
1,1,2,2-Tetrachloroethane	ND(0.083)	ND(0.077) J	ND(0.077) J	ND(0.076)	ND(0.039)	ND(0.073) [ND(0.070)]	ND(0.080)	ND(0.072)	ND(0.073)	ND(0.071)	ND(0.075)
1,1,2-Trichloroethane	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037) [ND(0.035)]	ND(0.040)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.037)
1,1-Dichloroethane	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037) [ND(0.035)]	ND(0.040)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.037)
1,1-Dichloroethene	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037) [ND(0.035)]	ND(0.040)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.037)
1,2,4-Trichlorobenzene	ND(0.18)	ND(0.16) J	ND(0.17) J	ND(0.16) J	NS	ND(0.16) [ND(0.15)]	ND(0.17)	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.16)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.18)	ND(0.16) J	ND(0.17) J	ND(0.16) J	NS	ND(0.16) [ND(0.15)]	ND(0.17)	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.16)
1,2-Dibromoethane (EDB)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)	NS	ND(0.16) [ND(0.15)]	ND(0.17)	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.16)
1,2-Dichlorobenzene	ND(0.083)	ND(0.077)	ND(0.077)	ND(0.076)	NS	ND(0.073) [ND(0.070)]	ND(0.080)	ND(0.072)	ND(0.073)	ND(0.071)	ND(0.075)
1,2-Dichloroethane	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037) [ND(0.035)]	ND(0.040)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.037)
1,2-Dichloroethene (total)	NS	NS	NS	NS	ND(0.079)	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037) [ND(0.035)]	ND(0.040)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.037)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.083)	ND(0.077)	ND(0.077)	ND(0.076)	NS	ND(0.073) [ND(0.070)]	ND(0.080)	ND(0.072)	ND(0.073)	ND(0.071)	ND(0.075)
1,4-Dichlorobenzene	ND(0.083)	ND(0.077)	ND(0.077)	ND(0.076)	NS	ND(0.073) [ND(0.070)]	ND(0.080)	ND(0.072)	ND(0.073)	ND(0.071)	ND(0.075)
2-Butanone	0.045 J	0.19 J	0.035 J	ND(0.27)	ND(0.28)	ND(0.26) [ND(0.25)]	ND(0.29)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.27)
2-Hexanone	ND(0.30)	ND(0.27)	ND(0.28)	ND(0.27)	ND(0.17)	ND(0.26) [ND(0.25)]	ND(0.29)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.27)
4-Methyl-2-pentanone	ND(0.30)	ND(0.27)	ND(0.28)	ND(0.27)	ND(0.17)	ND(0.26) [ND(0.25)]	ND(0.29)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.27)
Acetone	ND(0.30)	ND(0.37)	ND(0.28)	ND(0.27)	ND(0.28)	ND(0.26) J [ND(0.25) J]	ND(0.29) J	ND(0.26) J	ND(0.26) J	ND(0.26) J	ND(0.27) J
Benzene	0.13	0.47	ND(0.039)	ND(0.038)	ND(0.039)	0.11 [0.12]	0.056	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.037)
Benzene, isopropyl	ND(0.18)	0.47	ND(0.17)	ND(0.16)	NS	0.032 J [0.035 J]	ND(0.17)	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.16)
Bromodichloromethane	ND(0.083)	ND(0.077)	ND(0.077)	ND(0.076)	ND(0.039)	ND(0.073) [ND(0.070)]	ND(0.080)	ND(0.072)	ND(0.073)	ND(0.071)	ND(0.075)
Bromoform	ND(0.083)	ND(0.077)	ND(0.077)	ND(0.076)	ND(0.039)	ND(0.073) [ND(0.070)]	ND(0.080)	ND(0.072)	ND(0.073)	ND(0.071)	ND(0.075)
Bromomethane	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17) J	ND(0.16) [ND(0.15)]	ND(0.17)	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.16)
Carbon disulfide	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) [ND(0.15)]	ND(0.17)	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.16)
Carbon tetrachloride	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037) [ND(0.035)]	ND(0.040)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.037)
Chlorobenzene	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037) [ND(0.035)]	ND(0.040)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.037)
Chloroethane	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) [ND(0.15)]	ND(0.17)	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.16)
Chloroform	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037) [ND(0.035)]	ND(0.040)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.037)
Chloromethane	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16) [ND(0.15)]	ND(0.17)	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.16)
cis-1,2-Dichloroethene	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037) [ND(0.035)]	ND(0.040)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.037)
cis-1,3-Dichloropropene	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037) [ND(0.035)]	ND(0.040)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.037)
Cyclohexane	ND(0.18)	1.3	0.094 J	ND(0.16)	NS	0.35 [0.35]	0.24 J	ND(0.15) J	ND(0.16) J	ND(0.15) J	0.31 J
Dibromochloromethane	ND(0.083)	ND(0.077)	ND(0.077)	ND(0.076)	ND(0.039)	ND(0.073) [ND(0.070)]	ND(0.080)	ND(0.072)	ND(0.073)	ND(0.071)	ND(0.075)
Dichlorodifluoromethane (CFC-12)	ND(0.083)	ND(0.077)	ND(0.077)	ND(0.076)	NS	ND(0.073) [ND(0.070)]	ND(0.080)	ND(0.072)	ND(0.073)	ND(0.071)	ND(0.075)
Ethylbenzene	ND(0.042)	0.57	ND(0.039)	ND(0.038)	ND(0.039)	0.13 [0.13]	0.082	ND(0.036)	ND(0.036)	ND(0.036)	0.027 J
m&p-Xylene	0.09	2.1	0.046 J	0.043 J	ND(0.079)	0.58 [0.61]	0.37	ND(0.072)	0.041 J	0.035 J	0.23

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-81-02	RFI-81-03	RFI-81-03	RFI-81-03	RFI-81-04	RFI-81-05	RFI-81-05	RFI-81-06	RFI-81-06	RFI-81-06	RFI-81-06
Sample Depth(feet):	8-10	0-2	10-12	8-10	8-10	3-5	9-11	0.8-2.8	12.8-14.8	2.8-4.8	8.8-10.8
Date Collected:	09/09/01	06/21/01	06/21/01	06/21/01	01/25/01	08/04/01	08/04/01	08/04/01	08/04/01	08/04/01	08/04/01
Methyl acetate	0.11 J	ND(0.16)	ND(0.17)	ND(0.16)	NS	ND(0.16) [ND(0.15)]	ND(0.17)	0.089 J	ND(0.16)	0.11 J	ND(0.16)
Methyl Tert Butyl Ether	ND(0.30)	ND(0.27)	ND(0.28)	ND(0.27)	NS	ND(0.26) [ND(0.25)]	ND(0.29)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.27)
Methylcyclohexane	ND(0.18)	3.5	0.089 J	0.069 J	NS	0.96 [0.97]	0.62	ND(0.15)	0.12 J	0.11 J	0.75
Methylene chloride	ND(0.18)	ND(0.16)	ND(0.17)	0.15 J	ND(0.17)	0.16 J [0.15 J]	ND(0.17)	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.16)
o-Xylene	0.040 J	1.8	0.031 J	ND(0.038)	ND(0.039)	0.34 [0.35]	0.22	ND(0.036)	0.027 J	ND(0.036)	0.16
Styrene	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037) [ND(0.035)]	ND(0.040)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.037)
Tetrachloroethene	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037) [ND(0.035)]	ND(0.040)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.037)
Toluene	0.1	2.2	ND(0.039)	0.028 J	ND(0.039)	0.65 [0.70]	0.34	ND(0.036)	0.029 J	ND(0.036)	0.13
trans-1,2-Dichloroethene	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037) [ND(0.035)]	ND(0.040)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.037)
trans-1,3-Dichloropropene	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037) [ND(0.035)]	ND(0.040)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.037)
Trichloroethene	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.039)	0.042 [0.038]	0.18	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.037)
Trichlorofluoromethane (CFC-11)	ND(0.083)	ND(0.077)	ND(0.077)	ND(0.076)	NS	ND(0.073) [ND(0.070)]	ND(0.080)	ND(0.072)	ND(0.073)	ND(0.071)	ND(0.075)
Trifluorotrichloroethane (Freon 113)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.16)	NS	ND(0.16) [ND(0.15)]	ND(0.17)	ND(0.15)	ND(0.16)	ND(0.15)	ND(0.16)
Vinyl chloride	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037) [ND(0.035)]	ND(0.040)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.037)
Xylenes (total)	0.13	3.9	0.077	0.043	ND(0.079)	0.92 [0.96]	0.59	ND(0.072)	0.068	0.035	0.39
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	ND(0.18)	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	ND(0.18)	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	ND(0.18)	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	ND(0.18)	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.20) J	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
2,4,6-Trichlorophenol	ND(0.20) J	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
2,4-Dichlorophenol	ND(0.20) J	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
2,4-Dimethylphenol	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
2,4-Dinitrophenol	ND(0.80)	ND(0.72)	ND(0.74)	ND(0.73)	ND(0.73)	ND(0.69) J [ND(0.69)]	ND(0.74) J	ND(0.68) J	ND(0.70)	ND(0.69)	ND(0.72)
2,4-Dinitrotoluene	ND(0.80) J	ND(0.72)	ND(0.74)	ND(0.73)	ND(0.18) J	ND(0.69) [ND(0.69)]	ND(0.74)	ND(0.68)	ND(0.70)	ND(0.69)	ND(0.72)
2,6-Dinitrotoluene	ND(0.20) J	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
2-Chloronaphthalene	ND(0.20) J	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
2-Chlorophenol	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
2-Methyl naphthalene	0.28	1.0 J	ND(0.19)	ND(0.18)	ND(0.18)	0.51 J [0.71 J]	0.50 J	ND(0.17)	ND(0.18)	ND(0.18)	0.25 J
2-Methylphenol	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
2-Nitroaniline	ND(0.80) J	ND(0.72)	ND(0.74)	ND(0.73)	ND(0.73)	ND(0.69) [ND(0.69)]	ND(0.74)	ND(0.68)	ND(0.70)	ND(0.69)	ND(0.72)
2-Nitrophenol	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
3&4-Methylphenol	ND(0.41) J	ND(0.36)	ND(0.38)	ND(0.37)	ND(0.36)	ND(0.35) J [ND(0.35) J]	ND(0.38) J	ND(0.35) J	ND(0.36) J	ND(0.35) J	ND(0.37) J
3,3-Dichlorobenzidine	ND(0.80) J	ND(0.72)	ND(0.74) J	ND(0.73) J	ND(0.73) J	ND(0.69) [ND(0.69)]	ND(0.74)	ND(0.68)	ND(0.70)	ND(0.69)	ND(0.72)
3-Nitroaniline	ND(0.80) J	ND(0.72)	ND(0.74)	ND(0.73)	ND(0.73)	ND(0.69) [ND(0.69)]	ND(0.74)	ND(0.68)	ND(0.70)	ND(0.69)	ND(0.72)
4,6-Dinitro-2-methylphenol	ND(0.80) J	ND(0.72)	ND(0.74)	ND(0.73)	ND(0.73)	ND(0.69) [ND(0.69)]	ND(0.74)	ND(0.68)	ND(0.70)	ND(0.69)	ND(0.72)
4-Bromophenyl phenyl ether	ND(0.20) J	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18) J	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
4-Chloro-3-methylphenol	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-81-02	RFI-81-03	RFI-81-03	RFI-81-03	RFI-81-04	RFI-81-05	RFI-81-05	RFI-81-06	RFI-81-06	RFI-81-06	RFI-81-06
Sample Depth(feet):	8-10	0-2	10-12	8-10	8-10	3-5	9-11	0.8-2.8	12.8-14.8	2.8-4.8	8.8-10.8
Date Collected:	09/09/01	06/21/01	06/21/01	06/21/01	01/25/01	08/04/01	08/04/01	08/04/01	08/04/01	08/04/01	08/04/01
4-Chloroaniline	ND(0.80)	ND(0.72) J	ND(0.74)	ND(0.73)	ND(0.73) J	ND(0.69) [ND(0.69)]	ND(0.74)	ND(0.68)	ND(0.70)	ND(0.69)	ND(0.72)
4-Chlorophenyl phenyl ether	ND(0.80) J	ND(0.72)	ND(0.74)	ND(0.73)	ND(0.18)	ND(0.69) [ND(0.69)]	ND(0.74)	ND(0.68)	ND(0.70)	ND(0.69)	ND(0.72)
4-Nitroaniline	ND(0.80) J	ND(0.72)	ND(0.74)	ND(0.73)	ND(0.73)	ND(0.69) [ND(0.69)]	ND(0.74)	ND(0.68)	ND(0.70)	ND(0.69)	ND(0.72)
4-Nitrophenol	ND(0.80) J	ND(0.72)	ND(0.74) J	ND(0.73) J	ND(0.73)	ND(0.69) J [ND(0.69)]	ND(0.74) J	ND(0.68) J	ND(0.70)	ND(0.69)	ND(0.72)
Acenaphthene	0.086 J	0.95	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
Acenaphthylene	ND(0.20) J	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
Acetophenone	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.18)	NS	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
Anthracene	0.37 J	1.6	ND(0.19)	0.087 J	ND(0.18)	0.045 J [0.047 J]	0.056 J	ND(0.17)	ND(0.18)	ND(0.18)	0.13 J
Atrazine	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.18)	NS	ND(0.17) J [ND(0.17) J]	ND(0.19) J	ND(0.17) J	ND(0.18) J	ND(0.18) J	ND(0.18) J
Benzaldehyde	ND(0.20) J	ND(0.18)	ND(0.19) J	ND(0.18) J	NS	ND(0.17) J [ND(0.17) J]	ND(0.19) J	ND(0.17) J	ND(0.18) J	ND(0.18) J	ND(0.18) J
Benzo(a)anthracene	3.6 J	3.3 J	0.13 J	0.38 J	0.34	0.057 J [0.063 J]	0.051 J	ND(0.17)	ND(0.18)	ND(0.18)	0.38 J
Benzo(a)pyrene	3.9 J(RDC)	3.4 J(RDC)	0.13 J	0.43 J	0.31 J	ND(0.17) J [ND(0.17) J]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	0.37 J
Benzo(b)fluoranthene	2.7 J	3.2 J	0.24 J	0.59 J	0.33 J	0.068 J [0.050 J]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	0.34 J
Benzo(g,h,i)perylene	4.1	1.6 J	0.12 J	0.36 J	ND(0.18) J	ND(0.17) J [ND(0.17) J]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	0.20 J
Benzo(k)fluoranthene	2.7	3.3 J	0.12 J	0.38 J	0.30 J	0.036 J [ND(0.17) J]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	0.36 J
Biphenyl	0.12 J	0.16 J	ND(0.19) J	ND(0.18) J	NS	0.11 J [0.11 J]	0.098 J	ND(0.17) J	ND(0.18)	ND(0.18) J	ND(0.18)
bis(2-Chloroethoxy)methane	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18) J	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
bis(2-Chloroethyl)ether	ND(0.039)	ND(0.035)	ND(0.036)	ND(0.036)	ND(0.18)	ND(0.034) [ND(0.034)]	ND(0.037)	ND(0.034)	ND(0.034)	ND(0.034)	0.024 J
bis(2-Chloroisopropyl)ether	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
bis(2-Ethylhexyl)phthalate	ND(0.20)	0.13 J	0.17 J	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	0.11 J	ND(0.18)	0.081 J	ND(0.18)
Butyl benzylphthalate	ND(0.20) J	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
Caprolactam	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.18)	NS	ND(0.17) [ND(0.17)]	0.16 J	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
Carbazole	0.095 J	0.94	ND(0.19)	0.044 J	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	0.079 J
Chrysene	4.1 J	3.3 J	0.16 J	0.5	0.43	0.083 J [0.093 J]	0.078 J	ND(0.17)	ND(0.18)	ND(0.18)	0.42 J
Di-n-butylphthalate	ND(0.20) J	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
Di-n-octyl phthalate	ND(0.20) J	ND(0.18) J	ND(0.19)	ND(0.18)	ND(0.18) J	ND(0.17) J [ND(0.17) J]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
Dibenzo(a,h)anthracene	ND(0.20) J	0.77 J	ND(0.19)	ND(0.18)	ND(0.18) J	ND(0.17) J [ND(0.17) J]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
Dibenzofuran	0.15 J	0.6	ND(0.19)	ND(0.18)	ND(0.18)	0.15 J [0.18 J]	0.13 J	ND(0.17)	ND(0.18)	ND(0.18)	0.073 J
Diethyl phthalate	ND(0.20) J	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
Dimethyl phthalate	ND(0.20) J	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
Fluoranthene	2.4 J	4.3 DJ	0.19	0.59 J	0.53	0.16 J [0.16 J]	0.097 J	ND(0.17)	ND(0.18)	ND(0.18)	0.74 J
Fluorene	0.090 J	0.60 J	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
Hexachlorobenzene	ND(0.20) J	ND(0.18)	ND(0.19) J	ND(0.18) J	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
Hexachlorobutadiene	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
Hexachlorocyclopentadiene	ND(0.20) J	ND(0.18)	ND(0.19) J	ND(0.18) J	ND(0.18) J	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
Hexachloroethane	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
Indeno(1,2,3-cd)pyrene	3.0 J	1.6 J	0.089 J	0.28 J	ND(0.18) J	ND(0.17) J [ND(0.17) J]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	0.17 J
Isophorone	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
Methylphenols, Total	ND(0.41)	ND(0.36)	ND(0.38)	ND(0.37)	ND(0.36)	ND(0.35) [ND(0.35)]	ND(0.38)	ND(0.35)	ND(0.36)	ND(0.35)	ND(0.37)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-81-02	RFI-81-03	RFI-81-03	RFI-81-03	RFI-81-04	RFI-81-05	RFI-81-05	RFI-81-06	RFI-81-06	RFI-81-06	RFI-81-06
Sample Depth(feet):	8-10	0-2	10-12	8-10	8-10	3-5	9-11	0.8-2.8	12.8-14.8	2.8-4.8	8.8-10.8
Date Collected:	09/09/01	06/21/01	06/21/01	06/21/01	01/25/01	08/04/01	08/04/01	08/04/01	08/04/01	08/04/01	08/04/01
N-Nitrosodi-n-propylamine	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
N-Nitrosodiphenylamine	ND(0.20) J	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
Naphthalene	0.59	1	ND(0.19)	0.045 J	ND(0.18)	0.50 J [0.70 J]	0.42 J	ND(0.17)	0.049 J	ND(0.18)	0.20 J
Nitrobenzene	ND(0.080)	ND(0.072)	ND(0.074)	ND(0.073)	ND(0.18)	ND(0.069) [ND(0.069)]	ND(0.074)	ND(0.068)	ND(0.070)	ND(0.069)	ND(0.072)
Pentachlorophenol	ND(0.80) J	ND(0.72)	ND(0.74)	ND(0.73)	ND(0.18)	ND(0.69) [ND(0.69)]	ND(0.74)	ND(0.68)	ND(0.70)	ND(0.69)	ND(0.72)
Phenanthrene	1.4 J	3.8 DJ	0.15 J	0.41 J	0.48	0.55 J [0.63 J]	0.39 J	ND(0.17)	0.041 J	0.047 J	0.57 J
Phenol	ND(0.20)	ND(0.18)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17)	ND(0.18)	ND(0.18)	ND(0.18)
Pyrene	10 D	5.2 DJ	0.24	0.70 J	0.8	0.17 J [0.18 J]	0.12 J	ND(0.17)	ND(0.18)	ND(0.18)	0.63 J
Inorganics											
Antimony	1.1 R	0.057 J	0.18 R	0.19 R	NS	ND(0.24) [ND(0.21)]	ND(0.25)	ND(0.22)	ND(0.21)	ND(0.22)	ND(0.23)
Arsenic	19(RDC)	13(RDC)	5.2	3	7.9(RDC)	2.1 [1.5]	1.6	3.5	0.58	2.1	2.1
Barium	2000	71	42	34	30 J	18 [22]	20	14	3.5	13	13
Beryllium	0.40 J	0.76	0.43	0.33	NS	0.2 [0.18]	0.29	0.11	0.065 J	0.13	0.11
Cadmium	19	0.92	0.2	0.053	0.13	0.068 [0.078]	0.1	0.13	0.014 J	0.098	0.24
Chromium	190	45	20	10	15	4.2 [5.4]	5.1	11	4.7	15	31
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	44	5.4	3.4	2.8	NS	1.2 [1.2]	1.1	3.1	0.53	2.2	1.7
Copper	8300	49 J	19 J	7.6 J	NS	3.6 [3.6]	5.5	15	3.8	16	28
Cyanide (total)	0.057 J	0.048 J	0.053 J	0.051 J	NS	0.51 [0.46]	0.13 J	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
Lead	69,000 D(RDC,IPSIC,IDC)	160 J	23 J	6.0 J	13 J	5.4 [6.6]	6.9	8.3	2.4	10	19
Manganese	970	1200	1200	1000	NS	49 [61]	74	240	40	160	270
Mercury	0.91	0.12	0.11	0.2	0.046	ND(0.072) [ND(0.071)]	ND(0.078)	ND(0.072)	ND(0.073)	ND(0.070)	ND(0.075)
Nickel	80	44	10	6.1	NS	3.3 [3.6]	3.3	12	2.8	9.1	14
Selenium	ND(0.45)	0.75	0.23 J	0.24 J	0.12	0.31 J [0.21]	0.5	0.25 J	0.16	0.11 J	ND(0.091)
Silver	3.9	0.096 J	0.11 J	0.039 J	ND(0.19)	0.095 J [0.075 J]	0.10 J	0.086 J	0.023 J	0.13 J	0.10 J
Thallium	0.13 J	0.17 J	0.016 J	0.031 J	NS	0.057 J [0.048 J]	0.051 J	0.11 J	0.0089 J	0.055 J	0.025 J
Vanadium	35	17	17	13	NS	4.3 [4.7]	4.9	8	2.5	6.7	6.9
Zinc	5,800 J	190	54	17	NS	14 [14]	19	30	6.2	22	100
PCBs											
Aroclor-1016	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	NS	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.038)
Aroclor-1221	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	NS	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.038)
Aroclor-1232	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	NS	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.038)
Aroclor-1242	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	NS	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.038)
Aroclor-1248	ND(0.042)	ND(0.038)	ND(0.039)	ND(0.038)	NS	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.038)
Aroclor-1254	ND(0.042)	0.14	0.24	0.061	NS	ND(0.036) [ND(0.036)]	ND(0.039)	0.032 J	ND(0.037)	ND(0.036)	ND(0.038)
Aroclor-1260	ND(0.042)	0.041	0.041	ND(0.038)	NS	0.028 J [ND(0.036)]	ND(0.039)	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.038)
Total PCBs	ND(0.042)	0.18	0.28	0.061	NS	0.028 [ND(0.036)]	ND(0.039)	0.032	ND(0.037)	ND(0.036)	ND(0.038)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-81-07	RFI-81-07	RFI-81-08	RFI-81-08	RFI-81-09	RFI-81-09	RFI-81-09	RFI-81-10	RFI-81-10	RFI-81-10	RFI-81-11	RFI-81-11
Sample Depth(feet):	0.3-2.3	4.3-6.3	0-2	6-8	0-2	10-12	8-10	0.3-2.3	10.3-12.3	8.3-10.3	0-2	2-4
Date Collected:	07/27/01	07/27/01	06/21/01	06/21/01	06/25/01	06/25/01	06/25/01	06/21/01	06/21/01	06/21/01	06/20/01	06/20/01
Volatiles												
1,1,1-Trichloroethane	0.71	ND(0.040)	ND(0.039)	ND(0.042)	ND(0.047)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	0.029 J	ND(0.039) [ND(0.042)]	ND(0.037)
1,1,2,2-Tetrachloroethane	ND(0.077)	ND(0.080)	ND(0.079)	ND(0.083) J	ND(0.094)	ND(0.077)	ND(0.077)	ND(0.076)	ND(0.080) J	ND(0.077)	ND(0.078) [ND(0.084)]	ND(0.074)
1,1,2-Trichloroethane	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.042)	ND(0.047)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.042)]	ND(0.037)
1,1-Dichloroethane	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.042)	ND(0.047)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.042)]	ND(0.037)
1,1-Dichloroethene	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.042)	ND(0.047)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.042)]	ND(0.037)
1,2,4-Trichlorobenzene	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18) J	ND(0.20) J	ND(0.17)	ND(0.17) J	ND(0.16) J	ND(0.17) J	ND(0.17) J	ND(0.17) J [ND(0.18) J]	ND(0.16)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18) J	ND(0.20) J	ND(0.17)	ND(0.17) J	ND(0.16) J	ND(0.17) J	ND(0.17) J	ND(0.17) J [ND(0.18) J]	ND(0.16)
1,2-Dibromoethane (EDB)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.20)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.16)
1,2-Dichlorobenzene	ND(0.077)	ND(0.080)	ND(0.079)	ND(0.083)	ND(0.094)	ND(0.077)	ND(0.077)	ND(0.076)	ND(0.080)	ND(0.077)	ND(0.078) [ND(0.084)]	ND(0.074)
1,2-Dichloroethane	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.042) J	ND(0.047)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.042)]	ND(0.037)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.042)	ND(0.047)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.042)]	ND(0.037)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.077)	ND(0.080)	ND(0.079)	ND(0.083)	ND(0.094)	ND(0.077)	ND(0.077)	ND(0.076)	ND(0.080)	ND(0.077)	ND(0.078) [ND(0.084)]	ND(0.074)
1,4-Dichlorobenzene	ND(0.077)	ND(0.080)	ND(0.079)	ND(0.083)	ND(0.094)	ND(0.077)	ND(0.077)	ND(0.076)	ND(0.080)	ND(0.077)	ND(0.078) [ND(0.084)]	ND(0.074)
2-Butanone	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.30)	ND(0.33)	ND(0.28)	ND(0.28)	0.029 J	ND(0.28)	ND(0.28)	ND(0.28) [0.031 J]	ND(0.26)
2-Hexanone	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.30)	ND(0.33)	ND(0.28)	ND(0.28)	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.28) [ND(0.30)]	ND(0.26)
4-Methyl-2-pentanone	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.30)	ND(0.33)	ND(0.28)	ND(0.28)	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.28) [ND(0.30)]	ND(0.26)
Acetone	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.30) J	ND(0.33)	ND(0.28)	ND(0.28)	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.28) [ND(0.30)]	ND(0.26)
Benzene	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.042)	ND(0.047)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.042)]	ND(0.037)
Benzene, isopropyl	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.20)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.18)]	0.044 J
Bromodichloromethane	ND(0.077)	ND(0.080)	ND(0.079)	ND(0.083)	ND(0.094)	ND(0.077)	ND(0.077)	ND(0.076)	ND(0.080)	ND(0.077)	ND(0.078) [ND(0.084)]	ND(0.074)
Bromoform	ND(0.077)	ND(0.080)	ND(0.079)	ND(0.083)	ND(0.094)	ND(0.077)	ND(0.077)	ND(0.076)	ND(0.080)	ND(0.077)	ND(0.078) [ND(0.084)]	ND(0.074)
Bromomethane	ND(0.16) J	ND(0.17) J	ND(0.17)	ND(0.18)	ND(0.20)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.16)
Carbon disulfide	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.20)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.16)
Carbon tetrachloride	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.042)	ND(0.047)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.042)]	ND(0.037)
Chlorobenzene	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.042)	ND(0.047)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.042)]	ND(0.037)
Chloroethane	ND(0.16) J	ND(0.17) J	ND(0.17)	ND(0.18)	ND(0.20)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.16)
Chloroform	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.042)	ND(0.047)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.042)]	ND(0.037)
Chloromethane	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.20)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.16)
cis-1,2-Dichloroethene	ND(0.038)	ND(0.040)	ND(0.039)	0.043	ND(0.047)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.042)]	0.028 J
cis-1,3-Dichloropropene	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.042)	ND(0.047)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.042)]	ND(0.037)
Cyclohexane	0.079 J	ND(0.17)	ND(0.17)	ND(0.18) J	ND(0.20)	ND(0.17)	ND(0.17)	0.067 J	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.18)]	0.087 J
Dibromochloromethane	ND(0.077)	ND(0.080)	ND(0.079)	ND(0.083)	ND(0.094)	ND(0.077)	ND(0.077)	ND(0.076)	ND(0.080)	ND(0.077)	ND(0.078) [ND(0.084)]	ND(0.074)
Dichlorodifluoromethane (CFC-12)	ND(0.077)	ND(0.080)	ND(0.079)	ND(0.083)	ND(0.094)	ND(0.077)	ND(0.077)	ND(0.076)	ND(0.080)	ND(0.077)	ND(0.078) [ND(0.084)]	ND(0.074)
Ethylbenzene	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.042)	ND(0.047)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.042)]	0.086
m&p-Xylene	0.11	0.038 J	ND(0.079)	ND(0.083)	ND(0.094)	ND(0.077)	ND(0.077)	0.077	0.045 J	0.032 J	ND(0.078) [ND(0.084)]	0.1

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-81-07	RFI-81-07	RFI-81-08	RFI-81-08	RFI-81-09	RFI-81-09	RFI-81-09	RFI-81-10	RFI-81-10	RFI-81-10	RFI-81-11	RFI-81-11
Sample Depth(feet):	0.3-2.3	4.3-6.3	0-2	6-8	0-2	10-12	8-10	0.3-2.3	10.3-12.3	8.3-10.3	0-2	2-4
Date Collected:	07/27/01	07/27/01	06/21/01	06/21/01	06/25/01	06/25/01	06/25/01	06/21/01	06/21/01	06/21/01	06/20/01	06/20/01
Methyl acetate	0.065 J	ND(0.17)	ND(0.17)	ND(0.18) J	0.24	ND(0.17)	ND(0.17)	0.14 J	ND(0.17)	ND(0.17)	0.11 J [0.058 J]	0.19
Methyl Tert Butyl Ether	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.30)	ND(0.33)	ND(0.28)	ND(0.28)	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.28) [ND(0.30)]	ND(0.26)
Methylcyclohexane	0.26	0.10 J	0.086 J	0.031 J	ND(0.20)	0.042 J	0.061 J	0.13 J	ND(0.17)	0.048 J	ND(0.17) [ND(0.18)]	0.22
Methylene chloride	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18) J	ND(0.20) J	ND(0.17) J	ND(0.17) J	0.032 J	0.033 J	0.14 J	0.16 J [0.039 J]	ND(0.16) J
o-Xylene	0.086	ND(0.040)	0.037 J	ND(0.042)	ND(0.047)	ND(0.039)	ND(0.039)	0.054	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.042)]	0.14
Styrene	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.042)	ND(0.047)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.042)]	ND(0.037)
Tetrachloroethene	ND(0.038) J	ND(0.040) J	ND(0.039)	ND(0.042)	ND(0.047)	0.045	0.049	ND(0.038)	0.05	0.13	ND(0.039) [ND(0.042)]	0.027 J
Toluene	0.07	ND(0.040)	ND(0.039)	ND(0.042)	ND(0.047)	ND(0.039)	ND(0.039)	0.064	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.042)]	0.16
trans-1,2-Dichloroethene	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.042)	ND(0.047)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.042)]	ND(0.037)
trans-1,3-Dichloropropene	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.042)	ND(0.047)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.042)]	ND(0.037)
Trichloroethene	2.1 J	0.15 J	ND(0.039)	0.39	ND(0.047)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	0.056	ND(0.039) [ND(0.042)]	0.027 J
Trichlorofluoromethane (CFC-11)	ND(0.077)	ND(0.080)	ND(0.079)	ND(0.083)	ND(0.094)	ND(0.077)	ND(0.077)	ND(0.076)	ND(0.080)	0.032 J	ND(0.078) [ND(0.084)]	ND(0.074)
Trifluorotrichloroethane (Freon 113)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.20)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.18)]	ND(0.16)
Vinyl chloride	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.042)	ND(0.047)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.039) [ND(0.042)]	ND(0.037)
Xylenes (total)	0.2	0.038	0.037	ND(0.083)	ND(0.094)	ND(0.077)	ND(0.077)	0.13	0.045	0.032	ND(0.078) [ND(0.084)]	0.24
Semivolatiles												
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20) J	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
2,4,6-Trichlorophenol	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
2,4-Dichlorophenol	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
2,4-Dimethylphenol	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
2,4-Dinitrophenol	ND(0.72)	ND(0.76)	ND(0.74)	ND(0.79)	ND(0.91)	ND(0.75)	ND(0.73)	ND(0.71)	ND(0.75)	ND(0.74)	ND(0.76) [ND(0.82)]	ND(0.72)
2,4-Dinitrotoluene	ND(0.72)	ND(0.76)	ND(0.74)	ND(0.79)	ND(0.91)	ND(0.75)	ND(0.73)	ND(0.71)	ND(0.75)	ND(0.74)	ND(0.76) [ND(0.82)]	ND(0.72)
2,6-Dinitrotoluene	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
2-Chloronaphthalene	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
2-Chlorophenol	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
2-Methyl naphthalene	0.14 J	ND(0.19)	ND(0.19) J	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	2.1
2-Methylphenol	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
2-Nitroaniline	ND(0.72)	ND(0.76)	ND(0.74)	ND(0.79)	ND(0.91)	ND(0.75)	ND(0.73)	ND(0.71)	ND(0.75)	ND(0.74)	ND(0.76) [ND(0.82)]	ND(0.72)
2-Nitrophenol	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
3&4-Methylphenol	ND(0.37) J	ND(0.38)	ND(0.38) J	ND(0.40)	ND(0.46)	ND(0.38)	ND(0.37)	ND(0.36)	ND(0.38)	ND(0.37)	ND(0.38) [ND(0.41)]	ND(0.36)
3,3-Dichlorobenzidine	ND(0.72) J	ND(0.76)	ND(0.74)	ND(0.79) J	ND(0.91)	ND(0.75)	ND(0.73)	ND(0.71)	ND(0.75)	ND(0.74) J	ND(0.76) [ND(0.82) J]	ND(0.72)
3-Nitroaniline	ND(0.72)	ND(0.76)	ND(0.74)	ND(0.79)	ND(0.91)	ND(0.75)	ND(0.73)	ND(0.71)	ND(0.75)	ND(0.74)	ND(0.76) [ND(0.82)]	ND(0.72)
4,6-Dinitro-2-methylphenol	ND(0.72)	ND(0.76)	ND(0.74)	ND(0.79)	ND(0.91)	ND(0.75)	ND(0.73)	ND(0.71)	ND(0.75)	ND(0.74)	ND(0.76) [ND(0.82)]	ND(0.72)
4-Bromophenyl phenyl ether	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
4-Chloro-3-methylphenol	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-81-07	RFI-81-07	RFI-81-08	RFI-81-08	RFI-81-09	RFI-81-09	RFI-81-09	RFI-81-10	RFI-81-10	RFI-81-10	RFI-81-11	RFI-81-11
Sample Depth(feet):	0.3-2.3	4.3-6.3	0-2	6-8	0-2	10-12	8-10	0.3-2.3	10.3-12.3	8.3-10.3	0-2	2-4
Date Collected:	07/27/01	07/27/01	06/21/01	06/21/01	06/25/01	06/25/01	06/25/01	06/21/01	06/21/01	06/21/01	06/20/01	06/20/01
4-Chloroaniline	ND(0.72)	ND(0.76)	ND(0.74)	ND(0.79)	ND(0.91) J	ND(0.75) J	ND(0.73) J	ND(0.71) J	ND(0.75) J	ND(0.74)	ND(0.76) [ND(0.82)]	ND(0.72) J
4-Chlorophenyl phenyl ether	ND(0.72) J	ND(0.76) J	ND(0.74)	ND(0.79)	ND(0.91)	ND(0.75)	ND(0.73)	ND(0.71)	ND(0.75)	ND(0.74)	ND(0.76) [ND(0.82)]	ND(0.72)
4-Nitroaniline	ND(0.72)	ND(0.76)	ND(0.74)	ND(0.79)	ND(0.91)	ND(0.75)	ND(0.73)	ND(0.71)	ND(0.75)	ND(0.74) J	ND(0.76) [ND(0.82)]	ND(0.72)
4-Nitrophenol	ND(0.72)	ND(0.76)	ND(0.74)	ND(0.79)	ND(0.91)	ND(0.75)	ND(0.73)	ND(0.71)	ND(0.75)	ND(0.74)	ND(0.76) [ND(0.82) J]	ND(0.72)
Acenaphthene	0.069 J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	0.057 J	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	6.1 EJ
Acenaphthylene	0.055 J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	2.1
Acetophenone	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
Anthracene	0.18 J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	0.26	ND(0.18)	0.16 J	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	13 EJ
Atrazine	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
Benzaldehyde	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.20) J	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.19) J [ND(0.21) J]	ND(0.18)
Benzo(a)anthracene	0.62 J	0.10 J	ND(0.19)	0.038 J	ND(0.23)	1.8 J	ND(0.18)	0.53 J	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	5.3 EJ
Benzo(a)pyrene	0.64 J	0.10 J	ND(0.19)	ND(0.20) J	ND(0.23)	1.2 J	ND(0.18)	0.62 J	0.043 J	ND(0.19)	ND(0.19) [ND(0.21)]	4.6 EJ(RDC)
Benzo(b)fluoranthene	0.85 J	0.13 J	0.15 J	ND(0.20) J	ND(0.23)	1.3 J	ND(0.18)	0.57 J	ND(0.19)	0.14 J	0.14 J [0.16 J]	6.1 EJ
Benzo(g,h,i)perylene	0.61 J	0.077 J	ND(0.19) J	ND(0.20) J	ND(0.23)	0.47 J	ND(0.18)	0.34 J	ND(0.19)	ND(0.19)	ND(0.19) J [ND(0.21)]	2.6 J
Benzo(k)fluoranthene	0.67 J	0.13 J	ND(0.19)	ND(0.20) J	ND(0.23)	1.5	ND(0.18)	0.60 J	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	3.4 J
Biphenyl	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20) J	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.19) [ND(0.21) J]	1.8
bis(2-Chloroethoxy)methane	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
bis(2-Chloroethyl)ether	ND(0.036)	ND(0.037)	ND(0.036)	ND(0.039)	ND(0.045)	ND(0.037)	ND(0.036)	ND(0.035)	ND(0.037)	ND(0.036)	ND(0.037) [ND(0.040)]	ND(0.035)
bis(2-Chloroisopropyl)ether	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
bis(2-Ethylhexyl)phthalate	0.10 J	ND(0.19)	ND(0.19)	0.094 J	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	0.093 J
Butyl benzylphthalate	0.73 J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	0.40 J
Caprolactam	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
Carbazole	0.11 J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	0.075 J	ND(0.18)	0.061 J	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	8.6 EJ
Chrysene	0.77 J	0.16 J	ND(0.19)	0.054 J	ND(0.23)	1.8 J	0.045 J	0.56	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	5.4 D
Di-n-butylphthalate	0.060 J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
Di-n-octyl phthalate	ND(0.18) J	ND(0.19) J	ND(0.19)	ND(0.20) J	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18) J	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18) J
Dibenzo(a,h)anthracene	ND(0.18) J	ND(0.19) J	ND(0.19) J	ND(0.20) J	ND(0.23)	0.26 J	ND(0.18)	ND(0.18) J	ND(0.19)	ND(0.19)	ND(0.19) J [ND(0.21)]	0.93 J
Dibenzofuran	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	5.7 D
Diethyl phthalate	0.055 J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	0.070 J	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
Dimethyl phthalate	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
Fluoranthene	1.1	0.19 J	0.038 J	0.047 J	0.058 J	3.1 J	0.042 J	0.98 J	0.047 J	ND(0.19)	ND(0.19) [0.044 J]	21 D
Fluorene	0.070 J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	0.050 J	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	9.9 D
Hexachlorobenzene	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20) J	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.19) [ND(0.21) J]	ND(0.18)
Hexachlorobutadiene	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
Hexachlorocyclopentadiene	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20) J	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.19) [ND(0.21) J]	ND(0.18)
Hexachloroethane	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
Indeno(1,2,3-cd)pyrene	0.42 J	0.072 J	ND(0.19) J	ND(0.20) J	ND(0.23)	0.43 J	ND(0.18)	0.29 J	ND(0.19)	ND(0.19)	ND(0.19) J [ND(0.21)]	2.5 J
Isophorone	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
Methylphenols, Total	ND(0.37)	ND(0.38)	ND(0.38)	ND(0.40)	ND(0.46)	ND(0.38)	ND(0.37)	ND(0.36)	ND(0.38)	ND(0.37)	ND(0.38) [ND(0.41)]	ND(0.36)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-81-07	RFI-81-07	RFI-81-08	RFI-81-08	RFI-81-09	RFI-81-09	RFI-81-09	RFI-81-10	RFI-81-10	RFI-81-10	RFI-81-11	RFI-81-11
Sample Depth(feet):	0.3-2.3	4.3-6.3	0-2	6-8	0-2	10-12	8-10	0.3-2.3	10.3-12.3	8.3-10.3	0-2	2-4
Date Collected:	07/27/01	07/27/01	06/21/01	06/21/01	06/25/01	06/25/01	06/25/01	06/21/01	06/21/01	06/21/01	06/20/01	06/20/01
N-Nitrosodi-n-propylamine	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
N-Nitrosodiphenylamine	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
Naphthalene	0.12 J	0.045 J	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	1.3
Nitrobenzene	ND(0.072)	ND(0.076)	ND(0.074)	ND(0.079)	ND(0.091)	ND(0.075)	ND(0.073)	ND(0.071)	ND(0.075)	ND(0.074)	ND(0.076) [ND(0.082)]	ND(0.072)
Pentachlorophenol	ND(0.72)	ND(0.76)	ND(0.74)	ND(0.79)	ND(0.91)	ND(0.75)	ND(0.73)	ND(0.71)	ND(0.75)	ND(0.74)	ND(0.76) [ND(0.82)]	ND(0.72)
Phenanthrene	0.78	0.17 J	ND(0.19)	0.062 J	ND(0.23)	0.7	ND(0.18)	0.57 J	0.060 J	0.052 J	ND(0.19) [ND(0.21)]	42 EJ
Phenol	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.19) [ND(0.21)]	ND(0.18)
Pyrene	1.7 J	0.2	ND(0.19)	0.099 J	0.085 J	4.9 J	0.052 J	1.4	0.045 J	ND(0.19)	ND(0.19) [0.045 J]	18 D
Inorganics												
Antimony	1.2 J	1.0 J	0.71 J	ND(0.27) J	ND(0.25) J	ND(0.28) J	ND(0.21) J	0.062 J	0.15 J	0.11 J	0.041 J [0.041 J]	0.21 J
Arsenic	4.5	5.2	3.9	2.6	2.7	2.3	4.4	4.7	3.4	3.4	3.3 [4.7]	3.9
Barium	83 J	47 J	20	33	52	17	33	51	9.4	11	15 [22]	18
Beryllium	0.53	0.58	0.16	0.45 J	0.25 J	0.17 J	0.30 J	0.41	0.17	0.15	0.13 [0.20]	0.2
Cadmium	1.1	0.25	0.2	0.19 J	0.36 J	0.053 J	0.054 J	0.38	0.18	0.72	0.12 [0.15]	0.66
Chromium	42 J	27 J	8.5	8.6 J	16 J	7.5 J	8.7 J	25	12	7.1	6.6 [8.8]	35
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	4.5	6.7	2.8	3.9	3.3	2.5	3.1	3.2	2.2	2.1	2.4 [3.3]	2.9
Copper	81 J	40 J	33 J	12	10	6.2	8.3	26 J	380 J	430 J	7.2 J [9.7 J]	23 J
Cyanide (total)	0.050 J	ND(0.20)	0.070 J	ND(0.20) J	0.34 J	ND(0.20) J	0.017 J	0.074 J	0.054 J	0.048 J	0.090 J [0.067 J]	0.14 J
Lead	130	200	33 J	16	13	5.5	12	38 J	220 J	360 J	7.6 J [10 J]	72 J
Manganese	690	470	160	80 J	100 J	230 J	350 J	940	120	140	120 [160]	340
Mercury	0.41	0.21	0.028 J	0.020 J	ND(0.094)	0.041 J	0.072 J	0.21	0.68	0.52	ND(0.074) [ND(0.085)]	0.016 J
Nickel	22 J	28 J	8.3	8.9	8.9	6.6	6.6	14	7.5	5.9	6.4 [8.9]	16
Selenium	0.51 J	0.38 J	0.30 J	0.30 J	0.24 J	0.38 J	0.14 J	0.39 J	0.068 J	0.083 J	0.29 J [0.29 J]	0.23 J
Silver	0.78	0.093 J	0.17 J	ND(0.27)	ND(0.25)	ND(0.28)	ND(0.21)	0.18 J	0.095 J	0.080 J	0.042 J [0.040 J]	0.18 J
Thallium	0.11 J	0.11 J	0.070 J	ND(0.27)	ND(0.25)	ND(0.28)	0.082 J	0.077 J	0.024 J	0.025 J	0.055 J [0.071 J]	0.083 J
Vanadium	13	18	11	15	14	11	15	14	9.5	8.2	12 [13]	10
Zinc	150	51	41	47	50	14 B	23	78	75	120	25 [32]	170
PCBs												
Aroclor-1016	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.048)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.043)]	ND(0.037)
Aroclor-1221	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.048)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.043)]	ND(0.037)
Aroclor-1232	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.048)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.043)]	ND(0.037)
Aroclor-1242	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.048)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.043)]	ND(0.037)
Aroclor-1248	ND(0.038)	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.048)	ND(0.039)	ND(0.038)	ND(0.037)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.043)]	ND(0.037)
Aroclor-1254	0.58	0.051	0.095	ND(0.041)	ND(0.048)	ND(0.039)	ND(0.038)	0.028 J	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.043)]	0.099
Aroclor-1260	0.11	ND(0.039)	ND(0.039)	ND(0.041)	ND(0.048)	ND(0.039)	ND(0.038)	0.019 J	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.043)]	0.052
Total PCBs	0.69	0.051	0.095	ND(0.041)	ND(0.048)	ND(0.039)	ND(0.038)	0.047	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.043)]	0.15

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-81-11	RFI-81-13	RFI-81-13	RFI-81-13	RFI-81-14	RFI-81-15	RFI-81-16	RFI-81-17	RFI-81-18	RFI-81-19	RFI-81-20	RFI-81-20
Sample Depth(feet):	4-6	0-2	10-12	6-8	0-2	0-2	0-2	0-2	0-2	0-2	1-3	3-5
Date Collected:	06/20/01	08/27/01	08/27/01	08/27/01	06/18/01	06/18/01	06/18/01	06/18/01	06/18/01	09/17/01	08/04/01	08/04/01
Volatiles												
1,1,1-Trichloroethane	ND(0.040)	ND(0.040)	NS	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.036)
1,1,2,2-Tetrachloroethane	ND(0.080)	ND(0.081)	NS	ND(0.077)	ND(0.076)	ND(0.080)	ND(0.078)	ND(0.075)	ND(0.076)	ND(0.078)	ND(0.074)	ND(0.072)
1,1,2-Trichloroethane	ND(0.040)	ND(0.040)	NS	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.036)
1,1-Dichloroethane	ND(0.040)	ND(0.040)	NS	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.036)
1,1-Dichloroethene	ND(0.040)	ND(0.040)	NS	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.036)
1,2,4-Trichlorobenzene	ND(0.17) J	ND(0.17)	NS	ND(0.16)	ND(0.16) J	ND(0.17) J	ND(0.17) J	ND(0.16) J	ND(0.16) J	ND(0.17)	ND(0.16)	0.028 J
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17) J	ND(0.17)	NS	ND(0.16)	ND(0.16) J	ND(0.17) J	ND(0.17) J	ND(0.16) J	ND(0.16) J	ND(0.17)	ND(0.16)	ND(0.15)
1,2-Dibromoethane (EDB)	ND(0.17)	ND(0.17)	NS	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.15)
1,2-Dichlorobenzene	ND(0.080)	ND(0.081)	NS	ND(0.077)	ND(0.076)	ND(0.080)	ND(0.078)	ND(0.075)	ND(0.076)	ND(0.078)	ND(0.074)	ND(0.072)
1,2-Dichloroethane	ND(0.040)	ND(0.040)	NS	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.036)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.040)	ND(0.040)	NS	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.036)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.080)	ND(0.081)	NS	ND(0.077)	ND(0.076)	ND(0.080)	ND(0.078)	ND(0.075)	ND(0.076)	ND(0.078)	ND(0.074)	ND(0.072)
1,4-Dichlorobenzene	ND(0.080)	ND(0.081)	NS	ND(0.077)	ND(0.076)	ND(0.080)	ND(0.078)	ND(0.075)	ND(0.076)	ND(0.078)	ND(0.074)	ND(0.072)
2-Butanone	ND(0.29)	ND(0.29)	NS	ND(0.27)	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.27)	ND(0.27)	0.27 J	ND(0.27)	ND(0.26)
2-Hexanone	ND(0.29)	ND(0.29)	NS	ND(0.27)	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.27)	ND(0.27)	ND(0.28)	ND(0.27)	ND(0.26)
4-Methyl-2-pentanone	ND(0.29)	ND(0.29)	NS	ND(0.27)	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.27)	ND(0.27)	ND(0.28)	ND(0.27)	ND(0.26)
Acetone	ND(0.29)	ND(0.29) J	NS	ND(0.27) J	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.27)	ND(0.27)	0.35 J	ND(0.27) J	ND(0.26) J
Benzene	ND(0.040)	ND(0.040)	NS	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.038)	0.062	0.26	ND(0.037)	0.030 J
Benzene, isopropyl	ND(0.17)	ND(0.17)	NS	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	0.033 J	0.25	ND(0.16)	ND(0.15)
Bromodichloromethane	ND(0.080)	ND(0.081)	NS	ND(0.077)	ND(0.076)	ND(0.080)	ND(0.078)	ND(0.075)	ND(0.076)	ND(0.078)	ND(0.074)	ND(0.072)
Bromoform	ND(0.080)	ND(0.081)	NS	ND(0.077)	ND(0.076)	ND(0.080)	ND(0.078)	ND(0.075)	ND(0.076)	ND(0.078)	ND(0.074)	ND(0.072)
Bromomethane	ND(0.17)	ND(0.17)	NS	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.15)
Carbon disulfide	ND(0.17)	ND(0.17)	NS	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.15)
Carbon tetrachloride	ND(0.040)	ND(0.040)	NS	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.036)
Chlorobenzene	ND(0.040)	ND(0.040)	NS	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.036)
Chloroethane	ND(0.17)	ND(0.17) J	NS	ND(0.16) J	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.15)
Chloroform	ND(0.040)	ND(0.040)	NS	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.036)
Chloromethane	ND(0.17)	ND(0.17)	NS	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.15)
cis-1,2-Dichloroethene	0.085	ND(0.040)	NS	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.036)
cis-1,3-Dichloropropene	ND(0.040)	ND(0.040)	NS	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.036)
Cyclohexane	ND(0.17)	ND(0.17) J	NS	ND(0.16) J	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)	1.3	ND(0.16)	0.060 J
Dibromochloromethane	ND(0.080)	ND(0.081)	NS	ND(0.077)	ND(0.076)	ND(0.080)	ND(0.078)	ND(0.075)	ND(0.076)	ND(0.078)	ND(0.074)	ND(0.072)
Dichlorodifluoromethane (CFC-12)	ND(0.080)	ND(0.081)	NS	ND(0.077)	ND(0.076)	ND(0.080)	ND(0.078)	ND(0.075)	ND(0.076)	ND(0.078)	ND(0.074)	ND(0.072)
Ethylbenzene	ND(0.040)	ND(0.040)	NS	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.038)	0.057	0.34	ND(0.037)	ND(0.036)
m&p-Xylene	0.041 J	0.050 J	NS	0.028 J	ND(0.076)	ND(0.080)	ND(0.078)	ND(0.075)	0.2	1.1	0.050 J	0.085

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-81-11	RFI-81-13	RFI-81-13	RFI-81-13	RFI-81-14	RFI-81-15	RFI-81-16	RFI-81-17	RFI-81-18	RFI-81-19	RFI-81-20	RFI-81-20
Sample Depth(feet):	4-6	0-2	10-12	6-8	0-2	0-2	0-2	0-2	0-2	0-2	1-3	3-5
Date Collected:	06/20/01	08/27/01	08/27/01	08/27/01	06/18/01	06/18/01	06/18/01	06/18/01	06/18/01	09/17/01	08/04/01	08/04/01
Methyl acetate	0.044 J	0.11 J	NS	ND(0.16)	0.054 J	0.049 J	0.063 J	ND(0.16)	ND(0.16)	ND(0.17)	0.11 J	0.24
Methyl Tert Butyl Ether	ND(0.29)	ND(0.29)	NS	ND(0.27)	ND(0.27)	ND(0.28)	ND(0.28)	ND(0.27)	ND(0.27)	ND(0.28)	ND(0.27)	ND(0.26)
Methylcyclohexane	ND(0.17)	0.13 J	NS	0.050 J	ND(0.16)	ND(0.17)	ND(0.17)	0.043 J	0.29	3.8	0.13 J	0.094 J
Methylene chloride	0.16 J	ND(0.17)	NS	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)	0.048 J	0.12 J	ND(0.15)
o-Xylene	ND(0.040)	0.036 J	NS	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.038)	0.15	0.91	0.031 J	0.052
Styrene	ND(0.040)	ND(0.040)	NS	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.036)
Tetrachloroethene	ND(0.040)	ND(0.040)	NS	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.036)
Toluene	ND(0.040)	0.029 J	NS	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.038)	0.23	1.1	0.032 J	0.1
trans-1,2-Dichloroethene	ND(0.040)	ND(0.040)	NS	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.036)
trans-1,3-Dichloropropene	ND(0.040)	ND(0.040)	NS	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.036)
Trichloroethene	0.066	ND(0.040)	NS	0.094	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.036)
Trichlorofluoromethane (CFC-11)	ND(0.080)	ND(0.081)	NS	ND(0.077)	ND(0.076)	ND(0.080)	ND(0.078)	ND(0.075)	ND(0.076)	ND(0.078)	ND(0.074)	ND(0.072)
Trifluorotrichloroethane (Freon 113)	ND(0.17)	ND(0.17)	NS	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.15)
Vinyl chloride	0.029 J(RSVIA)	ND(0.040)	NS	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.036)
Xylenes (total)	0.041	0.086	NS	0.028	ND(0.076)	ND(0.080)	ND(0.078)	ND(0.075)	0.35	2	0.081	0.14
Semivolatiles												
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
2,4,6-Trichlorophenol	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
2,4-Dichlorophenol	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
2,4-Dimethylphenol	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	0.15 J	0.15 J	0.14 J	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
2,4-Dinitrophenol	ND(0.77)	ND(0.79)	ND(0.74)	ND(0.75)	ND(0.74)	ND(0.77)	ND(0.75)	ND(0.72)	ND(0.73)	ND(0.74) J	ND(0.72) J	ND(0.70) J
2,4-Dinitrotoluene	ND(0.77)	ND(0.79)	ND(0.74)	ND(0.75)	ND(0.74)	ND(0.77)	ND(0.75)	ND(0.72)	ND(0.73)	ND(0.74)	ND(0.72)	ND(0.70)
2,6-Dinitrotoluene	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
2-Chloronaphthalene	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
2-Chlorophenol	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
2-Methyl naphthalene	3.8 J	0.24 J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	0.2	ND(0.19)	ND(0.18)	ND(0.18)
2-Methylphenol	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
2-Nitroaniline	ND(0.77)	ND(0.79)	ND(0.74)	ND(0.75)	ND(0.74)	ND(0.77)	ND(0.75)	ND(0.72)	ND(0.73)	ND(0.74)	ND(0.72)	ND(0.70)
2-Nitrophenol	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
3&4-Methylphenol	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.39)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.38) J	ND(0.36) J	ND(0.36) J
3,3-Dichlorobenzidine	ND(0.77) J	ND(0.79) J	ND(0.74) J	ND(0.75)	ND(0.74)	ND(0.77) J	ND(0.75) J	ND(0.72) J	ND(0.73)	ND(0.74)	ND(0.72)	ND(0.70)
3-Nitroaniline	ND(0.77)	ND(0.79)	ND(0.74)	ND(0.75)	ND(0.74)	ND(0.77)	ND(0.75)	ND(0.72)	ND(0.73)	ND(0.74)	ND(0.72)	ND(0.70)
4,6-Dinitro-2-methylphenol	ND(0.77)	ND(0.79)	ND(0.74)	ND(0.75)	ND(0.74)	0.43 J	0.42 J	ND(0.72)	ND(0.73)	ND(0.74)	ND(0.72)	ND(0.70)
4-Bromophenyl phenyl ether	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
4-Chloro-3-methylphenol	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-81-11	RFI-81-13	RFI-81-13	RFI-81-13	RFI-81-14	RFI-81-15	RFI-81-16	RFI-81-17	RFI-81-18	RFI-81-19	RFI-81-20	RFI-81-20
Sample Depth(feet):	4-6	0-2	10-12	6-8	0-2	0-2	0-2	0-2	0-2	0-2	1-3	3-5
Date Collected:	06/20/01	08/27/01	08/27/01	08/27/01	06/18/01	06/18/01	06/18/01	06/18/01	06/18/01	09/17/01	08/04/01	08/04/01
4-Chloroaniline	ND(0.77)	ND(0.79)	ND(0.74)	ND(0.75)	ND(0.74)	ND(0.77)	ND(0.75)	ND(0.72)	ND(0.73)	ND(0.74)	ND(0.72)	ND(0.70)
4-Chlorophenyl phenyl ether	ND(0.77)	ND(0.79)	ND(0.74)	ND(0.75)	ND(0.74)	ND(0.77)	ND(0.75)	ND(0.72)	ND(0.73)	0.74 R	ND(0.72)	ND(0.70)
4-Nitroaniline	ND(0.77)	ND(0.79)	ND(0.74)	ND(0.75)	ND(0.74)	ND(0.77)	ND(0.75)	ND(0.72)	ND(0.73)	ND(0.74)	ND(0.72)	ND(0.70)
4-Nitrophenol	ND(0.77)	ND(0.79)	ND(0.74)	ND(0.75)	ND(0.74)	ND(0.77)	ND(0.75)	ND(0.72)	ND(0.73)	ND(0.74)	ND(0.72) J	ND(0.70) J
Acenaphthene	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	0.18 J	ND(0.18)
Acenaphthylene	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	0.043 J	ND(0.19)	ND(0.18)	ND(0.18)
Acetophenone	0.37	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
Anthracene	0.62	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	0.072 J	ND(0.19)	0.44 J	0.055 J
Atrazine	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) J	ND(0.18) J
Benzaldehyde	ND(0.20) J	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	0.14 J	ND(0.19)	ND(0.18) J	ND(0.18) J
Benzo(a)anthracene	0.28 J	0.094 J	0.080 J	0.084 J	0.042 J	ND(0.20)	ND(0.19)	ND(0.18)	0.10 J	ND(0.19)	0.96 J	0.26 J
Benzo(a)pyrene	0.19 J	0.12 J	0.082 J	0.061 J	0.038 J	ND(0.20)	ND(0.19)	ND(0.18)	0.13 J	ND(0.19) J	0.81 J	0.28 J
Benzo(b)fluoranthene	0.30 J	0.12 J	0.070 J	0.10 J	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	0.13 J	ND(0.19) J	0.80 J	0.28 J
Benzo(g,h,i)perylene	0.15 J	0.098 J	0.11 J	ND(0.19) J	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	0.15 J	ND(0.19) J	0.40 J	0.18 J
Benzo(k)fluoranthene	0.16 J	0.10 J	0.071 J	0.066 J	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	0.11 J	ND(0.19) J	1.1 J	0.32 J
Biphenyl	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18) J	ND(0.18) J
bis(2-Chloroethoxy)methane	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
bis(2-Chloroethyl)ether	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.035)	ND(0.044)	ND(0.037)	ND(0.035)	ND(0.035)
bis(2-Chloroisopropyl)ether	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
bis(2-Ethylhexyl)phthalate	ND(0.20)	0.078 J	0.53 J	0.12 J	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	0.068 J	ND(0.18)
Butyl benzylphthalate	ND(0.20)	0.095 J	ND(0.19) J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	0.11 J	ND(0.19)	ND(0.18)	ND(0.18)
Caprolactam	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
Carbazole	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	0.21	ND(0.18)
Chrysene	0.32 J	0.14 J	0.084 J	0.091 J	0.050 J	ND(0.20)	ND(0.19)	ND(0.18)	0.14 J	ND(0.19)	0.99 J	0.29 J
Di-n-butylphthalate	ND(0.20)	0.065 J	0.056 J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	0.17 J	0.61 J
Di-n-octyl phthalate	ND(0.20)	ND(0.20) J	ND(0.19) J	ND(0.19) J	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19) J	ND(0.18) J	ND(0.18) J
Dibenzo(a,h)anthracene	ND(0.20)	ND(0.20) J	ND(0.19) J	ND(0.19) J	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	0.051 J	ND(0.19) J	ND(0.18) J	ND(0.18) J
Dibenzofuran	1.4	0.068 J	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	0.065 J	ND(0.19)	0.11 J	ND(0.18)
Diethyl phthalate	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
Dimethyl phthalate	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
Fluoranthene	1.6 J	0.15 J	0.11 J	0.13 J	0.075 J	0.053 J	0.043 J	ND(0.18)	0.19 J	ND(0.19)	2.0 J	0.47 J
Fluorene	3.1 J	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	0.19 J	ND(0.18)
Hexachlorobenzene	ND(0.20) J	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
Hexachlorobutadiene	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
Hexachlorocyclopentadiene	ND(0.20) J	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
Hexachloroethane	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
Indeno(1,2,3-cd)pyrene	0.13 J	0.075 J	0.18 J	ND(0.19) J	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	0.12 J	ND(0.19) J	0.39 J	0.16 J
Isophorone	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
Methylphenols, Total	ND(0.39)	ND(0.40)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.39)	ND(0.38)	ND(0.36)	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.36)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-81-11	RFI-81-13	RFI-81-13	RFI-81-13	RFI-81-14	RFI-81-15	RFI-81-16	RFI-81-17	RFI-81-18	RFI-81-19	RFI-81-20	RFI-81-20
Sample Depth(feet):	4-6	0-2	10-12	6-8	0-2	0-2	0-2	0-2	0-2	0-2	1-3	3-5
Date Collected:	06/20/01	08/27/01	08/27/01	08/27/01	06/18/01	06/18/01	06/18/01	06/18/01	06/18/01	09/17/01	08/04/01	08/04/01
N-Nitrosodi-n-propylamine	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
N-Nitrosodiphenylamine	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
Naphthalene	1.5	0.15 J	0.055 J	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	0.084 J	ND(0.18)
Nitrobenzene	ND(0.077)	ND(0.079)	ND(0.074)	ND(0.075)	ND(0.074)	ND(0.077)	ND(0.075)	ND(0.072)	ND(0.073)	ND(0.074)	ND(0.072)	ND(0.070)
Pentachlorophenol	ND(0.77)	ND(0.79)	ND(0.74)	ND(0.75)	ND(0.74)	ND(0.77)	ND(0.75)	ND(0.72)	ND(0.73)	ND(0.74)	ND(0.72)	ND(0.70)
Phenanthrene	15 DJ	0.26	0.14 J	0.10 J	0.049 J	ND(0.20)	ND(0.19)	ND(0.18)	0.22 J	ND(0.19)	1.8 J	0.25 J
Phenol	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.18)
Pyrene	1.6 J	0.22 J	0.16 J	0.19 J	0.085 J	0.049 J	0.044 J	0.040 J	0.23 J	ND(0.19)	2.3 J	0.52 J
Inorganics												
Antimony	0.15 J	ND(0.25)	ND(0.22)	ND(0.23)	0.11 J	0.24 R	0.20 J	0.23 R	0.22 R	0.19 J	ND(2.7)	ND(0.23)
Arsenic	3.7	56(RDC)	ND(5.5)	ND(4.0)	3.5	4.7	7	6.7	7.2	12 J(RDC)	9.2(RDC)	2.8
Barium	20	36	40	40	46 J	45 J	52 J	26 J	56 J	62 J	560	66
Beryllium	0.17	0.13	0.2	0.19	11	0.3	0.46	0.11	0.24	0.35 J	0.25	0.54
Cadmium	0.11	0.36	0.17	0.19	0.21	0.21	0.32	0.13	0.45	0.50 J	2.1	0.11
Chromium	5.7	270 (RPSIC,IPSIC)	12	9.3	11	11	17	5.2	21	9.8 J	160	63
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	2	15	3.7	3.1	4.2	4.4	5.8	4.1	4.9	1.2 J	43	4.7
Copper	10 J	220	22	21	8.2 J	7.2 J	12 J	11 J	44 J	13 J	990	28
Cyanide (total)	0.064 J	0.086 J	ND(0.20)	ND(0.20)	0.098 J	0.089 J	0.076 J	0.046 J	0.2	0.046 J	0.18 J	ND(0.20)
Lead	21 J	27	36	42	19 J	22 J	17 J	13 J	63 J	37 J	3,100(RDC,IDC)	94
Manganese	73	1100	240	250	270 J	320 J	420 J	370 J	370 J	54 J	750	1,800(IPSIC)
Mercury	0.030 J	0.061 J	0.11	0.063 J	0.057 J	ND(0.077)	0.021 J	ND(0.071)	0.081	0.095	0.27	0.054 J
Nickel	6.1	110	10	10	9.7	9.1	14	13	23	7.9 J	73	14
Selenium	0.85	0.43	ND(0.090)	0.16	0.13	0.28	0.3	0.18	0.47	1.3 J	0.34	0.44
Silver	0.028 J	0.31	0.12 J	0.13 J	0.11 J	0.035 J	0.14 J	0.057 J	0.10 J	0.058 J	0.53	0.088 J
Thallium	0.067 J	0.083 J	0.091 J	0.066 J	0.11 J	0.098 J	0.13 J	0.10 J	0.12 J	0.59 J	0.098 J	0.054 J
Vanadium	6.8	30	12	8.9	17	18	25	7.7	13	10 J	43	18
Zinc	28	42	41	45	42	42	54	31	69	35 J	1500	30
PCBs												
Aroclor-1016	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.037)
Aroclor-1221	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.037)
Aroclor-1232	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.037)
Aroclor-1242	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.037)
Aroclor-1248	ND(0.040)	0.026 J	0.046	0.026 J	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.037)
Aroclor-1254	ND(0.040)	0.076	0.096	0.036 J	ND(0.039)	ND(0.040)	ND(0.039)	0.36	0.74	0.2	ND(0.037)	ND(0.037)
Aroclor-1260	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.040)	ND(0.039)	0.073	0.21	0.054	ND(0.037)	ND(0.037)
Total PCBs	ND(0.040)	0.1	0.14	0.062	ND(0.039)	ND(0.040)	ND(0.039)	0.43	0.95	0.25	ND(0.037)	ND(0.037)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-81-20	RFI-81-21	RFI-81-21	RFI-81-22	RFI-81-23	RFI-81-25	RFI-81-25	RFI-81-28	RFI-81-30	RFI-81-30	RFI-81-32	RFI-81-32	RFI-81-33
Sample Depth(feet):	7-9	0-2	8-10	0-2	0.9-1.7	0.8-2.8	8-10	0.5-2.5	1.2-3.2	3.2-5.2	1-3	3-5	0-2
Date Collected:	08/04/01	09/17/01	09/17/01	06/21/01	09/07/01	12/03/01	12/03/01	12/11/01	12/13/01	12/13/01	12/13/01	12/13/01	01/18/02
Volatiles													
1,1,1-Trichloroethane	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
1,1,2,2-Tetrachloroethane	ND(0.087)	ND(0.081)	ND(0.076)	ND(0.077)	ND(0.081)	NS	NS	NS	NS	NS	NS	NS	ND(0.076)
1,1,2-Trichloroethane	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
1,1-Dichloroethane	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
1,1-Dichloroethene	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
1,2,4-Trichlorobenzene	ND(0.19)	ND(0.17)	ND(0.16)	ND(0.16) J	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.19)	ND(0.17)	ND(0.16)	ND(0.16) J	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
1,2-Dibromoethane (EDB)	ND(0.19)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
1,2-Dichlorobenzene	ND(0.087)	ND(0.081)	ND(0.076)	ND(0.077)	ND(0.081)	NS	NS	NS	NS	NS	NS	NS	ND(0.076)
1,2-Dichloroethane	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.087)	ND(0.081)	ND(0.076)	ND(0.077)	ND(0.081)	NS	NS	NS	NS	NS	NS	NS	ND(0.076)
1,4-Dichlorobenzene	ND(0.087)	ND(0.081)	ND(0.076)	ND(0.077)	ND(0.081)	NS	NS	NS	NS	NS	NS	NS	ND(0.076)
2-Butanone	ND(0.31)	ND(0.29) J	ND(0.27) J	0.5	ND(0.29)	NS	NS	NS	NS	NS	NS	NS	0.24 J
2-Hexanone	ND(0.31)	ND(0.29)	ND(0.27)	ND(0.27)	ND(0.29)	NS	NS	NS	NS	NS	NS	NS	ND(0.27)
4-Methyl-2-pentanone	ND(0.31)	ND(0.29)	ND(0.27)	ND(0.27)	ND(0.29)	NS	NS	NS	NS	NS	NS	NS	ND(0.27)
Acetone	ND(0.31) J	ND(0.29) J	ND(0.27) J	1.7	ND(0.29)	NS	NS	NS	NS	NS	NS	NS	0.73
Benzene	ND(0.044)	ND(0.041)	ND(0.038)	0.56	0.062	NS	NS	NS	NS	NS	NS	NS	0.19
Benzene, isopropyl	ND(0.19)	ND(0.17)	ND(0.16)	1.2	0.045 J	NS	NS	NS	NS	NS	NS	NS	0.15 J
Bromodichloromethane	ND(0.087)	ND(0.081)	ND(0.076)	ND(0.077)	ND(0.081)	NS	NS	NS	NS	NS	NS	NS	ND(0.076)
Bromoform	ND(0.087)	ND(0.081)	ND(0.076)	ND(0.077)	ND(0.081)	NS	NS	NS	NS	NS	NS	NS	ND(0.076)
Bromomethane	ND(0.19)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
Carbon disulfide	ND(0.19)	ND(0.17)	ND(0.16)	0.039 J	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
Carbon tetrachloride	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Chlorobenzene	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Chloroethane	ND(0.19)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
Chloroform	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Chloromethane	ND(0.19)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
cis-1,2-Dichloroethene	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.038)	0.99	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
cis-1,3-Dichloropropene	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Cyclohexane	ND(0.19) J	ND(0.17)	ND(0.16)	3.8	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	1
Dibromochloromethane	ND(0.087)	ND(0.081)	ND(0.076)	ND(0.077)	ND(0.081)	NS	NS	NS	NS	NS	NS	NS	ND(0.076)
Dichlorodifluoromethane (CFC-12)	ND(0.087)	ND(0.081)	ND(0.076)	ND(0.077)	ND(0.081)	NS	NS	NS	NS	NS	NS	NS	ND(0.076)
Ethylbenzene	ND(0.044)	ND(0.041)	ND(0.038)	1.3	0.066	NS	NS	NS	NS	NS	NS	NS	0.41
m&p-Xylene	ND(0.087)	ND(0.081)	ND(0.076)	4.8	ND(0.081)	NS	NS	NS	NS	NS	NS	NS	1.7

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-81-20	RFI-81-21	RFI-81-21	RFI-81-22	RFI-81-23	RFI-81-25	RFI-81-25	RFI-81-28	RFI-81-30	RFI-81-30	RFI-81-32	RFI-81-32	RFI-81-33
Sample Depth(feet):	7-9	0-2	8-10	0-2	0.9-1.7	0.8-2.8	8-10	0.5-2.5	1.2-3.2	3.2-5.2	1-3	3-5	0-2
Date Collected:	08/04/01	09/17/01	09/17/01	06/21/01	09/07/01	12/03/01	12/03/01	12/11/01	12/13/01	12/13/01	12/13/01	12/13/01	01/18/02
Methyl acetate	0.049 J	0.067 J	ND(0.16)	ND(0.16)	0.054 J	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
Methyl Tert Butyl Ether	ND(0.31)	ND(0.29)	ND(0.27)	ND(0.27)	ND(0.29)	NS	NS	NS	NS	NS	NS	NS	ND(0.27)
Methylcyclohexane	0.037 J	0.052 J	ND(0.16)	11 D	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	4.3
Methylene chloride	ND(0.19)	0.045 J	0.037 J	ND(0.16) J	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
o-Xylene	ND(0.044)	ND(0.041)	ND(0.038)	4.3	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	1.4
Styrene	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Tetrachloroethene	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Toluene	ND(0.044)	ND(0.041)	ND(0.038)	4.4	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	1.2
trans-1,2-Dichloroethene	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
trans-1,3-Dichloropropene	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Trichloroethene	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.038)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Trichlorofluoromethane (CFC-11)	ND(0.087)	ND(0.081)	ND(0.076)	ND(0.077)	ND(0.081)	NS	NS	NS	NS	NS	NS	NS	ND(0.076)
Trifluorotrichloroethane (Freon 113)	ND(0.19)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	NS	NS	NS	NS	NS	NS	NS	ND(0.16)
Vinyl chloride	ND(0.044)	ND(0.041)	ND(0.038)	ND(0.038)	0.029 J(RSVIA)	NS	NS	NS	NS	NS	NS	NS	ND(0.038)
Xylenes (total)	ND(0.087)	ND(0.081)	ND(0.076)	9.1	ND(0.081)	NS	NS	NS	NS	NS	NS	NS	3.1
Semivolatiles													
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95) J	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
2,4,6-Trichlorophenol	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
2,4-Dichlorophenol	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
2,4-Dimethylphenol	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
2,4-Dinitrophenol	ND(0.86)	ND(0.77) J	ND(0.73)	ND(3.8)	ND(0.76)	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
2,4-Dinitrotoluene	ND(0.86)	ND(0.77)	ND(0.73)	ND(3.8)	ND(0.76)	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
2,6-Dinitrotoluene	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
2-Chloronaphthalene	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
2-Chlorophenol	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
2-Methyl naphthalene	ND(0.22)	1.3	ND(0.18)	0.55 J	0.93	NS	NS	NS	NS	NS	NS	NS	2.4
2-Methylphenol	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
2-Nitroaniline	ND(0.86)	ND(0.77)	ND(0.73)	ND(3.8)	ND(0.76)	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
2-Nitrophenol	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
3&4-Methylphenol	ND(0.43) J	ND(0.39) J	ND(0.37) J	ND(1.9)	ND(0.39) J	NS	NS	NS	NS	NS	NS	NS	ND(0.36)
3,3-Dichlorobenzidine	ND(0.86)	ND(0.77)	ND(0.73)	ND(3.8) J	ND(0.76) J	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
3-Nitroaniline	ND(0.86)	ND(0.77)	ND(0.73)	ND(3.8)	ND(0.76)	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
4,6-Dinitro-2-methylphenol	ND(0.86)	ND(0.77)	ND(0.73)	ND(3.8)	ND(0.76)	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
4-Bromophenyl phenyl ether	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
4-Chloro-3-methylphenol	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-81-20	RFI-81-21	RFI-81-21	RFI-81-22	RFI-81-23	RFI-81-25	RFI-81-25	RFI-81-28	RFI-81-30	RFI-81-30	RFI-81-32	RFI-81-32	RFI-81-33
Sample Depth(feet):	7-9	0-2	8-10	0-2	0.9-1.7	0.8-2.8	8-10	0.5-2.5	1.2-3.2	3.2-5.2	1-3	3-5	0-2
Date Collected:	08/04/01	09/17/01	09/17/01	06/21/01	09/07/01	12/03/01	12/03/01	12/11/01	12/13/01	12/13/01	12/13/01	12/13/01	01/18/02
4-Chloroaniline	ND(0.86)	ND(0.77)	ND(0.73)	ND(3.8)	ND(0.76)	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
4-Chlorophenyl phenyl ether	ND(0.86)	0.77 R	ND(0.73)	ND(3.8)	ND(0.76) J	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
4-Nitroaniline	ND(0.86)	ND(0.77)	ND(0.73)	ND(3.8)	ND(0.76)	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
4-Nitrophenol	ND(0.86)	ND(0.77)	ND(0.73)	ND(3.8)	ND(0.76)	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
Acenaphthene	0.052 J	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Acenaphthylene	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Acetophenone	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Anthracene	0.11 J	0.066 J	ND(0.18)	ND(0.95)	0.10 J	NS	NS	NS	NS	NS	NS	NS	0.072 J
Atrazine	ND(0.22) J	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Benzaldehyde	ND(0.22) J	ND(0.20)	ND(0.18)	ND(0.95) J	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Benzo(a)anthracene	0.20 J	0.21	ND(0.18)	ND(0.95)	0.069 J	NS	NS	NS	NS	NS	NS	NS	0.16 J
Benzo(a)pyrene	0.12 J	0.12 J	ND(0.18)	ND(0.95)	0.057 J	NS	NS	NS	NS	NS	NS	NS	0.17 J
Benzo(b)fluoranthene	0.20 J	0.12 J	ND(0.18)	ND(0.95)	0.073 J	NS	NS	NS	NS	NS	NS	NS	0.18 J
Benzo(g,h,i)perylene	ND(0.22)	0.058 J	ND(0.18)	ND(0.95) J	ND(0.19) J	NS	NS	NS	NS	NS	NS	NS	0.14 J
Benzo(k)fluoranthene	0.13 J	0.090 J	ND(0.18)	ND(0.95)	0.070 J	NS	NS	NS	NS	NS	NS	NS	0.11 J
Biphenyl	ND(0.22) J	0.18 J	ND(0.18)	ND(0.95) J	0.13 J	NS	NS	NS	NS	NS	NS	NS	0.21
bis(2-Chloroethoxy)methane	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
bis(2-Chloroethyl)ether	ND(0.042)	ND(0.038)	ND(0.036)	ND(0.18)	ND(0.038)	NS	NS	NS	NS	NS	NS	NS	ND(0.035)
bis(2-Chloroisopropyl)ether	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
bis(2-Ethylhexyl)phthalate	ND(0.22)	ND(0.20)	0.25	ND(0.95)	ND(0.19) J	NS	NS	NS	NS	NS	NS	NS	0.051 J
Butyl benzylphthalate	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19) J	NS	NS	NS	NS	NS	NS	NS	0.043 J
Caprolactam	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Carbazole	0.053 J	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	0.052 J
Chrysene	0.23 J	0.3	ND(0.18)	0.26 J	0.098 J	NS	NS	NS	NS	NS	NS	NS	0.18 J
Di-n-butylphthalate	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Di-n-octyl phthalate	ND(0.22)	ND(0.20) J	ND(0.18)	ND(0.95)	ND(0.19) J	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Dibenzo(a,h)anthracene	ND(0.22)	ND(0.20) J	ND(0.18)	ND(0.95) J	ND(0.19) J	NS	NS	NS	NS	NS	NS	NS	0.041 J
Dibenzofuran	0.044 J	0.47	ND(0.18)	0.22 J	0.17 J	NS	NS	NS	NS	NS	NS	NS	0.43
Diethyl phthalate	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Dimethyl phthalate	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Fluoranthene	0.51 J	0.19 J	ND(0.18)	ND(0.95)	0.3	NS	NS	NS	NS	NS	NS	NS	0.25
Fluorene	0.060 J	0.059 J	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	0.096 J
Hexachlorobenzene	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95) J	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Hexachlorobutadiene	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Hexachlorocyclopentadiene	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95) J	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Hexachloroethane	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Indeno(1,2,3-cd)pyrene	ND(0.22)	0.036 J	ND(0.18)	ND(0.95) J	ND(0.19) J	NS	NS	NS	NS	NS	NS	NS	0.063 J
Isophorone	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Methylphenols, Total	ND(0.43)	ND(0.39)	ND(0.37)	ND(1.9)	ND(0.39)	NS	NS	NS	NS	NS	NS	NS	ND(0.36)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-81-20	RFI-81-21	RFI-81-21	RFI-81-22	RFI-81-23	RFI-81-25	RFI-81-25	RFI-81-28	RFI-81-30	RFI-81-30	RFI-81-32	RFI-81-32	RFI-81-33
Sample Depth(feet):	7-9	0-2	8-10	0-2	0.9-1.7	0.8-2.8	8-10	0.5-2.5	1.2-3.2	3.2-5.2	1-3	3-5	0-2
Date Collected:	08/04/01	09/17/01	09/17/01	06/21/01	09/07/01	12/03/01	12/03/01	12/11/01	12/13/01	12/13/01	12/13/01	12/13/01	01/18/02
N-Nitrosodi-n-propylamine	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
N-Nitrosodiphenylamine	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Naphthalene	0.076 J	1	ND(0.18)	ND(0.95)	0.16 J	NS	NS	NS	NS	NS	NS	NS	1.5
Nitrobenzene	ND(0.086)	ND(0.077)	ND(0.073)	ND(0.38)	ND(0.076)	NS	NS	NS	NS	NS	NS	NS	ND(0.072)
Pentachlorophenol	ND(0.86)	ND(0.77)	ND(0.73)	ND(3.8)	ND(0.76)	NS	NS	NS	NS	NS	NS	NS	ND(0.72)
Phenanthrene	0.49 J	1.2	ND(0.18)	0.52 J	0.58	NS	NS	NS	NS	NS	NS	NS	0.92
Phenol	ND(0.22)	ND(0.20)	ND(0.18)	ND(0.95)	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	ND(0.18)
Pyrene	0.41 J	0.34	ND(0.18)	0.25 J	0.48 J	NS	NS	NS	NS	NS	NS	NS	0.26
Inorganics													
Antimony	ND(0.32)	0.20 J	0.11 J	0.16 J	ND(0.19)	NS	NS	NS	NS	NS	NS	NS	0.10 J
Arsenic	3.6	22 J(RDC)	4.2 J	24(RDC)	3.7	NS	NS	NS	NS	NS	NS	NS	4.2
Barium	27	120 J	15 J	90	17	NS	NS	NS	NS	NS	NS	NS	90
Beryllium	0.2	0.40 J	0.077 J	0.62 J	0.17	NS	NS	NS	NS	NS	NS	NS	1.4
Cadmium	0.071	0.47 J	0.12 J	0.65 J	0.15	NS	NS	NS	NS	NS	NS	NS	0.41
Chromium	19	11 J	5.7 J	110 J	7.4	NS	NS	7.2	NS	NS	NS	NS	38
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	ND(0.020)	NS	NS	NS	NS	NS
Cobalt	3.1	2.1 J	3.2 J	5.5	4	NS	NS	NS	NS	NS	NS	NS	5
Copper	21	19 J	9.9 J	59	12	NS	NS	NS	NS	NS	NS	NS	38
Cyanide (total)	ND(0.20)	0.16 J	ND(0.20) J	0.70 J	ND(0.20)	NS	NS	NS	NS	NS	NS	NS	ND(0.20)
Lead	30	24 J	17 J	82	25	550(RDC)	110	NS	92	140	13	210	40
Manganese	450	21 J	170 J	350 J	180	NS	NS	NS	350	340	330	540	1000
Mercury	0.025 J	0.095	0.029 J	0.23	0.072 J	NS	NS	NS	NS	NS	NS	NS	0.028 J
Nickel	12	8.4 J	7.7 J	52	11	NS	NS	NS	NS	NS	NS	NS	15
Selenium	0.11 J	2.9 J	ND(0.094)	5.4 J	ND(0.077)	NS	NS	NS	NS	NS	NS	NS	2.2
Silver	0.20 J	0.099 J	0.044 J	ND(0.29)	0.051 J	NS	NS	NS	NS	NS	NS	NS	0.23
Thallium	0.088 J	1.1 J	0.059 J	0.34 J	0.071 J	NS	NS	NS	NS	NS	NS	NS	0.17 J
Vanadium	12	20 J	10 J	16	12	NS	NS	NS	NS	NS	NS	NS	18
Zinc	28	28 J	30 J	200	36	NS	NS	NS	NS	NS	NS	NS	66
PCBs													
Aroclor-1016	ND(0.045)	ND(0.040)	ND(0.038)	ND(0.39)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.037)
Aroclor-1221	ND(0.045)	ND(0.040)	ND(0.038)	ND(0.39)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.037)
Aroclor-1232	ND(0.045)	ND(0.040)	ND(0.038)	ND(0.39)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.037)
Aroclor-1242	ND(0.045)	ND(0.040)	ND(0.038)	ND(0.39)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.037)
Aroclor-1248	ND(0.045)	ND(0.040)	ND(0.038)	ND(0.39)	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.037)
Aroclor-1254	ND(0.045)	0.13	ND(0.038)	4.1	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.037)
Aroclor-1260	ND(0.045)	0.040 J	ND(0.038)	0.88	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.037)
Total PCBs	ND(0.045)	0.17	ND(0.038)	5	ND(0.040)	NS	NS	NS	NS	NS	NS	NS	ND(0.037)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-81-33	RFI-81-33	RFI-81-35	RFI-81-35	RFI-81-35	RFI-83/84-01	RFI-83/84-02	RFI-83/84-02	RFI-83/84-03	RFI-83/84-03
Sample Depth(feet):	10-12	8-10	0.8-2.8	12-14	8-10	2-3.7	2-4	4-6	0-2	10-12
Date Collected:	01/18/02	01/18/02	01/22/02	01/22/02	01/22/02	06/18/01	06/18/01	06/18/01	01/29/01	01/29/01
Volatiles										
1,1,1-Trichloroethane	ND(0.044)	ND(0.040)	ND(0.036)	ND(0.059)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.039) [ND(0.038)]
1,1,2,2-Tetrachloroethane	ND(0.088)	ND(0.080)	ND(0.073)	ND(0.12)	ND(0.075)	ND(0.082)	ND(0.078)	ND(0.080) [ND(0.080)]	ND(0.039)	ND(0.039) [ND(0.038)]
1,1,2-Trichloroethane	ND(0.044)	ND(0.040)	ND(0.036)	ND(0.059)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.039) [ND(0.038)]
1,1-Dichloroethane	ND(0.044)	ND(0.040)	ND(0.036)	ND(0.059)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	0.039	0.05 [0.058]
1,1-Dichloroethene	ND(0.044)	ND(0.040)	ND(0.036)	ND(0.059)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.039) [ND(0.038)]
1,2,4-Trichlorobenzene	ND(0.19)	ND(0.17)	ND(0.16)	ND(0.25)	ND(0.16)	ND(0.17) J	ND(0.17) J	ND(0.17) J [ND(0.17) J]	NS	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.19)	ND(0.17)	ND(0.16)	ND(0.25)	ND(0.16)	ND(0.17) J	ND(0.17) J	ND(0.17) J [ND(0.17) J]	NS	NS
1,2-Dibromoethane (EDB)	ND(0.19)	ND(0.17)	ND(0.16)	ND(0.25)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.17)]	NS	NS
1,2-Dichlorobenzene	ND(0.088)	ND(0.080)	ND(0.073)	ND(0.12)	ND(0.075)	ND(0.082)	ND(0.078)	ND(0.080) [ND(0.080)]	NS	NS
1,2-Dichloroethane	ND(0.044)	ND(0.040)	ND(0.036)	ND(0.059)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.039) [ND(0.038)]
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.078)	ND(0.077) [ND(0.077)]
1,2-Dichloropropane	ND(0.044)	ND(0.040)	ND(0.036)	ND(0.059)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.039) [ND(0.038)]
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.088)	ND(0.080)	ND(0.073)	ND(0.12)	ND(0.075)	ND(0.082)	ND(0.078)	ND(0.080) [ND(0.080)]	NS	NS
1,4-Dichlorobenzene	ND(0.088)	ND(0.080)	ND(0.073)	ND(0.12)	ND(0.075)	ND(0.082)	ND(0.078)	ND(0.080) [ND(0.080)]	NS	NS
2-Butanone	0.061 J	0.051 J	0.060 J	0.16 J	0.055 J	ND(0.29)	ND(0.28)	ND(0.29) [ND(0.29)]	ND(0.28)	ND(0.28) [ND(0.27)]
2-Hexanone	ND(0.31)	ND(0.28)	ND(0.26)	ND(0.42)	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.29) [ND(0.29)]	ND(0.17)	ND(0.17) [ND(0.16)]
4-Methyl-2-pentanone	ND(0.31)	ND(0.28)	ND(0.26)	ND(0.42)	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.29) [ND(0.29)]	ND(0.17)	ND(0.17) [ND(0.16)]
Acetone	ND(0.31)	0.069 J	ND(0.26)	0.43	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.29) [ND(0.29)]	ND(0.28)	ND(0.28) [ND(0.27)]
Benzene	ND(0.044)	ND(0.040)	ND(0.036)	ND(0.059)	ND(0.037)	1.1 J	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.039) [ND(0.038)]
Benzene, isopropyl	ND(0.19)	ND(0.17)	ND(0.16)	ND(0.25)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.17)]	NS	NS
Bromodichloromethane	ND(0.088)	ND(0.080)	ND(0.073)	ND(0.12)	ND(0.075)	ND(0.082)	ND(0.078)	ND(0.080) [ND(0.080)]	ND(0.039)	ND(0.039) [ND(0.038)]
Bromoform	ND(0.088)	ND(0.080)	ND(0.073)	ND(0.12)	ND(0.075)	ND(0.082)	ND(0.078)	ND(0.080) [ND(0.080)]	ND(0.039)	ND(0.039) [ND(0.038)]
Bromomethane	ND(0.19)	ND(0.17)	ND(0.16)	ND(0.25)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.17) J	ND(0.17) J [ND(0.16) J]
Carbon disulfide	ND(0.19)	ND(0.17)	ND(0.16)	ND(0.25)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.17)	ND(0.17) [ND(0.16)]
Carbon tetrachloride	ND(0.044)	ND(0.040)	ND(0.036)	ND(0.059)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.039) [ND(0.038)]
Chlorobenzene	ND(0.044)	ND(0.040)	ND(0.036)	ND(0.059)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.039) [ND(0.038)]
Chloroethane	ND(0.19)	ND(0.17)	ND(0.16)	ND(0.25)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.17)	ND(0.17) [ND(0.16)]
Chloroform	ND(0.044)	ND(0.040)	ND(0.036)	ND(0.059)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.039) [ND(0.038)]
Chloromethane	ND(0.19)	ND(0.17)	ND(0.16)	ND(0.25)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.17)	ND(0.17) [ND(0.16)]
cis-1,2-Dichloroethene	ND(0.044)	ND(0.040)	ND(0.036)	ND(0.059)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.039) [ND(0.038)]
cis-1,3-Dichloropropene	ND(0.044)	ND(0.040)	ND(0.036)	ND(0.059)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.039) [ND(0.038)]
Cyclohexane	ND(0.19)	ND(0.17)	0.031 J	ND(0.25)	0.089 J	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.17)]	NS	NS
Dibromochloromethane	ND(0.088)	ND(0.080)	ND(0.073)	ND(0.12)	ND(0.075)	ND(0.082)	ND(0.078)	ND(0.080) [ND(0.080)]	ND(0.039)	ND(0.039) [ND(0.038)]
Dichlorodifluoromethane (CFC-12)	ND(0.088)	ND(0.080)	ND(0.073)	ND(0.12)	ND(0.075)	ND(0.082)	ND(0.078)	ND(0.080) [ND(0.080)]	NS	NS
Ethylbenzene	ND(0.044)	ND(0.040)	ND(0.036)	ND(0.059)	ND(0.037)	0.43	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.039)	0.092 [0.093]
m&p-Xylene	ND(0.088)	0.042 J	0.036 J	ND(0.12)	0.071 J	0.71	ND(0.078)	ND(0.080) [ND(0.080)]	ND(0.078)	0.29 [0.30]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-81-33	RFI-81-33	RFI-81-35	RFI-81-35	RFI-81-35	RFI-83/84-01	RFI-83/84-02	RFI-83/84-02	RFI-83/84-03	RFI-83/84-03
Sample Depth(feet):	10-12	8-10	0.8-2.8	12-14	8-10	2-3.7	2-4	4-6	0-2	10-12
Date Collected:	01/18/02	01/18/02	01/22/02	01/22/02	01/22/02	06/18/01	06/18/01	06/18/01	01/29/01	01/29/01
Methyl acetate	ND(0.19)	0.059 J	ND(0.16)	0.37	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.17)]	NS	NS
Methyl Tert Butyl Ether	ND(0.31)	ND(0.28)	ND(0.26)	ND(0.42)	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.29) [ND(0.29)]	NS	NS
Methylcyclohexane	ND(0.19)	0.039 J	0.081 J	ND(0.25)	0.25	0.031 J	ND(0.17)	ND(0.17) [ND(0.17)]	NS	NS
Methylene chloride	ND(0.19)	ND(0.17)	ND(0.16)	ND(0.25)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.17)]	ND(0.17)	ND(0.17) [ND(0.16)]
o-Xylene	ND(0.044)	ND(0.040)	ND(0.036)	ND(0.059)	0.053	0.35	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.039)	0.11 [0.11]
Styrene	ND(0.044)	ND(0.040)	ND(0.036)	ND(0.059)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.039) [ND(0.038)]
Tetrachloroethene	ND(0.044)	ND(0.040)	ND(0.036)	ND(0.059)	0.041	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.039) [ND(0.038)]
Toluene	ND(0.044)	0.036 J	ND(0.036)	ND(0.059)	0.039	0.68	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.039)	0.31 [0.33]
trans-1,2-Dichloroethene	ND(0.044)	ND(0.040)	ND(0.036)	ND(0.059)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.039) [ND(0.038)]
trans-1,3-Dichloropropene	ND(0.044)	ND(0.040)	ND(0.036)	ND(0.059)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.039) [ND(0.038)]
Trichloroethene	ND(0.044)	ND(0.040)	ND(0.036)	ND(0.059)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.039)	0.061 [0.068]
Trichlorofluoromethane (CFC-11)	ND(0.088)	ND(0.080)	ND(0.073)	ND(0.12)	ND(0.075)	ND(0.082)	ND(0.078)	ND(0.080) [ND(0.080)]	NS	NS
Trifluorotrichloroethane (Freon 113)	ND(0.19)	ND(0.17)	ND(0.16)	ND(0.25)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17) [ND(0.17)]	NS	NS
Vinyl chloride	ND(0.044)	ND(0.040)	ND(0.036)	ND(0.059)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.040) [ND(0.040)]	ND(0.039)	ND(0.039) [ND(0.038)]
Xylenes (total)	ND(0.088)	0.042	0.036	ND(0.12)	0.12	1.1	ND(0.078)	ND(0.080) [ND(0.080)]	ND(0.078)	0.4 [0.41]
Semivolatiles										
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(5.0) [ND(0.97)]
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(5.0) [ND(0.97)]
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(5.0) [ND(0.97)]
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.18)	ND(5.0) [ND(0.97)]
2,4,5-Trichlorophenol	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
2,4,6-Trichlorophenol	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
2,4-Dichlorophenol	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
2,4-Dimethylphenol	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	0.15 J [0.17 J]	ND(0.18)	ND(5.0) [ND(0.97)]
2,4-Dinitrophenol	ND(0.84)	ND(0.75)	ND(0.70)	ND(1.1)	ND(0.72)	ND(0.77)	ND(0.76)	ND(0.77) [ND(0.78)]	ND(0.72)	ND(20) J [ND(3.8) J]
2,4-Dinitrotoluene	ND(0.84)	ND(0.75)	ND(0.70)	ND(1.1)	ND(0.72)	ND(0.77)	ND(0.76)	ND(0.77) [ND(0.78)]	ND(0.18)	ND(5.0) [ND(0.97)]
2,6-Dinitrotoluene	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
2-Chloronaphthalene	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
2-Chlorophenol	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
2-Methyl naphthalene	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
2-Methylphenol	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
2-Nitroaniline	ND(0.84)	ND(0.75)	ND(0.70)	ND(1.1)	ND(0.72)	ND(0.77)	ND(0.76)	ND(0.77) [ND(0.78)]	ND(0.72)	ND(20) [ND(3.8)]
2-Nitrophenol	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
3&4-Methylphenol	ND(0.43)	ND(0.38)	ND(0.36)	ND(0.58)	ND(0.37)	ND(0.39)	ND(0.38)	ND(0.39) [ND(0.39)]	ND(0.35)	ND(9.7) [ND(1.9)]
3,3-Dichlorobenzidine	ND(0.84)	ND(0.75)	ND(0.70)	ND(1.1)	ND(0.72)	ND(0.77) J	ND(0.76) J	ND(0.77) J [ND(0.78) J]	ND(0.72) J	ND(20) J [ND(3.8)]
3-Nitroaniline	ND(0.84)	ND(0.75)	ND(0.70)	ND(1.1)	ND(0.72)	ND(0.77)	ND(0.76)	ND(0.77) [ND(0.78)]	ND(0.72) J	ND(20) J [ND(3.8)]
4,6-Dinitro-2-methylphenol	ND(0.84)	ND(0.75)	ND(0.70)	ND(1.1)	ND(0.72)	ND(0.77)	ND(0.76)	ND(0.77) [ND(0.78)]	ND(0.72)	ND(20) J [ND(3.8) J]
4-Bromophenyl phenyl ether	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) J [ND(0.97) J]
4-Chloro-3-methylphenol	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-81-33	RFI-81-33	RFI-81-35	RFI-81-35	RFI-81-35	RFI-83/84-01	RFI-83/84-02	RFI-83/84-02	RFI-83/84-03	RFI-83/84-03
Sample Depth(feet):	10-12	8-10	0.8-2.8	12-14	8-10	2-3.7	2-4	4-6	0-2	10-12
Date Collected:	01/18/02	01/18/02	01/22/02	01/22/02	01/22/02	06/18/01	06/18/01	06/18/01	01/29/01	01/29/01
4-Chloroaniline	ND(0.84)	ND(0.75)	ND(0.70)	ND(1.1)	ND(0.72)	ND(0.77)	ND(0.76)	ND(0.77) [ND(0.78)]	ND(0.72) J	ND(20) J [ND(3.8) J]
4-Chlorophenyl phenyl ether	ND(0.84)	ND(0.75)	ND(0.70)	ND(1.1)	ND(0.72)	ND(0.77)	ND(0.76)	ND(0.77) [ND(0.78)]	ND(0.18) J	ND(5.0) J [ND(0.97) J]
4-Nitroaniline	ND(0.84)	ND(0.75)	ND(0.70)	ND(1.1)	ND(0.72)	ND(0.77)	ND(0.76)	ND(0.77) [ND(0.78)]	ND(0.72)	ND(20) [ND(3.8)]
4-Nitrophenol	ND(0.84)	ND(0.75)	ND(0.70)	ND(1.1)	ND(0.72)	ND(0.77)	ND(0.76)	ND(0.77) [ND(0.78)]	ND(0.72)	ND(20) [ND(3.8)]
Acenaphthene	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Acenaphthylene	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Acetophenone	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	0.069 J	ND(0.19)	ND(0.19) [ND(0.20)]	NS	NS
Anthracene	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Atrazine	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	NS	NS
Benzaldehyde	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	NS	NS
Benzo(a)anthracene	ND(0.21)	ND(0.19)	0.046 J	0.28 J	ND(0.18)	0.039 J	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Benzo(a)pyrene	ND(0.21)	ND(0.19)	0.048 J	0.16 J	ND(0.18)	0.041 J	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Benzo(b)fluoranthene	ND(0.21)	ND(0.19)	0.058 J	0.14 J	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) J [ND(0.97) J]
Benzo(g,h,i)perylene	ND(0.21)	ND(0.19)	ND(0.18)	0.086 J	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Benzo(k)fluoranthene	ND(0.21)	ND(0.19)	0.054 J	0.093 J	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Biphenyl	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	NS	NS
bis(2-Chloroethoxy)methane	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18) J	ND(5.0) J [ND(0.97) J]
bis(2-Chloroethyl)ether	ND(0.042)	ND(0.037)	ND(0.035)	ND(0.056)	ND(0.036)	ND(0.038)	ND(0.037)	ND(0.038) [ND(0.038)]	ND(0.18)	ND(5.0) [ND(0.97)]
bis(2-Chloroisopropyl)ether	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
bis(2-Ethylhexyl)phthalate	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.34)]	ND(0.18)	ND(5.0) [ND(0.97)]
Butyl benzylphthalate	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Caprolactam	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	NS	NS
Carbazole	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Chrysene	ND(0.21)	ND(0.19)	0.053 J	0.32	0.044 J	0.050 J	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Di-n-butylphthalate	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Di-n-octyl phthalate	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Dibenzo(a,h)anthracene	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Dibenzofuran	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Diethyl phthalate	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Dimethyl phthalate	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) J [ND(0.97)]
Fluoranthene	ND(0.21)	ND(0.19)	0.044 J	0.14 J	ND(0.18)	0.065 J	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18) J	ND(5.0) J [ND(0.97) J]
Fluorene	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Hexachlorobenzene	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [1.2 J]
Hexachlorobutadiene	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Hexachlorocyclopentadiene	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Hexachloroethane	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18) J	ND(5.0) [ND(0.97) J]
Indeno(1,2,3-cd)pyrene	ND(0.21)	ND(0.19)	0.033 J	0.056 J	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Isophorone	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	0.88 J	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Methylphenols, Total	ND(0.43)	ND(0.38)	ND(0.36)	ND(0.58)	ND(0.37)	ND(0.39)	ND(0.38)	ND(0.39) [ND(0.39)]	ND(0.35)	ND(9.7) [ND(1.9)]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-81-33	RFI-81-33	RFI-81-35	RFI-81-35	RFI-81-35	RFI-83/84-01	RFI-83/84-02	RFI-83/84-02	RFI-83/84-03	RFI-83/84-03
Sample Depth(feet):	10-12	8-10	0.8-2.8	12-14	8-10	2-3.7	2-4	4-6	0-2	10-12
Date Collected:	01/18/02	01/18/02	01/22/02	01/22/02	01/22/02	06/18/01	06/18/01	06/18/01	01/29/01	01/29/01
N-Nitrosodi-n-propylamine	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) J [ND(0.97)]
N-Nitrosodiphenylamine	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Naphthalene	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	0.064 J	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Nitrobenzene	ND(0.084)	ND(0.075)	ND(0.070)	ND(0.11)	ND(0.072)	ND(0.077)	ND(0.076)	ND(0.077) [ND(0.078)]	ND(0.18)	ND(5.0) [ND(0.97)]
Pentachlorophenol	ND(0.84)	ND(0.75)	ND(0.70)	ND(1.1)	ND(0.72)	ND(0.77)	ND(0.76)	ND(0.77) [ND(0.78)]	ND(0.18)	ND(5.0) [ND(0.97)]
Phenanthrene	ND(0.21)	ND(0.19)	ND(0.18)	0.11 J	0.082 J	0.066 J	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [3.0 J]
Phenol	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.29)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Pyrene	ND(0.21)	ND(0.19)	0.066 J	0.35	ND(0.18)	0.059 J	ND(0.19)	ND(0.19) [ND(0.20)]	ND(0.18)	ND(5.0) [ND(0.97)]
Inorganics										
Antimony	ND(0.17)	ND(0.75) ,D	0.13 J	0.19 J	0.27	0.29 R	0.25 R	0.26 R [0.26 R]	NS	NS
Arsenic	10(RDC)	6.7 D	3.6	8.0(RDC)	7.3	3.3	7.4	3.5 [4.3]	3.1 J	3.6 J [3.8 J]
Barium	110	57 D	19	83	61	35 J	61 J	21 J [20 J]	57 J	11 J [6.9 J]
Beryllium	0.85	0.57 D	2	2.3	6.3	1.1	0.5	0.21 [0.25]	NS	NS
Cadmium	0.12	0.10 D	0.2	1.3	1.1	0.086	0.16	0.13 J [0.074 J]	0.12	0.087 [0.081]
Chromium	21	16 D	8.3	18	15	9.3	17	9.1 [8.9]	6.8	5 [4.0]
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	11	7.5 D	2.6	4	5.8	4.4	8	3.3 [3.2]	NS	NS
Copper	15	13 D	15	35	12	32 J	12 J	13 J [8.8 J]	NS	NS
Cyanide (total)	ND(0.20)	ND(0.20)	ND(0.20)	0.063 J	0.080 J	0.16 J	0.079 J	0.055 J [0.046 J]	NS	NS
Lead	9.6	7.7 D	120	13	1,000(RDC,IDC)	50 J	9.9 J	7.2 J [5.6 J]	8.1	3.2 [2.8]
Manganese	790	330 D	270	220	1300	110 J	460 J	170 J [170 J]	NS	NS
Mercury	0.042 J	0.031 J	0.1	0.42	0.11	0.040 J	ND(0.078)	ND(0.080) [ND(0.078)]	ND(0.021)	ND(0.023) [ND(0.022)]
Nickel	26	19 D	10	14	13	17	22	10 [10]	NS	NS
Selenium	0.11	ND(0.30) ,D	0.33 J	2.7 J	0.70 J	0.28	0.21	0.15 [0.11]	0.17	0.11 [0.21]
Silver	0.099 J	0.059 J,D	0.22	0.44	0.33	0.36	0.21 J	0.15 J [0.099 J]	0.3	ND(0.24) [ND(0.21)]
Thallium	0.15 J	0.070 J,D	0.12 J	0.27 J	0.2	0.090 J	0.21 J	0.079 J [0.075 J]	NS	NS
Vanadium	29	25 D	11	21	19	15	25	15 [16]	NS	NS
Zinc	39	41 D	26	66	30	38	40	30 [27]	NS	NS
PCBs										
Aroclor-1016	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.059)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040) [ND(0.041)]	NS	NS
Aroclor-1221	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.059)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040) [ND(0.041)]	NS	NS
Aroclor-1232	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.059)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040) [ND(0.041)]	NS	NS
Aroclor-1242	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.059)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040) [ND(0.041)]	NS	NS
Aroclor-1248	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.059)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040) [ND(0.041)]	NS	NS
Aroclor-1254	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.059)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040) [ND(0.041)]	NS	NS
Aroclor-1260	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.059)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040) [ND(0.041)]	NS	NS
Total PCBs	ND(0.044)	ND(0.039)	ND(0.037)	ND(0.059)	ND(0.038)	ND(0.040)	ND(0.039)	ND(0.040) [ND(0.041)]	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-03	RFI-83/84-04	RFI-83/84-04	RFI-83/84-04	RFI-83/84-05	RFI-83/84-05	RFI-83/84-06	RFI-83/84-06	RFI-83/84-06
Sample Depth(feet):	8-10	0-2	12-14	8-10	0.7-2.7	6.7-8.7	1-3	7-9	9-11
Date Collected:	01/29/01	01/29/01	01/29/01	01/29/01	07/24/01	07/24/01	09/12/01	09/12/01	09/12/01
Volatiles									
1,1,1-Trichloroethane	ND(0.038)	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.040)
1,1,2,2-Tetrachloroethane	ND(0.038)	ND(0.041) J	ND(0.029)	ND(0.041)	ND(0.078)	ND(0.076) J	ND(0.072)	ND(0.080)	ND(0.079)
1,1,2-Trichloroethane	ND(0.038)	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.040)
1,1-Dichloroethane	0.042	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.040)
1,1-Dichloroethene	ND(0.038)	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.040)
1,2,4-Trichlorobenzene	NS	NS	NS	NS	ND(0.17)	ND(0.16) J	ND(0.15)	ND(0.17)	ND(0.17)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NS	NS	ND(0.17)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17)
1,2-Dibromoethane (EDB)	NS	NS	NS	NS	ND(0.17)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17)
1,2-Dichlorobenzene	NS	NS	NS	NS	ND(0.078)	ND(0.076)	ND(0.072)	ND(0.080)	ND(0.079)
1,2-Dichloroethane	ND(0.038)	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.039)	ND(0.038) J	ND(0.036)	ND(0.040)	ND(0.040)
1,2-Dichloroethene (total)	ND(0.076)	ND(0.082)	ND(0.058)	ND(0.083)	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.038)	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.040)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	ND(0.078)	ND(0.076)	ND(0.072)	ND(0.080)	ND(0.079)
1,4-Dichlorobenzene	NS	NS	NS	NS	ND(0.078)	ND(0.076)	ND(0.072)	ND(0.080)	ND(0.079)
2-Butanone	ND(0.27)	ND(0.29)	ND(0.21)	ND(0.30)	ND(0.28) J	ND(0.27) J	0.032 J	0.064 J	0.038 J
2-Hexanone	ND(0.16)	ND(0.18)	ND(0.12)	ND(0.18)	ND(0.28)	ND(0.27) J	ND(0.26)	ND(0.28)	ND(0.28)
4-Methyl-2-pentanone	ND(0.16)	ND(0.18)	ND(0.12)	ND(0.18)	3.4	ND(0.27) J	ND(0.26)	ND(0.28)	ND(0.28)
Acetone	ND(0.27)	ND(0.29)	ND(0.21)	ND(0.30)	ND(0.34) J	ND(1.2) J	0.10 J	0.12 J	0.28 J
Benzene	ND(0.038)	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.036)	0.41	0.031 J
Benzene, isopropyl	NS	NS	NS	NS	ND(0.17)	ND(0.16)	ND(0.15)	0.53	0.11 J
Bromodichloromethane	ND(0.038)	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.078)	ND(0.076)	ND(0.072)	ND(0.080)	ND(0.079)
Bromoform	ND(0.038)	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.078)	ND(0.076)	ND(0.072)	ND(0.080)	ND(0.079)
Bromomethane	ND(0.16) J	ND(0.18) J	ND(0.12) J	ND(0.18) J	ND(0.17)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17)
Carbon disulfide	ND(0.16)	ND(0.18)	ND(0.12)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17)
Carbon tetrachloride	ND(0.038)	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.040)
Chlorobenzene	ND(0.038)	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.040)
Chloroethane	ND(0.16)	ND(0.18)	ND(0.12)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17)
Chloroform	ND(0.038)	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.040)
Chloromethane	ND(0.16)	ND(0.18)	ND(0.12)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17)
cis-1,2-Dichloroethene	ND(0.038)	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.040)
cis-1,3-Dichloropropene	ND(0.038)	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.040)
Cyclohexane	NS	NS	NS	NS	ND(0.17)	ND(0.16)	ND(0.15)	0.33	ND(0.17)
Dibromochloromethane	ND(0.038)	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.078)	ND(0.076)	ND(0.072)	ND(0.080)	ND(0.079)
Dichlorodifluoromethane (CFC-12)	NS	NS	NS	NS	ND(0.078)	ND(0.076)	ND(0.072)	ND(0.080)	ND(0.079)
Ethylbenzene	0.2	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.036)	0.61	0.1
m&p-Xylene	0.64	ND(0.082)	ND(0.058)	ND(0.083)	0.087	ND(0.076)	0.052 J	3.1	0.5

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-03	RFI-83/84-04	RFI-83/84-04	RFI-83/84-04	RFI-83/84-05	RFI-83/84-05	RFI-83/84-06	RFI-83/84-06	RFI-83/84-06
Sample Depth(feet):	8-10	0-2	12-14	8-10	0.7-2.7	6.7-8.7	1-3	7-9	9-11
Date Collected:	01/29/01	01/29/01	01/29/01	01/29/01	07/24/01	07/24/01	09/12/01	09/12/01	09/12/01
Methyl acetate	NS	NS	NS	NS	0.095 J	ND(0.16) J	0.093 J	0.15 J	0.071 J
Methyl Tert Butyl Ether	NS	NS	NS	NS	ND(0.28)	ND(0.27)	ND(0.26)	ND(0.28)	ND(0.28)
Methylcyclohexane	NS	NS	NS	NS	0.097 J	ND(0.16)	ND(0.15)	1.7	0.23
Methylene chloride	ND(0.16)	ND(0.18)	ND(0.12)	ND(0.18)	ND(0.17) J	ND(0.16) J	ND(0.15)	ND(0.17)	ND(0.17)
o-Xylene	0.25	ND(0.041)	ND(0.029)	ND(0.041)	0.045	ND(0.038)	0.027 J	1.7	0.33
Styrene	ND(0.038)	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.040)
Tetrachloroethene	ND(0.038)	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.040)
Toluene	0.61	ND(0.041)	ND(0.029)	ND(0.041)	4.8	ND(0.038)	ND(0.036)	0.16	ND(0.040)
trans-1,2-Dichloroethene	ND(0.038)	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.040)
trans-1,3-Dichloropropene	ND(0.038)	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.039)	ND(0.038) J	ND(0.036)	ND(0.040)	ND(0.040)
Trichloroethene	0.083	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.040)
Trichlorofluoromethane (CFC-11)	NS	NS	NS	NS	ND(0.078)	ND(0.076)	ND(0.072)	ND(0.080)	ND(0.079)
Trifluorotrichloroethane (Freon 113)	NS	NS	NS	NS	ND(0.17)	ND(0.16)	ND(0.15)	ND(0.17)	ND(0.17)
Vinyl chloride	ND(0.038)	ND(0.041)	ND(0.029)	ND(0.041)	ND(0.039)	ND(0.038)	ND(0.036)	ND(0.040)	ND(0.040)
Xylenes (total)	0.89	ND(0.082)	ND(0.058)	ND(0.083)	0.13	ND(0.076)	0.079	4.8	0.83
Semivolatiles									
1,2,4-Trichlorobenzene	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
2,4,6-Trichlorophenol	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
2,4-Dichlorophenol	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
2,4-Dimethylphenol	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
2,4-Dinitrophenol	ND(18) J	ND(0.75) J	ND(0.78)	ND(0.80)	ND(0.74) J	ND(0.71) J	ND(0.69)	ND(0.75)	ND(0.76)
2,4-Dinitrotoluene	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.74)	ND(0.71)	ND(0.69)	ND(0.75)	ND(0.76)
2,6-Dinitrotoluene	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
2-Chloronaphthalene	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
2-Chlorophenol	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
2-Methyl naphthalene	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	0.46	ND(0.19)
2-Methylphenol	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
2-Nitroaniline	ND(18)	ND(0.75)	ND(0.78)	ND(0.80) J	ND(0.74)	ND(0.71)	ND(0.69)	ND(0.75)	ND(0.76)
2-Nitrophenol	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
3&4-Methylphenol	ND(8.7)	ND(0.37)	ND(0.38)	ND(0.39)	ND(0.38) J	ND(0.36) J	ND(0.35)	ND(0.38)	ND(0.39)
3,3-Dichlorobenzidine	ND(18) J	ND(0.75)	ND(0.78) J	ND(0.80) J	ND(0.74) J	ND(0.71)	ND(0.69)	ND(0.75)	ND(0.76)
3-Nitroaniline	ND(18) J	ND(0.75)	ND(0.78) J	ND(0.80)	ND(0.74)	ND(0.71)	ND(0.69)	ND(0.75)	ND(0.76)
4,6-Dinitro-2-methylphenol	ND(18) J	ND(0.75) J	ND(0.78)	ND(0.80)	ND(0.74)	ND(0.71) J	ND(0.69)	ND(0.75)	ND(0.76)
4-Bromophenyl phenyl ether	ND(4.5) J	ND(0.19) J	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
4-Chloro-3-methylphenol	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-03	RFI-83/84-04	RFI-83/84-04	RFI-83/84-04	RFI-83/84-05	RFI-83/84-05	RFI-83/84-06	RFI-83/84-06	RFI-83/84-06
Sample Depth(feet):	8-10	0-2	12-14	8-10	0.7-2.7	6.7-8.7	1-3	7-9	9-11
Date Collected:	01/29/01	01/29/01	01/29/01	01/29/01	07/24/01	07/24/01	09/12/01	09/12/01	09/12/01
4-Chloroaniline	ND(18) J	ND(0.75) J	ND(0.78) J	ND(0.80) J	ND(0.74)	ND(0.71)	ND(0.69)	ND(0.75)	ND(0.76)
4-Chlorophenyl phenyl ether	ND(4.5) J	ND(0.19) J	ND(0.20) J	ND(0.20) J	ND(0.74)	ND(0.71)	ND(0.69)	ND(0.75)	ND(0.76)
4-Nitroaniline	ND(18)	ND(0.75)	ND(0.78)	ND(0.80)	ND(0.74)	ND(0.71)	ND(0.69)	ND(0.75)	ND(0.76)
4-Nitrophenol	ND(18)	ND(0.75)	ND(0.78)	ND(0.80)	ND(0.74)	ND(0.71)	ND(0.69)	ND(0.75)	ND(0.76)
Acenaphthene	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	0.17 J	ND(0.18)	ND(0.17)	0.085 J	ND(0.19)
Acenaphthylene	ND(4.5)	0.20 J	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
Acetophenone	NS	NS	NS	NS	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
Anthracene	ND(4.5)	0.29 J	ND(0.20)	ND(0.20)	1.1	ND(0.18)	ND(0.17)	0.16 J	ND(0.19)
Atrazine	NS	NS	NS	NS	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
Benzaldehyde	NS	NS	NS	NS	0.087 J	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
Benzo(a)anthracene	ND(4.5) J	1.3 J	ND(0.20)	ND(0.20) J	4.4 DJ	ND(0.18)	0.099 J	0.44	ND(0.19)
Benzo(a)pyrene	ND(4.5) J	1.4 J	ND(0.20)	ND(0.20) J	4.0 DJ(RDC)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
Benzo(b)fluoranthene	ND(4.5) J	1.5 J	ND(0.20)	ND(0.20) J	4.1 DJ	ND(0.18)	0.047 J	0.12 J	ND(0.19)
Benzo(g,h,i)perylene	ND(4.5) J	1.6 J	ND(0.20)	ND(0.20) J	1.6 J	ND(0.18)	ND(0.17)	0.16 J	ND(0.19)
Benzo(k)fluoranthene	ND(4.5) J	1.5 J	ND(0.20)	ND(0.20) J	4.3 J	ND(0.18)	ND(0.17)	0.056 J	ND(0.19)
Biphenyl	NS	NS	NS	NS	ND(0.19)	ND(0.18)	ND(0.17)	0.081 J	ND(0.19)
bis(2-Chloroethoxy)methane	ND(4.5) J	ND(0.19) J	ND(0.20) J	ND(0.20) J	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
bis(2-Chloroethyl)ether	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.037)	ND(0.035)	ND(0.034)	ND(0.037)	ND(0.038)
bis(2-Chloroisopropyl)ether	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
bis(2-Ethylhexyl)phthalate	ND(4.5) J	ND(0.19)	ND(0.20)	ND(0.20) J	ND(0.19) J	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
Butyl benzylphthalate	ND(4.5) J	ND(0.19)	ND(0.20)	ND(0.20) J	ND(0.19) J	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
Caprolactam	NS	NS	NS	NS	ND(0.19) J	ND(0.18)	0.17 J	ND(0.19)	ND(0.19)
Carbazole	ND(4.5)	0.23 J	ND(0.20)	ND(0.20)	0.81	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
Chrysene	ND(4.5) J	1.5 J	ND(0.20)	ND(0.20) J	5.2 DJ	ND(0.18)	0.13 J	0.65	0.041 J
Di-n-butylphthalate	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
Di-n-octyl phthalate	ND(4.5) J	ND(0.19)	ND(0.20)	ND(0.20) J	ND(0.19) J	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
Dibenzo(a,h)anthracene	ND(4.5) J	0.30 J	ND(0.20)	ND(0.20) J	ND(0.19) J	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
Dibenzofuran	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	0.16 J	ND(0.18)	ND(0.17)	0.067 J	ND(0.19)
Diethyl phthalate	ND(4.5) J	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	0.056 J	ND(0.17)	ND(0.19)	ND(0.19)
Dimethyl phthalate	ND(4.5) J	ND(0.19) J	ND(0.20) J	ND(0.20) J	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
Fluoranthene	ND(4.5)	1.9 J	ND(0.20)	ND(0.20)	6.2 DJ	ND(0.18)	0.12 J	0.13 J	ND(0.19)
Fluorene	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	0.28 J	ND(0.18)	ND(0.17)	0.18 J	ND(0.19)
Hexachlorobenzene	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
Hexachlorobutadiene	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
Hexachlorocyclopentadiene	ND(4.5)	ND(0.19) J	ND(0.20) J	ND(0.20) J	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
Hexachloroethane	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
Indeno(1,2,3-cd)pyrene	ND(4.5) J	1.3 J	ND(0.20)	ND(0.20) J	1.7 J	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
Isophorone	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
Methylphenols, Total	ND(8.7)	ND(0.37)	ND(0.38)	ND(0.39)	ND(0.38)	ND(0.36)	ND(0.35)	ND(0.38)	ND(0.39)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-03	RFI-83/84-04	RFI-83/84-04	RFI-83/84-04	RFI-83/84-05	RFI-83/84-05	RFI-83/84-06	RFI-83/84-06	RFI-83/84-06
Sample Depth(feet):	8-10	0-2	12-14	8-10	0.7-2.7	6.7-8.7	1-3	7-9	9-11
Date Collected:	01/29/01	01/29/01	01/29/01	01/29/01	07/24/01	07/24/01	09/12/01	09/12/01	09/12/01
N-Nitrosodi-n-propylamine	ND(4.5) J	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
N-Nitrosodiphenylamine	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
Naphthalene	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	0.052 J	ND(0.18)	ND(0.17)	0.38	0.048 J
Nitrobenzene	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.074)	ND(0.071)	ND(0.069)	ND(0.075)	ND(0.076)
Pentachlorophenol	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.74)	ND(0.71)	ND(0.69)	ND(0.75)	ND(0.76)
Phenanthrene	ND(4.5)	1.1 J	ND(0.20)	ND(0.20)	4.4	ND(0.18)	0.16 J	0.88	ND(0.19)
Phenol	ND(4.5)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.19)	ND(0.19)
Pyrene	ND(4.5) J	2.1 J	ND(0.20)	0.28 J	12 J	ND(0.18)	0.34	0.88	ND(0.19)
Inorganics									
Antimony	NS	NS	NS	NS	ND(1.7)	ND(0.23)	ND(0.26)	3.7 J	ND(0.22)
Arsenic	2.7 J	11 J(RDC)	4.0 J	3.9 J	5.7	3.7	3.3	15(RDC)	5.1
Barium	5.6 J	700 J	40 J	42 J	210	6.5	14	69 J	91 J
Beryllium	NS	NS	NS	NS	0.91	0.1	0.11	0.41	0.9
Cadmium	0.16	0.21	0.22	0.16	0.92	0.076	0.075	1.5 J	1.8 J
Chromium	3.9	38	15	16	17	6.8	5.2	29	28
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	4.5	2.2	2.4	8.1	5.9
Copper	NS	NS	NS	NS	160 J	5.1 J	17	7100	90
Cyanide (total)	NS	NS	NS	NS	0.32	ND(0.20)	0.22	3.1	0.067 J
Lead	3.3	1,600(RDC,IDC)	11	15	42,000 DJ(RDC,IDC)	6.4 J	8.6	2,300 J(RDC,IDC)	25 J
Manganese	NS	NS	NS	NS	200 J	130 J	140	750	420
Mercury	ND(0.020)	0.25	ND(0.024)	ND(0.024)	5.1 D	ND(0.073)	0.020 J	0.15	0.041 J
Nickel	NS	NS	NS	NS	21	6.3	6.9	45	28
Selenium	0.086	0.15	0.27	0.17	ND(0.64)	ND(0.27) J	0.14	0.11	2.5
Silver	1.6	4.1	ND(0.22)	ND(0.22)	0.3	0.026 J	0.055 J	1.2	0.20 J
Thallium	NS	NS	NS	NS	0.34	0.15 J	0.050 J	0.096 J	0.20 J
Vanadium	NS	NS	NS	NS	14	10	7.6	22	14
Zinc	NS	NS	NS	NS	190	20	18	650	64
PCBs									
Aroclor-1016	NS	NS	NS	NS	ND(0.039)	ND(0.037)	ND(0.036)	ND(0.039)	ND(0.040)
Aroclor-1221	NS	NS	NS	NS	ND(0.039)	ND(0.037)	ND(0.036)	ND(0.039)	ND(0.040)
Aroclor-1232	NS	NS	NS	NS	ND(0.039)	ND(0.037)	ND(0.036)	ND(0.039)	ND(0.040)
Aroclor-1242	NS	NS	NS	NS	ND(0.039)	ND(0.037)	ND(0.036)	ND(0.039)	ND(0.040)
Aroclor-1248	NS	NS	NS	NS	ND(0.039)	ND(0.037)	ND(0.036)	ND(0.039)	ND(0.040)
Aroclor-1254	NS	NS	NS	NS	ND(0.039)	ND(0.037)	ND(0.036)	ND(0.039)	ND(0.040)
Aroclor-1260	NS	NS	NS	NS	ND(0.039)	ND(0.037)	ND(0.036)	ND(0.039)	ND(0.040)
Total PCBs	NS	NS	NS	NS	ND(0.039)	ND(0.037)	ND(0.036)	ND(0.039)	ND(0.040)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-07	RFI-83/84-07	RFI-83/84-08	RFI-83/84-08	RFI-83/84-09	RFI-83/84-09	RFI-83/84-10	RFI-83/84-10	RFI-83/84-10	RFI-83/84-11
Sample Depth(feet):	0.9-2.9	8.9-10.9	0.7-2.7	8.7-10.7	0.8-2.8	6.8-8.8	0-2	10-12	8-10	0-2
Date Collected:	07/25/01	07/25/01	07/24/01	07/24/01	07/23/01	07/23/01	01/29/01	01/29/01	01/29/01	06/25/01
Volatiles										
1,1,1-Trichloroethane	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.042)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.037)
1,1,2,2-Tetrachloroethane	ND(0.071)	ND(0.075)	ND(0.073) J	ND(0.091) J	ND(0.076)	ND(0.085)	ND(0.050)	ND(0.042) [ND(0.043) J]	ND(0.040) J	ND(0.074)
1,1,2-Trichloroethane	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.042)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.037)
1,1-Dichloroethane	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.042)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.037)
1,1-Dichloroethene	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.042)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.037)
1,2,4-Trichlorobenzene	ND(0.15)	ND(0.16)	ND(0.16) J	ND(0.19) J	ND(0.16)	ND(0.18)	NS	NS	NS	ND(0.16)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16)	ND(0.18)	NS	NS	NS	ND(0.16)
1,2-Dibromoethane (EDB)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16)	ND(0.18)	NS	NS	NS	ND(0.16)
1,2-Dichlorobenzene	ND(0.071)	ND(0.075)	0.074	ND(0.091)	ND(0.076)	ND(0.085)	NS	NS	NS	ND(0.074)
1,2-Dichloroethane	ND(0.035)	ND(0.038)	ND(0.036) J	ND(0.045) J	ND(0.038)	ND(0.042)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.037)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	ND(0.10)	ND(0.085) [ND(0.086)]	ND(0.079)	NS
1,2-Dichloropropane	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.042)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.037)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.071)	ND(0.075)	ND(0.073)	ND(0.091)	ND(0.076)	ND(0.085)	NS	NS	NS	ND(0.074)
1,4-Dichlorobenzene	ND(0.071)	ND(0.075)	ND(0.073)	ND(0.091)	ND(0.076)	ND(0.085)	NS	NS	NS	ND(0.074)
2-Butanone	ND(0.25) J	ND(0.27) J	ND(0.26) J	ND(0.32) J	ND(0.27)	ND(0.30)	ND(0.36)	ND(0.30) [ND(0.31)]	ND(0.28)	ND(0.27)
2-Hexanone	ND(0.25)	ND(0.27)	ND(0.26) J	ND(0.32) J	ND(0.27)	ND(0.30)	ND(0.21)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.27)
4-Methyl-2-pentanone	ND(0.25)	ND(0.27)	ND(0.26) J	ND(0.32) J	ND(0.27)	ND(0.30)	ND(0.21)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.27)
Acetone	ND(0.25) J	ND(0.27) J	ND(1.5) J	ND(1.8) J	ND(0.39) J	ND(0.30) J	ND(0.36)	ND(0.30) [ND(0.31)]	ND(0.28)	ND(0.27)
Benzene	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.042)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.037)
Benzene, isopropyl	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16)	ND(0.18)	NS	NS	NS	ND(0.16)
Bromodichloromethane	ND(0.071)	ND(0.075)	ND(0.073)	ND(0.091)	ND(0.076)	ND(0.085)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.074)
Bromoform	ND(0.071)	ND(0.075)	ND(0.073)	ND(0.091)	ND(0.076)	ND(0.085)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.074)
Bromomethane	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16)	ND(0.18)	ND(0.21) J	ND(0.18) J [ND(0.18) J]	ND(0.17) J	ND(0.16)
Carbon disulfide	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16)	ND(0.18)	ND(0.21)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.16)
Carbon tetrachloride	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.042)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.037)
Chlorobenzene	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.042)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.037)
Chloroethane	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16)	ND(0.18)	ND(0.21)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.16)
Chloroform	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.042)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.037)
Chloromethane	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16)	ND(0.18)	ND(0.21)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.16)
cis-1,2-Dichloroethene	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.042)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.037)
cis-1,3-Dichloropropene	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.042)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.037)
Cyclohexane	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16)	ND(0.18)	NS	NS	NS	ND(0.16)
Dibromochloromethane	ND(0.071)	ND(0.075)	ND(0.073)	ND(0.091)	ND(0.076)	ND(0.085)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.074)
Dichlorodifluoromethane (CFC-12)	ND(0.071)	ND(0.075)	ND(0.073)	ND(0.091)	ND(0.076)	ND(0.085)	NS	NS	NS	ND(0.074)
Ethylbenzene	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.042)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.037)
m&p-Xylene	0.050 J	0.08	0.086	0.042 J	0.049 J	ND(0.085)	ND(0.10)	ND(0.085) [ND(0.086)]	ND(0.079)	ND(0.074)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-07	RFI-83/84-07	RFI-83/84-08	RFI-83/84-08	RFI-83/84-09	RFI-83/84-09	RFI-83/84-10	RFI-83/84-10	RFI-83/84-10	RFI-83/84-11
Sample Depth(feet):	0.9-2.9	8.9-10.9	0.7-2.7	8.7-10.7	0.8-2.8	6.8-8.8	0-2	10-12	8-10	0-2
Date Collected:	07/25/01	07/25/01	07/24/01	07/24/01	07/23/01	07/23/01	01/29/01	01/29/01	01/29/01	06/25/01
Methyl acetate	0.075 J	ND(0.16)	ND(0.16) J	ND(0.19) J	ND(0.16)	ND(0.18)	NS	NS	NS	0.27
Methyl Tert Butyl Ether	ND(0.25)	ND(0.27)	ND(0.26)	ND(0.32)	ND(0.27)	ND(0.30)	NS	NS	NS	ND(0.27)
Methylcyclohexane	0.081 J	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16)	ND(0.18)	NS	NS	NS	0.030 J
Methylene chloride	ND(0.15) J	ND(0.16) J	ND(0.16) J	ND(0.19) J	ND(0.16)	ND(0.18)	ND(0.21)	ND(0.18) [ND(0.18)]	ND(0.17)	ND(0.16) J
o-Xylene	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.042)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.037)
Styrene	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.042)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.037)
Tetrachloroethene	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.042)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.037)
Toluene	ND(0.035)	ND(0.038)	0.035 J	ND(0.045)	ND(0.038)	ND(0.042)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.037)
trans-1,2-Dichloroethene	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.042)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.037)
trans-1,3-Dichloropropene	ND(0.035)	ND(0.038)	ND(0.036) J	ND(0.045) J	ND(0.038)	ND(0.042)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.037)
Trichloroethene	0.11	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.042)	0.051	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.037)
Trichlorofluoromethane (CFC-11)	ND(0.071)	ND(0.075)	ND(0.073)	ND(0.091)	ND(0.076)	ND(0.085)	NS	NS	NS	ND(0.074)
Trifluorotrichloroethane (Freon 113)	ND(0.15)	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.16)	ND(0.18)	NS	NS	NS	ND(0.16)
Vinyl chloride	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.042)	ND(0.050)	ND(0.042) [ND(0.043)]	ND(0.040)	ND(0.037)
Xylenes (total)	0.05	0.08	0.086	0.042	0.049	ND(0.085)	ND(0.10)	ND(0.085) [ND(0.086)]	ND(0.079)	ND(0.074)
Semivolatiles										
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	NS
2,4,5-Trichlorophenol	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
2,4,6-Trichlorophenol	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
2,4-Dichlorophenol	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
2,4-Dimethylphenol	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
2,4-Dinitrophenol	ND(0.68) J	ND(0.74) J	ND(0.68)	ND(0.86) J	ND(3.7) J	ND(0.81) J	ND(3.8) J	ND(0.81) [ND(0.82)]	ND(0.74)	ND(0.72)
2,4-Dinitrotoluene	ND(0.68)	ND(0.74)	ND(0.68)	ND(0.86)	ND(3.7)	ND(0.81)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.72)
2,6-Dinitrotoluene	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
2-Chloronaphthalene	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
2-Chlorophenol	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
2-Methyl naphthalene	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
2-Methylphenol	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21) J	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
2-Nitroaniline	ND(0.68)	ND(0.74)	ND(0.68)	ND(0.86)	ND(3.7)	ND(0.81)	ND(3.8)	ND(0.81) [ND(0.82)]	ND(0.74)	ND(0.72)
2-Nitrophenol	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
3&4-Methylphenol	ND(0.34) J	ND(0.37) J	ND(0.35)	ND(0.44) J	ND(1.9) J	ND(0.41) J	ND(1.9)	ND(0.40) [ND(0.40)]	ND(0.37)	ND(0.36) J
3,3-Dichlorobenzidine	ND(0.68)	ND(0.74) J	ND(0.68) J	ND(0.86)	ND(3.7) J	ND(0.81)	ND(3.8)	ND(0.81) J [ND(0.82) J]	ND(0.74) J	ND(0.72) J
3-Nitroaniline	ND(0.68)	ND(0.74)	ND(0.68)	ND(0.86)	ND(3.7)	ND(0.81)	ND(3.8) J	ND(0.81) J [ND(0.82) J]	ND(0.74)	ND(0.72)
4,6-Dinitro-2-methylphenol	ND(0.68) J	ND(0.74) J	ND(0.68)	ND(0.86) J	ND(3.7)	ND(0.81)	ND(3.8) J	ND(0.81) [ND(0.82)]	ND(0.74)	ND(0.72)
4-Bromophenyl phenyl ether	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96) J	ND(0.21) [ND(0.21)]	ND(0.19) J	ND(0.18)
4-Chloro-3-methylphenol	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-07	RFI-83/84-07	RFI-83/84-08	RFI-83/84-08	RFI-83/84-09	RFI-83/84-09	RFI-83/84-10	RFI-83/84-10	RFI-83/84-10	RFI-83/84-11
Sample Depth(feet):	0.9-2.9	8.9-10.9	0.7-2.7	8.7-10.7	0.8-2.8	6.8-8.8	0-2	10-12	8-10	0-2
Date Collected:	07/25/01	07/25/01	07/24/01	07/24/01	07/23/01	07/23/01	01/29/01	01/29/01	01/29/01	06/25/01
4-Chloroaniline	ND(0.68)	ND(0.74)	ND(0.68)	ND(0.86)	ND(3.7)	ND(0.81)	ND(3.8) J	ND(0.81) J [ND(0.82) J]	ND(0.74) J	ND(0.72)
4-Chlorophenyl phenyl ether	ND(0.68)	ND(0.74)	ND(0.68)	ND(0.86)	ND(3.7) J	ND(0.81) J	ND(0.96) J	ND(0.21) J [ND(0.21) J]	ND(0.19) J	ND(0.72)
4-Nitroaniline	ND(0.68)	ND(0.74)	ND(0.68)	ND(0.86)	ND(3.7)	ND(0.81) J	ND(3.8)	ND(0.81) [ND(0.82)]	ND(0.74)	ND(0.72)
4-Nitrophenol	ND(0.68)	ND(0.74)	ND(0.68)	ND(0.86)	ND(3.7)	ND(0.81)	ND(3.8)	ND(0.81) [ND(0.82)]	ND(0.74)	ND(0.72)
Acenaphthene	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	0.50 J	ND(0.21)	2.2	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
Acenaphthylene	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
Acetophenone	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	NS	NS	NS	ND(0.18)
Anthracene	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	0.68 J	ND(0.21)	3.8	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
Atrazine	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	NS	NS	NS	ND(0.18)
Benzaldehyde	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93) J	ND(0.21) J	NS	NS	NS	ND(0.18)
Benzo(a)anthracene	ND(0.17)	ND(0.19) J	ND(0.17) J	ND(0.22)	0.92 J	ND(0.21)	7.9	ND(0.21) [ND(0.21)]	0.24 J	0.083 J
Benzo(a)pyrene	ND(0.17)	0.19 R	ND(0.17) J	ND(0.22)	0.71 J	ND(0.21)	8.3 J(RDC)	ND(0.21) [ND(0.21)]	0.20 J	0.081 J
Benzo(b)fluoranthene	0.12 J	0.19 R	ND(0.17) J	ND(0.22)	0.78 J	ND(0.21)	7.8 J	ND(0.21) [ND(0.21)]	ND(0.19) J	0.12 J
Benzo(g,h,i)perylene	ND(0.17)	0.19 R	ND(0.17) J	ND(0.22)	0.56 J	ND(0.21)	5.8 J	ND(0.21) [ND(0.21)]	0.23 J	ND(0.18) J
Benzo(k)fluoranthene	ND(0.17)	0.19 R	ND(0.17) J	ND(0.22)	0.86 J	ND(0.21)	7.3 J	ND(0.21) [ND(0.21)]	ND(0.19) J	0.095 J
Biphenyl	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	NS	NS	NS	ND(0.18)
bis(2-Chloroethoxy)methane	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96) J	ND(0.21) J [ND(0.21) J]	ND(0.19) J	ND(0.18)
bis(2-Chloroethyl)ether	ND(0.033)	ND(0.036)	ND(0.034)	ND(0.042)	ND(0.18)	ND(0.040)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.035)
bis(2-Chloroisopropyl)ether	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
bis(2-Ethylhexyl)phthalate	ND(0.17)	ND(0.19) J	ND(0.17) J	ND(0.22)	ND(0.93) J	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19) J	ND(0.18)
Butyl benzylphthalate	ND(0.17)	ND(0.19) J	ND(0.17) J	ND(0.22)	ND(0.93) J	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19) J	1.2 J
Caprolactam	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21) J	NS	NS	NS	ND(0.18)
Carbazole	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	2	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
Chrysene	0.042 J	ND(0.19) J	ND(0.17)	ND(0.22)	1.1 J	ND(0.21)	8.7	ND(0.21) [ND(0.21)]	0.35 J	0.11 J
Di-n-butylphthalate	0.095 J	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
Di-n-octyl phthalate	ND(0.17)	0.19 R	ND(0.17) J	ND(0.22)	ND(0.93) J	ND(0.21)	ND(0.96) J	ND(0.21) [ND(0.21)]	ND(0.19) J	ND(0.18) J
Dibenzo(a,h)anthracene	ND(0.17)	0.19 R	ND(0.17) J	ND(0.22)	ND(0.93) J	ND(0.21)	0.95 J	ND(0.21) [ND(0.21)]	ND(0.19) J	ND(0.18) J
Dibenzofuran	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	0.42 J	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
Diethyl phthalate	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96) J	ND(0.21) [ND(0.21)]	ND(0.19)	0.085 J
Dimethyl phthalate	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96) J	ND(0.21) J [ND(0.21) J]	ND(0.19) J	ND(0.18)
Fluoranthene	0.038 J	ND(0.19)	ND(0.17)	ND(0.22)	2.2	ND(0.21)	13	ND(0.21) [ND(0.21)]	0.49	0.15 J
Fluorene	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	0.82 J	ND(0.21)	1.6	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
Hexachlorobenzene	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
Hexachlorobutadiene	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
Hexachlorocyclopentadiene	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96) J	ND(0.21) J [ND(0.21) J]	ND(0.19) J	ND(0.18)
Hexachloroethane	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
Indeno(1,2,3-cd)pyrene	ND(0.17)	0.19 R	ND(0.17) J	ND(0.22)	0.54 J	ND(0.21)	5.4 J	ND(0.21) [ND(0.21)]	ND(0.19) J	ND(0.18) J
Isophorone	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
Methylphenols, Total	ND(0.34)	ND(0.37)	ND(0.35)	ND(0.44)	ND(1.9)	ND(0.41)	ND(1.9)	ND(0.40) [ND(0.40)]	ND(0.37)	ND(0.36)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-07	RFI-83/84-07	RFI-83/84-08	RFI-83/84-08	RFI-83/84-09	RFI-83/84-09	RFI-83/84-10	RFI-83/84-10	RFI-83/84-10	RFI-83/84-11
Sample Depth(feet):	0.9-2.9	8.9-10.9	0.7-2.7	8.7-10.7	0.8-2.8	6.8-8.8	0-2	10-12	8-10	0-2
Date Collected:	07/25/01	07/25/01	07/24/01	07/24/01	07/23/01	07/23/01	01/29/01	01/29/01	01/29/01	06/25/01
N-Nitrosodi-n-propylamine	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
N-Nitrosodiphenylamine	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
Naphthalene	ND(0.17)	ND(0.19)	0.18	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
Nitrobenzene	ND(0.068)	ND(0.074)	ND(0.068)	ND(0.086)	ND(0.37)	ND(0.081)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.072)
Pentachlorophenol	ND(0.68)	ND(0.74)	ND(0.68)	ND(0.86)	ND(3.7)	ND(0.81)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.72)
Phenanthrene	0.090 J	ND(0.19)	ND(0.17)	ND(0.22)	3.1	0.049 J	11	ND(0.21) [ND(0.21)]	1.3	0.072 J
Phenol	ND(0.17)	ND(0.19)	ND(0.17)	ND(0.22)	ND(0.93)	ND(0.21)	ND(0.96)	ND(0.21) [ND(0.21)]	ND(0.19)	ND(0.18)
Pyrene	ND(0.17)	ND(0.19) J	ND(0.17) J	ND(0.22)	3.4 J	ND(0.21)	17	ND(0.21) [ND(0.21)]	0.65 J	0.24 J
Inorganics										
Antimony	ND(0.20)	ND(0.20)	ND(0.22)	ND(0.29)	ND(0.21) J	ND(0.21) J	NS	NS	NS	0.23 R
Arsenic	0.89	2.5	1.9	10(RDC)	3.2	2.4	5.7 J	4.6 J [4.0 J]	2.7 J	3.6
Barium	7.7	14	19	77	24 J	42 J	210 J	20 J [13 J]	12 J	32
Beryllium	0.076 J	0.15	0.18	0.72	0.24	0.54	NS	NS	NS	0.17
Cadmium	0.054	0.054	0.041	0.54	0.097	0.15	0.09	0.083 [0.12]	0.085	0.26
Chromium	3.6	6.2	4.8	22	5.6 J	15 J	15	9.2 [5.2]	12	14
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	0.78	2.2	1.8	7.4	2.8	7.1	NS	NS	NS	2.4 J
Copper	4.3 J	7.5 J	3.5 J	12 J	8.1 J	13 J	NS	NS	NS	33 J
Cyanide (total)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.20 R	0.20 R	NS	NS	NS	0.33
Lead	20 J	5.7 J	8.7 J	16 J	13 J	8.8 J	860(RDC)	17 [11]	7.6	33
Manganese	35 J	41 J	76 J	220 J	120 J	250 J	NS	NS	NS	190
Mercury	ND(0.071)	ND(0.076)	ND(0.070)	0.082 J	0.018 J	ND(0.080)	0.096	ND(0.023) [ND(0.025)]	ND(0.022)	0.026 J
Nickel	3.3	5.8	4.2	13	7.9	19	NS	NS	NS	18 J
Selenium	ND(0.15)	ND(0.26) J	ND(0.16)	ND(0.91)	ND(0.21)	0.66	0.2	0.21 [0.16]	0.097	0.29 J
Silver	ND(0.19)	ND(0.20)	0.011 J	0.047 J	0.042 J	0.081 J	4.8	ND(0.23) [ND(0.25)]	ND(0.18)	0.062 J
Thallium	0.020 J	0.051 J	0.11 J	0.27 J	0.080 J	0.21 J	NS	NS	NS	0.047 J
Vanadium	4.4	11	8.3	37	10	22	NS	NS	NS	11
Zinc	20	22	16	82	25 J	41 J	NS	NS	NS	43
PCBs										
Aroclor-1016	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.043)	NS	NS	NS	ND(0.037)
Aroclor-1221	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.043)	NS	NS	NS	ND(0.037)
Aroclor-1232	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.043)	NS	NS	NS	ND(0.037)
Aroclor-1242	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.043)	NS	NS	NS	ND(0.037)
Aroclor-1248	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.043)	NS	NS	NS	ND(0.037)
Aroclor-1254	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.043)	NS	NS	NS	0.030 J
Aroclor-1260	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.043)	NS	NS	NS	0.022 J
Total PCBs	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.045)	ND(0.038)	ND(0.043)	NS	NS	NS	0.052

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-11	RFI-83/84-12	RFI-83/84-12	RFI-83/84-13	RFI-83/84-13	RFI-83/84-14	RFI-83/84-15	RFI-83/84-16	RFI-83/84-16
Sample Depth(feet):	4-6	0.7-2.7	2.7-4.7	1.1-3.1	3.1-5.1	0.8-1	1.2-3	0.8-2.8	2.8-4.8
Date Collected:	06/25/01	12/07/01	12/07/01	12/07/01	12/07/01	12/10/01	12/10/01	12/10/01	12/10/01
Volatiles									
1,1,1-Trichloroethane	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
1,1,2,2-Tetrachloroethane	ND(0.076)	ND(0.081)	ND(0.085)	NS	NS	NS	NS	NS	NS
1,1,2-Trichloroethane	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
1,1-Dichloroethene	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	ND(0.16)	ND(0.17)	ND(0.18)	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16)	ND(0.17)	ND(0.18)	NS	NS	NS	NS	NS	NS
1,2-Dibromoethane (EDB)	ND(0.16)	ND(0.17)	ND(0.18)	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	ND(0.076)	ND(0.081)	ND(0.085)	NS	NS	NS	NS	NS	NS
1,2-Dichloroethane	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.076)	ND(0.081)	ND(0.085)	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	ND(0.076)	ND(0.081)	ND(0.085)	NS	NS	NS	NS	NS	NS
2-Butanone	ND(0.27)	ND(0.29)	ND(0.30)	NS	NS	NS	NS	NS	NS
2-Hexanone	ND(0.27)	ND(0.29)	ND(0.30)	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	ND(0.27)	ND(0.29)	ND(0.30)	NS	NS	NS	NS	NS	NS
Acetone	ND(0.27)	ND(0.29)	ND(0.30)	NS	NS	NS	NS	NS	NS
Benzene	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
Benzene, isopropyl	ND(0.16)	ND(0.17)	ND(0.18)	NS	NS	NS	NS	NS	NS
Bromodichloromethane	ND(0.076)	ND(0.081)	ND(0.085)	NS	NS	NS	NS	NS	NS
Bromoform	ND(0.076)	ND(0.081)	ND(0.085)	NS	NS	NS	NS	NS	NS
Bromomethane	ND(0.16)	ND(0.17)	ND(0.18)	NS	NS	NS	NS	NS	NS
Carbon disulfide	ND(0.16)	ND(0.17)	ND(0.18)	NS	NS	NS	NS	NS	NS
Carbon tetrachloride	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
Chlorobenzene	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
Chloroethane	ND(0.16)	ND(0.17)	ND(0.18)	NS	NS	NS	NS	NS	NS
Chloroform	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
Chloromethane	ND(0.16)	ND(0.17)	ND(0.18)	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
cis-1,3-Dichloropropene	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
Cyclohexane	ND(0.16)	0.042 J	ND(0.18)	NS	NS	NS	NS	NS	NS
Dibromochloromethane	ND(0.076)	ND(0.081)	ND(0.085)	NS	NS	NS	NS	NS	NS
Dichlorodifluoromethane (CFC-12)	ND(0.076)	ND(0.081)	ND(0.085)	NS	NS	NS	NS	NS	NS
Ethylbenzene	ND(0.038)	0.077	ND(0.042)	NS	NS	NS	NS	NS	NS
m&p-Xylene	ND(0.076)	0.19	0.037 J	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-11	RFI-83/84-12	RFI-83/84-12	RFI-83/84-13	RFI-83/84-13	RFI-83/84-14	RFI-83/84-15	RFI-83/84-16	RFI-83/84-16
Sample Depth(feet):	4-6	0.7-2.7	2.7-4.7	1.1-3.1	3.1-5.1	0.8-1	1.2-3	0.8-2.8	2.8-4.8
Date Collected:	06/25/01	12/07/01	12/07/01	12/07/01	12/07/01	12/10/01	12/10/01	12/10/01	12/10/01
Methyl acetate	ND(0.16)	ND(0.17)	0.12 J	NS	NS	NS	NS	NS	NS
Methyl Tert Butyl Ether	ND(0.27)	ND(0.29)	ND(0.30)	NS	NS	NS	NS	NS	NS
Methylcyclohexane	ND(0.16)	0.083 J	ND(0.18)	NS	NS	NS	NS	NS	NS
Methylene chloride	ND(0.16) J	ND(0.17)	ND(0.18)	NS	NS	NS	NS	NS	NS
o-Xylene	ND(0.038)	0.053	ND(0.042)	NS	NS	NS	NS	NS	NS
Styrene	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
Tetrachloroethene	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
Toluene	ND(0.038)	0.038 J	ND(0.042)	NS	NS	NS	NS	NS	NS
trans-1,2-Dichloroethene	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
trans-1,3-Dichloropropene	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
Trichloroethene	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
Trichlorofluoromethane (CFC-11)	ND(0.076)	ND(0.081)	ND(0.085)	NS	NS	NS	NS	NS	NS
Trifluorotrichloroethane (Freon 113)	ND(0.16)	ND(0.17)	ND(0.18)	NS	NS	NS	NS	NS	NS
Vinyl chloride	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
Xylenes (total)	ND(0.076)	0.24	0.037	NS	NS	NS	NS	NS	NS
Semivolatiles									
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.19) J	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol	ND(0.19) J	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
2,4-Dichlorophenol	ND(0.19) J	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
2,4-Dinitrophenol	ND(0.73)	ND(0.77)	ND(8.0)	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	ND(0.73)	ND(0.77)	ND(8.0)	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
2-Chloronaphthalene	ND(0.19) J	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
2-Chlorophenol	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
2-Methyl naphthalene	ND(0.19)	0.78	ND(2.0)	NS	NS	NS	NS	NS	NS
2-Methylphenol	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
2-Nitroaniline	ND(0.73)	ND(0.77)	ND(8.0)	NS	NS	NS	NS	NS	NS
2-Nitrophenol	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
3&4-Methylphenol	ND(0.37) J	ND(0.39)	ND(4.0)	NS	NS	NS	NS	NS	NS
3,3-Dichlorobenzidine	ND(0.73) J	ND(0.77)	ND(8.0)	NS	NS	NS	NS	NS	NS
3-Nitroaniline	ND(0.73)	ND(0.77)	ND(8.0)	NS	NS	NS	NS	NS	NS
4,6-Dinitro-2-methylphenol	ND(0.73)	ND(0.77)	ND(8.0)	NS	NS	NS	NS	NS	NS
4-Bromophenyl phenyl ether	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-11	RFI-83/84-12	RFI-83/84-12	RFI-83/84-13	RFI-83/84-13	RFI-83/84-14	RFI-83/84-15	RFI-83/84-16	RFI-83/84-16
Sample Depth(feet):	4-6	0.7-2.7	2.7-4.7	1.1-3.1	3.1-5.1	0.8-1	1.2-3	0.8-2.8	2.8-4.8
Date Collected:	06/25/01	12/07/01	12/07/01	12/07/01	12/07/01	12/10/01	12/10/01	12/10/01	12/10/01
4-Chloroaniline	ND(0.73)	ND(0.77)	ND(8.0)	NS	NS	NS	NS	NS	NS
4-Chlorophenyl phenyl ether	ND(0.73) J	ND(0.77)	ND(8.0)	NS	NS	NS	NS	NS	NS
4-Nitroaniline	ND(0.73)	ND(0.77)	ND(8.0)	NS	NS	NS	NS	NS	NS
4-Nitrophenol	ND(0.73)	ND(0.77)	ND(8.0)	NS	NS	NS	NS	NS	NS
Acenaphthene	ND(0.19) J	0.69	1.9 J	NS	NS	NS	NS	NS	NS
Acenaphthylene	ND(0.19) J	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
Acetophenone	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
Anthracene	ND(0.19)	0.63	1.7 J	NS	NS	NS	NS	NS	NS
Atrazine	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
Benzaldehyde	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	ND(0.19)	0.6	1.1 J	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	ND(0.19)	0.35	ND(2.0)	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	ND(0.19)	0.29	0.57 J	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	ND(0.19) J	0.51	ND(2.0)	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	ND(0.19)	0.47	ND(2.0)	NS	NS	NS	NS	NS	NS
Biphenyl	ND(0.19)	0.76	0.84 J	NS	NS	NS	NS	NS	NS
bis(2-Chloroethoxy)methane	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
bis(2-Chloroethyl)ether	ND(0.036)	ND(0.038)	ND(0.39)	NS	NS	NS	NS	NS	NS
bis(2-Chloroisopropyl)ether	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl)phthalate	ND(0.19)	1.2	4.2	NS	NS	NS	NS	NS	NS
Butyl benzylphthalate	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
Caprolactam	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
Carbazole	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
Chrysene	ND(0.19)	0.83	1.1 J	NS	NS	NS	NS	NS	NS
Di-n-butylphthalate	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
Di-n-octyl phthalate	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	ND(0.19) J	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
Dibenzofuran	ND(0.19)	0.73	1.1 J	NS	NS	NS	NS	NS	NS
Diethyl phthalate	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
Dimethyl phthalate	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
Fluoranthene	ND(0.19)	1.1	2.2	NS	NS	NS	NS	NS	NS
Fluorene	ND(0.19) J	1.4	4.6	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
Hexachlorobutadiene	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
Hexachlorocyclopentadiene	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
Hexachloroethane	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	ND(0.19) J	0.29	ND(2.0)	NS	NS	NS	NS	NS	NS
Isophorone	ND(0.19) J	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
Methylphenols, Total	ND(0.37)	ND(0.39)	ND(4.0)	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-11	RFI-83/84-12	RFI-83/84-12	RFI-83/84-13	RFI-83/84-13	RFI-83/84-14	RFI-83/84-15	RFI-83/84-16	RFI-83/84-16
Sample Depth(feet):	4-6	0.7-2.7	2.7-4.7	1.1-3.1	3.1-5.1	0.8-1	1.2-3	0.8-2.8	2.8-4.8
Date Collected:	06/25/01	12/07/01	12/07/01	12/07/01	12/07/01	12/10/01	12/10/01	12/10/01	12/10/01
N-Nitrosodi-n-propylamine	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
N-Nitrosodiphenylamine	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
Naphthalene	ND(0.19)	0.12 J	ND(2.0)	NS	NS	NS	NS	NS	NS
Nitrobenzene	ND(0.073) J	ND(0.077)	ND(0.80)	NS	NS	NS	NS	NS	NS
Pentachlorophenol	ND(0.73)	ND(0.77)	ND(8.0)	NS	NS	NS	NS	NS	NS
Phenanthrene	ND(0.19)	3.3	4.8	NS	NS	NS	NS	NS	NS
Phenol	ND(0.19)	ND(0.20)	ND(2.0)	NS	NS	NS	NS	NS	NS
Pyrene	ND(0.19)	2.6	4.7	NS	NS	NS	NS	NS	NS
Inorganics									
Antimony	0.046 J	0.52	11	NS	NS	NS	NS	NS	NS
Arsenic	2.6	7.5	32(RDC)	NS	NS	NS	NS	NS	NS
Barium	9.4	1300	3400	NS	NS	NS	NS	NS	NS
Beryllium	0.2	1.1	5.3	NS	NS	NS	NS	NS	NS
Cadmium	0.068	0.28	1.2	NS	NS	NS	NS	NS	NS
Chromium	7	37	73	NS	NS	NS	NS	NS	NS
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	2.3 J	8.8	21	NS	NS	NS	NS	NS	NS
Copper	3.4 J	360	5800	NS	NS	NS	NS	NS	NS
Cyanide (total)	0.026 J	0.16 J	0.14 J	NS	NS	NS	NS	NS	NS
Lead	4.7	150	2,900(RDC,IDC)	78	640(RDC)	3,600(RDC,IDC)	35	670(RDC) [870(RDC)]	2,500(RDC,IDC)
Manganese	65	630	1500	NS	NS	NS	NS	NS	NS
Mercury	ND(0.075)	0.071 J	0.093	NS	NS	NS	NS	NS	NS
Nickel	6.0 J	56	83	NS	NS	NS	NS	NS	NS
Selenium	0.26	0.064 J	0.5	NS	NS	NS	NS	NS	NS
Silver	0.082 J	0.16 J	2.1	NS	NS	NS	NS	NS	NS
Thallium	0.039 J	0.069 J	0.10 J	NS	NS	NS	NS	NS	NS
Vanadium	11	18	33	NS	NS	NS	NS	NS	NS
Zinc	18	110	750	NS	NS	NS	NS	NS	NS
PCBs									
Aroclor-1016	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
Aroclor-1221	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
Aroclor-1232	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
Aroclor-1242	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
Aroclor-1248	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
Aroclor-1254	ND(0.038)	ND(0.040)	ND(0.042)	NS	NS	NS	NS	NS	NS
Aroclor-1260	ND(0.038)	ND(0.040)	0.040 J	NS	NS	NS	NS	NS	NS
Total PCBs	ND(0.038)	ND(0.040)	0.04	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-18	RFI-83/84-18	RFI-83/84-19	RFI-83/84-19	RFI-83/84-21	RFI-83/84-21	RFI-83/84-22	RFI-83/84-22	RFI-83/84-22
Sample Depth(feet):	0.8-2.8	2.8-4.8	0.8-2.8	2.8-3.4	0.7-2.7	6.7-8.7	1.1-3.1	3.1-5.1	7.1-9.1
Date Collected:	12/10/01	12/10/01	12/10/01	12/10/01	12/07/01	12/07/01	12/07/01	12/07/01	12/07/01
Volatiles									
1,1,1-Trichloroethane	NS	NS	NS	NS	ND(0.038)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.040)
1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	ND(0.076)	ND(0.088)	ND(0.074)	ND(0.078)	ND(0.080)
1,1,2-Trichloroethane	NS	NS	NS	NS	ND(0.038)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.040)
1,1-Dichloroethane	NS	NS	NS	NS	ND(0.038)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.040)
1,1-Dichloroethene	NS	NS	NS	NS	ND(0.038)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.040)
1,2,4-Trichlorobenzene	NS	NS	NS	NS	ND(0.16)	ND(0.19)	ND(0.16)	ND(0.17)	ND(0.17)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NS	NS	ND(0.16)	ND(0.19)	ND(0.16)	ND(0.17)	ND(0.17)
1,2-Dibromoethane (EDB)	NS	NS	NS	NS	ND(0.16)	ND(0.19)	ND(0.16)	ND(0.17)	ND(0.17)
1,2-Dichlorobenzene	NS	NS	NS	NS	ND(0.076)	ND(0.088)	ND(0.074)	ND(0.078)	ND(0.080)
1,2-Dichloroethane	NS	NS	NS	NS	ND(0.038)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.040)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	NS	NS	NS	NS	ND(0.038)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.040)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	ND(0.076)	ND(0.088)	ND(0.074)	ND(0.078)	ND(0.080)
1,4-Dichlorobenzene	NS	NS	NS	NS	ND(0.076)	ND(0.088)	ND(0.074)	ND(0.078)	ND(0.080)
2-Butanone	NS	NS	NS	NS	0.063 J	0.083 J	ND(0.26)	ND(0.28)	ND(0.29)
2-Hexanone	NS	NS	NS	NS	ND(0.27)	ND(0.31)	ND(0.26)	ND(0.28)	ND(0.29)
4-Methyl-2-pentanone	NS	NS	NS	NS	ND(0.27)	ND(0.31)	ND(0.26)	ND(0.28)	ND(0.29)
Acetone	NS	NS	NS	NS	ND(0.27)	ND(0.31)	ND(0.26)	ND(0.28)	ND(0.29)
Benzene	NS	NS	NS	NS	0.36	0.62	0.22	0.081	ND(0.040)
Benzene, isopropyl	NS	NS	NS	NS	0.036 J	0.12 J	0.17	0.084 J	0.037 J
Bromodichloromethane	NS	NS	NS	NS	ND(0.076)	ND(0.088)	ND(0.074)	ND(0.078)	ND(0.080)
Bromoform	NS	NS	NS	NS	ND(0.076)	ND(0.088)	ND(0.074)	ND(0.078)	ND(0.080)
Bromomethane	NS	NS	NS	NS	ND(0.16)	ND(0.19)	ND(0.16)	ND(0.17)	ND(0.17)
Carbon disulfide	NS	NS	NS	NS	ND(0.16)	ND(0.19)	ND(0.16)	ND(0.17)	ND(0.17)
Carbon tetrachloride	NS	NS	NS	NS	ND(0.038)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.040)
Chlorobenzene	NS	NS	NS	NS	ND(0.038)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.040)
Chloroethane	NS	NS	NS	NS	ND(0.16)	ND(0.19)	ND(0.16)	ND(0.17)	ND(0.17)
Chloroform	NS	NS	NS	NS	ND(0.038)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.040)
Chloromethane	NS	NS	NS	NS	ND(0.16)	ND(0.19)	ND(0.16)	ND(0.17)	ND(0.17)
cis-1,2-Dichloroethene	NS	NS	NS	NS	ND(0.038)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.040)
cis-1,3-Dichloropropene	NS	NS	NS	NS	ND(0.038)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.040)
Cyclohexane	NS	NS	NS	NS	0.050 J	0.078 J	0.45	0.2	0.27
Dibromochloromethane	NS	NS	NS	NS	ND(0.076)	ND(0.088)	ND(0.074)	ND(0.078)	ND(0.080)
Dichlorodifluoromethane (CFC-12)	NS	NS	NS	NS	ND(0.076)	ND(0.088)	ND(0.074)	ND(0.078)	ND(0.080)
Ethylbenzene	NS	NS	NS	NS	0.043	0.12	0.51	0.27	0.066
m&p-Xylene	NS	NS	NS	NS	0.14	0.23	1.2	0.65	0.18

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-18	RFI-83/84-18	RFI-83/84-19	RFI-83/84-19	RFI-83/84-21	RFI-83/84-21	RFI-83/84-22	RFI-83/84-22	RFI-83/84-22
Sample Depth(feet):	0.8-2.8	2.8-4.8	0.8-2.8	2.8-3.4	0.7-2.7	6.7-8.7	1.1-3.1	3.1-5.1	7.1-9.1
Date Collected:	12/10/01	12/10/01	12/10/01	12/10/01	12/07/01	12/07/01	12/07/01	12/07/01	12/07/01
Methyl acetate	NS	NS	NS	NS	0.72	0.37	ND(0.16)	ND(0.17)	ND(0.17)
Methyl Tert Butyl Ether	NS	NS	NS	NS	ND(0.27)	ND(0.31)	ND(0.26)	ND(0.28)	ND(0.29)
Methylcyclohexane	NS	NS	NS	NS	0.091 J	0.15 J	2	1	1.1
Methylene chloride	NS	NS	NS	NS	ND(0.16)	ND(0.19)	ND(0.16)	ND(0.17)	ND(0.17)
o-Xylene	NS	NS	NS	NS	0.052	0.099	0.66	0.29	0.084
Styrene	NS	NS	NS	NS	ND(0.038)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.040)
Tetrachloroethene	NS	NS	NS	NS	ND(0.038)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.040)
Toluene	NS	NS	NS	NS	0.15	0.27	0.44	0.2	ND(0.040)
trans-1,2-Dichloroethene	NS	NS	NS	NS	ND(0.038)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.040)
trans-1,3-Dichloropropene	NS	NS	NS	NS	ND(0.038)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.040)
Trichloroethene	NS	NS	NS	NS	ND(0.038)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.040)
Trichlorofluoromethane (CFC-11)	NS	NS	NS	NS	ND(0.076)	ND(0.088)	ND(0.074)	ND(0.078)	ND(0.080)
Trifluorotrichloroethane (Freon 113)	NS	NS	NS	NS	ND(0.16)	ND(0.19)	ND(0.16)	ND(0.17)	ND(0.17)
Vinyl chloride	NS	NS	NS	NS	ND(0.038)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.040)
Xylenes (total)	NS	NS	NS	NS	0.19	0.33	1.9	0.94	0.26
Semivolatiles									
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
2,4,6-Trichlorophenol	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
2,4-Dichlorophenol	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
2,4-Dimethylphenol	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
2,4-Dinitrophenol	NS	NS	NS	NS	ND(0.71)	ND(0.84)	ND(0.71)	ND(3.7)	ND(0.75)
2,4-Dinitrotoluene	NS	NS	NS	NS	ND(0.71)	ND(0.84)	ND(0.71)	ND(3.7)	ND(0.75)
2,6-Dinitrotoluene	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
2-Chloronaphthalene	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
2-Chlorophenol	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
2-Methyl naphthalene	NS	NS	NS	NS	0.11 J	0.98	0.49	3.3	0.31
2-Methylphenol	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
2-Nitroaniline	NS	NS	NS	NS	ND(0.71)	ND(0.84)	ND(0.71)	ND(3.7)	ND(0.75)
2-Nitrophenol	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
3&4-Methylphenol	NS	NS	NS	NS	ND(0.36)	ND(0.42)	ND(0.36)	ND(1.9)	ND(0.38)
3,3-Dichlorobenzidine	NS	NS	NS	NS	ND(0.71)	ND(0.84)	ND(0.71)	ND(3.7)	ND(0.75)
3-Nitroaniline	NS	NS	NS	NS	ND(0.71)	ND(0.84)	ND(0.71)	ND(3.7)	ND(0.75)
4,6-Dinitro-2-methylphenol	NS	NS	NS	NS	ND(0.71)	ND(0.84)	ND(0.71)	ND(3.7)	ND(0.75)
4-Bromophenyl phenyl ether	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
4-Chloro-3-methylphenol	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-18	RFI-83/84-18	RFI-83/84-19	RFI-83/84-19	RFI-83/84-21	RFI-83/84-21	RFI-83/84-22	RFI-83/84-22	RFI-83/84-22
Sample Depth(feet):	0.8-2.8	2.8-4.8	0.8-2.8	2.8-3.4	0.7-2.7	6.7-8.7	1.1-3.1	3.1-5.1	7.1-9.1
Date Collected:	12/10/01	12/10/01	12/10/01	12/10/01	12/07/01	12/07/01	12/07/01	12/07/01	12/07/01
4-Chloroaniline	NS	NS	NS	NS	ND(0.71)	ND(0.84)	ND(0.71)	ND(3.7)	ND(0.75)
4-Chlorophenyl phenyl ether	NS	NS	NS	NS	ND(0.71)	ND(0.84)	ND(0.71)	ND(3.7)	ND(0.75)
4-Nitroaniline	NS	NS	NS	NS	ND(0.71)	ND(0.84)	ND(0.71)	ND(3.7)	ND(0.75)
4-Nitrophenol	NS	NS	NS	NS	ND(0.71)	ND(0.84)	ND(0.71)	ND(3.7)	ND(0.75)
Acenaphthene	NS	NS	NS	NS	0.13 J	3.3	0.4	16	ND(0.19)
Acenaphthylene	NS	NS	NS	NS	ND(0.18)	ND(0.21)	0.052 J	0.28 J	ND(0.19)
Acetophenone	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
Anthracene	NS	NS	NS	NS	0.28	6.7 D	0.29	61 D	0.092 J
Atrazine	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
Benzaldehyde	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
Benzo(a)anthracene	NS	NS	NS	NS	0.74	13 D	1.2	81 D(RDC)	0.3
Benzo(a)pyrene	NS	NS	NS	NS	0.76	13 D(RDC,IDC)	1.4	66 D(RDC,IDC)	ND(0.19)
Benzo(b)fluoranthene	NS	NS	NS	NS	0.74	11 D	1.4	63 D(RDC)	ND(0.19)
Benzo(g,h,i)perylene	NS	NS	NS	NS	0.64	6.0 D	2.2	28 D	ND(0.19)
Benzo(k)fluoranthene	NS	NS	NS	NS	0.75	11 D	0.74	59 D	ND(0.19)
Biphenyl	NS	NS	NS	NS	ND(0.18)	0.29	0.099 J	0.96	0.091 J
bis(2-Chloroethoxy)methane	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
bis(2-Chloroethyl)ether	NS	NS	NS	NS	ND(0.035)	ND(0.041)	ND(0.035)	ND(0.18)	ND(0.037)
bis(2-Chloroisopropyl)ether	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
Butyl benzylphthalate	NS	NS	NS	NS	ND(0.18)	ND(0.21)	0.29	0.48 J	ND(0.19)
Caprolactam	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
Carbazole	NS	NS	NS	NS	0.14 J	2.5	0.13 J	40 D	ND(0.19)
Chrysene	NS	NS	NS	NS	0.82	13 D	1.3	85 D	0.32
Di-n-butylphthalate	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
Di-n-octyl phthalate	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
Dibenzo(a,h)anthracene	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
Dibenzofuran	NS	NS	NS	NS	0.083 J	1.6	0.22	11	ND(0.19)
Diethyl phthalate	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
Dimethyl phthalate	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
Fluoranthene	NS	NS	NS	NS	1.2	24 D	1.3	180 D	0.17 J
Fluorene	NS	NS	NS	NS	0.14 J	3.7	0.41	35 D	0.41
Hexachlorobenzene	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
Hexachlorobutadiene	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
Hexachlorocyclopentadiene	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
Hexachloroethane	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	0.47	5.9 D	1.6	29 D(RDC)	ND(0.19)
Isophorone	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
Methylphenols, Total	NS	NS	NS	NS	ND(0.36)	ND(0.42)	ND(0.36)	ND(1.9)	ND(0.38)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-18	RFI-83/84-18	RFI-83/84-19	RFI-83/84-19	RFI-83/84-21	RFI-83/84-21	RFI-83/84-22	RFI-83/84-22	RFI-83/84-22
Sample Depth(feet):	0.8-2.8	2.8-4.8	0.8-2.8	2.8-3.4	0.7-2.7	6.7-8.7	1.1-3.1	3.1-5.1	7.1-9.1
Date Collected:	12/10/01	12/10/01	12/10/01	12/10/01	12/07/01	12/07/01	12/07/01	12/07/01	12/07/01
N-Nitrosodi-n-propylamine	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
N-Nitrosodiphenylamine	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
Naphthalene	NS	NS	NS	NS	0.10 J	1.9	0.58	3.4	0.10 J
Nitrobenzene	NS	NS	NS	NS	ND(0.071)	ND(0.084)	ND(0.071)	ND(0.37)	ND(0.075)
Pentachlorophenol	NS	NS	NS	NS	ND(0.71)	ND(0.84)	ND(0.71)	ND(3.7)	ND(0.75)
Phenanthrene	NS	NS	NS	NS	0.98	20 D	1.9	190 D(RVSICI,IVSICI)	0.81
Phenol	NS	NS	NS	NS	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.94)	ND(0.19)
Pyrene	NS	NS	NS	NS	2.2	25 D	4.7 D	160 D	0.69
Inorganics									
Antimony	NS	NS	NS	NS	0.57	21	1.2	1.1	ND(0.20)
Arsenic	NS	NS	NS	NS	5.5	47(RDC)	2.5	7.2	5.8
Barium	NS	NS	NS	NS	64	530	27	89	34
Beryllium	NS	NS	NS	NS	0.43	5.6	0.31	0.51	0.56
Cadmium	NS	NS	NS	NS	0.18	2.2	0.19	0.3	0.15
Chromium	NS	NS	NS	NS	36	270	20	37	11
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	3.7	92	2.4	4.8	6.1
Copper	NS	NS	NS	NS	940	6500	370	510	12
Cyanide (total)	NS	NS	NS	NS	0.039 J	0.049 J	0.24	0.23	ND(0.20)
Lead	400	1,100(RDC,IDC)	110	38	220	2,900(RDC,IDC)	530(RDC)	300	9.5
Manganese	NS	NS	NS	NS	290	3,500(RPSIC,IPSIC)	190	380	120
Mercury	NS	NS	NS	NS	0.053 J	0.13	0.12	0.088	0.019 J
Nickel	NS	NS	NS	NS	33	94	16	28	12
Selenium	NS	NS	NS	NS	0.076	1.1	0.14	0.12	0.094
Silver	NS	NS	NS	NS	0.28	1.2	0.44	0.22 J	0.044 J
Thallium	NS	NS	NS	NS	0.044 J	0.13 J	0.044 J	0.069 J	0.12 J
Vanadium	NS	NS	NS	NS	7.3	66	5.3	12	16
Zinc	NS	NS	NS	NS	47	2900	46	110	31
PCBs									
Aroclor-1016	NS	NS	NS	NS	ND(0.037)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.039)
Aroclor-1221	NS	NS	NS	NS	ND(0.037)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.039)
Aroclor-1232	NS	NS	NS	NS	ND(0.037)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.039)
Aroclor-1242	NS	NS	NS	NS	ND(0.037)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.039)
Aroclor-1248	NS	NS	NS	NS	ND(0.037)	ND(0.044)	ND(0.037)	ND(0.039)	ND(0.039)
Aroclor-1254	NS	NS	NS	NS	ND(0.037)	ND(0.044)	0.23	0.098	ND(0.039)
Aroclor-1260	NS	NS	NS	NS	ND(0.037)	ND(0.044)	0.053	ND(0.039)	ND(0.039)
Total PCBs	NS	NS	NS	NS	ND(0.037)	ND(0.044)	0.28	0.098	ND(0.039)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-23	RFI-83/84-23	RFI-83/84-24	RFI-83/84-24	RFI-83/84-24	RFI-83/84-25	RFI-83/84-25	RFI-83/84-25	RFI-83/84-26
Sample Depth(feet):	1-3	5-7	0.8-2.8	4.8-6.8	6.8-8.8	0.7-2.7	10.7-12.7	8.7-10.7	0.8-2.8
Date Collected:	12/07/01	12/07/01	12/07/01	12/07/01	12/07/01	12/05/01	12/05/01	12/05/01	12/07/01
Volatiles									
1,1,1-Trichloroethane	ND(0.035) [ND(0.035)]	ND(0.038)	ND(0.037) [ND(0.036)]	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)
1,1,2,2-Tetrachloroethane	ND(0.071) [ND(0.070)]	ND(0.076)	ND(0.073) [ND(0.072)]	ND(0.077)	ND(0.079)	ND(0.073)	ND(0.080)	ND(0.075)	ND(0.080)
1,1,2-Trichloroethane	ND(0.035) [ND(0.035)]	ND(0.038)	ND(0.037) [ND(0.036)]	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)
1,1-Dichloroethane	ND(0.035) [ND(0.035)]	0.077	ND(0.037) [ND(0.036)]	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)
1,1-Dichloroethene	ND(0.035) [ND(0.035)]	ND(0.038)	ND(0.037) [ND(0.036)]	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)
1,2,4-Trichlorobenzene	ND(0.15) [ND(0.15)]	ND(0.16)	ND(0.16) [ND(0.15)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.15) [ND(0.15)]	ND(0.16)	ND(0.16) [ND(0.15)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)
1,2-Dibromoethane (EDB)	ND(0.15) [ND(0.15)]	ND(0.16)	ND(0.16) [ND(0.15)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)
1,2-Dichlorobenzene	ND(0.071) [ND(0.070)]	ND(0.076)	ND(0.073) [ND(0.072)]	ND(0.077)	ND(0.079)	ND(0.073)	ND(0.080)	ND(0.075)	ND(0.080)
1,2-Dichloroethane	ND(0.035) [ND(0.035)]	ND(0.038)	ND(0.037) [ND(0.036)]	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.035) [ND(0.035)]	ND(0.038)	ND(0.037) [ND(0.036)]	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.071) [ND(0.070)]	ND(0.076)	ND(0.073) [ND(0.072)]	ND(0.077)	ND(0.079)	ND(0.073)	ND(0.080)	ND(0.075)	ND(0.080)
1,4-Dichlorobenzene	ND(0.071) [ND(0.070)]	ND(0.076)	ND(0.073) [ND(0.072)]	ND(0.077)	ND(0.079)	ND(0.073)	ND(0.080)	ND(0.075)	ND(0.080)
2-Butanone	ND(0.25) [ND(0.25)]	0.27 J	ND(0.26) [ND(0.26)]	0.15 J	0.079 J	ND(0.26)	ND(0.28)	ND(0.27)	ND(0.29)
2-Hexanone	ND(0.25) [ND(0.25)]	ND(0.27)	ND(0.26) [ND(0.26)]	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.28)	ND(0.27)	ND(0.29)
4-Methyl-2-pentanone	ND(0.25) [ND(0.25)]	ND(0.27)	ND(0.26) [ND(0.26)]	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.28)	ND(0.27)	ND(0.29)
Acetone	ND(0.25) [ND(0.25)]	ND(0.27)	ND(0.26) [ND(0.26)]	0.46	0.23 J	ND(0.26)	ND(0.28)	ND(0.27)	ND(0.29)
Benzene	ND(0.035) [ND(0.035)]	1.4	ND(0.037) [ND(0.036)]	0.17	0.08	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)
Benzene, isopropyl	ND(0.15) [ND(0.15)]	0.13 J	ND(0.16) [ND(0.15)]	0.63	0.39	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)
Bromodichloromethane	ND(0.071) [ND(0.070)]	ND(0.076)	ND(0.073) [ND(0.072)]	ND(0.077)	ND(0.079)	ND(0.073)	ND(0.080)	ND(0.075)	ND(0.080)
Bromoform	ND(0.071) [ND(0.070)]	ND(0.076)	ND(0.073) [ND(0.072)]	ND(0.077)	ND(0.079)	ND(0.073)	ND(0.080)	ND(0.075)	ND(0.080)
Bromomethane	ND(0.15) [ND(0.15)]	ND(0.16)	ND(0.16) [ND(0.15)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)
Carbon disulfide	ND(0.15) [ND(0.15)]	ND(0.16)	ND(0.16) [ND(0.15)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)
Carbon tetrachloride	ND(0.035) [ND(0.035)]	ND(0.038)	ND(0.037) [ND(0.036)]	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)
Chlorobenzene	ND(0.035) [ND(0.035)]	ND(0.038)	ND(0.037) [ND(0.036)]	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)
Chloroethane	ND(0.15) [ND(0.15)]	ND(0.16)	ND(0.16) [ND(0.15)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)
Chloroform	ND(0.035) [ND(0.035)]	ND(0.038)	ND(0.037) [ND(0.036)]	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)
Chloromethane	ND(0.15) [ND(0.15)]	ND(0.16)	ND(0.16) [ND(0.15)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)
cis-1,2-Dichloroethene	ND(0.035) [ND(0.035)]	0.083	ND(0.037) [ND(0.036)]	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)
cis-1,3-Dichloropropene	ND(0.035) [ND(0.035)]	ND(0.038)	ND(0.037) [ND(0.036)]	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)
Cyclohexane	ND(0.15) [ND(0.15)]	0.076 J	ND(0.16) [ND(0.15)]	0.24	0.15 J	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)
Dibromochloromethane	ND(0.071) [ND(0.070)]	ND(0.076)	ND(0.073) [ND(0.072)]	ND(0.077)	ND(0.079)	ND(0.073)	ND(0.080)	ND(0.075)	ND(0.080)
Dichlorodifluoromethane (CFC-12)	ND(0.071) [ND(0.070)]	ND(0.076)	ND(0.073) [ND(0.072)]	ND(0.077)	ND(0.079)	ND(0.073)	ND(0.080)	ND(0.075)	ND(0.080)
Ethylbenzene	ND(0.035) [ND(0.035)]	0.31	ND(0.037) [ND(0.036)]	0.59	0.11	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)
m&p-Xylene	0.030 J [ND(0.070)]	1.2	ND(0.073) [ND(0.072)]	2.4	0.37	ND(0.073)	ND(0.080)	ND(0.075)	ND(0.080)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-23	RFI-83/84-23	RFI-83/84-24	RFI-83/84-24	RFI-83/84-24	RFI-83/84-25	RFI-83/84-25	RFI-83/84-25	RFI-83/84-26
Sample Depth(feet):	1-3	5-7	0.8-2.8	4.8-6.8	6.8-8.8	0.7-2.7	10.7-12.7	8.7-10.7	0.8-2.8
Date Collected:	12/07/01	12/07/01	12/07/01	12/07/01	12/07/01	12/05/01	12/05/01	12/05/01	12/07/01
Methyl acetate	0.33 [0.43]	0.16 J	0.031 J [0.042 J]	0.23	0.13 J	ND(0.16)	ND(0.17)	ND(0.16)	0.039 J
Methyl Tert Butyl Ether	ND(0.25) [ND(0.25)]	ND(0.27)	ND(0.26) [ND(0.26)]	ND(0.27)	ND(0.28)	ND(0.26)	ND(0.28)	ND(0.27)	ND(0.29)
Methylcyclohexane	ND(0.15) [ND(0.15)]	0.23	ND(0.16) [ND(0.15)]	1.8	1.2	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)
Methylene chloride	ND(0.15) [ND(0.15)]	ND(0.16)	ND(0.16) [ND(0.15)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)
o-Xylene	ND(0.035) [ND(0.035)]	0.45	ND(0.037) [ND(0.036)]	1.3	0.28	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)
Styrene	ND(0.035) [ND(0.035)]	ND(0.038)	ND(0.037) [ND(0.036)]	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)
Tetrachloroethene	ND(0.035) [ND(0.035)]	ND(0.038)	ND(0.037) [ND(0.036)]	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)
Toluene	ND(0.035) [ND(0.035)]	0.45	ND(0.037) [ND(0.036)]	0.099	0.030 J	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)
trans-1,2-Dichloroethene	ND(0.035) [ND(0.035)]	ND(0.038)	ND(0.037) [ND(0.036)]	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)
trans-1,3-Dichloropropene	ND(0.035) [ND(0.035)]	ND(0.038)	ND(0.037) [ND(0.036)]	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)
Trichloroethene	ND(0.035) [ND(0.035)]	0.035 J	ND(0.037) [ND(0.036)]	ND(0.038)	ND(0.040)	0.082	0.052	ND(0.038)	ND(0.040)
Trichlorofluoromethane (CFC-11)	ND(0.071) [ND(0.070)]	ND(0.076)	ND(0.073) [ND(0.072)]	ND(0.077)	ND(0.079)	ND(0.073)	ND(0.080)	ND(0.075)	ND(0.080)
Trifluorotrichloroethane (Freon 113)	ND(0.15) [ND(0.15)]	ND(0.16)	ND(0.16) [ND(0.15)]	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.17)
Vinyl chloride	ND(0.035) [ND(0.035)]	ND(0.038)	ND(0.037) [ND(0.036)]	ND(0.038)	ND(0.040)	ND(0.037)	ND(0.040)	ND(0.038)	ND(0.040)
Xylenes (total)	0.03 [ND(0.070)]	1.7	ND(0.073) [ND(0.072)]	3.7	0.65	ND(0.073)	ND(0.080)	ND(0.075)	ND(0.080)
Semivolatiles									
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
2,4,6-Trichlorophenol	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
2,4-Dichlorophenol	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
2,4-Dimethylphenol	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
2,4-Dinitrophenol	ND(0.68) [ND(0.68)]	ND(0.74)	ND(0.69) [ND(0.69)]	ND(3.7)	ND(0.77)	ND(0.71)	ND(0.78)	ND(0.72)	ND(0.76)
2,4-Dinitrotoluene	ND(0.68) [ND(0.68)]	ND(0.74)	ND(0.69) [ND(0.69)]	ND(3.7)	ND(0.77)	ND(0.71)	ND(0.78)	ND(0.72)	ND(0.76)
2,6-Dinitrotoluene	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
2-Chloronaphthalene	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
2-Chlorophenol	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
2-Methyl naphthalene	ND(0.17) [ND(0.17)]	0.55	ND(0.17) [ND(0.17)]	4.1	2	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
2-Methylphenol	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
2-Nitroaniline	ND(0.68) [ND(0.68)]	ND(0.74)	ND(0.69) [ND(0.69)]	ND(3.7)	ND(0.77)	ND(0.71)	ND(0.78)	ND(0.72)	ND(0.76)
2-Nitrophenol	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
3&4-Methylphenol	ND(0.35) [ND(0.35)]	ND(0.38)	ND(0.35) [ND(0.35)]	ND(1.9)	ND(0.39)	ND(0.36)	ND(0.39)	ND(0.37)	ND(0.39)
3,3-Dichlorobenzidine	ND(0.68) [ND(0.68)]	ND(0.74)	ND(0.69) [ND(0.69)]	ND(3.7)	ND(0.77)	ND(0.71)	ND(0.78)	ND(0.72)	ND(0.76)
3-Nitroaniline	ND(0.68) [ND(0.68)]	ND(0.74)	ND(0.69) [ND(0.69)]	ND(3.7)	ND(0.77)	ND(0.71)	ND(0.78)	ND(0.72)	ND(0.76)
4,6-Dinitro-2-methylphenol	ND(0.68) [ND(0.68)]	ND(0.74)	ND(0.69) [ND(0.69)]	ND(3.7)	ND(0.77)	ND(0.71)	ND(0.78)	ND(0.72)	ND(0.76)
4-Bromophenyl phenyl ether	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
4-Chloro-3-methylphenol	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-23	RFI-83/84-23	RFI-83/84-24	RFI-83/84-24	RFI-83/84-24	RFI-83/84-25	RFI-83/84-25	RFI-83/84-25	RFI-83/84-26
Sample Depth(feet):	1-3	5-7	0.8-2.8	4.8-6.8	6.8-8.8	0.7-2.7	10.7-12.7	8.7-10.7	0.8-2.8
Date Collected:	12/07/01	12/07/01	12/07/01	12/07/01	12/07/01	12/05/01	12/05/01	12/05/01	12/07/01
4-Chloroaniline	ND(0.68) [ND(0.68)]	ND(0.74)	ND(0.69) [ND(0.69)]	ND(3.7)	ND(0.77)	ND(0.71)	ND(0.78)	ND(0.72)	ND(0.76)
4-Chlorophenyl phenyl ether	ND(0.68) [ND(0.68)]	ND(0.74)	ND(0.69) [ND(0.69)]	ND(3.7)	ND(0.77)	ND(0.71)	ND(0.78)	ND(0.72)	ND(0.76)
4-Nitroaniline	ND(0.68) [ND(0.68)]	ND(0.74)	ND(0.69) [ND(0.69)]	ND(3.7)	ND(0.77)	ND(0.71)	ND(0.78)	ND(0.72)	ND(0.76)
4-Nitrophenol	ND(0.68) [ND(0.68)]	ND(0.74)	ND(0.69) [ND(0.69)]	ND(3.7)	ND(0.77)	ND(0.71)	ND(0.78)	ND(0.72)	ND(0.76)
Acenaphthene	ND(0.17) [ND(0.17)]	0.54	ND(0.17) [ND(0.17)]	0.71 J	0.85	ND(0.18)	0.39	ND(0.18)	ND(0.19)
Acenaphthylene	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
Acetophenone	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
Anthracene	0.055 J [0.036 J]	0.31	ND(0.17) [ND(0.17)]	0.26 J	1.1	ND(0.18)	0.85	ND(0.18)	0.19 J
Atrazine	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
Benzaldehyde	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
Benzo(a)anthracene	0.14 J [0.084 J]	1.3	ND(0.17) [ND(0.17)]	1.6	1.6	0.034 J	1.2	ND(0.18)	1.9
Benzo(a)pyrene	ND(0.17) [ND(0.17)]	0.48	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	1.1	ND(0.18)	2.1(RDC)
Benzo(b)fluoranthene	ND(0.17) [ND(0.17)]	0.57	ND(0.17) [ND(0.17)]	ND(0.94)	0.51	ND(0.18)	1.1	ND(0.18)	2.6
Benzo(g,h,i)perylene	ND(0.17) [ND(0.17)]	0.44	ND(0.17) [ND(0.17)]	ND(0.94)	0.6	ND(0.18)	0.57	ND(0.18)	2.2
Benzo(k)fluoranthene	ND(0.17) [ND(0.17)]	0.32	ND(0.17) [ND(0.17)]	ND(0.94)	0.31	ND(0.18)	0.95	ND(0.18)	1.9
Biphenyl	ND(0.17) [ND(0.17)]	0.28	ND(0.17) [ND(0.17)]	0.71 J	0.19 J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
bis(2-Chloroethoxy)methane	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
bis(2-Chloroethyl)ether	ND(0.034) [ND(0.034)]	ND(0.036)	ND(0.034) [ND(0.034)]	ND(0.18)	ND(0.038)	ND(0.035)	ND(0.038)	ND(0.036)	ND(0.038)
bis(2-Chloroisopropyl)ether	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
bis(2-Ethylhexyl)phthalate	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
Butyl benzylphthalate	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	0.046 J	ND(0.20)	ND(0.18)	ND(0.19)
Caprolactam	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
Carbazole	0.040 J [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	0.4	ND(0.18)	0.086 J
Chrysene	0.13 J [0.095 J]	2	ND(0.17) [ND(0.17)]	2.7	2.5	0.039 J	1.2	ND(0.18)	2.7
Di-n-butylphthalate	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
Di-n-octyl phthalate	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
Dibenzo(a,h)anthracene	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	0.26	ND(0.18)	ND(0.19)
Dibenzofuran	ND(0.17) [ND(0.17)]	0.28	ND(0.17) [ND(0.17)]	0.84 J	0.73	ND(0.18)	0.24	ND(0.18)	ND(0.19)
Diethyl phthalate	0.060 J [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
Dimethyl phthalate	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
Fluoranthene	0.31 [0.23]	ND(0.19)	ND(0.17) [ND(0.17)]	0.36 J	1.1	0.087 J	3.1	ND(0.18)	2.1
Fluorene	0.060 J [0.044 J]	0.49	ND(0.17) [ND(0.17)]	1	1.7	ND(0.18)	0.47	ND(0.18)	ND(0.19)
Hexachlorobenzene	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
Hexachlorobutadiene	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
Hexachlorocyclopentadiene	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
Hexachloroethane	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
Indeno(1,2,3-cd)pyrene	ND(0.17) [ND(0.17)]	0.43	ND(0.17) [ND(0.17)]	ND(0.94)	0.48	ND(0.18)	0.59	ND(0.18)	1.9
Isophorone	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
Methylphenols, Total	ND(0.35) [ND(0.35)]	ND(0.38)	ND(0.35) [ND(0.35)]	ND(1.9)	ND(0.39)	ND(0.36)	ND(0.39)	ND(0.37)	ND(0.39)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-23	RFI-83/84-23	RFI-83/84-24	RFI-83/84-24	RFI-83/84-24	RFI-83/84-25	RFI-83/84-25	RFI-83/84-25	RFI-83/84-26
Sample Depth(feet):	1-3	5-7	0.8-2.8	4.8-6.8	6.8-8.8	0.7-2.7	10.7-12.7	8.7-10.7	0.8-2.8
Date Collected:	12/07/01	12/07/01	12/07/01	12/07/01	12/07/01	12/05/01	12/05/01	12/05/01	12/07/01
N-Nitrosodi-n-propylamine	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
N-Nitrosodiphenylamine	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
Naphthalene	ND(0.17) [ND(0.17)]	0.37	0.035 J [ND(0.17)]	2.3	1.3	ND(0.18)	0.055 J	ND(0.18)	ND(0.19)
Nitrobenzene	ND(0.068) [ND(0.068)]	ND(0.074)	ND(0.069) [ND(0.069)]	ND(0.37)	ND(0.077)	ND(0.071)	ND(0.078)	ND(0.072)	ND(0.076)
Pentachlorophenol	ND(0.68) [ND(0.68)]	ND(0.74)	ND(0.69) [ND(0.69)]	ND(3.7)	ND(0.77)	ND(0.71)	ND(0.78)	ND(0.72)	ND(0.76)
Phenanthrene	0.3 [0.21]	1.7	ND(0.17) [ND(0.17)]	3	6.1 D	0.081 J	3.1	ND(0.18)	0.75
Phenol	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.17) [ND(0.17)]	ND(0.94)	ND(0.20)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.19)
Pyrene	0.44 [0.28]	2.9	ND(0.17) [ND(0.17)]	2.8	3.9	0.060 J	2.3	ND(0.18)	3.9
Inorganics									
Antimony	0.033 J [0.035 J]	22	0.019 J [0.020 J]	18	0.49	ND(0.18)	ND(0.25)	ND(0.25)	0.56
Arsenic	2.8 [2.4]	28(RDC)	2.7 [2.8]	11(RDC)	10(RDC)	2	2.2	2.3	4.2
Barium	11 [11]	240	7.5 [7.3]	69	70	8.5	8.9	8.7	330
Beryllium	0.28 [0.30]	11	0.24 [0.20]	6.2	0.98	0.083	0.077 J	0.17	0.54
Cadmium	0.12 [0.12]	2.6	0.099 [0.083]	1	0.32	0.022	0.066	0.066	0.17
Chromium	6.6 [5.5]	99	6.1 [4.8]	180	28	22	5.8	6.6	9.5
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	2.1 [2.5]	23	2 [1.9]	130	6.8	1.6	1.5	2.1	4.2
Copper	10 [12]	12000	6.8 [6.7]	11000	1400	16	17	22	160
Cyanide (total)	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)	0.044 J	ND(0.20)	0.82	3.2	ND(0.20)
Lead	10 [7.5]	6,500(RDC,IDC)	5.3 [4.8]	3,200(RDC,IDC)	600(RDC)	2.6	4.6	5.5	470(RDC)
Manganese	180 [180]	2,600(IPSIC)	150 [140]	1,800(IPSIC)	430	160	57	69	230
Mercury	ND(0.071) [ND(0.069)]	0.099	ND(0.069) [ND(0.072)]	0.16	0.055 J	ND(0.074)	0.020 J	ND(0.076)	0.073 J
Nickel	6.8 [6.8]	76	5.9 [5.2]	67	33	12	4.9	5.9	20
Selenium	0.062 J [0.11]	1.1	0.11 [0.065 J]	0.45	0.14	ND(0.072)	ND(0.10)	ND(0.10)	0.29 J
Silver	0.042 J [0.042 J]	3.6	0.029 J [0.021 J]	2.6	0.63	0.016 J	ND(0.25)	ND(0.25)	0.079 J
Thallium	0.046 J [0.048 J]	0.12 J	0.043 J [0.042 J]	0.13 J	0.079 J	0.023 J	0.040 J	0.047 J	0.11 J
Vanadium	7.6 [7.4]	51	6.2 [6.4]	38	18	4.8	7	9.8	14
Zinc	23 [21]	1900	16 [16]	490	120	6.5 B	24 B	24 B	64
PCBs									
Aroclor-1016	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.040)
Aroclor-1221	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.040)
Aroclor-1232	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.040)
Aroclor-1242	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.040)
Aroclor-1248	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.038)	ND(0.040)
Aroclor-1254	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.039)	0.18	ND(0.037)	ND(0.041)	ND(0.038)	0.67
Aroclor-1260	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.040)	ND(0.037)	ND(0.041)	ND(0.038)	0.14
Total PCBs	ND(0.036) [ND(0.036)]	ND(0.039)	ND(0.036) [ND(0.036)]	ND(0.039)	0.18	ND(0.037)	ND(0.041)	ND(0.038)	0.81

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-26	RFI-83/84-27	RFI-83/84-27	RFI-83/84-27	RFI-83/84-28	RFI-83/84-28	RFI-83/84-29	RFI-83/84-29	RFI-84-01	RFI-84-01
Sample Depth(feet):	6.8-8.8	0.7-2.7	6.7-8.7	8.7-10.7	0.7-2.7	2.7-4.7	1-3	9-11	0.5-2	16-17.5
Date Collected:	12/07/01	12/13/01	12/13/01	12/13/01	12/13/01	12/13/01	01/17/02	01/17/02	05/07/01	05/07/01
Volatiles										
1,1,1-Trichloroethane	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.041)	ND(0.040)	ND(0.061)	0.057	ND(0.038)
1,1,2,2-Tetrachloroethane	ND(0.079)	ND(0.074)	ND(0.075)	ND(0.073) [ND(0.074)]	ND(0.081)	ND(0.082)	ND(0.080)	ND(0.12)	ND(0.079)	ND(0.076)
1,1,2-Trichloroethane	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.041)	ND(0.040)	ND(0.061)	ND(0.040)	ND(0.038)
1,1-Dichloroethane	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.041)	ND(0.040)	ND(0.061)	ND(0.040)	ND(0.038)
1,1-Dichloroethene	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.041)	ND(0.040)	ND(0.061)	ND(0.040)	ND(0.038)
1,2,4-Trichlorobenzene	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.26)	ND(0.17)	ND(0.16)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.26)	ND(0.17)	ND(0.16)
1,2-Dibromoethane (EDB)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.26)	ND(0.17)	ND(0.16)
1,2-Dichlorobenzene	0.053 J	ND(0.074)	ND(0.075)	ND(0.073) [ND(0.074)]	ND(0.081)	ND(0.082)	ND(0.080)	ND(0.12)	ND(0.079)	ND(0.076)
1,2-Dichloroethane	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.041)	ND(0.040)	ND(0.061)	ND(0.040)	ND(0.038)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.041)	ND(0.040)	ND(0.061)	ND(0.040)	ND(0.038)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.079)	ND(0.074)	ND(0.075)	ND(0.073) [ND(0.074)]	ND(0.081)	ND(0.082)	ND(0.080)	ND(0.12)	ND(0.079)	ND(0.076)
1,4-Dichlorobenzene	ND(0.079)	ND(0.074)	ND(0.075)	ND(0.073) [ND(0.074)]	ND(0.081)	ND(0.082)	ND(0.080)	ND(0.12)	ND(0.079)	ND(0.076)
2-Butanone	0.080 J	ND(0.26)	ND(0.27)	ND(0.26) [ND(0.26)]	ND(0.29)	ND(0.29)	0.060 J	0.096 J	ND(0.28)	ND(0.27)
2-Hexanone	ND(0.28)	ND(0.26)	ND(0.27)	ND(0.26) [ND(0.26)]	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.44)	ND(0.28)	ND(0.27)
4-Methyl-2-pentanone	ND(0.28)	ND(0.26)	ND(0.27)	ND(0.26) [ND(0.26)]	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.44)	ND(0.28)	ND(0.27)
Acetone	ND(0.28)	ND(0.26)	ND(0.27)	ND(0.26) [ND(0.26)]	ND(0.29)	ND(0.29)	ND(0.29)	0.18 J	ND(0.28)	ND(0.27)
Benzene	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.041)	ND(0.040)	ND(0.061)	ND(0.040)	ND(0.038)
Benzene, isopropyl	0.030 J	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.26)	ND(0.17)	ND(0.16)
Bromodichloromethane	ND(0.079)	ND(0.074)	ND(0.075)	ND(0.073) [ND(0.074)]	ND(0.081)	ND(0.082)	ND(0.080)	ND(0.12)	ND(0.079)	ND(0.076)
Bromoform	ND(0.079)	ND(0.074)	ND(0.075)	ND(0.073) [ND(0.074)]	ND(0.081)	ND(0.082)	ND(0.080)	ND(0.12)	ND(0.079)	ND(0.076)
Bromomethane	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.26)	ND(0.17)	ND(0.16)
Carbon disulfide	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.26)	ND(0.17)	ND(0.16)
Carbon tetrachloride	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.041)	ND(0.040)	ND(0.061)	ND(0.040)	ND(0.038)
Chlorobenzene	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.041)	ND(0.040)	ND(0.061)	ND(0.040)	ND(0.038)
Chloroethane	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.26)	ND(0.17)	ND(0.16)
Chloroform	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.041)	ND(0.040)	ND(0.061)	ND(0.040)	ND(0.038)
Chloromethane	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.26)	ND(0.17)	ND(0.16)
cis-1,2-Dichloroethene	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.041)	ND(0.040)	ND(0.061)	ND(0.040)	ND(0.038)
cis-1,3-Dichloropropene	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.041)	ND(0.040)	ND(0.061)	ND(0.040)	ND(0.038)
Cyclohexane	ND(0.17)	ND(0.16)	0.049 J	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.18)	0.11 J	ND(0.26)	ND(0.17)	ND(0.16)
Dibromochloromethane	ND(0.079)	ND(0.074)	ND(0.075)	ND(0.073) [ND(0.074)]	ND(0.081)	ND(0.082)	ND(0.080)	ND(0.12)	ND(0.079)	ND(0.076)
Dichlorodifluoromethane (CFC-12)	ND(0.079)	ND(0.074)	ND(0.075)	ND(0.073) [ND(0.074)]	ND(0.081)	ND(0.082)	ND(0.080)	ND(0.12)	ND(0.079)	ND(0.076)
Ethylbenzene	0.04	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.041)	0.029 J	ND(0.061)	ND(0.040)	ND(0.038)
m&p-Xylene	0.12	ND(0.074)	0.060 J	ND(0.073) [ND(0.074)]	0.047 J	ND(0.082)	0.15	ND(0.12)	0.078 J	ND(0.076)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-26	RFI-83/84-27	RFI-83/84-27	RFI-83/84-27	RFI-83/84-28	RFI-83/84-28	RFI-83/84-29	RFI-83/84-29	RFI-84-01	RFI-84-01
Sample Depth(feet):	6.8-8.8	0.7-2.7	6.7-8.7	8.7-10.7	0.7-2.7	2.7-4.7	1-3	9-11	0.5-2	16-17.5
Date Collected:	12/07/01	12/13/01	12/13/01	12/13/01	12/13/01	12/13/01	01/17/02	01/17/02	05/07/01	05/07/01
Methyl acetate	ND(0.17)	0.090 J	0.19	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.18)	0.37	0.17 J	ND(0.17)	ND(0.16)
Methyl Tert Butyl Ether	ND(0.28)	ND(0.26)	ND(0.27)	ND(0.26) [ND(0.26)]	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.44)	ND(0.28)	ND(0.27)
Methylcyclohexane	0.15 J	ND(0.16)	0.11 J	ND(0.16) [0.035 J]	0.11 J	ND(0.18)	0.44	ND(0.26)	0.056 J	ND(0.16)
Methylene chloride	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.26)	ND(0.17)	ND(0.16)
o-Xylene	0.051	ND(0.037)	0.036 J	ND(0.037) [ND(0.037)]	0.033 J	ND(0.041)	0.14	ND(0.061)	ND(0.040)	ND(0.038)
Styrene	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.041)	ND(0.040)	ND(0.061)	ND(0.040)	ND(0.038)
Tetrachloroethene	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.041)	ND(0.040)	ND(0.061)	ND(0.040)	ND(0.038)
Toluene	0.062	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.041)	0.13	ND(0.061)	ND(0.040)	ND(0.038)
trans-1,2-Dichloroethene	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.041)	ND(0.040)	ND(0.061)	ND(0.040)	ND(0.038)
trans-1,3-Dichloropropene	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.041)	ND(0.040)	ND(0.061)	ND(0.040)	ND(0.038)
Trichloroethene	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.041)	ND(0.040)	ND(0.061)	0.49	ND(0.038)
Trichlorofluoromethane (CFC-11)	ND(0.079)	ND(0.074)	ND(0.075)	ND(0.073) [ND(0.074)]	ND(0.081)	ND(0.082)	ND(0.080)	ND(0.12)	ND(0.079)	ND(0.076)
Trifluorotrichloroethane (Freon 113)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.26)	ND(0.17)	ND(0.16)
Vinyl chloride	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.041)	ND(0.040)	ND(0.061)	ND(0.040)	ND(0.038)
Xylenes (total)	0.17	ND(0.074)	0.096	ND(0.073) [ND(0.074)]	0.08	ND(0.082)	0.29	ND(0.12)	0.078	ND(0.076)
Semivolatiles										
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
2,4,6-Trichlorophenol	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
2,4-Dichlorophenol	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
2,4-Dimethylphenol	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
2,4-Dinitrophenol	ND(0.77)	ND(0.70)	ND(0.71)	ND(0.72) [ND(0.72)]	ND(0.77)	ND(0.77)	ND(0.75)	ND(1.2)	ND(0.76)	ND(0.73) J
2,4-Dinitrotoluene	ND(0.77)	ND(0.70)	ND(0.71)	ND(0.72) [ND(0.72)]	ND(0.77)	ND(0.77)	ND(0.75)	ND(1.2)	ND(0.76)	ND(0.73)
2,6-Dinitrotoluene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
2-Chloronaphthalene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
2-Chlorophenol	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
2-Methyl naphthalene	0.31	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	0.21	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
2-Methylphenol	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
2-Nitroaniline	ND(0.77)	ND(0.70)	ND(0.71)	ND(0.72) [ND(0.72)]	ND(0.77)	ND(0.77)	ND(0.75)	ND(1.2)	ND(0.76)	ND(0.73)
2-Nitrophenol	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
3&4-Methylphenol	ND(0.39)	ND(0.36)	ND(0.36)	ND(0.36) [ND(0.36)]	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.59)	ND(0.39)	ND(0.37)
3,3-Dichlorobenzidine	ND(0.77)	ND(0.70)	ND(0.71)	ND(0.72) [ND(0.72)]	ND(0.77)	ND(0.77)	ND(0.75)	ND(1.2)	ND(0.76)	ND(0.73)
3-Nitroaniline	ND(0.77)	ND(0.70)	ND(0.71)	ND(0.72) [ND(0.72)]	ND(0.77)	ND(0.77)	ND(0.75)	ND(1.2)	ND(0.76)	ND(0.73) J
4,6-Dinitro-2-methylphenol	ND(0.77)	ND(0.70)	ND(0.71)	ND(0.72) [ND(0.72)]	ND(0.77)	ND(0.77)	ND(0.75)	ND(1.2)	ND(0.76)	ND(0.73)
4-Bromophenyl phenyl ether	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
4-Chloro-3-methylphenol	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-26	RFI-83/84-27	RFI-83/84-27	RFI-83/84-27	RFI-83/84-28	RFI-83/84-28	RFI-83/84-29	RFI-83/84-29	RFI-84-01	RFI-84-01
Sample Depth(feet):	6.8-8.8	0.7-2.7	6.7-8.7	8.7-10.7	0.7-2.7	2.7-4.7	1-3	9-11	0.5-2	16-17.5
Date Collected:	12/07/01	12/13/01	12/13/01	12/13/01	12/13/01	12/13/01	01/17/02	01/17/02	05/07/01	05/07/01
4-Chloroaniline	ND(0.77)	ND(0.70)	ND(0.71)	ND(0.72) [ND(0.72)]	ND(0.77)	ND(0.77)	ND(0.75)	ND(1.2)	ND(0.76)	ND(0.73) J
4-Chlorophenyl phenyl ether	ND(0.77)	ND(0.70)	ND(0.71)	ND(0.72) [ND(0.72)]	ND(0.77)	ND(0.77)	ND(0.75)	ND(1.2)	ND(0.76)	ND(0.73)
4-Nitroaniline	ND(0.77)	ND(0.70)	ND(0.71)	ND(0.72) [ND(0.72)]	ND(0.77)	ND(0.77)	ND(0.75)	ND(1.2)	ND(0.76)	ND(0.73)
4-Nitrophenol	ND(0.77)	ND(0.70)	ND(0.71)	ND(0.72) [ND(0.72)]	ND(0.77)	ND(0.77)	ND(0.75)	ND(1.2)	ND(0.76)	ND(0.73)
Acenaphthene	ND(0.19)	ND(0.18)	0.041 J	ND(0.18) [ND(0.18)]	1.4	ND(0.20)	ND(0.19)	ND(0.30)	0.15 J	ND(0.19)
Acenaphthylene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	0.040 J	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
Acetophenone	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	0.054 J	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
Anthracene	ND(0.19)	ND(0.18)	0.087 J	ND(0.18) [ND(0.18)]	2	ND(0.20)	ND(0.19)	ND(0.30)	0.50 J	ND(0.19)
Atrazine	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
Benzaldehyde	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19) J
Benzo(a)anthracene	0.13 J	0.038 J	0.17 J	0.066 J [0.066 J]	5.4 D	ND(0.20)	0.052 J	ND(0.30)	1.2 J	ND(0.19)
Benzo(a)pyrene	ND(0.19)	0.036 J	0.15 J	0.063 J [0.069 J]	4.6(RDC)	ND(0.20)	0.063 J	ND(0.30)	1.1 J	ND(0.19)
Benzo(b)fluoranthene	ND(0.19)	ND(0.18)	0.14 J	0.061 J [0.057 J]	6.2 D	ND(0.20)	0.058 J	ND(0.30)	1.3 J	ND(0.19)
Benzo(g,h,i)perylene	ND(0.19)	ND(0.18)	0.091 J	0.047 J [0.040 J]	2.9 D	ND(0.20)	0.043 J	ND(0.30)	0.48 J	ND(0.19)
Benzo(k)fluoranthene	ND(0.19)	ND(0.18)	0.15 J	0.065 J [0.061 J]	5.1 D	ND(0.20)	0.051 J	ND(0.30)	1.2 J	ND(0.19)
Biphenyl	0.13 J	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	0.076 J	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
bis(2-Chloroethoxy)methane	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
bis(2-Chloroethyl)ether	ND(0.038)	ND(0.034)	ND(0.035)	ND(0.035) [ND(0.035)]	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.058)	ND(0.038)	ND(0.036)
bis(2-Chloroisopropyl)ether	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
bis(2-Ethylhexyl)phthalate	0.56	ND(0.18)	ND(0.18)	0.067 J [0.11 J]	0.63	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19) J
Butyl benzylphthalate	ND(0.19)	0.084 J	0.063 J	0.063 J [ND(0.18)]	0.46	ND(0.20)	0.049 J	ND(0.30)	ND(0.19)	ND(0.19)
Caprolactam	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
Carbazole	ND(0.19)	ND(0.18)	0.050 J	ND(0.18) [ND(0.18)]	1	ND(0.20)	ND(0.19)	ND(0.30)	0.26 J	ND(0.19)
Chrysene	0.19 J	0.050 J	0.18	0.080 J [0.080 J]	6.2 D	ND(0.20)	0.064 J	ND(0.30)	1.3 J	ND(0.19)
Di-n-butylphthalate	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	2.5	ND(0.20)	ND(0.19)	ND(0.30)	0.052 J	ND(0.19)
Di-n-octyl phthalate	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
Dibenzo(a,h)anthracene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19) J	ND(0.19)
Dibenzofuran	ND(0.19)	ND(0.18)	0.039 J	ND(0.18) [ND(0.18)]	0.58	ND(0.20)	ND(0.19)	ND(0.30)	0.15 J	ND(0.19)
Diethyl phthalate	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
Dimethyl phthalate	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
Fluoranthene	ND(0.19)	0.077 J	0.42	0.14 J [0.14 J]	12 D	ND(0.20)	0.071 J	ND(0.30)	3.0 J	ND(0.19)
Fluorene	0.41	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	1.1	ND(0.20)	ND(0.19)	ND(0.30)	0.16 J	ND(0.19)
Hexachlorobenzene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
Hexachlorobutadiene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
Hexachlorocyclopentadiene	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
Hexachloroethane	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
Indeno(1,2,3-cd)pyrene	ND(0.19)	ND(0.18)	0.093 J	0.041 J [0.040 J]	2.7 D	ND(0.20)	ND(0.19)	ND(0.30)	0.49 J	ND(0.19)
Isophorone	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
Methylphenols, Total	ND(0.39)	ND(0.36)	ND(0.36)	ND(0.36) [ND(0.36)]	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.59)	ND(0.39)	ND(0.37)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-83/84-26	RFI-83/84-27	RFI-83/84-27	RFI-83/84-27	RFI-83/84-28	RFI-83/84-28	RFI-83/84-29	RFI-83/84-29	RFI-84-01	RFI-84-01
Sample Depth(feet):	6.8-8.8	0.7-2.7	6.7-8.7	8.7-10.7	0.7-2.7	2.7-4.7	1-3	9-11	0.5-2	16-17.5
Date Collected:	12/07/01	12/13/01	12/13/01	12/13/01	12/13/01	12/13/01	01/17/02	01/17/02	05/07/01	05/07/01
N-Nitrosodi-n-propylamine	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
N-Nitrosodiphenylamine	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
Naphthalene	0.055 J	0.047 J	0.055 J	0.047 J [0.039 J]	0.8	ND(0.20)	0.039 J	ND(0.30)	0.057 J	ND(0.19)
Nitrobenzene	ND(0.077)	ND(0.070)	ND(0.071)	ND(0.072) [ND(0.072)]	ND(0.077)	ND(0.077)	ND(0.075)	ND(0.12)	ND(0.076)	ND(0.073)
Pentachlorophenol	ND(0.77)	ND(0.70)	ND(0.71)	ND(0.72) [ND(0.72)]	ND(0.77)	ND(0.77)	ND(0.75)	ND(1.2)	ND(0.76)	ND(0.73)
Phenanthrene	1.2	0.069 J	0.39	0.12 J [0.12 J]	9.4 D	ND(0.20)	0.11 J	ND(0.30)	2.4 J	ND(0.19)
Phenol	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.30)	ND(0.19)	ND(0.19)
Pyrene	0.72	0.068 J	0.36	0.12 J [0.13 J]	14 D	ND(0.20)	0.10 J	ND(0.30)	3.1 J	ND(0.19)
Inorganics										
Antimony	0.57	ND(0.23)	ND(0.25)	0.053 J [ND(0.22)]	ND(0.28)	ND(0.19)	0.19 B	0.021 J	0.16 J	1.7 J
Arsenic	7.3	2.5	1.8	2.4 [2.0]	6.1	4.1	11(RDC)	1.5	12(RDC)	8.0(RDC)
Barium	48	10	10	13 [14]	78	41	85	51	110 J	85 J
Beryllium	0.8	0.11	0.092 J	0.14 [0.11]	0.32	0.33	1.4	0.31	3.7	1.5
Cadmium	0.6	0.031	0.031	0.043 [0.032]	1	0.13	0.29	0.8	14	0.75
Chromium	24	23	18	31 [25]	47	11	22	12	15	19
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	7.1	1.5	1.5	1.9 [1.5]	4.8	5.4	7.4	1.2	8.7	9
Copper	2200	14	11	10 [12]	72	8	66	28	280	34
Cyanide (total)	ND(0.20)	0.051 J	0.054 J	0.14 J [0.066 J]	0.39	ND(0.20)	ND(0.20)	ND(0.30)	0.65	ND(0.40)
Lead	460(RDC)	7	3.5	4.7 [7.3]	66	6.9	95	6.4	600(RDC)	200
Manganese	280	130	120	140 [120]	410	410	360	150	370	420
Mercury	0.034 J	ND(0.072)	ND(0.073)	0.029 J [ND(0.075)]	0.034 J	0.022 J	0.038 J	0.081 J	0.55	0.020 J
Nickel	23	13	14	13 [12]	27	11	120	11	48	28
Selenium	0.12	0.18	ND(0.10)	0.19 J [0.089]	0.48	0.30 J	0.63	3.6	1.2 J	ND(1.4)
Silver	0.6	0.025 J	0.025 J	0.038 J [0.030 J]	0.25 J	0.034 J	0.11 J	0.12 J	0.31	0.14 J
Thallium	0.13 J	0.023 J	0.019 J	0.034 J [0.025 J]	0.19 J	0.085 J	0.16	0.16 J	0.36 J	0.14 J
Vanadium	21	4.7	4.8	7.1 [7.0]	9.1	17	16	7.7	23 J	20 J
Zinc	250	9.6 B	9.7 B	11 B [9.8 B]	150	31	60	24	1,000 J	110 J
PCBs										
Aroclor-1016	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.061)	ND(0.040)	ND(0.038)
Aroclor-1221	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.061)	ND(0.040)	ND(0.038)
Aroclor-1232	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.061)	ND(0.040)	ND(0.038)
Aroclor-1242	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.061)	ND(0.040)	ND(0.038)
Aroclor-1248	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.061)	ND(0.040)	ND(0.038)
Aroclor-1254	0.059	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	0.049	ND(0.040)	ND(0.039)	ND(0.061)	ND(0.040)	ND(0.038)
Aroclor-1260	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	0.027 J	ND(0.040)	ND(0.039)	ND(0.061)	ND(0.040)	ND(0.038)
Total PCBs	0.059	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	0.076	ND(0.040)	ND(0.039)	ND(0.061)	ND(0.040)	ND(0.038)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-84-01	RFI-84-02	RFI-84-02	RFI-84-03	RFI-84-03	RFI-84-03	RFI-84-04	RFI-84-04	RFI-84-04	RFI-84-05	RFI-84-05	RFI-84-06	RFI-84-06
Sample Depth(feet):	8-10	0.8-2	8-10	0.8-2	12-14	8-10	0.8-2	12-14	8-10	0.8-2.8	6.8-8.8	0.9-2	4-6
Date Collected:	05/07/01	05/07/01	05/07/01	05/08/01	05/08/01	05/08/01	05/08/01	05/08/01	05/08/01	05/24/01	05/24/01	05/21/01	05/21/01
Volatiles													
1,1,1-Trichloroethane	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	ND(0.041)	ND(0.044)	ND(0.038)	ND(0.039)
1,1,2,2-Tetrachloroethane	ND(0.078)	ND(0.076)	ND(0.077)	ND(0.074)	ND(0.084)	ND(0.084)	ND(0.079)	ND(0.082)	ND(0.078)	ND(0.082)	ND(0.087)	ND(0.076)	ND(0.078)
1,1,2-Trichloroethane	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	ND(0.041)	ND(0.044)	ND(0.038)	ND(0.039)
1,1-Dichloroethane	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	ND(0.041)	0.0068 J	ND(0.038)	ND(0.039)
1,1-Dichloroethene	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	ND(0.041)	ND(0.044)	ND(0.038)	ND(0.039)
1,2,4-Trichlorobenzene	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.16)	ND(0.17)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.16)	ND(0.17)
1,2-Dibromoethane (EDB)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.16)	ND(0.17)
1,2-Dichlorobenzene	ND(0.078)	ND(0.076)	ND(0.077)	ND(0.074)	ND(0.084)	ND(0.084)	ND(0.079)	ND(0.082)	ND(0.078)	ND(0.082)	ND(0.087)	ND(0.076)	ND(0.078)
1,2-Dichloroethane	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	ND(0.041)	ND(0.044)	ND(0.038)	ND(0.039)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	ND(0.041)	ND(0.044)	ND(0.038)	ND(0.039)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.078)	ND(0.076)	ND(0.077)	ND(0.074)	ND(0.084)	ND(0.084)	ND(0.079)	ND(0.082)	ND(0.078)	ND(0.082)	ND(0.087)	ND(0.076)	ND(0.078)
1,4-Dichlorobenzene	ND(0.078)	ND(0.076)	ND(0.077)	ND(0.074)	ND(0.084)	ND(0.084)	ND(0.079)	ND(0.082)	ND(0.078)	ND(0.082)	ND(0.087)	ND(0.076)	ND(0.078)
2-Butanone	ND(0.28)	ND(0.27)	ND(0.28)	ND(0.27)	ND(0.30)	ND(0.30)	ND(0.28)	ND(0.29)	ND(0.28)	ND(0.29)	ND(0.31)	ND(0.27)	ND(0.28)
2-Hexanone	ND(0.28)	ND(0.27)	ND(0.28)	ND(0.27)	ND(0.30)	ND(0.30)	ND(0.28)	ND(0.29)	ND(0.28)	ND(0.29)	ND(0.31)	ND(0.27)	ND(0.28)
4-Methyl-2-pentanone	ND(0.28)	ND(0.27)	ND(0.28)	ND(0.27)	ND(0.30)	ND(0.30)	ND(0.28)	ND(0.29)	ND(0.28)	ND(0.29)	ND(0.31)	ND(0.27)	ND(0.28)
Acetone	ND(0.28)	ND(0.27)	ND(0.28)	ND(0.27)	ND(0.30)	ND(0.30)	ND(0.28)	ND(0.29)	ND(0.28)	ND(0.29)	0.057 J	ND(0.27)	ND(0.28)
Benzene	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	ND(0.041)	ND(0.044)	0.011 J	ND(0.039)
Benzene, isopropyl	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	0.014 J	ND(0.17)
Bromodichloromethane	ND(0.078)	ND(0.076)	ND(0.077)	ND(0.074)	ND(0.084)	ND(0.084)	ND(0.079)	ND(0.082)	ND(0.078)	ND(0.082)	ND(0.087)	ND(0.076)	ND(0.078)
Bromoform	ND(0.078)	ND(0.076)	ND(0.077)	ND(0.074)	ND(0.084)	ND(0.084)	ND(0.079)	ND(0.082)	ND(0.078)	ND(0.082)	ND(0.087)	ND(0.076)	ND(0.078)
Bromomethane	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.16) J	ND(0.17) J
Carbon disulfide	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.16)	ND(0.17)
Carbon tetrachloride	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	ND(0.041)	ND(0.044)	ND(0.038)	ND(0.039)
Chlorobenzene	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	ND(0.041)	ND(0.044)	ND(0.038)	ND(0.039)
Chloroethane	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.16)	ND(0.17)
Chloroform	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	ND(0.041)	ND(0.044)	ND(0.038)	ND(0.039)
Chloromethane	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	0.024 J	ND(0.19)	ND(0.16)	ND(0.17)
cis-1,2-Dichloroethene	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	0.26	ND(0.044)	ND(0.038)	ND(0.039)
cis-1,3-Dichloropropene	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	ND(0.041)	ND(0.044)	ND(0.038)	ND(0.039)
Cyclohexane	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	0.034 J	ND(0.17) J
Dibromochloromethane	ND(0.078)	ND(0.076)	ND(0.077)	ND(0.074)	ND(0.084)	ND(0.084)	ND(0.079)	ND(0.082)	ND(0.078)	ND(0.082)	ND(0.087)	ND(0.076)	ND(0.078)
Dichlorodifluoromethane (CFC-12)	ND(0.078)	ND(0.076)	ND(0.077)	ND(0.074)	ND(0.084)	ND(0.084)	ND(0.079)	ND(0.082)	ND(0.078)	ND(0.082)	ND(0.087)	ND(0.076)	ND(0.078)
Ethylbenzene	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	ND(0.041)	ND(0.044)	0.020 J	ND(0.039)
m&p-Xylene	ND(0.078)	ND(0.076)	ND(0.077)	ND(0.074)	ND(0.084)	ND(0.084)	ND(0.079)	ND(0.082)	ND(0.078)	0.025 J	ND(0.087)	0.060 J	ND(0.078)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-84-01	RFI-84-02	RFI-84-02	RFI-84-03	RFI-84-03	RFI-84-03	RFI-84-04	RFI-84-04	RFI-84-04	RFI-84-05	RFI-84-05	RFI-84-06	RFI-84-06
Sample Depth(feet):	8-10	0.8-2	8-10	0.8-2	12-14	8-10	0.8-2	12-14	8-10	0.8-2.8	6.8-8.8	0.9-2	4-6
Date Collected:	05/07/01	05/07/01	05/07/01	05/08/01	05/08/01	05/08/01	05/08/01	05/08/01	05/08/01	05/24/01	05/24/01	05/21/01	05/21/01
Methyl acetate	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	0.52	ND(0.17)
Methyl Tert Butyl Ether	ND(0.28)	ND(0.27)	ND(0.28)	ND(0.27)	ND(0.30)	ND(0.30)	ND(0.28)	ND(0.29)	ND(0.28)	ND(0.29)	ND(0.31)	ND(0.27)	ND(0.28)
Methylcyclohexane	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	0.040 J	ND(0.17)	ND(0.17)	0.045 J	ND(0.19)	0.16 J	ND(0.17)
Methylene chloride	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	0.013 J	0.012 J
o-Xylene	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	0.017 J	ND(0.044)	0.048	ND(0.039)
Styrene	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	ND(0.041)	ND(0.044)	ND(0.038)	ND(0.039)
Tetrachloroethene	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	0.013 J	ND(0.044)	ND(0.038)	ND(0.039)
Toluene	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	ND(0.041)	ND(0.044)	0.048	ND(0.039)
trans-1,2-Dichloroethene	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	0.040 J	ND(0.044)	ND(0.038)	ND(0.039)
trans-1,3-Dichloropropene	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	ND(0.041)	ND(0.044)	ND(0.038)	ND(0.039)
Trichloroethene	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	4.1	0.39	ND(0.038)	ND(0.039)
Trichlorofluoromethane (CFC-11)	ND(0.078)	ND(0.076)	ND(0.077)	ND(0.074)	ND(0.084)	ND(0.084)	ND(0.079)	ND(0.082)	ND(0.078)	ND(0.082)	ND(0.087)	0.011 J	0.011 J
Trifluorotrichloroethane (Freon 113)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.16)	ND(0.17)
Vinyl chloride	ND(0.039)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.042)	ND(0.042)	ND(0.039)	ND(0.041)	ND(0.039)	ND(0.041)	ND(0.044)	ND(0.038)	ND(0.039)
Xylenes (total)	ND(0.078)	ND(0.076)	ND(0.077)	ND(0.074)	ND(0.084)	ND(0.084)	ND(0.079)	ND(0.082)	ND(0.078)	0.042	ND(0.087)	0.11	ND(0.078)
Semivolatiles													
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
2,4,6-Trichlorophenol	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
2,4-Dichlorophenol	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
2,4-Dimethylphenol	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
2,4-Dinitrophenol	ND(0.74) J	ND(0.73)	ND(0.74) J	ND(0.72)	ND(0.79) J	ND(0.79) J	ND(0.76) J	ND(0.77) J	ND(0.74) J	ND(0.78)	ND(0.83)	ND(0.73)	ND(0.75)
2,4-Dinitrotoluene	ND(0.74)	ND(0.73)	ND(0.74)	ND(0.72)	ND(0.79)	ND(0.79)	ND(0.76)	ND(0.77)	ND(0.74)	ND(0.78)	ND(0.83)	ND(0.73)	ND(0.75)
2,6-Dinitrotoluene	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
2-Chloronaphthalene	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
2-Chlorophenol	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
2-Methyl naphthalene	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
2-Methylphenol	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
2-Nitroaniline	ND(0.74)	ND(0.73)	ND(0.74)	ND(0.72)	ND(0.79)	ND(0.79)	ND(0.76)	ND(0.77)	ND(0.74)	ND(0.78)	ND(0.83)	ND(0.73)	ND(0.75)
2-Nitrophenol	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
3&4-Methylphenol	ND(0.37)	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.40)	ND(0.40)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.37)	ND(0.38)
3,3-Dichlorobenzidine	ND(0.74)	ND(0.73)	ND(0.74)	ND(0.72)	ND(0.79)	ND(0.79)	ND(0.76)	ND(0.77)	ND(0.74)	ND(0.78)	ND(0.83)	ND(0.73)	ND(0.75)
3-Nitroaniline	ND(0.74) J	ND(0.73)	ND(0.74) J	ND(0.72)	ND(0.79) J	ND(0.79) J	ND(0.76) J	ND(0.77) J	ND(0.74) J	ND(0.78)	ND(0.83)	ND(0.73)	ND(0.75)
4,6-Dinitro-2-methylphenol	ND(0.74)	ND(0.73)	ND(0.74)	ND(0.72)	ND(0.79)	ND(0.79)	ND(0.76)	ND(0.77)	ND(0.74)	ND(0.78)	ND(0.83)	ND(0.73)	ND(0.75)
4-Bromophenyl phenyl ether	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
4-Chloro-3-methylphenol	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-84-01	RFI-84-02	RFI-84-02	RFI-84-03	RFI-84-03	RFI-84-03	RFI-84-04	RFI-84-04	RFI-84-04	RFI-84-05	RFI-84-05	RFI-84-06	RFI-84-06
Sample Depth(feet):	8-10	0.8-2	8-10	0.8-2	12-14	8-10	0.8-2	12-14	8-10	0.8-2.8	6.8-8.8	0.9-2	4-6
Date Collected:	05/07/01	05/07/01	05/07/01	05/08/01	05/08/01	05/08/01	05/08/01	05/08/01	05/08/01	05/24/01	05/24/01	05/21/01	05/21/01
4-Chloroaniline	ND(0.74) J	ND(0.73)	ND(0.74) J	ND(0.72)	ND(0.79) J	ND(0.79) J	ND(0.76) J	ND(0.77) J	ND(0.74) J	ND(0.78)	ND(0.83)	ND(0.73)	ND(0.75)
4-Chlorophenyl phenyl ether	ND(0.74)	ND(0.73)	ND(0.74)	ND(0.72)	ND(0.79)	ND(0.79)	ND(0.76)	ND(0.77)	ND(0.74)	ND(0.78)	ND(0.83)	ND(0.73)	ND(0.75)
4-Nitroaniline	ND(0.74)	ND(0.73)	ND(0.74)	ND(0.72)	ND(0.79)	ND(0.79) J	ND(0.76)	ND(0.77)	ND(0.74)	ND(0.78)	ND(0.83)	ND(0.73)	ND(0.75)
4-Nitrophenol	ND(0.74)	ND(0.73)	ND(0.74)	ND(0.72)	ND(0.79)	ND(0.79)	ND(0.76)	ND(0.77)	ND(0.74)	ND(0.78)	ND(0.83)	ND(0.73)	ND(0.75)
Acenaphthene	ND(0.19)	0.13 J	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	0.062 J	ND(0.19)
Acenaphthylene	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
Acetophenone	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) J	ND(0.21) J	ND(0.19)	ND(0.19)
Anthracene	ND(0.19)	0.30 J	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	0.2	ND(0.19)
Atrazine	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
Benzaldehyde	ND(0.19) J	ND(0.19)	ND(0.19) J	ND(0.18)	ND(0.20) J	ND(0.20) J	ND(0.19) J	ND(0.20) J	ND(0.19) J	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19) J
Benzo(a)anthracene	ND(0.19)	0.91 J	ND(0.19)	0.089 J	ND(0.20)	ND(0.20)	0.11 J	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	0.49	ND(0.19)
Benzo(a)pyrene	ND(0.19)	0.77 J	ND(0.19)	0.084 J	ND(0.20)	ND(0.20)	0.12 J	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	0.55 J	ND(0.19)
Benzo(b)fluoranthene	ND(0.19)	0.93 J	ND(0.19)	0.10 J	ND(0.20)	ND(0.20)	0.11 J	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	0.54 J	ND(0.19)
Benzo(g,h,i)perylene	ND(0.19)	0.26 J	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	0.092 J	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	0.28 J	ND(0.19)
Benzo(k)fluoranthene	ND(0.19)	0.74 J	ND(0.19)	0.087 J	ND(0.20)	ND(0.20)	0.12 J	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	0.46 J	ND(0.19)
Biphenyl	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
bis(2-Chloroethoxy)methane	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
bis(2-Chloroethyl)ether	ND(0.036)	ND(0.036)	ND(0.037)	ND(0.035)	ND(0.039)	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.036)	ND(0.038) J	ND(0.041) J	ND(0.036)	ND(0.037) J
bis(2-Chloroisopropyl)ether	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
bis(2-Ethylhexyl)phthalate	ND(0.19) J	ND(0.19)	ND(0.19) J	ND(0.18)	ND(0.20) J	ND(0.20) J	ND(0.19) J	ND(0.20) J	ND(0.19) J	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
Butyl benzylphthalate	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
Caprolactam	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20) J	ND(0.21) J	ND(0.19)	ND(0.19)
Carbazole	ND(0.19)	0.21 J	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	0.076 J	ND(0.19)
Chrysene	ND(0.19)	1.0 J	ND(0.19)	0.11 J	ND(0.20)	ND(0.20)	0.13 J	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	0.54	ND(0.19)
Di-n-butylphthalate	ND(0.19)	ND(0.19)	0.089 J	0.080 J	0.073 J	0.056 J	0.050 J	0.072 J	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
Di-n-octyl phthalate	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19) J	ND(0.19)
Dibenzo(a,h)anthracene	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19) J	ND(0.19)
Dibenzofuran	ND(0.19)	0.066 J	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	0.079 J	ND(0.19)
Diethyl phthalate	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	0.093 J	ND(0.20)	0.060 J	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
Dimethyl phthalate	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
Fluoranthene	ND(0.19)	1.9 J	ND(0.19)	0.18 J	ND(0.20)	ND(0.20)	0.22	ND(0.20)	ND(0.19)	0.041 J	ND(0.21)	1.1	ND(0.19)
Fluorene	ND(0.19)	0.14 J	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	0.078 J	ND(0.19)
Hexachlorobenzene	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
Hexachlorobutadiene	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
Hexachlorocyclopentadiene	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20) J	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
Hexachloroethane	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
Indeno(1,2,3-cd)pyrene	ND(0.19)	0.41 J	ND(0.19)	0.044 J	ND(0.20)	ND(0.20)	0.083 J	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	0.25 J	ND(0.19)
Isophorone	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19) J	ND(0.19)
Methylphenols, Total	ND(0.37)	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.40)	ND(0.40)	ND(0.39)	ND(0.39)	ND(0.38)	ND(0.39)	ND(0.42)	ND(0.37)	ND(0.38)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-84-01	RFI-84-02	RFI-84-02	RFI-84-03	RFI-84-03	RFI-84-03	RFI-84-04	RFI-84-04	RFI-84-04	RFI-84-05	RFI-84-05	RFI-84-06	RFI-84-06
Sample Depth(feet):	8-10	0.8-2	8-10	0.8-2	12-14	8-10	0.8-2	12-14	8-10	0.8-2.8	6.8-8.8	0.9-2	4-6
Date Collected:	05/07/01	05/07/01	05/07/01	05/08/01	05/08/01	05/08/01	05/08/01	05/08/01	05/08/01	05/24/01	05/24/01	05/21/01	05/21/01
N-Nitrosodi-n-propylamine	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
N-Nitrosodiphenylamine	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
Naphthalene	ND(0.19)	ND(0.19)	ND(0.19)	0.042 J	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	0.043 J	ND(0.19)
Nitrobenzene	ND(0.074)	ND(0.073)	ND(0.074)	ND(0.072)	ND(0.079)	ND(0.079)	ND(0.076)	ND(0.077)	ND(0.074)	ND(0.078)	ND(0.083)	ND(0.073)	ND(0.075)
Pentachlorophenol	ND(0.74)	ND(0.73)	ND(0.74)	ND(0.72)	ND(0.79)	ND(0.79)	ND(0.76)	ND(0.77)	ND(0.74)	ND(0.78)	ND(0.83)	ND(0.73)	ND(0.75)
Phenanthrene	ND(0.19)	1.5 J	ND(0.19)	0.16 J	ND(0.20)	ND(0.20)	0.14 J	ND(0.20)	ND(0.19)	0.037 J	ND(0.21)	0.96	ND(0.19)
Phenol	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.21)	ND(0.19)	ND(0.19)
Pyrene	ND(0.19)	1.8 J	ND(0.19)	0.2	ND(0.20)	ND(0.20)	0.21	ND(0.20)	ND(0.19)	0.049 J	ND(0.21)	1.2	ND(0.19)
Inorganics													
Antimony	0.33 R	0.33 R	0.37 R	0.34 R	0.44 R	0.45 R	0.41 R	0.42 R	0.62 J	ND(0.47) J	ND(0.46) J	0.44	ND(0.43)
Arsenic	4.9	4.3	2	6.8	6.2	11(RDC)	19(RDC)	3.4	8.6(RDC)	8.0 J(RDC)	11 J(RDC)	6.4 J	6.3 J
Barium	96 J	33 J	8.4 J	48 J	8.5 J	75 J	83 J	42 J	75 J	95 J	98 J	79 J	62 J
Beryllium	0.43	0.34	0.092 J	0.55	0.10 J	0.56	0.88	0.43	0.58	0.78 J	0.72 J	2.9 J	0.48 J
Cadmium	0.098	0.2	0.056	0.19	0.047	0.16	0.63	0.082	0.16	0.54 J	0.27 J	0.3	0.12
Chromium	16	7.6	3.5	14	3.4	19	11	15	19	50 J	25 J	11	16
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	8	3.8	1.5	7.9	1	9.3	4.6	7.7	8.9	8.4 J	11 J	6.8	6.1
Copper	13	27	3.6	14	3.6	16	26	12	14	77 J	22 J	50	10
Cyanide (total)	0.017 J	0.040 J	ND(0.20)	ND(0.20)	0.053 J	ND(0.40)	ND(0.20)	0.063 J	0.071 J	0.056 J	0.041 J	0.062 J	0.0054 J
Lead	7.9	47	2.2	16	2.1	10	140	22	9.9	150 J	30 J	430 J(RDC)	7.0 J
Manganese	350	220	57	420	84	330	260	310	330	780	590	380 J	240 J
Mercury	0.028 J	0.031 J	0.021 J	0.036 J	ND(0.083)	0.022 J	0.066 J	0.027 J	ND(0.072)	0.13	0.026 J	0.065 J	ND(0.078)
Nickel	20	11	4.1	20	3.7	24	16	20	20	37 J	28 J	32	17
Selenium	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.3)	ND(1.8)	ND(1.8)	1.0 J	ND(1.7)	ND(1.9)	ND(1.9)	ND(1.8)	ND(1.6)	ND(1.7)
Silver	0.087 J	0.060 J	ND(0.17)	0.083 J	0.063 J	0.099 J	0.092 J	0.075 J	0.18 J	0.22 J	0.14 J	0.15 J	0.056 J
Thallium	0.15 J	0.066 J	ND(0.24) J	0.15 J	ND(0.28) J	0.20 J	1.2 J	0.12 J	0.18 J	0.22 J	0.22 J	0.15 J	0.14 J
Vanadium	20 J	10 J	4.3 J	18 J	4.0 J	27 J	27 J	19 J	28 J	32 J	38 J	19	23
Zinc	39 J	42 J	10 J	39 J	12 J	52 J	84 J	38 J	45 J	96 J	61 J	120	52
PCBs													
Aroclor-1016	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.041)	ND(0.042)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.039)
Aroclor-1221	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.041)	ND(0.042)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.039)
Aroclor-1232	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.041)	ND(0.042)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.039)
Aroclor-1242	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.041)	ND(0.042)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.039)
Aroclor-1248	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.041)	ND(0.042)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.039)
Aroclor-1254	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.041)	ND(0.042)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.039)
Aroclor-1260	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.041)	ND(0.042)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.039)
Total PCBs	ND(0.038)	ND(0.038)	ND(0.039)	ND(0.037)	ND(0.041)	ND(0.042)	ND(0.040)	ND(0.040)	ND(0.039)	ND(0.041)	ND(0.043)	ND(0.038)	ND(0.039)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-85-02	RFI-85-02	RFI-85-02	RFI-85-03	RFI-85-03	RFI-85-04	RFI-85-04	RFI-85-04	RFI-85-05	RFI-85-05	RFI-85-05
Sample Depth(feet):	1.3-3.3	7.3-9.3	9.3-11.3	1-3	5-7	0.5-2.5	12.5-14.5	8.5-10.5	1-3	17-19	5-7
Date Collected:	06/22/01	06/22/01	06/22/01	06/20/01	06/20/01	07/30/01	07/30/01	07/30/01	07/24/01	07/24/01	07/24/01
Volatiles											
1,1,1-Trichloroethane	ND(0.038)	ND(0.043)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.038)	ND(0.036) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.044)	ND(0.038)
1,1,2,2-Tetrachloroethane	ND(0.075) J	ND(0.086) J	ND(0.076) J	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.076)	ND(0.073) [ND(0.076)]	ND(0.075) [ND(0.075) J]	ND(0.087)	ND(0.077) J
1,1,2-Trichloroethane	ND(0.038)	ND(0.043)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.038)	ND(0.036) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.044)	ND(0.038)
1,1-Dichloroethane	ND(0.038)	ND(0.043)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.038)	ND(0.036) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.044)	ND(0.038)
1,1-Dichloroethene	ND(0.038)	ND(0.043)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.038)	ND(0.036) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.044)	ND(0.038)
1,2,4-Trichlorobenzene	ND(0.16) J	ND(0.18) J	ND(0.16) J	ND(0.16) J	ND(0.17) J	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16) [ND(0.16) J]	ND(0.19)	ND(0.16) J
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16) J	ND(0.18) J	ND(0.16) J	ND(0.16) J	ND(0.17) J	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16) [ND(0.16)]	ND(0.19)	ND(0.16)
1,2-Dibromoethane (EDB)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16) [ND(0.16)]	ND(0.19)	ND(0.16)
1,2-Dichlorobenzene	ND(0.075)	ND(0.086)	ND(0.076)	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.076)	ND(0.073) [ND(0.076)]	ND(0.075) [ND(0.075)]	ND(0.087)	ND(0.077)
1,2-Dichloroethane	ND(0.038) J	ND(0.043) J	ND(0.038) J	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.038)	ND(0.036) [ND(0.038)]	ND(0.037) [ND(0.038) J]	ND(0.044)	ND(0.038) J
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.038)	ND(0.043)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.038)	ND(0.036) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.044)	ND(0.038)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.075)	ND(0.086)	ND(0.076)	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.076)	ND(0.073) [ND(0.076)]	ND(0.075) [ND(0.075)]	ND(0.087)	ND(0.077)
1,4-Dichlorobenzene	ND(0.075)	ND(0.086)	ND(0.076)	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.076)	ND(0.073) [ND(0.076)]	ND(0.075) [ND(0.075)]	ND(0.087)	ND(0.077)
2-Butanone	ND(0.27)	ND(0.31)	ND(0.27)	ND(0.27)	ND(0.29)	ND(0.26)	ND(0.27)	ND(0.26) [ND(0.27)]	ND(0.27) J [ND(0.27) J]	ND(0.31) J	ND(0.27) J
2-Hexanone	ND(0.27)	ND(0.31)	ND(0.27)	ND(0.27)	ND(0.29)	ND(0.26)	ND(0.27)	ND(0.26) [ND(0.27)]	ND(0.27) [ND(0.27) J]	ND(0.31)	ND(0.27) J
4-Methyl-2-pentanone	ND(0.27)	ND(0.31)	ND(0.27)	ND(0.27)	ND(0.29)	ND(0.26)	ND(0.27)	ND(0.26) [ND(0.27)]	ND(0.27) [ND(0.27) J]	ND(0.31)	ND(0.27) J
Acetone	ND(0.27) J	ND(0.31) J	ND(0.27) J	ND(0.27)	ND(0.29)	ND(0.26)	ND(0.27) J	ND(0.26) [ND(0.27)]	ND(0.36) J [ND(1.7) J]	ND(0.48) J	ND(1.7) J
Benzene	ND(0.038)	ND(0.043)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.038)	ND(0.036) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.044)	ND(0.038)
Benzene, isopropyl	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16) [ND(0.16)]	ND(0.19)	ND(0.16)
Bromodichloromethane	ND(0.075)	ND(0.086)	ND(0.076)	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.076)	ND(0.073) [ND(0.076)]	ND(0.075) [ND(0.075)]	ND(0.087)	ND(0.077)
Bromoform	ND(0.075)	ND(0.086)	ND(0.076)	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.076)	ND(0.073) [ND(0.076)]	ND(0.075) [ND(0.075)]	ND(0.087)	ND(0.077)
Bromomethane	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16) J	ND(0.16)	ND(0.16) J [ND(0.16) J]	ND(0.16) [ND(0.16)]	ND(0.19)	ND(0.16)
Carbon disulfide	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16) [ND(0.16)]	ND(0.19)	ND(0.16)
Carbon tetrachloride	ND(0.038)	ND(0.043)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.038)	ND(0.036) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.044)	ND(0.038)
Chlorobenzene	ND(0.038)	ND(0.043)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.038)	ND(0.036) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.044)	ND(0.038)
Chloroethane	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16) J	ND(0.16) J	ND(0.16) [ND(0.16)]	ND(0.16) [ND(0.16)]	ND(0.19)	ND(0.16)
Chloroform	ND(0.038)	ND(0.043)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.038)	ND(0.036) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.044)	ND(0.038)
Chloromethane	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16) [ND(0.16)]	ND(0.19)	ND(0.16)
cis-1,2-Dichloroethene	ND(0.038)	ND(0.043)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.038)	ND(0.036) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.044)	ND(0.038)
cis-1,3-Dichloropropene	ND(0.038)	ND(0.043)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.038)	ND(0.036) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.044)	ND(0.038)
Cyclohexane	ND(0.16)	ND(0.18) J	ND(0.16) J	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16) [ND(0.16)]	ND(0.19)	ND(0.16)
Dibromochloromethane	ND(0.075)	ND(0.086)	ND(0.076)	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.076)	ND(0.073) [ND(0.076)]	ND(0.075) [ND(0.075)]	ND(0.087)	ND(0.077)
Dichlorodifluoromethane (CFC-12)	ND(0.075)	ND(0.086)	ND(0.076)	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.076)	ND(0.073) [ND(0.076)]	ND(0.075) [ND(0.075)]	ND(0.087)	ND(0.077)
Ethylbenzene	ND(0.038)	ND(0.043)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.038)	ND(0.036) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.044)	ND(0.038)
m&p-Xylene	ND(0.075)	ND(0.086)	ND(0.076)	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.076)	ND(0.073) [ND(0.076)]	ND(0.075) [ND(0.075)]	ND(0.087)	ND(0.077)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-85-02	RFI-85-02	RFI-85-02	RFI-85-03	RFI-85-03	RFI-85-04	RFI-85-04	RFI-85-04	RFI-85-05	RFI-85-05	RFI-85-05
Sample Depth(feet):	1.3-3.3	7.3-9.3	9.3-11.3	1-3	5-7	0.5-2.5	12.5-14.5	8.5-10.5	1-3	17-19	5-7
Date Collected:	06/22/01	06/22/01	06/22/01	06/20/01	06/20/01	07/30/01	07/30/01	07/30/01	07/24/01	07/24/01	07/24/01
Methyl acetate	0.074 J	ND(0.18) J	ND(0.16) J	ND(0.16)	0.048 J	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16) [ND(0.16) J]	0.033 J	ND(0.16) J
Methyl Tert Butyl Ether	ND(0.27)	ND(0.31)	ND(0.27)	ND(0.27)	ND(0.29)	ND(0.26)	ND(0.27)	ND(0.26) [ND(0.27)]	ND(0.27) [ND(0.27)]	ND(0.31)	ND(0.27)
Methylcyclohexane	ND(0.16)	ND(0.18)	ND(0.16)	0.043 J	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	0.031 J [ND(0.16)]	ND(0.19)	ND(0.16)
Methylene chloride	ND(0.16) J	ND(0.18) J	ND(0.16) J	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) J [ND(0.16) J]	ND(0.16) J [ND(0.16) J]	ND(0.19) J	ND(0.16) J
o-Xylene	ND(0.038)	ND(0.043)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.038)	ND(0.036) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.044)	ND(0.038)
Styrene	ND(0.038)	ND(0.043)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.038)	ND(0.036) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.044)	ND(0.038)
Tetrachloroethene	ND(0.038)	ND(0.043)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.036) J	ND(0.038)	ND(0.036) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.044)	ND(0.038)
Toluene	ND(0.038)	ND(0.043)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.038)	ND(0.036) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.044)	ND(0.038)
trans-1,2-Dichloroethene	ND(0.038)	ND(0.043)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.038)	ND(0.036) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.044)	ND(0.038)
trans-1,3-Dichloropropene	ND(0.038)	ND(0.043)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.038)	ND(0.036) [ND(0.038)]	ND(0.037) [ND(0.038) J]	ND(0.044)	ND(0.038) J
Trichloroethene	0.081	ND(0.043)	0.28	0.043	ND(0.040)	ND(0.036)	ND(0.038)	ND(0.036) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.044)	ND(0.038)
Trichlorofluoromethane (CFC-11)	ND(0.075)	ND(0.086)	ND(0.076)	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.076)	ND(0.073) [ND(0.076)]	ND(0.075) [ND(0.075)]	ND(0.087)	ND(0.077)
Trifluorotrichloroethane (Freon 113)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.16) [ND(0.16)]	ND(0.16) [ND(0.16)]	ND(0.19)	ND(0.16)
Vinyl chloride	ND(0.038)	ND(0.043)	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.036)	ND(0.038)	ND(0.036) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.044)	ND(0.038)
Xylenes (total)	ND(0.075)	ND(0.086)	ND(0.076)	ND(0.075)	ND(0.080)	ND(0.072)	ND(0.076)	ND(0.073) [ND(0.076)]	ND(0.075) [ND(0.075)]	ND(0.087)	ND(0.077)
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
2,4,6-Trichlorophenol	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
2,4-Dichlorophenol	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
2,4-Dimethylphenol	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
2,4-Dinitrophenol	ND(0.71)	ND(0.83)	ND(0.71)	ND(0.71)	ND(0.77)	ND(0.70)	ND(0.72)	ND(0.71) [ND(0.72)]	ND(0.72) J [ND(0.71) J]	ND(0.84) J	ND(0.72) J
2,4-Dinitrotoluene	ND(0.71)	ND(0.83)	ND(0.71)	ND(0.71)	ND(0.77)	ND(0.70)	ND(0.72)	ND(0.71) [ND(0.72)]	ND(0.72) [ND(0.71)]	ND(0.84)	ND(0.72)
2,6-Dinitrotoluene	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
2-Chloronaphthalene	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
2-Chlorophenol	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
2-Methyl naphthalene	ND(0.18)	ND(0.21)	ND(0.18)	0.080 J	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
2-Methylphenol	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
2-Nitroaniline	ND(0.71)	ND(0.83)	ND(0.71)	ND(0.71)	ND(0.77)	ND(0.70)	ND(0.72)	ND(0.71) [ND(0.72)]	ND(0.72) [ND(0.71)]	ND(0.84)	ND(0.72)
2-Nitrophenol	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
3&4-Methylphenol	ND(0.36)	ND(0.42)	ND(0.36)	ND(0.36)	ND(0.39)	ND(0.35) J	ND(0.36) J	ND(0.36) J [ND(0.36) J]	ND(0.36) J [ND(0.36) J]	ND(0.43) J	ND(0.37) J
3,3-Dichlorobenzidine	ND(0.71)	ND(0.83)	ND(0.71)	ND(0.71)	ND(0.77)	ND(0.70)	ND(0.72)	ND(0.71) [ND(0.72)]	ND(0.72) [ND(0.71)]	ND(0.84)	ND(0.72)
3-Nitroaniline	ND(0.71)	ND(0.83)	ND(0.71)	ND(0.71)	ND(0.77)	ND(0.70)	ND(0.72) J	ND(0.71) [ND(0.72)]	ND(0.72) [ND(0.71)]	ND(0.84)	ND(0.72)
4,6-Dinitro-2-methylphenol	ND(0.71)	ND(0.83)	ND(0.71)	ND(0.71)	ND(0.77)	ND(0.70)	ND(0.72)	ND(0.71) [ND(0.72)]	ND(0.72) [ND(0.71) J]	ND(0.84) J	ND(0.72) J
4-Bromophenyl phenyl ether	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
4-Chloro-3-methylphenol	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-85-02	RFI-85-02	RFI-85-02	RFI-85-03	RFI-85-03	RFI-85-04	RFI-85-04	RFI-85-04	RFI-85-05	RFI-85-05	RFI-85-05
Sample Depth(feet):	1.3-3.3	7.3-9.3	9.3-11.3	1-3	5-7	0.5-2.5	12.5-14.5	8.5-10.5	1-3	17-19	5-7
Date Collected:	06/22/01	06/22/01	06/22/01	06/20/01	06/20/01	07/30/01	07/30/01	07/30/01	07/24/01	07/24/01	07/24/01
4-Chloroaniline	ND(0.71)	ND(0.83) J	ND(0.71) J	ND(0.71) J	ND(0.77) J	ND(0.70)	ND(0.72) J	ND(0.71) [ND(0.72)]	ND(0.72) [ND(0.71)]	ND(0.84)	ND(0.72)
4-Chlorophenyl phenyl ether	ND(0.71)	ND(0.83)	ND(0.71)	ND(0.71)	ND(0.77)	ND(0.70) J	ND(0.72)	ND(0.71) [ND(0.72)]	ND(0.72) [ND(0.71)]	ND(0.84)	ND(0.72) J
4-Nitroaniline	ND(0.71)	ND(0.83)	ND(0.71)	ND(0.71)	ND(0.77)	ND(0.70)	ND(0.72) J	ND(0.71) J [ND(0.72) J]	ND(0.72) [ND(0.71)]	ND(0.84)	ND(0.72)
4-Nitrophenol	ND(0.71)	ND(0.83)	ND(0.71)	ND(0.71)	ND(0.77)	ND(0.70)	ND(0.72) J	ND(0.71) [ND(0.72)]	ND(0.72) [ND(0.71)]	ND(0.84)	ND(0.72)
Acenaphthene	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Acenaphthylene	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Acetophenone	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Anthracene	ND(0.18)	ND(0.21)	ND(0.18)	0.027 J	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Atrazine	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18) J	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Benzaldehyde	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18) J	ND(0.18) J [ND(0.18) J]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Benzo(a)anthracene	ND(0.18)	ND(0.21)	ND(0.18)	0.11 J	0.061 J	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Benzo(a)pyrene	0.034 J	ND(0.21)	ND(0.18)	0.11 J	0.067 J	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Benzo(b)fluoranthene	ND(0.18) J	ND(0.21)	ND(0.18)	0.15 J	0.080 J	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	0.29 J [0.13 J]	ND(0.21)	ND(0.18)
Benzo(g,h,i)perylene	ND(0.18) J	ND(0.21)	ND(0.18)	0.059 J	0.041 J	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Benzo(k)fluoranthene	0.040 J	ND(0.21)	ND(0.18)	0.14 J	0.073 J	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Biphenyl	ND(0.18) J	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
bis(2-Chloroethoxy)methane	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
bis(2-Chloroethyl)ether	ND(0.035)	ND(0.041)	ND(0.035)	ND(0.035)	ND(0.038)	ND(0.034)	ND(0.035)	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	ND(0.042)	ND(0.036)
bis(2-Chloroisopropyl)ether	ND(0.18) J	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
bis(2-Ethylhexyl)phthalate	0.18	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	0.070 J [0.15 J]	0.13 J	0.13 J
Butyl benzylphthalate	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [0.066 J]	ND(0.21)	ND(0.18)
Caprolactam	ND(0.18)	ND(0.21)	0.068 J	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) J [ND(0.18) J]	ND(0.18) J [ND(0.18)]	ND(0.21)	ND(0.18)
Carbazole	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18) J	ND(0.18) J [ND(0.18) J]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Chrysene	0.039 J	ND(0.21)	ND(0.18)	0.16 J	0.077 J	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Di-n-butylphthalate	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [0.10 J]	ND(0.21)	ND(0.18)
Di-n-octyl phthalate	ND(0.18) J	ND(0.21)	ND(0.18)	ND(0.18) J	ND(0.20) J	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Dibenzo(a,h)anthracene	ND(0.18) J	ND(0.21)	ND(0.18)	ND(0.18) J	ND(0.20) J	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Dibenzofuran	ND(0.18)	ND(0.21)	ND(0.18)	0.031 J	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Diethyl phthalate	ND(0.18)	0.080 J	ND(0.18)	0.15 J	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	0.051 J [ND(0.18)]	0.17 J	ND(0.18)
Dimethyl phthalate	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Fluoranthene	0.054 J	ND(0.21)	ND(0.18)	0.17 J	0.12 J	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	0.048 J [0.049 J]	ND(0.21)	ND(0.18)
Fluorene	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Hexachlorobenzene	ND(0.18) J	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Hexachlorobutadiene	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Hexachlorocyclopentadiene	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18) J	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Hexachloroethane	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Indeno(1,2,3-cd)pyrene	ND(0.18) J	ND(0.21)	ND(0.18)	0.046 J	0.038 J	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Isophorone	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Methylphenols, Total	ND(0.36)	ND(0.42)	ND(0.36)	ND(0.36)	ND(0.39)	ND(0.35)	ND(0.36)	ND(0.36) [ND(0.36)]	ND(0.36) [ND(0.36)]	ND(0.43)	ND(0.37)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-85-02	RFI-85-02	RFI-85-02	RFI-85-03	RFI-85-03	RFI-85-04	RFI-85-04	RFI-85-04	RFI-85-05	RFI-85-05	RFI-85-05
Sample Depth(feet):	1.3-3.3	7.3-9.3	9.3-11.3	1-3	5-7	0.5-2.5	12.5-14.5	8.5-10.5	1-3	17-19	5-7
Date Collected:	06/22/01	06/22/01	06/22/01	06/20/01	06/20/01	07/30/01	07/30/01	07/30/01	07/24/01	07/24/01	07/24/01
N-Nitrosodi-n-propylamine	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
N-Nitrosodiphenylamine	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Naphthalene	ND(0.18)	ND(0.21)	ND(0.18)	0.054 J	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Nitrobenzene	ND(0.071)	ND(0.083)	ND(0.071)	ND(0.071)	ND(0.077)	ND(0.070)	ND(0.072)	ND(0.071) [ND(0.072)]	ND(0.072) [ND(0.071)]	ND(0.084)	ND(0.072)
Pentachlorophenol	ND(0.71)	ND(0.83)	ND(0.71)	ND(0.71)	ND(0.77)	ND(0.70)	ND(0.72)	ND(0.71) [ND(0.72)]	ND(0.72) [ND(0.71)]	ND(0.84)	ND(0.72)
Phenanthrene	ND(0.18)	ND(0.21)	ND(0.18)	0.22 J	0.086 J	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	0.042 J [0.054 J]	0.054 J	ND(0.18)
Phenol	ND(0.18)	ND(0.21)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	ND(0.18) [ND(0.18)]	ND(0.21)	ND(0.18)
Pyrene	0.047 J	ND(0.21)	ND(0.18)	0.21 J	0.14 J	ND(0.18)	ND(0.18)	ND(0.18) [ND(0.18)]	0.049 J [0.049 J]	ND(0.21)	ND(0.18)
Inorganics											
Antimony	ND(0.23) J	ND(0.26) J	ND(0.23) J	0.064 J	0.045 J	0.14 J	ND(0.27) J	ND(0.25) J [ND(0.24) J]	ND(0.20) [ND(0.22)]	ND(0.24)	ND(0.27)
Arsenic	2.5	4.7	2.8	3.1	2.2	3.5	5	4.3 [3.6]	2.7 [3.1]	6.1	3.4
Barium	24	43	5.9	31	39	11 J	12 J	15 J [15 J]	20 [19]	75	12
Beryllium	0.21 J	0.56 J	0.081 J	0.18	0.19	0.15	0.21 J	0.17 J [0.12 J]	0.14 [0.14]	0.59	0.17
Cadmium	0.15 J	0.061 J	0.046 J	0.067	0.25	0.1	0.1	0.11 [0.10]	0.083 [0.093]	0.14	0.098
Chromium	6.9 J	19 J	4.7 J	8.1	8.7	5.9 J	6.1	6.3 [6.7]	19 [25]	20	7
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	1.8	6.8	1.8	2.5	3	2.4	2.4	2.6 [2.6]	2.6 [2.4]	10	2.3
Copper	4.9	14	3.9	9.1 J	25 J	5.0 J	5	6.5 [5.0]	14 J [18 J]	14 J	5.1 J
Cyanide (total)	0.039 J	0.018 J	ND(0.20) J	0.038 J	0.10 J	ND(0.20)	ND(0.20)	0.16 J [ND(0.20)]	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)
Lead	6.3	8.3	2.8	25 J	85 J	4.8	4.7	5.2 [5.0]	6.6 J [6.9 J]	10 J	5.5 J
Manganese	120 J	190 J	97 J	230	400	94	110 J	120 J [120 J]	260 J [250 J]	310 J	100 J
Mercury	ND(0.071)	ND(0.085)	ND(0.071)	0.25	0.043 J	0.018 J	ND(0.075)	ND(0.072) [ND(0.070)]	ND(0.074) [ND(0.075)]	ND(0.087)	ND(0.074)
Nickel	6.4	18	4.8	7.4	8	5.4 J	5.9	6.3 [6.6]	19 [14]	26	6.1
Selenium	0.16 J	0.18 J	0.094 J	0.29 J	0.27 J	ND(0.072)	0.23 J	0.25 J [0.19 J]	ND(0.20) [ND(0.12)]	ND(0.15)	ND(0.42) J
Silver	ND(0.23)	ND(0.26)	ND(0.23)	0.079 J	0.11 J	0.045 J	0.055 J	0.043 J [0.035 J]	0.034 J [0.073 J]	0.039 J	0.0070 J
Thallium	ND(0.23)	ND(0.26)	ND(0.23)	0.057 J	0.084 J	0.059 J	0.16 J	0.11 J [0.074 J]	0.085 J [0.086 J]	0.24 J	0.36
Vanadium	9.2	29	6.8	9.8	13	11	10	12 [11]	9.8 [9.1]	31	11
Zinc	23	42	13 B	25	56	22	20	23 [22]	18 [18]	44	24
PCBs											
Aroclor-1016	ND(0.037)	ND(0.043)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.044)	ND(0.038)
Aroclor-1221	ND(0.037)	ND(0.043)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.044)	ND(0.038)
Aroclor-1232	ND(0.037)	ND(0.043)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.044)	ND(0.038)
Aroclor-1242	ND(0.037)	ND(0.043)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.044)	ND(0.038)
Aroclor-1248	ND(0.037)	ND(0.043)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.044)	ND(0.038)
Aroclor-1254	ND(0.037)	ND(0.043)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.044)	ND(0.038)
Aroclor-1260	ND(0.037)	ND(0.043)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	0.030 J [0.026 J]	ND(0.044)	ND(0.038)
Total PCBs	ND(0.037)	ND(0.043)	ND(0.037)	ND(0.037)	ND(0.040)	ND(0.037)	ND(0.037)	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.044)	ND(0.038)
									0.03 [0.026]		

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-85-05	RFI-85-06	RFI-85-06	RFI-85-06	RFI-85-07	RFI-85-07	RFI-85-07	RFI-86-01	RFI-86-01	RFI-86-01	RFI-86-02
Sample Depth(feet):	9-11	0.7-2.7	10.7-12.7	8.7-10.7	0.5-2.5	11-13	8-10	0.5-2.5	4.5-6.5	8.5-10.5	1-3
Date Collected:	07/24/01	06/22/01	06/22/01	06/22/01	11/07/01	11/07/01	11/07/01	05/23/01	05/23/01	05/23/01	07/31/01
Volatiles											
1,1,1-Trichloroethane	ND(0.038)	ND(0.037)	0.29	ND(0.041)	ND(0.039)	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.037)	ND(0.040) [ND(0.040)]	ND(0.039)
1,1,2,2-Tetrachloroethane	ND(0.077) J	ND(0.075) J	ND(0.074) J	ND(0.082) J	ND(0.078)	ND(0.084)	ND(0.087)	ND(0.077)	ND(0.075)	ND(0.081) [ND(0.079)]	ND(0.077)
1,1,2-Trichloroethane	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.037)	ND(0.040) [ND(0.040)]	ND(0.039)
1,1-Dichloroethane	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.037)	ND(0.040) [ND(0.040)]	ND(0.039)
1,1-Dichloroethene	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.037)	ND(0.040) [ND(0.040)]	ND(0.039)
1,2,4-Trichlorobenzene	ND(0.16) J	ND(0.16) J	ND(0.16) J	ND(0.18) J	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.17)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16)	ND(0.16) J	ND(0.16) J	ND(0.18) J	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.17)
1,2-Dibromoethane (EDB)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.17)
1,2-Dichlorobenzene	ND(0.077)	ND(0.075)	ND(0.074)	ND(0.082)	ND(0.078)	ND(0.084)	ND(0.087)	ND(0.077)	ND(0.075)	ND(0.081) [ND(0.079)]	ND(0.077)
1,2-Dichloroethane	ND(0.038) J	ND(0.037) J	ND(0.037) J	ND(0.041) J	ND(0.039)	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.037) J	ND(0.040) J [ND(0.040) J]	ND(0.039)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.037)	ND(0.040) [ND(0.040)]	ND(0.039)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.077)	ND(0.075)	ND(0.074)	ND(0.082)	ND(0.078)	ND(0.084)	ND(0.087)	ND(0.077)	ND(0.075)	ND(0.081) [ND(0.079)]	ND(0.077)
1,4-Dichlorobenzene	ND(0.077)	ND(0.075)	ND(0.074)	ND(0.082)	ND(0.078)	ND(0.084)	ND(0.087)	ND(0.077)	ND(0.075)	ND(0.081) [ND(0.079)]	ND(0.077)
2-Butanone	ND(0.27) J	ND(0.27)	ND(0.27)	0.031 J	0.039 J	0.045 J	ND(0.31)	ND(0.27)	ND(0.27)	ND(0.29) [ND(0.28)]	ND(0.28)
2-Hexanone	ND(0.27) J	ND(0.27)	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.30)	ND(0.31)	ND(0.27)	ND(0.27)	ND(0.29) [ND(0.28)]	ND(0.28)
4-Methyl-2-pentanone	ND(0.27) J	ND(0.27)	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.30)	ND(0.31)	ND(0.27)	ND(0.27)	ND(0.29) [ND(0.28)]	ND(0.28)
Acetone	ND(1.6) J	ND(0.27) J	ND(0.27) J	ND(0.29) J	ND(0.28)	ND(0.30)	ND(0.31)	ND(0.27)	ND(0.27)	ND(0.29) [ND(0.28)]	ND(0.28)
Benzene	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.041)	0.042	ND(0.042)	ND(0.043)	0.1	ND(0.037)	ND(0.040) [ND(0.040)]	ND(0.039)
Benzene, isopropyl	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.17)	0.64	ND(0.19)	0.14 J	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.17)
Bromodichloromethane	ND(0.077)	ND(0.075)	ND(0.074)	ND(0.082)	ND(0.078)	ND(0.084)	ND(0.087)	ND(0.077)	ND(0.075)	ND(0.081) [ND(0.079)]	ND(0.077)
Bromoform	ND(0.077)	ND(0.075)	ND(0.074)	ND(0.082)	ND(0.078)	ND(0.084)	ND(0.087)	ND(0.077)	ND(0.075)	ND(0.081) [ND(0.079)]	ND(0.077)
Bromomethane	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.16)	ND(0.16) J	ND(0.17) J [ND(0.17) J]	ND(0.17) J
Carbon disulfide	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.17)
Carbon tetrachloride	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.037)	ND(0.040) [ND(0.040)]	ND(0.039)
Chlorobenzene	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.037)	ND(0.040) [ND(0.040)]	ND(0.039)
Chloroethane	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.17)
Chloroform	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.037)	ND(0.040) [ND(0.040)]	ND(0.039)
Chloromethane	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.17)
cis-1,2-Dichloroethene	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.037) J	ND(0.040) J [ND(0.040) J]	ND(0.039)
cis-1,3-Dichloropropene	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.037)	ND(0.040) [ND(0.040)]	ND(0.039)
Cyclohexane	ND(0.16)	ND(0.16) J	ND(0.16) J	ND(0.18) J	0.18	9.9 D	ND(0.19)	ND(0.16)	0.012 J	ND(0.17) J [ND(0.17) J]	ND(0.17)
Dibromochloromethane	ND(0.077)	ND(0.075)	ND(0.074)	ND(0.082)	ND(0.078)	ND(0.084)	ND(0.087)	ND(0.077)	ND(0.075)	ND(0.081) [ND(0.079)]	ND(0.077)
Dichlorodifluoromethane (CFC-12)	ND(0.077)	ND(0.075)	ND(0.074)	ND(0.082)	ND(0.078)	ND(0.084)	ND(0.087)	ND(0.077)	ND(0.075)	ND(0.081) [ND(0.079)]	ND(0.077)
Ethylbenzene	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.041)	ND(0.039)	5.5	ND(0.043)	0.18	0.0091 J	ND(0.040) [ND(0.040)]	ND(0.039)
m&p-Xylene	ND(0.077)	ND(0.075)	ND(0.074)	ND(0.082)	0.048 J	13 D	ND(0.087)	0.82	0.025 J	ND(0.081) [ND(0.079)]	ND(0.077)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-85-05	RFI-85-06	RFI-85-06	RFI-85-06	RFI-85-07	RFI-85-07	RFI-85-07	RFI-86-01	RFI-86-01	RFI-86-01	RFI-86-02
Sample Depth(feet):	9-11	0.7-2.7	10.7-12.7	8.7-10.7	0.5-2.5	11-13	8-10	0.5-2.5	4.5-6.5	8.5-10.5	1-3
Date Collected:	07/24/01	06/22/01	06/22/01	06/22/01	11/07/01	11/07/01	11/07/01	05/23/01	05/23/01	05/23/01	07/31/01
Methyl acetate	ND(0.16) J	ND(0.16) J	0.088 J	ND(0.18) J	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.17)
Methyl Tert Butyl Ether	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.30)	ND(0.31)	ND(0.27)	ND(0.27)	ND(0.29) [ND(0.28)]	ND(0.28)
Methylcyclohexane	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.18)	0.22	7.0 D	ND(0.19)	1.5	0.045 J	ND(0.17) [ND(0.17)]	ND(0.17)
Methylene chloride	ND(0.16) J	ND(0.16) J	ND(0.16) J	ND(0.18) J	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.17) J
o-Xylene	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.041)	0.029 J	0.047	ND(0.043)	0.66	0.018 J	ND(0.040) [ND(0.040)]	ND(0.039)
Styrene	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.037)	ND(0.040) [ND(0.040)]	ND(0.039)
Tetrachloroethene	ND(0.038)	ND(0.037)	2.2	ND(0.041)	ND(0.039)	ND(0.042)	ND(0.043)	0.011 J	ND(0.037) J	ND(0.040) J [ND(0.040) J]	ND(0.039)
Toluene	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.041)	0.038 J	ND(0.042)	0.040 J	0.67	ND(0.037)	ND(0.040) [ND(0.040)]	ND(0.039)
trans-1,2-Dichloroethene	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.037)	ND(0.040) [ND(0.040)]	ND(0.039)
trans-1,3-Dichloropropene	ND(0.038) J	ND(0.037)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.037)	ND(0.040) [ND(0.040)]	ND(0.039)
Trichloroethene	ND(0.038)	ND(0.037)	2.8	ND(0.041)	ND(0.039)	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.037)	ND(0.040) [ND(0.040)]	ND(0.039)
Trichlorofluoromethane (CFC-11)	ND(0.077)	ND(0.075)	ND(0.074)	ND(0.082)	ND(0.078)	ND(0.084)	ND(0.087)	ND(0.077)	ND(0.075)	ND(0.081) [ND(0.079)]	ND(0.077)
Trifluorotrichloroethane (Freon 113)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.18)	ND(0.19)	ND(0.16)	ND(0.16)	ND(0.17) [ND(0.17)]	ND(0.17)
Vinyl chloride	ND(0.038)	ND(0.037)	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.037)	ND(0.040) [ND(0.040)]	ND(0.039)
Xylenes (total)	ND(0.077)	ND(0.075)	ND(0.074)	ND(0.082)	0.077	13	ND(0.087)	1.5	0.043	ND(0.081) [ND(0.079)]	ND(0.077)
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
2,4,6-Trichlorophenol	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
2,4-Dichlorophenol	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
2,4-Dimethylphenol	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
2,4-Dinitrophenol	ND(0.72)	ND(0.73)	ND(0.72)	ND(0.77)	ND(0.75)	ND(0.82)	ND(0.82)	ND(0.74)	ND(0.72) J	ND(0.77) J [ND(0.76) J]	ND(0.74)
2,4-Dinitrotoluene	ND(0.72) J	ND(0.73)	ND(0.72)	ND(0.77)	ND(0.75)	ND(0.82)	ND(0.82)	ND(0.74)	ND(0.72)	ND(0.77) [ND(0.76)]	ND(0.74)
2,6-Dinitrotoluene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
2-Chloronaphthalene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
2-Chlorophenol	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
2-Methyl naphthalene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	0.12 J	0.82	ND(0.21)	0.66	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
2-Methylphenol	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
2-Nitroaniline	ND(0.72)	ND(0.73)	ND(0.72)	ND(0.77)	ND(0.75)	ND(0.82)	ND(0.82)	ND(0.74)	ND(0.72)	ND(0.77) [ND(0.76)]	ND(0.74)
2-Nitrophenol	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
3&4-Methylphenol	ND(0.37) J	ND(0.37)	ND(0.36)	ND(0.39)	ND(0.38)	ND(0.42)	ND(0.41)	ND(0.37)	ND(0.37)	ND(0.39) [ND(0.39)]	ND(0.37) J
3,3-Dichlorobenzidine	ND(0.72)	ND(0.73)	ND(0.72)	ND(0.77)	ND(0.75)	ND(0.82)	ND(0.82)	ND(0.74) J	ND(0.72)	ND(0.77) [ND(0.76)]	ND(0.74)
3-Nitroaniline	ND(0.72)	ND(0.73)	ND(0.72)	ND(0.77)	ND(0.75)	ND(0.82)	ND(0.82)	ND(0.74)	ND(0.72)	ND(0.77) [ND(0.76)]	ND(0.74)
4,6-Dinitro-2-methylphenol	ND(0.72) J	ND(0.73)	ND(0.72)	ND(0.77)	ND(0.75)	ND(0.82)	ND(0.82)	ND(0.74)	ND(0.72)	ND(0.77) [ND(0.76)]	ND(0.74)
4-Bromophenyl phenyl ether	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
4-Chloro-3-methylphenol	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-85-05	RFI-85-06	RFI-85-06	RFI-85-06	RFI-85-07	RFI-85-07	RFI-85-07	RFI-86-01	RFI-86-01	RFI-86-01	RFI-86-02
Sample Depth(feet):	9-11	0.7-2.7	10.7-12.7	8.7-10.7	0.5-2.5	11-13	8-10	0.5-2.5	4.5-6.5	8.5-10.5	1-3
Date Collected:	07/24/01	06/22/01	06/22/01	06/22/01	11/07/01	11/07/01	11/07/01	05/23/01	05/23/01	05/23/01	07/31/01
4-Chloroaniline	ND(0.72)	ND(0.73)	ND(0.72)	ND(0.77)	ND(0.75)	ND(0.82)	ND(0.82)	ND(0.74)	ND(0.72)	ND(0.77) [ND(0.76)]	ND(0.74)
4-Chlorophenyl phenyl ether	ND(0.72)	ND(0.73)	ND(0.72)	ND(0.77) J	ND(0.75)	ND(0.82)	ND(0.82)	ND(0.74)	ND(0.72)	ND(0.77) [ND(0.76)]	ND(0.74)
4-Nitroaniline	ND(0.72)	ND(0.73) J	ND(0.72) J	ND(0.77)	ND(0.75)	ND(0.82)	ND(0.82)	ND(0.74)	ND(0.72)	ND(0.77) [ND(0.76)]	ND(0.74) J
4-Nitrophenol	ND(0.72)	ND(0.73)	ND(0.72)	ND(0.77)	ND(0.75)	ND(0.82)	ND(0.82)	ND(0.74)	ND(0.72)	ND(0.77) [ND(0.76)]	ND(0.74)
Acenaphthene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	0.040 J	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
Acenaphthylene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	0.61	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
Acetophenone	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
Anthracene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	0.041 J	ND(0.21)	ND(0.21)	0.29	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
Atrazine	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
Benzaldehyde	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19) J
Benzo(a)anthracene	ND(0.18)	0.041 J	ND(0.18)	ND(0.20)	0.15 J	ND(0.21)	ND(0.21)	2.5 J	0.068 J	ND(0.19) [ND(0.19)]	ND(0.19)
Benzo(a)pyrene	ND(0.18)	0.034 J	ND(0.18)	ND(0.20)	0.15 J	ND(0.21)	ND(0.21)	3.9 J(RDC)	0.073 J	ND(0.19) [ND(0.19)]	ND(0.19)
Benzo(b)fluoranthene	ND(0.18)	0.046 J	ND(0.18)	ND(0.20)	0.18 J	ND(0.21)	ND(0.21)	4.3 DJ	0.078 J	ND(0.19) [ND(0.19)]	ND(0.19)
Benzo(g,h,i)perylene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.21)	ND(0.21)	4.5 EJ	0.065 J	ND(0.19) [ND(0.19)]	ND(0.19)
Benzo(k)fluoranthene	ND(0.18)	0.044 J	ND(0.18)	ND(0.20)	0.16 J	ND(0.21)	ND(0.21)	3.5 J	0.057 J	ND(0.19) [ND(0.19)]	ND(0.19)
Biphenyl	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.21)	ND(0.21)	0.074 J	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
bis(2-Chloroethoxy)methane	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
bis(2-Chloroethyl)ether	ND(0.036)	ND(0.036)	ND(0.035)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.036)	ND(0.036)	ND(0.038) [ND(0.038)]	ND(0.036)
bis(2-Chloroisopropyl)ether	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
bis(2-Ethylhexyl)phthalate	0.11 J	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	0.11 J	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
Butyl benzylphthalate	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	0.056 J	ND(0.21)	ND(0.21)	0.38 J	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
Caprolactam	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19) J
Carbazole	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	0.14 J	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19) J
Chrysene	ND(0.18)	0.052 J	ND(0.18)	ND(0.20)	0.17 J	ND(0.21)	ND(0.21)	3.0 J	0.086 J	ND(0.19) [ND(0.19)]	ND(0.19)
Di-n-butylphthalate	0.10 J	ND(0.18)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
Di-n-octyl phthalate	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19) J	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
Dibenzo(a,h)anthracene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.21)	ND(0.21)	1.3 J	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
Dibenzofuran	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	0.049 J	ND(0.21)	ND(0.21)	0.23	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
Diethyl phthalate	0.10 J	0.096 J	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
Dimethyl phthalate	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
Fluoranthene	ND(0.18)	0.082 J	ND(0.18)	ND(0.20)	0.2	ND(0.21)	ND(0.21)	2.2	0.12 J	ND(0.19) [ND(0.19)]	ND(0.19)
Fluorene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	0.057 J	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
Hexachlorobenzene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
Hexachlorobutadiene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
Hexachlorocyclopentadiene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
Hexachloroethane	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
Indeno(1,2,3-cd)pyrene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20) J	ND(0.19)	ND(0.21)	ND(0.21)	4.0 J	0.060 J	ND(0.19) [ND(0.19)]	ND(0.19)
Isophorone	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
Methylphenols, Total	ND(0.37)	ND(0.37)	ND(0.36)	ND(0.39)	ND(0.38)	ND(0.42)	ND(0.41)	ND(0.37)	ND(0.37)	ND(0.39) [ND(0.39)]	ND(0.37)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-85-05	RFI-85-06	RFI-85-06	RFI-85-06	RFI-85-07	RFI-85-07	RFI-85-07	RFI-86-01	RFI-86-01	RFI-86-01	RFI-86-02
Sample Depth(feet):	9-11	0.7-2.7	10.7-12.7	8.7-10.7	0.5-2.5	11-13	8-10	0.5-2.5	4.5-6.5	8.5-10.5	1-3
Date Collected:	07/24/01	06/22/01	06/22/01	06/22/01	11/07/01	11/07/01	11/07/01	05/23/01	05/23/01	05/23/01	07/31/01
N-Nitrosodi-n-propylamine	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
N-Nitrosodiphenylamine	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
Naphthalene	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	0.078 J	0.57	ND(0.21)	0.44	ND(0.18)	ND(0.19) [0.19 J]	ND(0.19)
Nitrobenzene	ND(0.072)	ND(0.073)	ND(0.072)	ND(0.077)	ND(0.075)	ND(0.082)	ND(0.082)	ND(0.074)	ND(0.072)	ND(0.077) [ND(0.076)]	ND(0.074)
Pentachlorophenol	ND(0.72)	ND(0.73)	ND(0.72)	ND(0.77)	ND(0.75)	ND(0.82)	ND(0.82)	ND(0.74)	ND(0.72)	ND(0.77) [ND(0.76)]	ND(0.74)
Phenanthrene	ND(0.18)	0.054 J	ND(0.18)	ND(0.20)	0.29	ND(0.21)	ND(0.21)	1	0.063 J	ND(0.19) [ND(0.19)]	ND(0.19)
Phenol	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.21)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.19)]	ND(0.19)
Pyrene	ND(0.18)	0.069 J	ND(0.18)	ND(0.20)	0.42	ND(0.21)	ND(0.21)	5.0 DJ	0.12 J	ND(0.19) [ND(0.19)]	ND(0.19)
Inorganics											
Antimony	ND(0.22)	ND(0.24) J	ND(0.22) J	ND(0.24) J	0.10 J	ND(0.20)	ND(0.17)	0.52	ND(0.39)	ND(0.46) [ND(0.39)]	ND(0.25) J
Arsenic	3.8	3.2	3.1	3.1	8.7(RDC)	7.2	5.2	12 J(RDC)	7.4 J	3.3 J [3.0 J]	2.7
Barium	15	20	7.4 J	15	47	80	37	57 J	16 J	15 J [5.9 J]	9.2 J
Beryllium	0.14	0.18 J	0.095 J	0.18 J	1	0.55	0.43	0.68 J	0.19 J	1.6 J [1.1 J]	0.13 J
Cadmium	0.12	0.070 J	0.099 J	0.055 J	0.12	0.11	0.11	0.62	0.13	4.4 [1.3]	0.054
Chromium	5.8	14 J	4.3	6.1 J	9.7	20	13	17	8.1	8.9 [4.7]	4.8
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	2.5	3.3	1.9	2.2	5.1	9.3	6	5.3	3.6	74 [29]	2.6
Copper	5.0 J	21	4.5	5.3	45	16	11	47	9.6	27 [18]	4.5
Cyanide (total)	0.072 J	0.039 J	ND(0.020) J	ND(0.20) J	ND(0.20)	ND(0.20)	ND(0.20)	0.046 J	ND(0.20)	0.086 J [0.0071 J]	ND(0.20)
Lead	5.5 J	5.8	3.7	3	66	12	10	110 J	7.7 J	6.4 J [2.9 J]	2.8
Manganese	100 J	130 J	100 J	87 J	140	490	340	380 J	230 J	3,200 J(IPSIC) [1,100 J]	80 J
Mercury	ND(0.074)	0.018 J	ND(0.075)	0.021 J	0.18	0.032 J	0.14	0.15	ND(0.076)	ND(0.079) [ND(0.078)]	ND(0.077)
Nickel	6	8.5	5.2	6.9	18	21	13	30	9.5	75 [31]	5.6
Selenium	ND(0.22)	0.20 J	0.17 J	0.19 J	0.21	ND(0.081)	0.25 J	0.89 J	ND(1.6)	ND(1.8) [ND(1.6)]	0.41 J
Silver	ND(0.21)	ND(0.25)	ND(0.22)	ND(0.24)	0.11 J	0.081 J	0.070 J	0.21	0.057 J	0.14 J [ND(0.18)]	0.023 J
Thallium	0.099 J	ND(0.24) J	ND(0.22)	ND(0.24)	0.14 J	0.21	0.11 J	0.31	ND(0.25)	0.23 J [ND(0.25)]	0.047 J
Vanadium	11	10	6.9	9.8	17	31	20	15	14	13 [5.7]	10
Zinc	23	20	15	17	50	47	34	130	33	540 [220]	19
PCBs											
Aroclor-1016	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.043)	ND(0.043)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.039)
Aroclor-1221	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.043)	ND(0.043)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.039)
Aroclor-1232	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.043)	ND(0.043)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.039)
Aroclor-1242	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.043)	ND(0.043)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.039)
Aroclor-1248	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.043)	ND(0.043)	ND(0.039)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.039)
Aroclor-1254	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.043)	ND(0.043)	0.073	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.039)
Aroclor-1260	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.043)	ND(0.043)	0.039	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.039)
Total PCBs	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.040)	ND(0.039)	ND(0.043)	ND(0.043)	0.11	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.039)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-86-02	RFI-86-03	RFI-86-03	RFI-86-04	RFI-86-04	RFI-86-05	RFI-86-05	RFI-86-05	RFI-86-06D	RFI-86-06D
Sample Depth(feet):	7-9	2-4	4-6	1-3	3-5	1-3	3-5	5-7	2-4	6-8
Date Collected:	07/31/01	06/20/01	06/20/01	07/24/01	07/24/01	06/20/01	06/20/01	06/20/01	06/15/01	06/15/01
Volatiles										
1,1,1-Trichloroethane	ND(0.037) [ND(0.037)]	ND(0.043)	0.05	ND(0.040)	ND(0.040)	0.19	0.29	0.064	ND(0.042)	ND(0.052)
1,1,2,2-Tetrachloroethane	ND(0.073) [ND(0.074)]	ND(0.086)	ND(0.083)	ND(0.079) J	ND(0.081)	ND(0.077)	ND(0.076)	ND(0.081)	ND(0.083)	ND(0.10)
1,1,2-Trichloroethane	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.041)	ND(0.042)	ND(0.052)
1,1-Dichloroethane	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.041)	ND(0.042)	ND(0.052)
1,1-Dichloroethene	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.041)	ND(0.042)	ND(0.052)
1,2,4-Trichlorobenzene	ND(0.16) [ND(0.16)]	ND(0.18) J	ND(0.18) J	ND(0.17) J	ND(0.17)	ND(0.16) J	ND(0.16) J	ND(0.17) J	ND(0.18) J	ND(0.22) J
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.16) [ND(0.16)]	ND(0.18) J	ND(0.18) J	ND(0.17)	ND(0.17)	ND(0.16) J	ND(0.16) J	ND(0.17) J	ND(0.18) J	ND(0.22) J
1,2-Dibromoethane (EDB)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.22)
1,2-Dichlorobenzene	ND(0.073) [ND(0.074)]	ND(0.086)	ND(0.083)	ND(0.079)	ND(0.081)	ND(0.077)	ND(0.076)	ND(0.081)	ND(0.083)	ND(0.10)
1,2-Dichloroethane	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	ND(0.040) J	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.041)	ND(0.042)	ND(0.052)
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.041)	ND(0.042)	ND(0.052)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.073) [ND(0.074)]	ND(0.086)	ND(0.083)	ND(0.079)	ND(0.081)	ND(0.077)	ND(0.076)	ND(0.081)	ND(0.083)	ND(0.10)
1,4-Dichlorobenzene	ND(0.073) [ND(0.074)]	ND(0.086)	ND(0.083)	ND(0.079)	ND(0.081)	ND(0.077)	ND(0.076)	ND(0.081)	ND(0.083)	ND(0.10)
2-Butanone	ND(0.26) [ND(0.27)]	ND(0.31)	ND(0.30)	ND(0.28) J	ND(0.29)	ND(0.27)	ND(0.27)	ND(0.29)	ND(0.30)	ND(0.37)
2-Hexanone	ND(0.26) [ND(0.27)]	ND(0.31)	ND(0.30)	ND(0.28) J	ND(0.29)	ND(0.27)	ND(0.27)	ND(0.29)	ND(0.30)	ND(0.37)
4-Methyl-2-pentanone	ND(0.26) [ND(0.27)]	0.17 J	ND(0.30)	ND(0.28) J	ND(0.29)	0.24 J	ND(0.27)	ND(0.29)	ND(0.30)	ND(0.37)
Acetone	ND(0.26) [ND(0.27)]	ND(0.31)	ND(0.30)	ND(1.7) J	ND(0.67) J	ND(0.27)	ND(0.27)	ND(0.29)	ND(0.30)	ND(0.37)
Benzene	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.041)	ND(0.042)	ND(0.052)
Benzene, isopropyl	0.031 J [0.042 J]	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17)	0.028 J	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.22)
Bromodichloromethane	ND(0.073) [ND(0.074)]	ND(0.086)	ND(0.083)	ND(0.079)	ND(0.081)	ND(0.077)	ND(0.076)	ND(0.081)	ND(0.083)	ND(0.10)
Bromoform	ND(0.073) [ND(0.074)]	ND(0.086)	ND(0.083)	ND(0.079)	ND(0.081)	ND(0.077)	ND(0.076)	ND(0.081)	ND(0.083)	ND(0.10)
Bromomethane	ND(0.16) [ND(0.16) J]	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.22)
Carbon disulfide	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.22)
Carbon tetrachloride	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.041)	ND(0.042)	ND(0.052)
Chlorobenzene	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.041)	ND(0.042)	ND(0.052)
Chloroethane	ND(0.16) J [ND(0.16)]	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.22)
Chloroform	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.041)	ND(0.042)	ND(0.052)
Chloromethane	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18) J	ND(0.22) J
cis-1,2-Dichloroethene	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.041)	ND(0.042)	ND(0.052)
cis-1,3-Dichloropropene	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.041)	ND(0.042)	ND(0.052)
Cyclohexane	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.22)
Dibromochloromethane	ND(0.073) [ND(0.074)]	ND(0.086)	ND(0.083)	ND(0.079)	ND(0.081)	ND(0.077)	ND(0.076)	ND(0.081)	ND(0.083)	ND(0.10)
Dichlorodifluoromethane (CFC-12)	ND(0.073) [ND(0.074)]	ND(0.086)	ND(0.083)	ND(0.079)	ND(0.081)	ND(0.077)	ND(0.076)	ND(0.081)	ND(0.083)	ND(0.10)
Ethylbenzene	0.028 J [0.039]	0.065	ND(0.042)	ND(0.040)	ND(0.040)	0.032 J	ND(0.038)	ND(0.041)	ND(0.042)	ND(0.052)
m&p-Xylene	0.029 J [0.035 J]	0.22	ND(0.083)	0.082	0.034 J	0.1	0.079	0.046 J	ND(0.083)	ND(0.10)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-86-02	RFI-86-03	RFI-86-03	RFI-86-04	RFI-86-04	RFI-86-05	RFI-86-05	RFI-86-05	RFI-86-06D	RFI-86-06D
Sample Depth(feet):	7-9	2-4	4-6	1-3	3-5	1-3	3-5	5-7	2-4	6-8
Date Collected:	07/31/01	06/20/01	06/20/01	07/24/01	07/24/01	06/20/01	06/20/01	06/20/01	06/15/01	06/15/01
Methyl acetate	ND(0.16) [ND(0.16)]	0.037 J	ND(0.18)	ND(0.17) J	0.030 J	ND(0.16)	0.29	ND(0.17)	ND(0.18)	0.073 J
Methyl Tert Butyl Ether	ND(0.26) [ND(0.27)]	ND(0.31)	ND(0.30)	ND(0.28)	ND(0.29)	ND(0.27)	ND(0.27)	ND(0.29)	ND(0.30)	ND(0.37)
Methylcyclohexane	ND(0.16) [0.033 J]	ND(0.18)	ND(0.18)	0.12 J	0.038 J	0.19	0.13 J	ND(0.17)	ND(0.18)	0.045 J
Methylene chloride	ND(0.16) [ND(0.16) J]	ND(0.18)	ND(0.18)	ND(0.17) J	ND(0.17) J	ND(0.16)	0.14 J	0.15 J	ND(0.18)	ND(0.22)
o-Xylene	0.037 [0.047]	0.041 J	ND(0.042)	0.053	ND(0.040)	0.095	0.049	ND(0.041)	ND(0.042)	ND(0.052)
Styrene	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.041)	ND(0.042)	ND(0.052)
Tetrachloroethene	ND(0.037) [ND(0.037)]	0.06	0.055	ND(0.040)	ND(0.040)	0.077	0.18	0.054	ND(0.042)	ND(0.052)
Toluene	ND(0.037) [ND(0.037)]	0.11	ND(0.042)	0.087	ND(0.040)	0.25	0.055	ND(0.041)	ND(0.042)	ND(0.052)
trans-1,2-Dichloroethene	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.041)	ND(0.042)	ND(0.052)
trans-1,3-Dichloropropene	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	ND(0.040) J	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.041)	ND(0.042)	ND(0.052)
Trichloroethene	ND(0.037) [ND(0.037)]	0.2	0.15	ND(0.040)	ND(0.040)	0.16	0.081	ND(0.041)	ND(0.042)	0.073
Trichlorofluoromethane (CFC-11)	ND(0.073) [ND(0.074)]	ND(0.086)	ND(0.083)	ND(0.079)	ND(0.081)	ND(0.077)	ND(0.076)	ND(0.081)	ND(0.083)	ND(0.10)
Trifluorotrichloroethane (Freon 113)	ND(0.16) [ND(0.16)]	ND(0.18)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.16)	ND(0.17)	ND(0.18)	ND(0.22)
Vinyl chloride	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.041)	ND(0.042)	ND(0.052)
Xylenes (total)	0.066 [0.082]	0.26	ND(0.083)	0.14	0.034	0.2	0.13	0.046	ND(0.083)	ND(0.10)
Semivolatiles										
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
2,4,6-Trichlorophenol	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
2,4-Dichlorophenol	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
2,4-Dimethylphenol	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
2,4-Dinitrophenol	ND(3.5) [ND(3.5)]	ND(0.82)	ND(0.80)	ND(0.75) J	ND(0.76) J	ND(0.75)	ND(0.71)	ND(0.77)	ND(0.78)	ND(1.0)
2,4-Dinitrotoluene	ND(3.5) [ND(3.5)]	ND(0.82)	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.75)	ND(0.71)	ND(0.77)	ND(0.78)	ND(1.0)
2,6-Dinitrotoluene	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
2-Chloronaphthalene	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
2-Chlorophenol	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
2-Methyl naphthalene	7.4 [7.4]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
2-Methylphenol	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
2-Nitroaniline	ND(3.5) [ND(3.5)]	ND(0.82)	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.75)	ND(0.71)	ND(0.77)	ND(0.78)	ND(1.0)
2-Nitrophenol	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
3&4-Methylphenol	ND(1.8) J [ND(1.8) J]	ND(0.42)	ND(0.41)	ND(0.38) J	ND(0.39) J	ND(0.38)	ND(0.36)	ND(0.39)	ND(0.40)	ND(0.52)
3,3-Dichlorobenzidine	ND(3.5) J [ND(3.5) J]	ND(0.82)	ND(0.80)	ND(0.75) J	ND(0.76)	ND(0.75)	ND(0.71)	ND(0.77)	ND(0.78)	ND(1.0)
3-Nitroaniline	ND(3.5) [ND(3.5)]	ND(0.82) J	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.75)	ND(0.71)	ND(0.77)	ND(0.78)	ND(1.0)
4,6-Dinitro-2-methylphenol	ND(3.5) [ND(3.5)]	ND(0.82)	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.75)	ND(0.71)	ND(0.77)	ND(0.78)	ND(1.0)
4-Bromophenyl phenyl ether	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
4-Chloro-3-methylphenol	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-86-02	RFI-86-03	RFI-86-03	RFI-86-04	RFI-86-04	RFI-86-05	RFI-86-05	RFI-86-05	RFI-86-06D	RFI-86-06D
Sample Depth(feet):	7-9	2-4	4-6	1-3	3-5	1-3	3-5	5-7	2-4	6-8
Date Collected:	07/31/01	06/20/01	06/20/01	07/24/01	07/24/01	06/20/01	06/20/01	06/20/01	06/15/01	06/15/01
4-Chloroaniline	ND(3.5) [ND(3.5)]	ND(0.82)	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.75)	ND(0.71)	ND(0.77)	ND(0.78)	ND(1.0)
4-Chlorophenyl phenyl ether	ND(3.5) [ND(3.5)]	ND(0.82)	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.75)	ND(0.71)	ND(0.77)	ND(0.78)	ND(1.0)
4-Nitroaniline	ND(3.5) [ND(3.5) J]	ND(0.82)	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.75)	ND(0.71)	ND(0.77)	ND(0.78)	ND(1.0)
4-Nitrophenol	ND(3.5) [ND(3.5)]	ND(0.82) J	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.75)	ND(0.71)	ND(0.77)	ND(0.78)	ND(1.0)
Acenaphthene	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
Acenaphthylene	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	0.056 J	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
Acetophenone	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
Anthracene	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	0.048 J	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
Atrazine	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
Benzaldehyde	ND(0.90) J [ND(0.89) J]	ND(0.21) J	ND(0.20) J	ND(0.19)	ND(0.19)	ND(0.19) J	ND(0.18) J	ND(0.19) J	ND(0.20) J	ND(0.26) J
Benzo(a)anthracene	ND(0.90) J [ND(0.89) J]	ND(0.21)	ND(0.20)	0.11 J	ND(0.19)	0.037 J	ND(0.18)	ND(0.19)	0.050 J	0.067 J
Benzo(a)pyrene	ND(0.90) J [ND(0.89) J]	ND(0.21)	ND(0.20)	0.18 J	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	0.058 J	0.074 J
Benzo(b)fluoranthene	ND(0.90) J [ND(0.89) J]	ND(0.21)	0.13 J	0.40 J	ND(0.19)	0.15 J	0.13 J	0.13 J	0.16 J	0.21 J
Benzo(g,h,i)perylene	ND(0.90) J [ND(0.89) J]	ND(0.21)	ND(0.20) J	ND(0.19) J	ND(0.19)	ND(0.19) J	ND(0.18) J	ND(0.19) J	ND(0.20) J	ND(0.26) J
Benzo(k)fluoranthene	ND(0.90) J [ND(0.89) J]	ND(0.21)	ND(0.20)	0.21 J	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	0.16 J	0.21 J
Biphenyl	ND(0.90) [ND(0.89)]	ND(0.21) J	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
bis(2-Chloroethoxy)methane	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
bis(2-Chloroethyl)ether	ND(0.17) [ND(0.17)]	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.038)	ND(0.037)	ND(0.035)	ND(0.038)	ND(0.039)	ND(0.050)
bis(2-Chloroisopropyl)ether	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
bis(2-Ethylhexyl)phthalate	ND(0.90) J [ND(0.89) J]	ND(0.21)	ND(0.20)	ND(0.19) J	ND(0.19)	0.33 J	0.47 J	0.22 J	ND(0.20)	ND(0.26)
Butyl benzylphthalate	ND(0.90) J [ND(0.89) J]	ND(0.21)	ND(0.20)	ND(0.19) J	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
Caprolactam	ND(0.90) J [ND(0.89) J]	ND(0.21)	ND(0.20)	ND(0.19) J	ND(0.19) J	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
Carbazole	ND(0.90) J [ND(0.89) J]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
Chrysene	1.3 J [1.1 J]	ND(0.21)	ND(0.20)	0.15 J	ND(0.19)	0.049 J	ND(0.18)	ND(0.19)	0.060 J	0.076 J
Di-n-butylphthalate	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
Di-n-octyl phthalate	ND(0.90) J [ND(0.89) J]	ND(0.21)	ND(0.20)	ND(0.19) J	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
Dibenzo(a,h)anthracene	ND(0.90) J [ND(0.89) J]	ND(0.21)	ND(0.20) J	ND(0.19) J	ND(0.19)	ND(0.19) J	ND(0.18) J	ND(0.19) J	ND(0.20)	ND(0.26)
Dibenzofuran	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
Diethyl phthalate	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	0.18 J	0.11 J	ND(0.18)	0.10 J	ND(0.20)	ND(0.26)
Dimethyl phthalate	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
Fluoranthene	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	0.20 J	0.038 J	0.049 J	ND(0.18)	ND(0.19)	0.072 J	0.11 J
Fluorene	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
Hexachlorobenzene	ND(0.90) [ND(0.89)]	ND(0.21) J	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
Hexachlorobutadiene	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
Hexachlorocyclopentadiene	ND(0.90) [ND(0.89)]	ND(0.21) J	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
Hexachloroethane	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
Indeno(1,2,3-cd)pyrene	ND(0.90) J [ND(0.89) J]	ND(0.21)	ND(0.20) J	ND(0.19) J	ND(0.19)	ND(0.19) J	ND(0.18) J	ND(0.19) J	0.032 J	ND(0.26)
Isophorone	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
Methylphenols, Total	ND(1.8) [ND(1.8)]	ND(0.42)	ND(0.41)	ND(0.38)	ND(0.39)	ND(0.38)	ND(0.36)	ND(0.39)	ND(0.40)	ND(0.52)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-86-02	RFI-86-03	RFI-86-03	RFI-86-04	RFI-86-04	RFI-86-05	RFI-86-05	RFI-86-05	RFI-86-06D	RFI-86-06D
Sample Depth(feet):	7-9	2-4	4-6	1-3	3-5	1-3	3-5	5-7	2-4	6-8
Date Collected:	07/31/01	06/20/01	06/20/01	07/24/01	07/24/01	06/20/01	06/20/01	06/20/01	06/15/01	06/15/01
N-Nitrosodi-n-propylamine	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
N-Nitrosodiphenylamine	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
Naphthalene	1.9 [1.8]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	0.060 J	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
Nitrobenzene	ND(0.35) [ND(0.35)]	ND(0.082)	ND(0.080)	ND(0.075)	ND(0.076)	ND(0.075)	ND(0.071)	ND(0.077)	ND(0.078)	ND(0.10)
Pentachlorophenol	ND(3.5) [ND(3.5)]	ND(0.82)	ND(0.80)	ND(0.75)	ND(0.76)	ND(0.75)	ND(0.71)	ND(0.77)	ND(0.78)	ND(1.0)
Phenanthrene	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	0.14 J	ND(0.19)	0.093 J	0.041 J	ND(0.19)	0.067 J	0.071 J
Phenol	ND(0.90) [ND(0.89)]	ND(0.21)	ND(0.20)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.26)
Pyrene	ND(0.90) J [ND(0.89) J]	ND(0.21)	ND(0.20)	0.27 J	ND(0.19)	0.058 J	ND(0.18)	ND(0.19)	0.091 J	0.12 J
Inorganics										
Antimony	ND(0.23) J [ND(0.23) J]	0.056 J	0.072 J	ND(1.2)	ND(1.0)	0.22 J	0.068 J	0.071 J	0.14 J	1.1 J
Arsenic	3.5 [2.9]	9.8(RDC)	34(RDC)	4.5	4.5	5.8	3.1	4	4.8	13(RDC)
Barium	8.4 J [5.6 J]	160	14	77	98	54	37	31	35 J	200 J
Beryllium	0.095 J [0.088 J]	0.98	0.14	0.29	0.15	0.6	0.25	0.36	0.56 J	0.72 J
Cadmium	0.094 [0.063]	0.094	0.14	1.1	0.32	0.2	0.089	0.078	0.34	0.93
Chromium	7 [4.7]	30	8.5	19	20	16	15	11	13	28
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	2.3 [1.9]	10	3.6	4	4.2	5.3	3.9	3.7	5.7	7.8
Copper	5.2 [4.1]	19 J	8.1 J	460 J	160 J	23 J	14 J	9.5 J	58	81
Cyanide (total)	ND(0.20) [ND(0.20)]	0.044 J	0.022 J	0.066 J	0.092 J	0.36	0.081 J	0.035 J	0.021 J	0.16 J
Lead	6 [3.6]	14 J	4.7 J	630 J(RDC)	460 J(RDC)	27 J	7.6 J	10 J	110 J	260 J
Manganese	120 J [85 J]	400	130	270 J	280 J	1000	490	310	210 J	350 J
Mercury	ND(0.074) [ND(0.071)]	0.043 J	ND(0.084)	0.041 J	0.028 J	0.15	0.08	0.040 J	0.033 J	0.16
Nickel	6.4 [5.3]	28	8.6	16	23	18	9.4	7.5	39	22
Selenium	0.33 J [0.32 J]	0.19 J	0.28 J	ND(0.63) J	ND(0.33) J	0.66	0.23 J	0.26 J	0.36 J	1.1
Silver	0.022 J [0.024 J]	0.21 J	0.080 J	0.17 J	0.077 J	0.091 J	0.057 J	0.041 J	ND(0.24)	ND(0.51)
Thallium	0.072 J [0.046 J]	0.23 J	0.055 J	0.16 J	0.10 J	0.15 J	0.050 J	0.094 J	0.17 J	0.32
Vanadium	12 [8.6]	48	13	15	9.3	16	11	15	16	29
Zinc	25 [16]	60	29	370	160	30	35	24	78 J	200 J
PCBs										
Aroclor-1016	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.041)	ND(0.053)
Aroclor-1221	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.041)	ND(0.053)
Aroclor-1232	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.041)	ND(0.053)
Aroclor-1242	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.041)	ND(0.053)
Aroclor-1248	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	ND(0.039)	ND(0.040)	ND(0.039)	ND(0.037)	ND(0.040)	0.054	ND(0.053)
Aroclor-1254	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	0.041	ND(0.040)	0.067	0.026 J	ND(0.040)	ND(0.041)	ND(0.053)
Aroclor-1260	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	0.022 J	ND(0.040)	0.037 J	0.014 J	ND(0.040)	ND(0.041)	ND(0.053)
Total PCBs	ND(0.037) [ND(0.037)]	ND(0.043)	ND(0.042)	0.063	ND(0.040)	0.1	0.04	ND(0.040)	0.054	ND(0.053)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-86-07	RFI-86-07	RFI-86-08	RFI-86-08	RFI-86-08	RFI-86-10	RFI-86-11	RFI-86-11	RFI-86-12	RFI-86-12	RFI-86-13
Sample Depth(feet):	0.7-2.7	87-10.7	0.6-2.6	10.6-12.6	8.6-10.6	6.5-8.5	0.7-2.7	2.7-4.7	0.8-2.8	2.8-4.8	0.8-2.8
Date Collected:	05/23/01	05/23/01	07/20/01	07/20/01	07/20/01	11/21/01	11/21/01	11/21/01	11/21/01	11/21/01	11/21/01
Volatiles											
1,1,1-Trichloroethane	ND(0.040) [ND(0.040)]	ND(0.045)	1.5	ND(0.044)	0.77	NS	NS	NS	NS	NS	NS
1,1,2,2-Tetrachloroethane	ND(0.079) [ND(0.080)]	ND(0.091)	ND(0.076)	ND(0.088)	ND(0.089)	NS	NS	NS	NS	NS	NS
1,1,2-Trichloroethane	ND(0.040) [ND(0.040)]	ND(0.045)	ND(0.038)	ND(0.044)	ND(0.045)	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	ND(0.040) J [ND(0.040)]	ND(0.045) J	0.039	ND(0.044)	0.098	NS	NS	NS	NS	NS	NS
1,1-Dichloroethene	ND(0.040) [ND(0.040)]	ND(0.045)	ND(0.038)	ND(0.044)	ND(0.045)	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	ND(0.17) [ND(0.17)]	ND(0.19) J	ND(0.16)	ND(0.19)	ND(0.19)	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.16)	ND(0.19)	ND(0.19)	NS	NS	NS	NS	NS	NS
1,2-Dibromoethane (EDB)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.16)	ND(0.19)	ND(0.19)	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	ND(0.079) [ND(0.080)]	ND(0.091)	ND(0.076)	ND(0.088)	ND(0.089)	NS	NS	NS	NS	NS	NS
1,2-Dichloroethane	ND(0.040) [ND(0.040) J]	ND(0.045)	ND(0.038)	ND(0.044)	ND(0.045)	NS	NS	NS	NS	NS	NS
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.040) [ND(0.040)]	ND(0.045)	ND(0.038)	ND(0.044)	ND(0.045)	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.079) [ND(0.080)]	ND(0.091)	ND(0.076)	ND(0.088)	ND(0.089)	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	ND(0.079) [ND(0.080)]	ND(0.091)	ND(0.076)	ND(0.088)	ND(0.089)	NS	NS	NS	NS	NS	NS
2-Butanone	ND(0.28) [ND(0.29)]	ND(0.32)	ND(0.27)	ND(0.31) J	ND(0.32)	NS	NS	NS	NS	NS	NS
2-Hexanone	ND(0.28) [ND(0.29)]	ND(0.32)	ND(0.27)	ND(0.31)	ND(0.32)	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	ND(0.28) [ND(0.29)]	ND(0.32)	ND(0.27)	ND(0.31)	ND(0.32)	NS	NS	NS	NS	NS	NS
Acetone	ND(0.28) [ND(0.29)]	ND(0.32)	ND(0.27) J	ND(0.31) J	ND(0.32) J	NS	NS	NS	NS	NS	NS
Benzene	0.0074 J [ND(0.040)]	ND(0.045)	0.08	ND(0.044)	ND(0.045)	NS	NS	NS	NS	NS	NS
Benzene, isopropyl	ND(0.17) [0.020 J]	ND(0.19)	ND(0.16)	ND(0.19)	ND(0.19)	NS	NS	NS	NS	NS	NS
Bromodichloromethane	ND(0.079) [ND(0.080)]	ND(0.091)	ND(0.076)	ND(0.088)	ND(0.089)	NS	NS	NS	NS	NS	NS
Bromoform	ND(0.079) [ND(0.080)]	ND(0.091)	ND(0.076)	ND(0.088)	ND(0.089)	NS	NS	NS	NS	NS	NS
Bromomethane	ND(0.17) J [ND(0.17) J]	ND(0.19) J	ND(0.16)	ND(0.19)	ND(0.19)	NS	NS	NS	NS	NS	NS
Carbon disulfide	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.16)	ND(0.19)	ND(0.19)	NS	NS	NS	NS	NS	NS
Carbon tetrachloride	ND(0.040) [ND(0.040)]	ND(0.045)	ND(0.038)	ND(0.044)	ND(0.045)	NS	NS	NS	NS	NS	NS
Chlorobenzene	ND(0.040) [ND(0.040)]	ND(0.045)	ND(0.038)	ND(0.044)	ND(0.045)	NS	NS	NS	NS	NS	NS
Chloroethane	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.16)	0.18 J	ND(0.19)	NS	NS	NS	NS	NS	NS
Chloroform	ND(0.040) [ND(0.040)]	ND(0.045)	ND(0.038)	ND(0.044)	ND(0.045)	NS	NS	NS	NS	NS	NS
Chloromethane	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.16)	ND(0.19)	ND(0.19)	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	ND(0.040) J [ND(0.040) J]	ND(0.045) J	ND(0.038)	ND(0.044)	0.097	NS	NS	NS	NS	NS	NS
cis-1,3-Dichloropropene	ND(0.040) [ND(0.040)]	ND(0.045)	ND(0.038)	ND(0.044)	ND(0.045)	NS	NS	NS	NS	NS	NS
Cyclohexane	ND(0.17) J [0.017 J]	ND(0.19) J	ND(0.16) J	ND(0.19)	ND(0.19) J	NS	NS	NS	NS	NS	NS
Dibromochloromethane	ND(0.079) [ND(0.080)]	ND(0.091)	ND(0.076)	ND(0.088)	ND(0.089)	NS	NS	NS	NS	NS	NS
Dichlorodifluoromethane (CFC-12)	ND(0.079) [ND(0.080)]	ND(0.091)	ND(0.076)	ND(0.088)	ND(0.089)	NS	NS	NS	NS	NS	NS
Ethylbenzene	0.011 J [0.014 J]	ND(0.045)	0.035 J	ND(0.044)	ND(0.045)	NS	NS	NS	NS	NS	NS
m&p-Xylene	0.020 J [0.036 J]	ND(0.091)	0.16	ND(0.088)	ND(0.089)	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-86-07	RFI-86-07	RFI-86-08	RFI-86-08	RFI-86-08	RFI-86-10	RFI-86-11	RFI-86-11	RFI-86-12	RFI-86-12	RFI-86-13
Sample Depth(feet):	0.7-2.7	87-10.7	0.6-2.6	10.6-12.6	8.6-10.6	6.5-8.5	0.7-2.7	2.7-4.7	0.8-2.8	2.8-4.8	0.8-2.8
Date Collected:	05/23/01	05/23/01	07/20/01	07/20/01	07/20/01	11/21/01	11/21/01	11/21/01	11/21/01	11/21/01	11/21/01
Methyl acetate	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.16)	ND(0.19) J	ND(0.19)	NS	NS	NS	NS	NS	NS
Methyl Tert Butyl Ether	ND(0.28) [ND(0.29)]	ND(0.32)	ND(0.27)	ND(0.31)	ND(0.32)	NS	NS	NS	NS	NS	NS
Methylcyclohexane	0.024 J [0.10 J]	ND(0.19)	0.36	ND(0.19)	0.050 J	NS	NS	NS	NS	NS	NS
Methylene chloride	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.16)	ND(0.19)	ND(0.19)	NS	NS	NS	NS	NS	NS
o-Xylene	0.014 J [0.031 J]	ND(0.045)	0.13	ND(0.044)	ND(0.045)	NS	NS	NS	NS	NS	NS
Styrene	ND(0.040) [ND(0.040)]	ND(0.045)	ND(0.038)	ND(0.044)	ND(0.045)	NS	NS	NS	NS	NS	NS
Tetrachloroethene	ND(0.040) J [ND(0.040) J]	ND(0.045) J	0.11 J	ND(0.044)	ND(0.045)	NS	NS	NS	NS	NS	NS
Toluene	ND(0.040) [ND(0.040)]	ND(0.045)	0.11	ND(0.044)	ND(0.045)	NS	NS	NS	NS	NS	NS
trans-1,2-Dichloroethene	ND(0.040) [ND(0.040)]	ND(0.045)	ND(0.038)	ND(0.044)	ND(0.045)	NS	NS	NS	NS	NS	NS
trans-1,3-Dichloropropene	ND(0.040) [ND(0.040)]	ND(0.045)	ND(0.038)	ND(0.044)	ND(0.045)	NS	NS	NS	NS	NS	NS
Trichloroethene	ND(0.040) [ND(0.040)]	ND(0.045)	5.5 D	ND(0.044)	3.3	NS	NS	NS	NS	NS	NS
Trichlorofluoromethane (CFC-11)	ND(0.079) [0.0063 J]	0.0078 J	ND(0.076)	ND(0.088)	ND(0.089)	NS	NS	NS	NS	NS	NS
Trifluorotrichloroethane (Freon 113)	ND(0.17) [ND(0.17)]	ND(0.19)	ND(0.16)	ND(0.19)	ND(0.19)	NS	NS	NS	NS	NS	NS
Vinyl chloride	ND(0.040) [ND(0.040)]	ND(0.045)	ND(0.038)	ND(0.044)	ND(0.045)	NS	NS	NS	NS	NS	NS
Xylenes (total)	0.034 [0.067]	ND(0.091)	0.29	ND(0.088)	ND(0.089)	NS	NS	NS	NS	NS	NS
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
2,4-Dichlorophenol	ND(0.19) [ND(0.19)]	ND(0.22) J	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
2,4-Dinitrophenol	ND(0.75) J [ND(0.76)]	ND(0.85)	ND(0.74) J	ND(0.83)	ND(0.85)	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	ND(0.75) [ND(0.76)]	ND(0.85)	ND(0.74)	ND(0.83)	ND(0.85)	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
2-Chloronaphthalene	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
2-Chlorophenol	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22) J	NS	NS	NS	NS	NS	NS
2-Methyl naphthalene	ND(0.19) [ND(0.19)]	ND(0.22)	0.13 J	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
2-Methylphenol	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22) J	NS	NS	NS	NS	NS	NS
2-Nitroaniline	ND(0.75) [ND(0.76)]	ND(0.85)	ND(0.74)	ND(0.83)	ND(0.85)	NS	NS	NS	NS	NS	NS
2-Nitrophenol	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
3&4-Methylphenol	ND(0.38) [ND(0.38)]	ND(0.43)	ND(0.37) J	ND(0.42) J	ND(0.43) J	NS	NS	NS	NS	NS	NS
3,3-Dichlorobenzidine	ND(0.75) [ND(0.76)]	ND(0.85)	ND(0.74)	ND(0.83)	ND(0.85)	NS	NS	NS	NS	NS	NS
3-Nitroaniline	ND(0.75) [ND(0.76)]	ND(0.85)	ND(0.74)	ND(0.83)	ND(0.85)	NS	NS	NS	NS	NS	NS
4,6-Dinitro-2-methylphenol	ND(0.75) [ND(0.76)]	ND(0.85)	ND(0.74)	ND(0.83)	ND(0.85)	NS	NS	NS	NS	NS	NS
4-Bromophenyl phenyl ether	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-86-07	RFI-86-07	RFI-86-08	RFI-86-08	RFI-86-08	RFI-86-10	RFI-86-11	RFI-86-11	RFI-86-12	RFI-86-12	RFI-86-13
Sample Depth(feet):	0.7-2.7	87-10.7	0.6-2.6	10.6-12.6	8.6-10.6	6.5-8.5	0.7-2.7	2.7-4.7	0.8-2.8	2.8-4.8	0.8-2.8
Date Collected:	05/23/01	05/23/01	07/20/01	07/20/01	07/20/01	11/21/01	11/21/01	11/21/01	11/21/01	11/21/01	11/21/01
4-Chloroaniline	ND(0.75) [ND(0.76)]	ND(0.85)	ND(0.74)	ND(0.83)	ND(0.85)	NS	NS	NS	NS	NS	NS
4-Chlorophenyl phenyl ether	ND(0.75) [ND(0.76)]	ND(0.85)	ND(0.74) J	ND(0.83) J	ND(0.85) J	NS	NS	NS	NS	NS	NS
4-Nitroaniline	ND(0.75) [ND(0.76)]	ND(0.85)	ND(0.74)	ND(0.83)	ND(0.85)	NS	NS	NS	NS	NS	NS
4-Nitrophenol	ND(0.75) [ND(0.76)]	ND(0.85)	ND(0.74)	ND(0.83)	ND(0.85)	NS	NS	NS	NS	NS	NS
Acenaphthene	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Acenaphthylene	ND(0.19) [ND(0.19)]	ND(0.22)	0.12 J	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Acetophenone	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22) J	NS	NS	NS	NS	NS	NS
Anthracene	ND(0.19) [ND(0.19)]	ND(0.22)	0.17 J	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Atrazine	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Benzaldehyde	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19) J	ND(0.21) J	ND(0.22) J	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	0.082 J [0.052 J]	ND(0.22)	1.3	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	0.071 J [0.046 J]	ND(0.22)	1.7	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	0.062 J [ND(0.19)]	ND(0.22)	1.5	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	0.060 J [ND(0.19)]	ND(0.22)	1.1 J	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	0.049 J [ND(0.19)]	ND(0.22)	1.2	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Biphenyl	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	0.19 J	ND(0.22)	NS	NS	NS	NS	NS	NS
bis(2-Chloroethoxy)methane	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
bis(2-Chloroethyl)ether	ND(0.037) [ND(0.037) J]	ND(0.042)	ND(0.036)	ND(0.041)	ND(0.042) J	NS	NS	NS	NS	NS	NS
bis(2-Chloroisopropyl)ether	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22) J	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl)phthalate	0.071 J [ND(0.19)]	ND(0.22)	0.15 J	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Butyl benzylphthalate	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Caprolactam	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Carbazole	ND(0.19) [ND(0.19)]	ND(0.22)	0.068 J	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Chrysene	0.099 J [0.058 J]	ND(0.22)	1.3	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Di-n-butylphthalate	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Di-n-octyl phthalate	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Dibenzofuran	ND(0.19) [ND(0.19)]	ND(0.22)	0.067 J	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Diethyl phthalate	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Dimethyl phthalate	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Fluoranthene	0.24 [0.089 J]	ND(0.22)	1.8	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Fluorene	ND(0.19) [ND(0.19)]	ND(0.22)	0.042 J	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Hexachlorobutadiene	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Hexachlorocyclopentadiene	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Hexachloroethane	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22) J	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	0.052 J [ND(0.19)]	ND(0.22)	1	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Isophorone	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Methylphenols, Total	ND(0.38) [ND(0.38)]	ND(0.43)	ND(0.37)	ND(0.42)	ND(0.43)	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-86-07	RFI-86-07	RFI-86-08	RFI-86-08	RFI-86-08	RFI-86-10	RFI-86-11	RFI-86-11	RFI-86-12	RFI-86-12	RFI-86-13
Sample Depth(feet):	0.7-2.7	87-10.7	0.6-2.6	10.6-12.6	8.6-10.6	6.5-8.5	0.7-2.7	2.7-4.7	0.8-2.8	2.8-4.8	0.8-2.8
Date Collected:	05/23/01	05/23/01	07/20/01	07/20/01	07/20/01	11/21/01	11/21/01	11/21/01	11/21/01	11/21/01	11/21/01
N-Nitrosodi-n-propylamine	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22) J	NS	NS	NS	NS	NS	NS
N-Nitrosodiphenylamine	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Naphthalene	ND(0.19) [0.039 J]	ND(0.22)	0.093 J	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Nitrobenzene	ND(0.075) [ND(0.076)]	ND(0.085)	ND(0.074)	ND(0.083)	ND(0.085)	NS	NS	NS	NS	NS	NS
Pentachlorophenol	ND(0.75) [ND(0.76)]	ND(0.85)	ND(0.74)	ND(0.83)	ND(0.85)	NS	NS	NS	NS	NS	NS
Phenanthrene	0.17 J [0.11 J]	ND(0.22)	0.79	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Phenol	ND(0.19) [ND(0.19)]	ND(0.22)	ND(0.19)	ND(0.21)	ND(0.22) J	NS	NS	NS	NS	NS	NS
Pyrene	0.19 J [0.17 J]	ND(0.22)	1.7	ND(0.21)	ND(0.22)	NS	NS	NS	NS	NS	NS
Inorganics											
Antimony	0.21 J [ND(0.44)]	0.17 J	0.074 J	ND(0.23) J	ND(0.29) J	NS	NS	NS	NS	NS	NS
Arsenic	110 J(RDC,IDC) [110 J(RDC,IDC)]	9.1 J(RDC)	8.4(RDC)	9.5(RDC)	12(RDC)	NS	35(RDC)	8.5(RDC)	56(RDC)	4.7	11(RDC)
Barium	16 J [14 J]	79 J	47 J	66 J	68 J	NS	NS	NS	NS	NS	NS
Beryllium	0.15 J [ND(0.20)]	0.76 J	0.87	0.86	1.3	NS	NS	NS	NS	NS	NS
Cadmium	ND(0.045) [ND(0.040)]	0.15	0.59	0.15	0.43	NS	NS	NS	NS	NS	NS
Chromium	5.4 [5.5]	21	25 J	22 J	21 J	NS	NS	NS	NS	NS	NS
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	0.76 [0.77]	12	12	8.4	8.8	NS	NS	NS	NS	NS	NS
Copper	13 [15]	19	80 J	18 J	87 J	NS	NS	NS	NS	NS	NS
Cyanide (total)	ND(0.20) [ND(0.20)]	0.0064 J	0.052 J	0.013 J	0.087 J	NS	NS	NS	NS	NS	NS
Lead	7.3 J [7.5 J]	12 J	170 J	14 J	99 J	NS	NS	NS	NS	NS	NS
Manganese	18 J [18 J]	640 J	370 J	410 J	820 J	320	NS	NS	NS	NS	NS
Mercury	ND(0.077) [ND(0.079)]	0.023 J	0.38	ND(0.084)	0.034 J	NS	NS	NS	NS	NS	NS
Nickel	2.5 [2.5]	30	50	23	150	NS	NS	NS	NS	NS	NS
Selenium	4.8 [4.8]	ND(2.1)	0.65	0.66	ND(0.47)	NS	NS	NS	NS	NS	NS
Silver	0.17 J [0.062 J]	0.24	0.079 J	0.059 J	0.11 J	NS	NS	NS	NS	NS	NS
Thallium	0.13 J [0.097 J]	0.30 J	0.11 J	0.20 J	0.31	NS	NS	NS	NS	NS	NS
Vanadium	15 [16]	30	18	38	23	NS	NS	NS	NS	NS	NS
Zinc	18 [20]	56	87 J	55 J	110 J	NS	NS	NS	NS	NS	NS
PCBs											
Aroclor-1016	ND(0.19) [ND(0.039)]	ND(0.045)	ND(0.039)	ND(0.043)	ND(0.045)	NS	NS	NS	NS	NS	NS
Aroclor-1221	ND(0.19) [ND(0.039)]	ND(0.045)	ND(0.039)	ND(0.043)	ND(0.045)	NS	NS	NS	NS	NS	NS
Aroclor-1232	ND(0.19) [ND(0.039)]	ND(0.045)	ND(0.039)	ND(0.043)	ND(0.045)	NS	NS	NS	NS	NS	NS
Aroclor-1242	ND(0.19) [ND(0.039)]	ND(0.045)	ND(0.039)	ND(0.043)	ND(0.045)	NS	NS	NS	NS	NS	NS
Aroclor-1248	3.5 [1.6]	ND(0.045)	ND(0.039)	ND(0.043)	ND(0.045)	NS	NS	NS	NS	NS	NS
Aroclor-1254	ND(0.19) [ND(0.039)]	ND(0.045)	ND(0.039)	ND(0.043)	ND(0.045)	NS	NS	NS	NS	NS	NS
Aroclor-1260	ND(0.19) [ND(0.039)]	ND(0.045)	ND(0.039)	ND(0.043)	ND(0.045)	NS	NS	NS	NS	NS	NS
Total PCBs	3.5 [1.6]	ND(0.045)	ND(0.039)	ND(0.043)	ND(0.045)	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-86-13	RFI-86-14	RFI-86-14	RFI-86-15	RFI-94-01	RFI-94-01	RFI-94-02	RFI-94-02	RFI-94-02	RFI-94-03	RFI-94-03	RFI-94-04
Sample Depth(feet):	2.8-4.8	0.5-2.5	4.5-6.5	0.3-2.3	0.5-2	2-4	0-2	12-14	8-10	0.8-2	2-4	0.4-2
Date Collected:	11/21/01	01/09/02	01/09/02	01/14/02	05/16/01	05/16/01	08/30/01	08/30/01	08/30/01	05/08/01	05/08/01	05/08/01
Volatiles												
1,1,1-Trichloroethane	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.041) [ND(0.038)]
1,1,2,2-Tetrachloroethane	NS	ND(0.074)	ND(0.082)	ND(0.077)	ND(0.075)	ND(0.081)	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.081)	ND(0.081)	ND(0.083) [ND(0.077)]
1,1,2-Trichloroethane	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.041) [ND(0.038)]
1,1-Dichloroethane	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.041) [ND(0.038)]
1,1-Dichloroethene	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.041) [ND(0.038)]
1,2,4-Trichlorobenzene	NS	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17) J	ND(0.18) J	ND(0.17) J	ND(0.17)	ND(0.17)	ND(0.18) [ND(0.16)]
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18) [ND(0.16)]
1,2-Dibromoethane (EDB)	NS	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18) [ND(0.16)]
1,2-Dichlorobenzene	NS	ND(0.074)	ND(0.082)	ND(0.077)	ND(0.075)	ND(0.081)	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.081)	ND(0.081)	ND(0.083) [ND(0.077)]
1,2-Dichloroethane	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.041) [ND(0.038)]
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.041) [ND(0.038)]
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	ND(0.074)	ND(0.082)	ND(0.077)	ND(0.075)	ND(0.081)	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.081)	ND(0.081)	ND(0.083) [ND(0.077)]
1,4-Dichlorobenzene	NS	ND(0.074)	ND(0.082)	ND(0.077)	ND(0.075)	ND(0.081)	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.081)	ND(0.081)	ND(0.083) [ND(0.077)]
2-Butanone	NS	0.049 J	0.048 J	0.051 J	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.29)	ND(0.28)	ND(0.29)	ND(0.29)	ND(0.30) [ND(0.27)]
2-Hexanone	NS	ND(0.26)	ND(0.29)	ND(0.28)	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.29)	ND(0.28)	ND(0.29)	ND(0.29)	ND(0.30) [ND(0.27)]
4-Methyl-2-pentanone	NS	ND(0.26)	ND(0.29)	ND(0.28)	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.29)	ND(0.28)	ND(0.29)	ND(0.29)	ND(0.30) [ND(0.27)]
Acetone	NS	ND(0.26)	ND(0.29)	ND(0.28)	ND(0.27)	ND(0.29)	ND(0.28) J	ND(0.29) J	ND(0.28) J	ND(0.29)	ND(0.29)	ND(0.30) [ND(0.27)]
Benzene	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.041) [ND(0.038)]
Benzene, isopropyl	NS	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18) [ND(0.16)]
Bromodichloromethane	NS	ND(0.074)	ND(0.082)	ND(0.077)	ND(0.075)	ND(0.081)	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.081)	ND(0.081)	ND(0.083) [ND(0.077)]
Bromoform	NS	ND(0.074)	ND(0.082)	ND(0.077)	ND(0.075)	ND(0.081)	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.081)	ND(0.081)	ND(0.083) [ND(0.077)]
Bromomethane	NS	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16) J	ND(0.17) J	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18) [ND(0.16)]
Carbon disulfide	NS	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18) [ND(0.16)]
Carbon tetrachloride	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.041) [ND(0.038)]
Chlorobenzene	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.041) [ND(0.038)]
Chloroethane	NS	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18) [ND(0.16)]
Chloroform	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.041) [ND(0.038)]
Chloromethane	NS	ND(0.16)	ND(0.18)	0.099 J	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18) [ND(0.16)]
cis-1,2-Dichloroethene	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037) J	ND(0.040) J	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.041) [ND(0.038)]
cis-1,3-Dichloropropene	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.041) [ND(0.038)]
Cyclohexane	NS	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16) J	ND(0.17) J	ND(0.17) J	ND(0.18) J	ND(0.17) J	ND(0.17) J	ND(0.17) J	0.021 J [ND(0.16)]
Dibromochloromethane	NS	ND(0.074)	ND(0.082)	ND(0.077)	ND(0.075)	ND(0.081)	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.081)	ND(0.081)	ND(0.083) [ND(0.077)]
Dichlorodifluoromethane (CFC-12)	NS	ND(0.074)	ND(0.082)	ND(0.077)	ND(0.075)	ND(0.081)	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.081)	ND(0.081)	ND(0.083) [ND(0.077)]
Ethylbenzene	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.040)	0.021 J [ND(0.038)]
m&p-Xylene	NS	ND(0.074)	ND(0.082)	ND(0.077)	ND(0.075)	ND(0.081)	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.081)	ND(0.081)	0.075 J [0.10]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-86-13	RFI-86-14	RFI-86-14	RFI-86-15	RFI-94-01	RFI-94-01	RFI-94-02	RFI-94-02	RFI-94-02	RFI-94-03	RFI-94-03	RFI-94-04
Sample Depth(feet):	2.8-4.8	0.5-2.5	4.5-6.5	0.3-2.3	0.5-2	2-4	0-2	12-14	8-10	0.8-2	2-4	0.4-2
Date Collected:	11/21/01	01/09/02	01/09/02	01/14/02	05/16/01	05/16/01	08/30/01	08/30/01	08/30/01	05/08/01	05/08/01	05/08/01
Methyl acetate	NS	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	0.045 J	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18) [ND(0.16)]
Methyl Tert Butyl Ether	NS	ND(0.26)	ND(0.29)	ND(0.28)	ND(0.27)	ND(0.29)	ND(0.28)	ND(0.29)	ND(0.28)	ND(0.29)	ND(0.29)	ND(0.30) [ND(0.27)]
Methylcyclohexane	NS	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	0.078 J [0.11 J]
Methylene chloride	NS	0.056 J	0.059 J	0.031 J	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17)	0.039 J	0.038 J	0.052 J [ND(0.16)]
o-Xylene	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.040)	0.030 J [0.046]
Styrene	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.041) [ND(0.038)]
Tetrachloroethene	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.041) [ND(0.038)]
Toluene	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.041) [ND(0.038)]
trans-1,2-Dichloroethene	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.041) [ND(0.038)]
trans-1,3-Dichloropropene	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.041) [ND(0.038)]
Trichloroethene	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.041) [ND(0.038)]
Trichlorofluoromethane (CFC-11)	NS	ND(0.074)	ND(0.082)	ND(0.077)	ND(0.075)	ND(0.081)	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.081)	ND(0.081)	ND(0.083) [ND(0.077)]
Trifluorotrichloroethane (Freon 113)	NS	ND(0.16)	ND(0.18)	ND(0.17)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.18) [ND(0.16)]
Vinyl chloride	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.039)	ND(0.040)	ND(0.040)	ND(0.041) [ND(0.038)]
Xylenes (total)	NS	ND(0.074)	ND(0.082)	ND(0.077)	ND(0.075)	ND(0.081)	ND(0.080)	ND(0.082)	ND(0.078)	ND(0.081)	ND(0.081)	0.11 [0.15]
Semivolatiles												
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
2,4,6-Trichlorophenol	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
2,4-Dichlorophenol	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
2,4-Dimethylphenol	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
2,4-Dinitrophenol	NS	ND(0.71)	ND(0.79)	ND(0.74)	ND(0.71) J	ND(0.76) J	ND(0.77)	ND(0.77) J	ND(0.76) J	ND(0.78) J	ND(0.78)	ND(0.79) [ND(0.74)]
2,4-Dinitrotoluene	NS	ND(0.71)	ND(0.79)	ND(0.74)	ND(0.71)	ND(0.76)	ND(0.77)	ND(0.77)	ND(0.76)	ND(0.78)	ND(0.78)	ND(0.79) [ND(0.74)]
2,6-Dinitrotoluene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
2-Chloronaphthalene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
2-Chlorophenol	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
2-Methyl naphthalene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	0.16 J	0.38 J [0.35 J]
2-Methylphenol	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
2-Nitroaniline	NS	ND(0.71)	ND(0.79)	ND(0.74)	ND(0.71)	ND(0.76)	ND(0.77)	ND(0.77)	ND(0.76)	ND(0.78)	ND(0.78)	ND(0.79) [ND(0.74)]
2-Nitrophenol	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
3&4-Methylphenol	NS	ND(0.36)	ND(0.40)	ND(0.37)	ND(0.36)	ND(0.38)	ND(0.39) J	ND(0.39) J	ND(0.39) J	ND(0.39)	ND(0.39)	ND(0.40) [ND(0.37)]
3,3-Dichlorobenzidine	NS	ND(0.71)	ND(0.79)	ND(0.74)	ND(0.71)	ND(0.76)	ND(0.77)	ND(0.77)	ND(0.76)	ND(0.78)	ND(0.78)	ND(0.79) [ND(0.74)]
3-Nitroaniline	NS	ND(0.71)	ND(0.79)	ND(0.74)	ND(0.71)	ND(0.76)	ND(0.77)	ND(0.77)	ND(0.76)	ND(0.78) J	ND(0.78)	ND(0.79) [ND(0.74)]
4,6-Dinitro-2-methylphenol	NS	ND(0.71)	ND(0.79)	ND(0.74)	ND(0.71)	ND(0.76)	ND(0.77)	ND(0.77)	ND(0.76)	ND(0.78)	ND(0.78)	ND(0.79) [ND(0.74)]
4-Bromophenyl phenyl ether	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
4-Chloro-3-methylphenol	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-86-13	RFI-86-14	RFI-86-14	RFI-86-15	RFI-94-01	RFI-94-01	RFI-94-02	RFI-94-02	RFI-94-02	RFI-94-03	RFI-94-03	RFI-94-04
Sample Depth(feet):	2.8-4.8	0.5-2.5	4.5-6.5	0.3-2.3	0.5-2	2-4	0-2	12-14	8-10	0.8-2	2-4	0.4-2
Date Collected:	11/21/01	01/09/02	01/09/02	01/14/02	05/16/01	05/16/01	08/30/01	08/30/01	08/30/01	05/08/01	05/08/01	05/08/01
4-Chloroaniline	NS	ND(0.71)	ND(0.79)	ND(0.74)	ND(0.71)	ND(0.76)	ND(0.77)	ND(0.77)	ND(0.76)	ND(0.78) J	ND(0.78)	ND(0.79) [ND(0.74)]
4-Chlorophenyl phenyl ether	NS	ND(0.71)	ND(0.79)	ND(0.74)	ND(0.71)	ND(0.76)	ND(0.77) J	ND(0.77) J	ND(0.76) J	ND(0.78)	ND(0.78)	ND(0.79) [ND(0.74)]
4-Nitroaniline	NS	ND(0.71)	ND(0.79)	ND(0.74)	ND(0.71)	ND(0.76)	ND(0.77)	ND(0.77)	ND(0.76)	ND(0.78)	ND(0.78)	ND(0.79) [ND(0.74)]
4-Nitrophenol	NS	ND(0.71)	ND(0.79)	ND(0.74)	ND(0.71)	ND(0.76)	ND(0.77)	ND(0.77)	ND(0.76)	ND(0.78)	ND(0.78)	ND(0.79) [ND(0.74)]
Acenaphthene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	0.024 J	ND(0.20) [ND(0.19)]
Acenaphthylene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
Acetophenone	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
Anthracene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	0.053 J	ND(0.20)	ND(0.19)	0.048 J	0.075 J	0.038 J [0.047 J]
Atrazine	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
Benzaldehyde	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20) J	ND(0.20)	0.097 J [ND(0.19)]
Benzo(a)anthracene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	0.21	ND(0.20)	ND(0.19)	0.093 J	0.25 J	0.12 J [0.17 J]
Benzo(a)pyrene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	0.23 J	ND(0.20)	ND(0.19)	0.068 J	0.18 J	ND(0.20) [0.095 J]
Benzo(b)fluoranthene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	0.23 J	ND(0.20)	ND(0.19)	0.095 J	0.26 J	ND(0.20) J [0.16 J]
Benzo(g,h,i)perylene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18) J	ND(0.19) J	0.11 J	ND(0.20)	ND(0.19)	0.053 J	ND(0.20)	ND(0.20) [ND(0.19)]
Benzo(k)fluoranthene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	0.25 J	ND(0.20)	ND(0.19)	0.075 J	0.19 J	ND(0.20) J [0.098 J]
Biphenyl	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
bis(2-Chloroethoxy)methane	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
bis(2-Chloroethyl)ether	NS	ND(0.035)	ND(0.039)	ND(0.036)	ND(0.035)	ND(0.037)	ND(0.038)	ND(0.038)	ND(0.037)	ND(0.038)	ND(0.038)	ND(0.039) [ND(0.036)]
bis(2-Chloroisopropyl)ether	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20) J	ND(0.20)	ND(0.20) [ND(0.19)]
bis(2-Ethylhexyl)phthalate	NS	ND(0.18)	ND(0.20)	ND(0.19)	0.10 J	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	0.086 J	ND(0.20)	ND(0.20) [ND(0.19)]
Butyl benzylphthalate	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	0.054 J	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
Caprolactam	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
Carbazole	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20) J	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
Chrysene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	0.24	ND(0.20)	ND(0.19)	0.13 J	0.27 J	0.22 J [0.23 J]
Di-n-butylphthalate	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	0.069 J	0.15 J [0.14 J]
Di-n-octyl phthalate	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20) J	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
Dibenzo(a,h)anthracene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20) J	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
Dibenzofuran	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	0.076 J	0.12 J [0.13 J]
Diethyl phthalate	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	0.060 J	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
Dimethyl phthalate	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
Fluoranthene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	0.47	ND(0.20)	ND(0.19)	0.22	0.42 J	0.22 J [0.26 J]
Fluorene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	0.060 J	0.065 J	ND(0.20) [ND(0.19)]
Hexachlorobenzene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
Hexachlorobutadiene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
Hexachlorocyclopentadiene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
Hexachloroethane	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
Indeno(1,2,3-cd)pyrene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	0.11 J	ND(0.20)	ND(0.19)	0.035 J	ND(0.20)	ND(0.20) [ND(0.19)]
Isophorone	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
Methylphenols, Total	NS	ND(0.36)	ND(0.40)	ND(0.37)	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.40) [ND(0.37)]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-86-13	RFI-86-14	RFI-86-14	RFI-86-15	RFI-94-01	RFI-94-01	RFI-94-02	RFI-94-02	RFI-94-02	RFI-94-03	RFI-94-03	RFI-94-04
Sample Depth(feet):	2.8-4.8	0.5-2.5	4.5-6.5	0.3-2.3	0.5-2	2-4	0-2	12-14	8-10	0.8-2	2-4	0.4-2
Date Collected:	11/21/01	01/09/02	01/09/02	01/14/02	05/16/01	05/16/01	08/30/01	08/30/01	08/30/01	05/08/01	05/08/01	05/08/01
N-Nitrosodi-n-propylamine	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
N-Nitrosodiphenylamine	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
Naphthalene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	0.055 J	0.11 J	0.19 J [0.17 J]
Nitrobenzene	NS	ND(0.071)	ND(0.079)	ND(0.074)	ND(0.071)	ND(0.076)	ND(0.077)	ND(0.077)	ND(0.076)	ND(0.078)	ND(0.078)	ND(0.079) [ND(0.074)]
Pentachlorophenol	NS	ND(0.71)	ND(0.79)	ND(0.74)	ND(0.71)	ND(0.76)	ND(0.77)	ND(0.77)	ND(0.76)	ND(0.78)	ND(0.78)	ND(0.79) [ND(0.74)]
Phenanthrene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	0.26	ND(0.20)	ND(0.19)	0.31	0.36 J	0.46 J [0.50 J]
Phenol	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.19)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.19)]
Pyrene	NS	ND(0.18)	ND(0.20)	ND(0.19)	ND(0.18)	ND(0.19)	0.49	ND(0.20)	ND(0.19)	0.21	0.57 J	0.36 J [0.39 J]
Inorganics												
Antimony	NS	0.079 J	0.12 J,D	0.012 J	0.41 R	0.34 R	ND(0.24)	0.14 J	ND(0.24)	0.45 R	0.47 R	0.46 R [0.16 J]
Arsenic	6.2	2.4	6.7 D	3.3	2.9	2.5	8.2 J(RDC)	5.1 J	4.2 J	3.3	2	8.1(RDC) [6.1]
Barium	NS	12	83 D	20	11 J	9.7 J	110	32	66	33 J	49 J	71 J [49 J]
Beryllium	NS	0.22	1.2 D	0.25	0.11 J	0.11 J	0.47 J	0.30 J	0.50 J	0.25	0.35	0.91 [0.51]
Cadmium	NS	0.09	0.19 D	0.13	0.057	0.052	0.7	0.099 J	0.11	0.21	0.25	0.96 J [0.28 J]
Chromium	NS	5.3	24 D	6.3	5.4	4.5	17 J	13	20 J	44	38	39 [63]
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	2	12 D	2.8	2.0 J	1.7 J	5.0 J	6.1 J	8.0 J	2.9	2	6.8 [4.4]
Copper	NS	4	17 D	5.6	4.0 J	3.7 J	22 J	12 J	13 J	35	18	92 [81]
Cyanide (total)	NS	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.099 J	ND(0.40)	ND(0.20)	0.022 J	ND(0.20)	0.028 J [0.092 J]
Lead	NS	4	10 D	9.6	4.2 J	3.1 J	110 J	7.1 J	8.7 J	140	150	120 [110]
Manganese	NS	100	480 D	130	110	95	420 J	360 J	300 J	390	720	560 [460]
Mercury	NS	ND(0.073)	0.029 J	0.027 J	ND(0.071)	ND(0.072)	0.11	ND(0.081)	0.019 J	0.045 J	0.045 J	0.1 [0.12]
Nickel	NS	6	27 D	6.2	5.5	4.9 J	12 J	17 J	23 J	26	18	38 [40]
Selenium	NS	0.34 J	ND(0.38) ,D	0.15	ND(1.7) J	ND(1.4) J	ND(0.56)	ND(0.27)	ND(0.22)	ND(1.8)	ND(1.9)	0.86 J [ND(1.4)]
Silver	NS	0.080 J	0.62 J,D	0.038 J	ND(0.19) J	ND(0.15)	0.20 J	0.13 J	0.087 J	0.18 J	0.11 J	0.15 J [0.066 J]
Thallium	NS	0.26	0.21 J,D	0.069 J	ND(0.26)	ND(0.22)	0.13 J	0.12 J	0.16 J	0.73 J	0.47 J	0.31 J [0.078 J]
Vanadium	NS	8	38 D	10	8.3	7.7	21 J	18 J	26 J	11 J	9.0 J	22 J [14 J]
Zinc	NS	16	49 D	26	17 J	16 J	160 J	33 J	43 J	35 J	33 J	94 J [50 J]
PCBs												
Aroclor-1016	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.041) [ND(0.039)]
Aroclor-1221	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.041) [ND(0.039)]
Aroclor-1232	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.041) [ND(0.039)]
Aroclor-1242	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.041) [ND(0.039)]
Aroclor-1248	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.041) [ND(0.039)]
Aroclor-1254	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.041) [ND(0.039)]
Aroclor-1260	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.041) [ND(0.039)]
Total PCBs	NS	ND(0.037)	ND(0.041)	ND(0.039)	ND(0.037)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.041)	ND(0.041)	ND(0.041) [ND(0.039)]

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-94-04	RFI-94-05	RFI-94-05	RFI-94-05	RFI-94-06	RFI-94-06	WL-B1A	WL-B1A	WL-B1A	WL-B1A	WL-B1A	WL-B1A
Sample Depth(feet):	8-10	0.5-2	18-20	8-10	0.7-2	8-10	0.5-2	0-0.5	10-12	12-14	14-16	2-4
Date Collected:	05/08/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01
Volatiles												
1,1,1-Trichloroethane	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	NS	NS	NS	NS	NS	NS
1,1,2,2-Tetrachloroethane	ND(0.077)	ND(0.075)	ND(0.079) [ND(0.075)]	ND(0.077)	ND(0.077)	ND(0.082) [ND(0.079)]	NS	NS	NS	NS	NS	NS
1,1,2-Trichloroethane	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	NS	NS	NS	NS	NS	NS
1,1-Dichloroethene	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.17)	ND(0.17)	ND(0.18) [ND(0.17)]	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.17)	ND(0.17)	ND(0.18) [ND(0.17)]	NS	NS	NS	NS	NS	NS
1,2-Dibromoethane (EDB)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.17)	ND(0.17)	ND(0.18) [ND(0.17)]	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	ND(0.077)	ND(0.075)	ND(0.079) [ND(0.075)]	ND(0.077)	ND(0.077)	ND(0.082) [ND(0.079)]	NS	NS	NS	NS	NS	NS
1,2-Dichloroethane	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	NS	NS	NS	NS	NS	NS
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(0.077)	ND(0.075)	ND(0.079) [ND(0.075)]	ND(0.077)	ND(0.077)	ND(0.082) [ND(0.079)]	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	ND(0.077)	ND(0.075)	ND(0.079) [ND(0.075)]	ND(0.077)	ND(0.077)	ND(0.082) [ND(0.079)]	NS	NS	NS	NS	NS	NS
2-Butanone	ND(0.28)	ND(0.27)	ND(0.28) [ND(0.27)]	ND(0.28)	ND(0.28)	ND(0.29) [ND(0.28)]	NS	NS	NS	NS	NS	NS
2-Hexanone	ND(0.28)	ND(0.27)	ND(0.28) [ND(0.27)]	ND(0.28)	ND(0.28)	ND(0.29) [ND(0.28)]	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	ND(0.28)	ND(0.27)	ND(0.28) [ND(0.27)]	ND(0.28)	ND(0.28)	ND(0.29) [ND(0.28)]	NS	NS	NS	NS	NS	NS
Acetone	ND(0.28)	ND(0.27)	ND(0.28) [ND(0.27)]	ND(0.28)	ND(0.28)	ND(0.29) [ND(0.28)]	NS	NS	NS	NS	NS	NS
Benzene	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	NS	NS	NS	NS	NS	NS
Benzene, isopropyl	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.17)	ND(0.17)	ND(0.18) [ND(0.17)]	NS	NS	NS	NS	NS	NS
Bromodichloromethane	ND(0.077)	ND(0.075)	ND(0.079) [ND(0.075)]	ND(0.077)	ND(0.077)	ND(0.082) [ND(0.079)]	NS	NS	NS	NS	NS	NS
Bromoform	ND(0.077)	ND(0.075)	ND(0.079) [ND(0.075)]	ND(0.077)	ND(0.077)	ND(0.082) [ND(0.079)]	NS	NS	NS	NS	NS	NS
Bromomethane	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.17)	ND(0.17)	ND(0.18) [ND(0.17)]	NS	NS	NS	NS	NS	NS
Carbon disulfide	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.17)	ND(0.17)	ND(0.18) [ND(0.17)]	NS	NS	NS	NS	NS	NS
Carbon tetrachloride	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	NS	NS	NS	NS	NS	NS
Chlorobenzene	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	NS	NS	NS	NS	NS	NS
Chloroethane	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.17)	ND(0.17)	ND(0.18) [ND(0.17)]	NS	NS	NS	NS	NS	NS
Chloroform	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	NS	NS	NS	NS	NS	NS
Chloromethane	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.17)	ND(0.17)	ND(0.18) [ND(0.17)]	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	NS	NS	NS	NS	NS	NS
cis-1,3-Dichloropropene	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	NS	NS	NS	NS	NS	NS
Cyclohexane	ND(0.17) J	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.17)	0.046 J	ND(0.18) [ND(0.17)]	NS	NS	NS	NS	NS	NS
Dibromochloromethane	ND(0.077)	ND(0.075)	ND(0.079) [ND(0.075)]	ND(0.077)	ND(0.077)	ND(0.082) [ND(0.079)]	NS	NS	NS	NS	NS	NS
Dichlorodifluoromethane (CFC-12)	ND(0.077)	ND(0.075)	ND(0.079) [ND(0.075)]	ND(0.077)	ND(0.077)	ND(0.082) [ND(0.079)]	NS	NS	NS	NS	NS	NS
Ethylbenzene	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	NS	NS	NS	NS	NS	NS
m&p-Xylene	ND(0.077)	ND(0.075)	ND(0.079) [ND(0.075)]	ND(0.077)	0.12	ND(0.082) [ND(0.079)]	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-94-04	RFI-94-05	RFI-94-05	RFI-94-05	RFI-94-06	RFI-94-06	WL-B1A	WL-B1A	WL-B1A	WL-B1A	WL-B1A	WL-B1A
Sample Depth(feet):	8-10	0.5-2	18-20	8-10	0.7-2	8-10	0.5-2	0-0.5	10-12	12-14	14-16	2-4
Date Collected:	05/08/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01
Methyl acetate	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.17)	ND(0.17)	ND(0.18) [ND(0.17)]	NS	NS	NS	NS	NS	NS
Methyl Tert Butyl Ether	ND(0.28)	ND(0.27)	ND(0.28) [ND(0.27)]	ND(0.28)	ND(0.28)	ND(0.29) [ND(0.28)]	NS	NS	NS	NS	NS	NS
Methylcyclohexane	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.17)	0.12 J	ND(0.18) [ND(0.17)]	NS	NS	NS	NS	NS	NS
Methylene chloride	0.032 J	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.17)	ND(0.17)	ND(0.18) [ND(0.17)]	NS	NS	NS	NS	NS	NS
o-Xylene	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.038)]	ND(0.039)	0.085	ND(0.041) [ND(0.039)]	NS	NS	NS	NS	NS	NS
Styrene	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	NS	NS	NS	NS	NS	NS
Tetrachloroethene	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	NS	NS	NS	NS	NS	NS
Toluene	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.038)]	ND(0.039)	0.12	ND(0.041) [ND(0.039)]	NS	NS	NS	NS	NS	NS
trans-1,2-Dichloroethene	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	NS	NS	NS	NS	NS	NS
trans-1,3-Dichloropropene	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	NS	NS	NS	NS	NS	NS
Trichloroethene	ND(0.039)	0.13	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	NS	NS	NS	NS	NS	NS
Trichlorofluoromethane (CFC-11)	ND(0.077)	ND(0.075)	ND(0.079) [ND(0.075)]	ND(0.077)	ND(0.077)	ND(0.082) [ND(0.079)]	NS	NS	NS	NS	NS	NS
Trifluorotrichloroethane (Freon 113)	ND(0.17)	ND(0.16)	ND(0.17) [ND(0.16)]	ND(0.17)	ND(0.17)	ND(0.18) [ND(0.17)]	NS	NS	NS	NS	NS	NS
Vinyl chloride	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.038)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	NS	NS	NS	NS	NS	NS
Xylenes (total)	ND(0.077)	ND(0.075)	ND(0.079) [ND(0.075)]	ND(0.077)	0.21	ND(0.082) [ND(0.079)]	NS	NS	NS	NS	NS	NS
Semivolatiles												
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
2,4-Dichlorophenol	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
2,4-Dinitrophenol	ND(0.74) J	ND(0.73) J	ND(0.74) [ND(0.72)]	ND(0.74)	ND(0.75) J	ND(0.78) [ND(0.75)]	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	ND(0.74)	ND(0.73)	ND(0.74) [ND(0.72)]	ND(0.74)	ND(0.75)	ND(0.78) [ND(0.75)]	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
2-Chloronaphthalene	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
2-Chlorophenol	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
2-Methyl naphthalene	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
2-Methylphenol	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
2-Nitroaniline	ND(0.74)	ND(0.73)	ND(0.74) [ND(0.72)]	ND(0.74)	ND(0.75)	ND(0.78) [ND(0.75)]	NS	NS	NS	NS	NS	NS
2-Nitrophenol	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
3&4-Methylphenol	ND(0.38)	ND(0.37)	ND(0.38) [ND(0.36)]	ND(0.37)	ND(0.38)	ND(0.40) [ND(0.38)]	NS	NS	NS	NS	NS	NS
3,3-Dichlorobenzidine	ND(0.74)	ND(0.73)	ND(0.74) [ND(0.72)]	ND(0.74)	ND(0.75)	ND(0.78) [ND(0.75)]	NS	NS	NS	NS	NS	NS
3-Nitroaniline	ND(0.74) J	ND(0.73)	ND(0.74) [ND(0.72)]	ND(0.74)	ND(0.75)	ND(0.78) [ND(0.75)]	NS	NS	NS	NS	NS	NS
4,6-Dinitro-2-methylphenol	ND(0.74)	ND(0.73)	ND(0.74) [ND(0.72)]	ND(0.74)	ND(0.75)	ND(0.78) [ND(0.75)]	NS	NS	NS	NS	NS	NS
4-Bromophenyl phenyl ether	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-94-04	RFI-94-05	RFI-94-05	RFI-94-05	RFI-94-06	RFI-94-06	WL-B1A	WL-B1A	WL-B1A	WL-B1A	WL-B1A	WL-B1A
Sample Depth(feet):	8-10	0.5-2	18-20	8-10	0.7-2	8-10	0.5-2	0-0.5	10-12	12-14	14-16	2-4
Date Collected:	05/08/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01
4-Chloroaniline	ND(0.74) J	ND(0.73)	ND(0.74) [ND(0.72)]	ND(0.74)	ND(0.75)	ND(0.78) [ND(0.75)]	NS	NS	NS	NS	NS	NS
4-Chlorophenyl phenyl ether	ND(0.74)	ND(0.73)	ND(0.74) [ND(0.72)]	ND(0.74)	ND(0.75)	ND(0.78) [ND(0.75)]	NS	NS	NS	NS	NS	NS
4-Nitroaniline	ND(0.74) J	ND(0.73)	ND(0.74) [ND(0.72)]	ND(0.74)	ND(0.75)	ND(0.78) [ND(0.75)]	NS	NS	NS	NS	NS	NS
4-Nitrophenol	ND(0.74)	ND(0.73)	ND(0.74) [ND(0.72)]	ND(0.74)	ND(0.75)	ND(0.78) [ND(0.75)]	NS	NS	NS	NS	NS	NS
Acenaphthene	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Acenaphthylene	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Acetophenone	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Anthracene	ND(0.19)	0.051 J	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Atrazine	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Benzaldehyde	ND(0.19) J	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	ND(0.19)	0.12 J	ND(0.19) [ND(0.18)]	ND(0.19)	0.090 J	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	ND(0.19)	0.089 J	ND(0.19) [ND(0.18)]	ND(0.19)	0.084 J	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	ND(0.19)	0.11 J	ND(0.19) [ND(0.18)]	ND(0.19)	0.12 J	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	ND(0.19)	ND(0.18) J	ND(0.19) [ND(0.18)]	ND(0.19)	0.043 J	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	ND(0.19)	0.097 J	ND(0.19) [ND(0.18)]	ND(0.19)	0.065 J	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Biphenyl	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
bis(2-Chloroethoxy)methane	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
bis(2-Chloroethyl)ether	ND(0.037)	ND(0.036)	ND(0.037) [ND(0.035)]	ND(0.036)	ND(0.037)	ND(0.038) [ND(0.037)]	NS	NS	NS	NS	NS	NS
bis(2-Chloroisopropyl)ether	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl)phthalate	ND(0.19) J	0.13 J	ND(0.19) [ND(0.18)]	ND(0.19)	0.058 J	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Butyl benzylphthalate	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Caprolactam	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Carbazole	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Chrysene	ND(0.19)	0.14 J	ND(0.19) [ND(0.18)]	ND(0.19)	0.11 J	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Di-n-butylphthalate	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	0.069 J	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Di-n-octyl phthalate	ND(0.19)	ND(0.18) J	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	0.053 J [ND(0.19)]	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	ND(0.19)	ND(0.18) J	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Dibenzofuran	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Diethyl phthalate	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19) J	0.55 J [ND(0.19)]	NS	NS	NS	NS	NS	NS
Dimethyl phthalate	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Fluoranthene	ND(0.19)	0.27	ND(0.19) [ND(0.18)]	ND(0.19)	0.16 J	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Fluorene	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Hexachlorobutadiene	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Hexachlorocyclopentadiene	ND(0.19) J	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Hexachloroethane	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	ND(0.19)	ND(0.18) J	ND(0.19) [ND(0.18)]	ND(0.19)	0.051 J	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Isophorone	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Methylphenols, Total	ND(0.38)	ND(0.37)	ND(0.38) [ND(0.36)]	ND(0.37)	ND(0.38)	ND(0.40) [ND(0.38)]	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	RFI-94-04	RFI-94-05	RFI-94-05	RFI-94-05	RFI-94-06	RFI-94-06	WL-B1A	WL-B1A	WL-B1A	WL-B1A	WL-B1A	WL-B1A
Sample Depth(feet):	8-10	0.5-2	18-20	8-10	0.7-2	8-10	0.5-2	0-0.5	10-12	12-14	14-16	2-4
Date Collected:	05/08/01	05/09/01	05/09/01	05/09/01	05/09/01	05/09/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01
N-Nitrosodi-n-propylamine	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
N-Nitrosodiphenylamine	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Naphthalene	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Nitrobenzene	ND(0.074)	ND(0.073)	ND(0.074) [ND(0.072)]	ND(0.074)	ND(0.075)	ND(0.078) [ND(0.075)]	NS	NS	NS	NS	NS	NS
Pentachlorophenol	ND(0.74)	ND(0.73)	ND(0.74) [ND(0.72)]	ND(0.74)	0.065 J	ND(0.78) [ND(0.75)]	NS	NS	NS	NS	NS	NS
Phenanthrene	ND(0.19)	0.23	ND(0.19) [ND(0.18)]	ND(0.19)	0.087 J	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Phenol	ND(0.19)	ND(0.18)	ND(0.19) [ND(0.18)]	ND(0.19)	ND(0.19)	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Pyrene	ND(0.19)	0.25	ND(0.19) [ND(0.18)]	ND(0.19)	0.18 J	ND(0.20) [ND(0.19)]	NS	NS	NS	NS	NS	NS
Inorganics												
Antimony	0.44 R	0.24 J	0.17 J [0.35 R]	0.17 J	0.18 J	0.42 R [0.48 R]	NS	NS	NS	NS	NS	NS
Arsenic	8.2(RDC)	7	8.1(RDC) [5.6]	5.5	10(RDC)	12(RDC) [8.3(RDC)]	NS	NS	NS	NS	NS	NS
Barium	57 J	82 J	99 J [35 J]	73 J	70 J	32 J [56 J]	NS	NS	NS	NS	NS	NS
Beryllium	0.39	0.45	0.51 J [0.20 J]	0.53	0.41	0.24 [0.32]	NS	NS	NS	NS	NS	NS
Cadmium	0.14	0.34 J	0.15 J [0.087 J]	0.11 J	0.40 J	0.10 J [0.18 J]	NS	NS	NS	NS	NS	NS
Chromium	14	15	28 J [11 J]	19	15	10 [15]	NS	NS	NS	NS	NS	NS
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	7.6	5.4	8.7 J [4.4 J]	9.0 J	6.0 J	4.6 J [5.4 J]	NS	NS	NS	NS	NS	NS
Copper	16	27 J	16 J [9.9 J]	20 J	34 J	11 J [11 J]	NS	NS	NS	NS	NS	NS
Cyanide (total)	0.040 J	ND(0.20)	ND(0.20) [0.061 J]	0.034 J	0.042 J	ND(0.20) [0.051 J]	NS	NS	NS	NS	NS	NS
Lead	8	160	9.6 J [5.3 J]	9.6	75	7.7 [7.5]	NS	NS	NS	NS	NS	NS
Manganese	310	310 J	410 J [270 J]	380 J	380 J	280 J [420 J]	NS	NS	NS	NS	NS	NS
Mercury	0.023 J	0.051 J	0.020 J [ND(0.069)]	ND(0.077)	0.11	ND(0.078) [ND(0.079)]	NS	NS	NS	NS	NS	NS
Nickel	18	17 J	22 J [12 J]	22 J	16 J	12 J [15 J]	NS	NS	NS	NS	NS	NS
Selenium	ND(1.8)	ND(1.5)	ND(1.8) [ND(1.6)]	ND(1.9)	0.68 J	ND(1.8) [ND(1.8)]	NS	NS	NS	NS	NS	NS
Silver	0.076 J	0.13 J	0.14 J [0.067 J]	0.33	0.15 J	0.085 J [0.17 J]	NS	NS	NS	NS	NS	NS
Thallium	0.15 J	0.12 J	0.19 J [0.10 J]	0.22 J	0.23 J	0.11 J [0.15 J]	NS	NS	NS	NS	NS	NS
Vanadium	19 J	20 J	34 J [17 J]	34 J	22 J	16 J [23 J]	NS	NS	NS	NS	NS	NS
Zinc	42 J	110 J	30 J [21 J]	33 J	100 J	29 J [31 J]	NS	NS	NS	NS	NS	NS
PCBs												
Aroclor-1016	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.040)
Aroclor-1221	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.040)
Aroclor-1232	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.040)
Aroclor-1242	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.040)
Aroclor-1248	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.040)
Aroclor-1254	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	ND(0.039)	0.057	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.040)
Aroclor-1260	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	ND(0.039)	ND(0.040)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.040)
Total PCBs	ND(0.039)	ND(0.038)	ND(0.039) [ND(0.037)]	ND(0.039)	ND(0.039)	ND(0.041) [ND(0.039)]	ND(0.039)	0.057	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.040)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	WL-B1A	WL-B1A	WL-B1A	WL-B2A	WL-B2A	WL-B2A	WL-B2A	WL-B2A	WL-B2A	WL-B3A	WL-B3A	WL-B3A
Sample Depth(feet):	4-6	6-8	8-10	0.5-2	0-0.5	2-4	4-6	6-8	8-10	0.5-2	0-0.5	4-6
Date Collected:	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01
Volatiles												
1,1,1-Trichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1,2-Trichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Hexanone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzene, isopropyl	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromoform	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromomethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon tetrachloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
cis-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyclohexane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dichlorodifluoromethane (CFC-12)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
m&p-Xylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	WL-B1A	WL-B1A	WL-B1A	WL-B2A	WL-B2A	WL-B2A	WL-B2A	WL-B2A	WL-B2A	WL-B3A	WL-B3A	WL-B3A
Sample Depth(feet):	4-6	6-8	8-10	0.5-2	0-0.5	2-4	4-6	6-8	8-10	0.5-2	0-0.5	4-6
Date Collected:	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01
Methyl acetate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methyl Tert Butyl Ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylcyclohexane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
o-Xylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
trans-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichlorofluoromethane (CFC-11)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trifluorotrichloroethane (Freon 113)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vinyl chloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Semivolatiles												
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dichlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Chloronaphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Chlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methyl naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Nitroaniline	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Nitrophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3&4-Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3,3-Dichlorobenzidine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3-Nitroaniline	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4,6-Dinitro-2-methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Bromophenyl phenyl ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	WL-B1A	WL-B1A	WL-B1A	WL-B2A	WL-B2A	WL-B2A	WL-B2A	WL-B2A	WL-B2A	WL-B3A	WL-B3A	WL-B3A
Sample Depth(feet):	4-6	6-8	8-10	0.5-2	0-0.5	2-4	4-6	6-8	8-10	0.5-2	0-0.5	4-6
Date Collected:	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01
4-Chloroaniline	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Chlorophenyl phenyl ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Nitroaniline	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Nitrophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Atrazine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Biphenyl	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Chloroethoxy)methane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Chloroethyl)ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Chloroisopropyl)ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Butyl benzylphthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Caprolactam	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butylphthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-octyl phthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Diethyl phthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dimethyl phthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobutadiene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorocyclopentadiene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isophorone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylphenols, Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	WL-B1A	WL-B1A	WL-B1A	WL-B2A	WL-B2A	WL-B2A	WL-B2A	WL-B2A	WL-B2A	WL-B3A	WL-B3A	WL-B3A
Sample Depth(feet):	4-6	6-8	8-10	0.5-2	0-0.5	2-4	4-6	6-8	8-10	0.5-2	0-0.5	4-6
Date Collected:	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01
N-Nitrosodi-n-propylamine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
N-Nitrosodiphenylamine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nitrobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pentachlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Inorganics												
Antimony	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thallium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs												
Aroclor-1016	ND(0.039)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.038) [ND(0.038)]	ND(0.041)	ND(0.041)	ND(0.039)
Aroclor-1221	ND(0.039)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.038) [ND(0.038)]	ND(0.041)	ND(0.041)	ND(0.039)
Aroclor-1232	ND(0.039)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.038) [ND(0.038)]	ND(0.041)	ND(0.041)	ND(0.039)
Aroclor-1242	ND(0.039)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.038) [ND(0.038)]	ND(0.041)	ND(0.041)	ND(0.039)
Aroclor-1248	ND(0.039)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.038)	ND(0.038)	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.038) [ND(0.038)]	ND(0.041)	ND(0.041)	ND(0.039)
Aroclor-1254	ND(0.039)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.038)	0.71	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.038) [ND(0.038)]	ND(0.041)	0.35	ND(0.039)
Aroclor-1260	ND(0.039)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.038)	0.14	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.038) [ND(0.038)]	ND(0.041)	0.071	ND(0.039)
Total PCBs	ND(0.039)	ND(0.038) [ND(0.038)]	ND(0.039)	ND(0.038)	0.85	ND(0.042)	ND(0.043)	ND(0.038)	ND(0.038) [ND(0.038)]	ND(0.041)	0.42	ND(0.039)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	WL-B3A	WL-B3A	WL-B4A	WL-B4A	WL-B5A	WL-B5A	WL-B5A	WL-B6A	WL-B6A	WL-B6A	WL-B6A	WL-B6A	WL-B6A
Sample Depth(feet):	6-8	8-10	0.5-4	0-0.5	0.5-2	0-0.5	2-4	0-0.5	0-0.5	0-2	0-2	2-4	4-6
Date Collected:	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/10/01	05/10/01	05/10/01	05/10/01	05/10/01	05/10/01
Volatiles													
1,1,1-Trichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1,2-Trichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloroethene (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Hexanone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-pentanone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzene, isopropyl	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromoform	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromomethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon tetrachloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
cis-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyclohexane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dichlorodifluoromethane (CFC-12)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
m&p-Xylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	WL-B3A	WL-B3A	WL-B4A	WL-B4A	WL-B5A	WL-B5A	WL-B5A	WL-B6A	WL-B6A	WL-B6A	WL-B6A	WL-B6A	WL-B6A
Sample Depth(feet):	6-8	8-10	0.5-4	0-0.5	0.5-2	0-0.5	2-4	0-0.5	0-0.5	0-2	0-2	2-4	4-6
Date Collected:	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/10/01	05/10/01	05/10/01	05/10/01	05/10/01	05/10/01
Methyl acetate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methyl Tert Butyl Ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylcyclohexane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
o-Xylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
trans-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichlorofluoromethane (CFC-11)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trifluorotrichloroethane (Freon 113)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vinyl chloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Semivolatiles													
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dichlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dimethylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Chloronaphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Chlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methyl naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Nitroaniline	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Nitrophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3&4-Methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3,3-Dichlorobenzidine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3-Nitroaniline	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4,6-Dinitro-2-methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Bromophenyl phenyl ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	WL-B3A	WL-B3A	WL-B4A	WL-B4A	WL-B5A	WL-B5A	WL-B5A	WL-B6A	WL-B6A	WL-B6A	WL-B6A	WL-B6A	WL-B6A
Sample Depth(feet):	6-8	8-10	0.5-4	0-0.5	0.5-2	0-0.5	2-4	0-0.5	0-0.5	0-2	0-2	2-4	4-6
Date Collected:	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/10/01	05/10/01	05/10/01	05/10/01	05/10/01	05/10/01
4-Chloroaniline	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Chlorophenyl phenyl ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Nitroaniline	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Nitrophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetophenone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Atrazine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzaldehyde	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Biphenyl	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Chloroethoxy)methane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Chloroethyl)ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Chloroisopropyl)ether	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Butyl benzylphthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Caprolactam	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butylphthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-octyl phthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzofuran	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Diethyl phthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dimethyl phthalate	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobutadiene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorocyclopentadiene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isophorone	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylphenols, Total	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	WL-B3A	WL-B3A	WL-B4A	WL-B4A	WL-B5A	WL-B5A	WL-B5A	WL-B6A	WL-B6A	WL-B6A	WL-B6A	WL-B6A	WL-B6A
Sample Depth(feet):	6-8	8-10	0.5-4	0-0.5	0.5-2	0-0.5	2-4	0-0.5	0-0.5	0-2	0-2	2-4	4-6
Date Collected:	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/14/01	05/10/01	05/10/01	05/10/01	05/10/01	05/10/01	05/10/01
N-Nitrosodi-n-propylamine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
N-Nitrosodiphenylamine	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nitrobenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pentachlorophenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Inorganics													
Antimony	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium, hexavalent	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thallium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PCBs													
Aroclor-1016	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.039)	NS	ND(0.039)	ND(0.039)	NS	ND(0.041)	ND(0.039)
Aroclor-1221	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.039)	NS	ND(0.039)	ND(0.039)	NS	ND(0.041)	ND(0.039)
Aroclor-1232	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.039)	NS	ND(0.039)	ND(0.039)	NS	ND(0.041)	ND(0.039)
Aroclor-1242	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.039)	NS	ND(0.039)	ND(0.039)	NS	ND(0.041)	ND(0.039)
Aroclor-1248	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.039)	NS	ND(0.039)	ND(0.039)	NS	ND(0.041)	ND(0.039)
Aroclor-1254	ND(0.038)	ND(0.038)	ND(0.040)	0.39	ND(0.038)	ND(0.040) [ND(0.040)]	0.16	0.044	NS	ND(0.039)	NS	ND(0.041)	ND(0.039)
Aroclor-1260	ND(0.038)	ND(0.038)	ND(0.040)	ND(0.040)	ND(0.038)	ND(0.040) [ND(0.040)]	ND(0.039)	NS	ND(0.039)	NS	ND(0.039)	ND(0.041)	ND(0.039)
Total PCBs	ND(0.038)	ND(0.038)	ND(0.040)	0.39	ND(0.038)	ND(0.040) [ND(0.040)]	0.16	0.044	NS	ND(0.039)	NS	ND(0.041)	ND(0.039)

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	WL-B6A	WL-B6A
Sample Depth(feet):	6-8	8-10
Date Collected:	05/10/01	05/10/01
Volatiles		
1,1,1-Trichloroethane	NS	NS
1,1,2,2-Tetrachloroethane	NS	NS
1,1,2-Trichloroethane	NS	NS
1,1-Dichloroethane	NS	NS
1,1-Dichloroethene	NS	NS
1,2,4-Trichlorobenzene	NS	NS
1,2,4-Trimethylbenzene	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	NS
1,2-Dibromoethane (EDB)	NS	NS
1,2-Dichlorobenzene	NS	NS
1,2-Dichloroethane	NS	NS
1,2-Dichloroethene (total)	NS	NS
1,2-Dichloropropane	NS	NS
1,3,5-Trimethylbenzene	NS	NS
1,3-Dichlorobenzene	NS	NS
1,4-Dichlorobenzene	NS	NS
2-Butanone	NS	NS
2-Hexanone	NS	NS
4-Methyl-2-pentanone	NS	NS
Acetone	NS	NS
Benzene	NS	NS
Benzene, isopropyl	NS	NS
Bromodichloromethane	NS	NS
Bromoform	NS	NS
Bromomethane	NS	NS
Carbon disulfide	NS	NS
Carbon tetrachloride	NS	NS
Chlorobenzene	NS	NS
Chloroethane	NS	NS
Chloroform	NS	NS
Chloromethane	NS	NS
cis-1,2-Dichloroethene	NS	NS
cis-1,3-Dichloropropene	NS	NS
Cyclohexane	NS	NS
Dibromochloromethane	NS	NS
Dichlorodifluoromethane (CFC-12)	NS	NS
Ethylbenzene	NS	NS
m&p-Xylene	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	WL-B6A	WL-B6A
Sample Depth(feet):	6-8	8-10
Date Collected:	05/10/01	05/10/01
Methyl acetate	NS	NS
Methyl Tert Butyl Ether	NS	NS
Methylcyclohexane	NS	NS
Methylene chloride	NS	NS
o-Xylene	NS	NS
Styrene	NS	NS
Tetrachloroethene	NS	NS
Toluene	NS	NS
trans-1,2-Dichloroethene	NS	NS
trans-1,3-Dichloropropene	NS	NS
Trichloroethene	NS	NS
Trichlorofluoromethane (CFC-11)	NS	NS
Trifluorotrichloroethane (Freon 113)	NS	NS
Vinyl chloride	NS	NS
Xylenes (total)	NS	NS
Semivolatiles		
1,2,4-Trichlorobenzene	NS	NS
1,2-Dichlorobenzene	NS	NS
1,3-Dichlorobenzene	NS	NS
1,4-Dichlorobenzene	NS	NS
2,4,5-Trichlorophenol	NS	NS
2,4,6-Trichlorophenol	NS	NS
2,4-Dichlorophenol	NS	NS
2,4-Dimethylphenol	NS	NS
2,4-Dinitrophenol	NS	NS
2,4-Dinitrotoluene	NS	NS
2,6-Dinitrotoluene	NS	NS
2-Chloronaphthalene	NS	NS
2-Chlorophenol	NS	NS
2-Methyl naphthalene	NS	NS
2-Methylphenol	NS	NS
2-Nitroaniline	NS	NS
2-Nitrophenol	NS	NS
3&4-Methylphenol	NS	NS
3,3-Dichlorobenzidine	NS	NS
3-Nitroaniline	NS	NS
4,6-Dinitro-2-methylphenol	NS	NS
4-Bromophenyl phenyl ether	NS	NS
4-Chloro-3-methylphenol	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	WL-B6A	WL-B6A
Sample Depth(feet):	6-8	8-10
Date Collected:	05/10/01	05/10/01
4-Chloroaniline	NS	NS
4-Chlorophenyl phenyl ether	NS	NS
4-Nitroaniline	NS	NS
4-Nitrophenol	NS	NS
Acenaphthene	NS	NS
Acenaphthylene	NS	NS
Acetophenone	NS	NS
Anthracene	NS	NS
Atrazine	NS	NS
Benzaldehyde	NS	NS
Benzo(a)anthracene	NS	NS
Benzo(a)pyrene	NS	NS
Benzo(b)fluoranthene	NS	NS
Benzo(g,h,i)perylene	NS	NS
Benzo(k)fluoranthene	NS	NS
Biphenyl	NS	NS
bis(2-Chloroethoxy)methane	NS	NS
bis(2-Chloroethyl)ether	NS	NS
bis(2-Chloroisopropyl)ether	NS	NS
bis(2-Ethylhexyl)phthalate	NS	NS
Butyl benzylphthalate	NS	NS
Caprolactam	NS	NS
Carbazole	NS	NS
Chrysene	NS	NS
Di-n-butylphthalate	NS	NS
Di-n-octyl phthalate	NS	NS
Dibenzo(a,h)anthracene	NS	NS
Dibenzofuran	NS	NS
Diethyl phthalate	NS	NS
Dimethyl phthalate	NS	NS
Fluoranthene	NS	NS
Fluorene	NS	NS
Hexachlorobenzene	NS	NS
Hexachlorobutadiene	NS	NS
Hexachlorocyclopentadiene	NS	NS
Hexachloroethane	NS	NS
Indeno(1,2,3-cd)pyrene	NS	NS
Isophorone	NS	NS
Methylphenols, Total	NS	NS

TABLE C-1

GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MIVHIGAN
RFI PHASE I REPORT

SOIL ANALYTICAL DATA

Sample ID:	WL-B6A	WL-B6A
Sample Depth(feet):	6-8	8-10
Date Collected:	05/10/01	05/10/01
N-Nitrosodi-n-propylamine	NS	NS
N-Nitrosodiphenylamine	NS	NS
Naphthalene	NS	NS
Nitrobenzene	NS	NS
Pentachlorophenol	NS	NS
Phenanthrene	NS	NS
Phenol	NS	NS
Pyrene	NS	NS
Inorganics		
Antimony	NS	NS
Arsenic	NS	NS
Barium	NS	NS
Beryllium	NS	NS
Cadmium	NS	NS
Chromium	NS	NS
Chromium, hexavalent	NS	NS
Cobalt	NS	NS
Copper	NS	NS
Cyanide (total)	NS	NS
Lead	NS	NS
Manganese	NS	NS
Mercury	NS	NS
Nickel	NS	NS
Selenium	NS	NS
Silver	NS	NS
Thallium	NS	NS
Vanadium	NS	NS
Zinc	NS	NS
PCBs		
Aroclor-1016	ND(0.042)	ND(0.041) [ND(0.039)]
Aroclor-1221	ND(0.042)	ND(0.041) [ND(0.039)]
Aroclor-1232	ND(0.042)	ND(0.041) [ND(0.039)]
Aroclor-1242	ND(0.042)	ND(0.041) [ND(0.039)]
Aroclor-1248	ND(0.042)	ND(0.041) [ND(0.039)]
Aroclor-1254	ND(0.042)	ND(0.041) [ND(0.039)]
Aroclor-1260	ND(0.042)	ND(0.041) [ND(0.039)]
Total PCBs	ND(0.042)	ND(0.041) [ND(0.039)]

TABLE C-2

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

MDEQ Part 201 Soil Criteria
(for constituents in the Project Analyte List)

		Direct Contact		Indoor Air		Ambient Air {Y}			
Hazardous Substance	**Chemical Abstract Service Number**	**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)**
VOLATILES									
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	370	4.3	23	10	344	54,000	68,000
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	550 {C}	550 {C}	550 {C}	550 {C}	180,000	210,000	5,100,000,000	2,300,000,000
1,1,2-Trichloroethane	79005	180	920 {C}	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-Dichloroethylene {I}	75354	200	570 {C}	0.062	0.33	1.1	3.7	62,000	78,000
1,2,4-Trichlorobenzene	120821	990 {AD}	1,100 {C,AD}	1,100 {C}	1,100 {C}	28,000	34,000	25,000,000	11,000,000
1,2-Dibromo-3-chloropropane	96128	1.2 {C}	1.2 {C}	1.2 {C}	1.2 {C}	13	15	13,000	5,900
1,2-Dibromoethane	106934	0.092	0.66	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 {I}	107062	91	640	2.1	11	6.2	21	120,000	150,000
1,2-Dichloropropane {I}	78875	140	550 {C}	4.0	7.4	25	30	270,000	120,000
1,3-Dichlorobenzene	541731	170 {C}	170 {C}	ID	ID	ID	ID	ID	ID
1,4-Dichlorobenzene	106467	400	2,900	19	100	77	260	450,000	570,000
2-Butanone (MEK) {I}	78933	27,000 {C,AD}	27,000 {C,AD}	27,000 {C}	27,000 {C}	29,000	35,000	67,000,000	29,000,000
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 (MIBK) {I}	108101	2,700 {C}	2,700 {C}	2,700 {C}	2,700 {C}	45,000	53,000	140,000,000	60,000,000
Acetone {I}	67641	23,000	110,000	110,000 {C}	110,000 {C}	130,000	160,000	390,000,000	170,000,000
Benzene {I}	71432	180	400 {C}	1.6	8.4	13	45	380,000	470,000
Bromodichloromethane	75274	110	750	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	74839	320	1,600	0.86	1.6	11	13	330,000	150,000
Carbon disulfide {I,R}	75150	280 {C,AD}	280 {C,AD}	76	140	1,300	1,600	47,000,000	21,000,000
Carbon tetrachloride	56235	96	390 {C}	0.19	0.99	3.5	12	130,000	170,000
Chlorobenzene	108907	260 {C}	260 {C}	120	220	770	920	4,700,000	2,100,000
Chloroethane	75003	950 {C}	950 {C}	950 {C}	950 {C}	30,000	36,000	670,000,000	290,000,000
Chloroform	67663	1,200	1,500 {C}	7.2	38	45	150	1,300,000	1,600,000
Chloromethane {I}	74873	1,100 {C}	1,100 {C}	2.3	12	40	140	4,900,000	6,100,000
cis-1,2-Dichloroethylene	156592	640 {C}	640 {C}	23	42	180	210	2,300,000	1,000,000
cis-1,3-Dichloropropene	10061015	130	620 {C}	0.010 {M}	0.010 {M}	0.001 {M}	0.031	400	500

TABLE C-2

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

MDEQ Part 201 Soil Criteria
(for constituents in the Project Analyte List)

		Direct Contact		Indoor Air		Ambient Air {Y}			
Hazardous Substance	**Chemical Abstract Service Number**	**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)**
VOLATILES (continued)									
Cyclohexane	110827	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	124481	110	610 {C}	3.9	21	24	80	130,000	160,000
Dichlorodifluoromethane	75718	1,000 {C}	1,000 {C}	900	1,000 {C}	53,000	63,000	3,300,000,000	1,500,000,000
Ethylbenzene {I}	100414	140 {C}	140 {C}	140 {C}	140 {C}	9,500	11,000	67,000,000	29,000,000
Isopropyl benzene	98828	390 {C}	390 {C}	390 {C}	390 {C}	1,700	2,000	5,800,000	2,600,000
Methyl acetate	79209	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	1634044	1,800	5,900 {C}	5,900 {C}	5,900 {C}	25,000	30,000	200,000,000	88,000,000
Methylcyclohexane	108872	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	75092	1,300	2,300 {C}	45	240	210	700	6,600,000	8,300,000
Styrene	100425	400	520 {C}	250	520 {C}	970	3300	5.5E+6	6.9E+6
Tetrachloroethylene	127184	88 {C}	88 {C}	11	60	180	600	5,400,000	6,800,000
Toluene {I}	108883	250 {C}	250 {C}	250 {C}	250 {C}	2,800	3,300	27,000,000	12,000,000
trans-1,2-Dichloroethylene	156605	1,400 {C}	1,400 {C}	23	43	280	330	4,700,000	2,100,000
trans-1,3-Dichloropropene	10061026	130	620 {C}	0.010 {M}	0.010 {M}	0.001 {M}	0.031	400	500
Trichloroethylene	79016	500 {C}	500 {C}	7.1	37	78	260	1,800,000	2,300,000
Trichlorofluoromethane	75694	560 {C}	560 {C}	560 {C}	560 {C}	92,000	110,000	3,800,000,000	1,700,000,000
Vinyl chloride	75014	4.0	29	0.028	0.15	0.44	1.5	37,000	47,000
Xylenes (total) {I}	1330207	150 {C}	150 {C}	150 {C}	150 {C}	46,000	54,000	290,000,000	130,000,000
SEMIVOLATILES									
1,1'-Biphenyl	92524	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95954	23,000	110,000	NLV	NLV	NLV	NLV	23,000,000	10,000,000
2,4,6-Trichlorophenol	88062	710	5,000	NLV	NLV	NLV	NLV	1,000,000	1,300,000
2,4-Dichlorophenol	120832	660 {AD}	1,800 {C,AD}	NLV	NLV	NLV	NLV	5,100,000	2,300,000
2,4-Dimethylphenol	105679	11,000	56,000	NLV	NLV	NLV	NLV	4,700,000	2,100,000
2,4-Dinitrophenol	51285	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	121142	48	340	NLV	NLV	NLV	NLV	16,000	20,000
2,6-Dinitrotoluene	606202	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	91587	56,000	280,000	ID	ID	ID	ID	ID	ID
2-Chlorophenol	95578	1,400	6,900	ID	ID	ID	ID	ID	ID
2-Methyl-4,6-dinitrophenol	534521	79	390	NLV	NLV	NLV	NLV	ID	ID

TABLE C-2

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

MDEQ Part 201 Soil Criteria
(for constituents in the Project Analyte List)

		Direct Contact		Indoor Air		Ambient Air {Y}			
Hazardous Substance	**Chemical Abstract Service Number**	**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)**
SEMIVOLATILES (continued)									
2-Methylnaphthalene	91576	8,100	40,000	ID	ID	ID	ID	ID	ID
2-Methylphenol (J)	95487	11,000	56,000	NLV	NLV	NLV	NLV	6,700,000	2,900,000
2-Nitroaniline	88744	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	88755	630	3,100	NLV	NLV	NLV	NLV	ID	ID
3,3'-Dichlorobenzidine	91941	6.6	47	NLV	NLV	NLV	NLV	6,500	8,200
3-Nitroaniline	99092	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	101553	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	59507	4,500	22,000	NLV	NLV	NLV	NLV	ID	ID
4-Chloroaniline	106478	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	7005723	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	106445	11,000	56,000	NLV	NLV	NLV	NLV	6,700,000	2,900,000
4-Nitroaniline	100016	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	100027	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	83329	41,000	200,000	190,000	350,000	81,000	97,000	14,000,000	6,200,000
Acenaphthylene	208968	1,600	8,000	1,600	3,000	2,200	2,700	2,300,000	1,000,000
Acetophenone	98862	1,100 {C}	1,100 {C}	1,100	1,100 {C}	44,000	52,000	33,000,000	14,000,000
Anthracene	120127	230,000	1,000,000 {D}	1,000,000 {D}	1,000,000 {D}	1,400,000	1,600,000	67,000,000	29,000,000
Atrazine	1912249	71 {AD}	500 {AD}	NLV	NLV	NLV	NLV	ID	ID
Benzaldehyde	100527	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene {Q}	56553	20	100	NLV	NLV	NLV	NLV	ID	ID
Benzo(a)pyrene {Q}	50328	2.0	10	NLV	NLV	NLV	NLV	1,500	1,900
Benzo(b)fluoranthene	205992	20	100	NLV	NLV	NLV	NLV	ID	ID
Benzo(g,h,i)perylene	191242	2,500	9,100	NLV	NLV	NLV	NLV	800,000	350,000
Benzo(k)fluoranthene	207089	200	1,000	NLV	NLV	NLV	NLV	ID	ID
bis(2-Chloroethoxy)methane	111911	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	111444	13	89	8.3	44	3.8	13	9,400	12,000
bis(2-Chloroisopropyl)ether	108601	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	117817	2,800	10,000 {C}	NLV	NLV	NLV	NLV	700,000	890,000
Butyl benzyl phthalate	85687	310 {C}	310 {C}	NLV	NLV	NLV	NLV	47,000,000	21,000,000
Caprolactam	105602	53,000 {AD}	450,000 {AD}	NLV	NLV	NLV	NLV	670,000	290,000

TABLE C-2

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

MDEQ Part 201 Soil Criteria
(for constituents in the Project Analyte List)

		Direct Contact		Indoor Air		Ambient Air {Y}			
Hazardous Substance	**Chemical Abstract Service Number**	**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)**
SEMIVOLATILES (continued)									
Carbazole	86748	530	3,700	NLV	NLV	NLV	NLV	ID	ID
Chrysene	218019	2,000	10,000	ID	ID	ID	ID	ID	ID
Dibenz(a,h)anthracene {Q}	53703	2.0	10	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-octylphthalate	117840	6,900	28,000	NLV	NLV	NLV	NLV	ID	ID
Fluoranthene	206440	46,000	180,000	1,000,000 {D}	1,000,000 {D}	740,000	890,000	9,300,000	4,100,000
Fluorene	86737	27,000	130,000	580,000	1,000,000 {D}	130,000	150,000	9,300,000	4,100,000
Hexachlorobenzene	118741	8.9	51	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}	ID	ID	ID	ID	ID	ID
Hexachloroethane	67721	230	1,100	40	79	550	660	230,000	100,000
Indeno(1,2,3-cd)pyrene	193395	20	100	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 (J)	1319773	11,000	56,000	NLV	NLV	NLV	NLV	6,700,000	2,900,000
Naphthalene	91203	16,000	80,000	250	470	300	350	200,000	88,000
Nitrobenzene {I}	98953	100	490 {C}	490 {C}	490 {C}	3,900	4,600	3,300,000	1,500,000
N-Nitrosodi-n-propylamine	621647	1.2	8.3	NLV	NLV	NLV	NLV	1,600	2,000
N-Nitrosodiphenylamine	86306	1,700	12,000	NLV	NLV	NLV	NLV	ID	ID
Pentachlorophenol	87865	90	390	NLV	NLV	NLV	NLV	100,000	130,000
Phenanthrene	85018	1,600	8,000	2,800	5,100	160	190	6,700	2,900
Phenol	108952	12,000 {C,AD}	12,000 {C,AD}	NLV	NLV	NLV	NLV	40,000,000	18,000,000
Pyrene	129000	29,000	110,000	1,000,000 {D}	1,000,000 {D}	650,000	780,000	6,700,000	2,900,000
PCBs									
Polychlorinated biphenyls (PCBs) {J,T}	1336363	4.0 {T} (2)	20 {T} (2)	3,000	16,000	240	810	5,200	6,500

TABLE C-2

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

MDEQ Part 201 Soil Criteria
(for constituents in the Project Analyte List)

		Direct Contact		Indoor Air		Ambient Air {Y}			
Hazardous Substance	**Chemical Abstract Service Number**	**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)**
INORGANICS									
Antimony	7440360	180	1,200	NLV	NLV	NLV	NLV	13,000	5,900
Arsenic {B}	7440382	7.6	61	NLV	NLV	NLV	NLV	720	910
Barium	7440393	37,000	250,000	NLV	NLV	NLV	NLV	330,000	150,000
Beryllium	7440417	410	3,100	NLV	NLV	NLV	NLV	1,300	590
Cadmium {B}	7440439	550	4,100	NLV	NLV	NLV	NLV	1,700	2,200
Chromium (III) {B,H)	16065831	790,000	1,000,000 {D}	NLV	NLV	NLV	NLV	330,000	150,000
Chromium (VI)	18540299	2,500	17,000	NLV	NLV	NLV	NLV	260	240
Cobalt	7440484	2,600	18,000	NLV	NLV	NLV	NLV	13,000	5,900
Copper	7440508	20,000	140,000	NLV	NLV	NLV	NLV	130,000	59,000
Cyanide {R}	57125	12 {P}	250 {P}	NLV	NLV	NLV	NLV	250	250
Lead	7439921	400	900 (draft)	NLV	NLV	NLV	NLV	100,000	44,000
Manganese {B}	7439965	25,000	170,000	NLV	NLV	NLV	NLV	3,300	1,500
Mercury (Inorganic)	7439976	160	1,100	NLV	NLV	NLV	NLV	ID	ID
Nickel {B}	7440020	40,000	270,000	NLV	NLV	NLV	NLV	13,000	16,000
Selenium {B}	7782492	2,600	18,000	NLV	NLV	NLV	NLV	130,000	59,000
Silver {B}	7440224	2,500	17,000	NLV	NLV	NLV	NLV	6,700	2,900
Thallium {B}	7440280	35	240	NLV	NLV	NLV	NLV	ID	ID
Vanadium	7440622	750	10,000	NLV	NLV	NLV	NLV	ID	ID
Zinc {B}	7440666	170,000	1,000,000 {D}	NLV	NLV	NLV	NLV	ID	ID

TABLE C-3

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

NOTES

General Notes:

Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc., 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 dry-weight milligrams per kilogram (mg/kg)
Total Xylenes reported as the sum of m&p-Xylene and o-Xylene.
Total PCBs reported as the sum of PCB aroclors.
Notes in parentheses within cells represent constituent concentrations that exceed at least one of the listed Michigan Part 201 Criteria:

RDC = Residential Direct Contact criteria, updated June 2000.
IDC = Industrial Direct Contact criteria, updated June 2000.
RSVIA = Residential Soil Volatilization to Indoor Air Inhalation criteria, updated June 2000.
ISVIA = Industrial Soil Volatilization to Indoor Air Inhalation criteria, updated June 2000.
RISVSIC = Residential Infinite Source Volatile Soil Inhalation criteria, updated June 2000.
IISVSIC = Industrial Infinite Source Volatile Soil Inhalation Criteria, updated June 2000.
RPSIC = Residential Particulate Soil Inhalation criteria, upated June 2000.
IPSIC = Industrial Particulate Soil Inhalation criteria, updated June 2000.

Data Qualifiers:

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.
ND = Not detected. The value in parentheses represents the associated detection limit.
R = Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. Tha data shall not be used for any qualitative or quantitative purposes.
NS = Sample was not analyzed for this constituent.
E = Analytical result exceeded the linear range of the instrument.

MDEQ Criteria Qualifiers:

ID = *Inadequate data* to develop criterion.
NA = Criterion or value is *not available*.
NLV = Hazardous substance is *not likely to volatilize* under most conditions.
{B} = Background, as defined in Rule 299.5701(c), may be substituted if higher than the calculated cleanup criteria. Background levels may not exceed criteria for all inorganic compounds.
{C} = Value presented is a screening level based on the chemical-specific generic soil saturation concentration (Csat) 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 contaminant is not present. Consult the Generic Soil Saturation Concentrations: Technical Support Document (August 31, 1998) for further guidance on development of site-specific Csat values. Risk-based criteria are available by contacting an ERD toxicologist.
{D} = Calculated criterion exceeds 100%, hence it is reduced to 100% (i.e., 1.0E+9 ppb). Evaluation of free phase contaminant, environmental impacts, adverse aesthetics and acute or local toxicity is required.

TABLE C-3

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

NOTES

MDEQ Criteria Qualifiers (Cont'd.):

{H} = Valence-specific chromium data (Cr III and Cr VI) must 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 DWC of 100 ug/l. If analytical data are provided for "total" chromium only, then values for Cr VI must be applied as the cleanup criteria. Cr III 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.

{I} = Hazardous substance may exhibit the characteristic of ignitability as defined in 40 CFR 261.21.

{J} = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

{M} = Calculated criterion is below the analytical Target Detection Limit (TDL), therefore, the criterion defaults to the TDL.

{Q} = Criteria for carcinogenic polycyclic aromatic hydrocarbons (PAHs) were developed using "relative potential potencies" (RPPs) to benzo(a)pyrene.

{R} = Hazardous substance may exhibit the characteristic of reactivity as defined in 40 CFR 261.23.

{T} = Refer to the Toxic Substances Control Act (TSCA), 40 CFR 761, Subparts D and G, as amended, to determine the applicability of TSCA cleanup standards. Alternatives to compliance with the standards listed below are possible under Subpart D. New releases may be subject to the standards identified in Subpart G. Use Part 201 soil direct contact criteria in the table below where TSCA standards are not applicable.

Land Use Category	TSCA, Subpart D	Part 201
Residential & Commercial I	1,000 ppb, or 10,000 ppb if capped	4,000 ppb
Industrial & Commercial II	1,000 ppb, or 10,000 ppb if capped	20,000 ppb
Commercial III	1,000 ppb, or 10,000 ppb if capped	62,000 ppb
Commercial IV	1,000 ppb, or 10,000 ppb if capped	32,000 ppb

{AD} = Hazardous substance causes developmental effects. Residential and Commercial I DCC are protective of both prenatal and postnatal exposure. Industrial and Commercial II, III and IV DCC are protective for an adult pregnant receptor.

{ }* = Site-specific background value has been used as the constituent criteria value.

Appendix D

Groundwater Analytical Data

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

TABLE D-1

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

GROUNDWATER SAMPLE COLLECTION FIELD PARAMETERS

Well ID	Date Sampled	pH (SU)	Temperature (°C)	Conductivity (uS/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTUs)
03-02	9/20/2001	7.64	18.60	0.74	6.65	-97.00	0.00
03-101	9/27/2001	9.31	17.86	0.51	3.51	-120.00	5.20
03-109	9/26/2001	7.38	16.28	0.75	0.00	-41.00	42.90
03-111	9/21/2001	7.64	21.05	7.92	10.02	24.00	0.00
03-114	9/21/2001	6.92	17.35	0.45	10.29	239.00	0.00
04-1	9/14/2001	7.50	19.80	3.96	9.31	63.00	26.00
04-2	9/17/2001	7.53	19.10	2.13	4.93	-152.00	0.00
04-3	9/17/2001	7.78	19.80	0.65	3.97	-33.00	2.00
04-4	9/17/2001	8.42	18.40	2.32	5.84	92.00	0.60
04-5	9/18/2001	8.14	21.20	0.62	7.17	-96.00	11.00
04-120	9/17/2001	7.56	16.30	1.29	6.92	0.00	1.80
04-121	9/28/2001	7.47	13.45	1.58	6.05	274.00	9.80
04-140	10/1/2001	7.74	18.00	1.64	1.27	62.00	0.00
04-160	9/21/2001	7.96	16.00	7.00	4.06	-77.00	25.10
07-01	9/20/2001	8.31	18.10	2.52	7.33	53.00	19.00
07-02	9/20/2001	7.86	15.70	0.62	5.60	67.00	250.00
11-120	9/25/2001	7.20	16.21	10.90	0.00	75.00	0.00
11-140	9/28/2001	6.48	13.87	2.61	4.02	312.00	120.00
20-100	9/21/2001	6.30	18.17	2.74	1.79	166.00	0.00
20-101R	11/15/2001	7.63	15.90	4.38	1.82	-116.00	250.00
20-102	9/25/2001	7.40	17.70	13.70	0.00	99.00	0.00
20-103N	9/21/2001	6.74	16.00	0.47	1.23	206.00	0.00
20-105R	12/6/2001	7.29	14.90	11.50	2.56	-72.00	0.00
20-120	9/21/2001	5.86	18.25	13.80	1.14	264.00	0.00
20-121	9/21/2001	6.03	19.93	1.12	0.00	55.00	0.00
20-140	2/22/2002	7.50	13.21	7.55	3.50	-3.00	0.00
20-144	2/22/2002	7.37	11.31	14.80	0.00	-226.00	0.00
20-145	9/25/2001	8.76	17.92	2.31	5.16	-98.00	4.00
20-500	9/21/2001	7.36	18.45	7.39	7.32	-115.00	482.00
20-504	9/21/2001	7.23	16.90	6.28	6.42	151.00	0.00
20-FP-10	9/25/2001	9.07	16.44	9.56	2.84	-132.00	11.30
20-FP-10	2/22/2002	6.39	9.93	8.82	0.00	-168.00	0.00
20-FP-11	9/25/2001	8.07	16.40	3.30	7.66	-105.00	0.40
20-FP-6	9/25/2001	8.56	17.80	0.64	7.58	-146.00	0.00
20-FP-6	2/20/2002	6.50	10.77	0.67	0.00	-176.00	0.00
30-100	9/21/2001	7.84	18.50	4.64	2.78	-75.00	0.00
30-120	9/25/2001	7.73	15.60	7.56	6.48	-104.00	0.00
30-140	9/25/2001	7.58	14.80	7.83	7.10	40.00	0.00
31-5	9/17/2001	7.42	21.90	2.94	9.91	99.00	0.00
31-6	9/17/2001	8.61	21.56	1.25	4.04	103.00	0.00
31-8	9/17/2001	9.03	19.89	4.67	3.98	-127.00	33.90

See Notes on Page 6.

TABLE D-1

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

GROUNDWATER SAMPLE COLLECTION FIELD PARAMETERS

Well ID	Date Sampled	pH (SU)	Temperature (°C)	Conductivity (uS/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTUs)
36 FP1	9/27/2001	7.48	15.80	6.27	7.34	-93.00	0.00
36 FP2	9/28/2001	7.45	14.50	5.07	7.47	-106.00	0.00
36 FP5	9/28/2001	7.11	22.30	1.51	6.05	-123.00	11.30
36 FP8	9/27/2001	7.62	18.20	8.05	7.47	-93.00	0.00
36-100	9/27/2001	7.50	16.50	4.75	7.32	-96.00	0.00
36-101	9/28/2001	7.61	16.60	3.72	7.76	-17.00	0.00
36-120	9/27/2001	7.62	14.47	6.98	0.00	103.00	0.00
36-120	9/27/2001	7.62	14.47	6.98	0.00	103.00	0.00
36-121	9/27/2001	7.71	15.91	5.56	0.00	30.00	8.90
37-01	9/26/2001	9.23	16.10	2.79	6.24	-37.00	23.00
40-2	9/20/2001	6.98	21.90	9.27	9.62	-90.00	0.00
40-3	9/18/2001	6.82	17.20	6.85	9.99	-101.00	0.00
40-4R	11/21/2001	7.27	14.80	1.54	2.26	-132.00	0.00
40-5	9/18/2001	7.96	19.00	6.36	6.35	219.00	5.50
40-6	9/18/2001	7.69	18.16	2.45	0.00	208.00	10.70
40-301	9/17/2001	7.51	16.52	2.68	8.49	-106.00	0.00
40-302	9/17/2001	8.07	18.57	0.41	8.52	-111.00	0.00
40-303R	12/7/2001	6.19	9.60	1.15	9.57	177.00	100.00
40-304	9/14/2001	7.32	21.49	0.46	7.10	-130.00	0.00
40-305	9/17/2001	7.82	19.15	1.41	7.20	-2.00	0.00
43-100	9/25/2001	6.84	17.60	0.81	7.35	228.00	0.00
43-101R	11/15/2001	7.40	17.40	2.19	2.07	-102.00	4.00
43-103	9/25/2001	7.60	17.20	5.51	0.00	39.00	0.00
43-140	9/26/2001	8.71	15.90	0.10	6.48	-5.00	28.00
43-141	9/25/2001	7.61	14.16	4.89	0.00	97.00	0.00
43-166	9/26/2001	7.50	17.10	9.83	7.41	-117.00	0.00
43-167	9/26/2001	7.43	18.40	5.01	2.33	-125.00	0.00
43-168	9/27/2001	8.73	19.69	4.60	4.16	-54.00	18.50
43-220	9/25/2001	6.96	22.90	2.00	40.45	30.00	0.00
43-242	9/25/2001	6.89	20.30	5.86	10.68	195.00	0.00
55-1	9/26/2001	8.09	19.70	2.20	6.58	-126.00	0.00
55-2	9/26/2001	7.95	16.70	5.82	5.83	-92.00	0.60
55-3	9/26/2001	8.03	17.40	6.66	6.98	-114.00	0.30
55-4	9/26/2001	7.72	16.70	3.88	7.30	38.00	0.00
55-5	9/26/2001	7.68	24.24	1.53	0.00	-139.00	0.00
70-100	9/24/2001	9.02	13.77	3.90	3.78	-99.00	31.00
70-102	9/27/2001	6.79	15.80	1.41	9.06	36.00	0.00
70-109	9/24/2001	8.07	17.10	0.45	6.11	200.00	51.00
70-160	9/26/2001	6.98	14.90	0.95	6.35	-67.00	29.80
70-163	9/28/2001	8.28	16.80	2.48	8.65	-92.00	7.40
70-165	9/26/2001	6.94	15.90	1.37	11.23	12.00	15.30

See Notes on Page 6.

TABLE D-1

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

GROUNDWATER SAMPLE COLLECTION FIELD PARAMETERS

Well ID	Date Sampled	pH (SU)	Temperature (°C)	Conductivity (uS/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTUs)
84-02	10/17/2001	7.68	9.40	0.17	4.04	44.00	135.00
84-6	10/17/2001	7.08	11.20	1.98	3.36	14.00	75.30
86-100	9/24/2001	7.64	19.55	11.50	0.00	-51.00	47.20
86-3	9/26/2001	7.75	14.20	10.20	3.67	-32.00	0.00
87-FP2	9/24/2001	8.00	18.15	9.90	0.00	-225.00	48.20
87-FP3	9/27/2001	7.57	15.50	3.53	2.07	-89.00	0.00
87-FP5	9/28/2001	6.62	16.25	0.43	8.65	-16.00	114.00
88-2	9/20/2001	6.87	16.20	6.31	10.61	-100.00	0.00
88-7	9/20/2001	8.57	21.77	15.30	0.00	-135.00	18.50
88-8	9/20/2001	6.79	19.50	4.10	10.10	-122.00	0.00
88-9	9/20/2001	8.52	18.75	2.45	7.71	-126.00	205.00
MW-22	2/27/2002	8.10	7.30	3.41	4.45	71.00	0.00
MW-23	2/27/2002	6.28	4.49	1.53	0.00	3.00	0.00
MW-24	2/27/2002	7.73	6.49	0.53	7.93	115.00	117.00
RFI-02-05	9/18/2001	6.97	21.60	1.78	7.09	-150.00	0.00
RFI-02-07	9/18/2001	6.65	17.90	7.49	7.99	12.00	0.10
RFI-02-08	9/19/2001	7.77	18.30	2.05	7.14	36.00	0.50
RFI-03-01	9/19/2001	7.57	20.30	1.87	5.09	-120.00	20.00
RFI-03-02	2/25/2002	6.80	11.16	2.81	1.50	45.00	11.60
RFI-03-03	9/21/2001	7.94	18.69	0.67	7.15	-69.00	732.00
RFI-03-04	9/21/2001	7.56	20.02	4.77	4.57	-102.00	0.00
RFI-05-01	9/25/2001	9.06	18.48	2.78	4.08	-124.00	93.90
RFI-05-02	9/20/2001	7.40	24.81	5.30	5.56	-13.00	0.00
RFI-05-03	9/25/2001	8.39	17.10	7.59	7.60	-79.00	15.90
RFI-05-04	9/19/2001	7.66	23.62	2.36	5.90	66.00	10.40
RFI-05-05	9/19/2001	8.96	23.92	1.68	3.48	-74.00	0.80
RFI-05-06	9/25/2001	8.11	18.30	8.35	7.45	-83.00	209.00
RFI-05-07	9/20/2001	7.57	21.93	1.94	6.75	-49.00	0.00
RFI-05-10	9/19/2001	6.96	24.40	3.05	9.41	-59.00	0.00
RFI-05-12	9/20/2001	7.44	23.23	3.66	6.21	-130.00	0.00
RFI-05-19DR	12/11/2001	7.43	14.80	4.43	4.77	-46.00	170.00
RFI-05-19S	9/25/2001	7.87	17.42	3.61	7.03	121.00	378.00
RFI-05-20	9/25/2001	7.65	17.00	3.80	7.69	49.00	0.00
RFI-05-21	9/25/2001	7.83	14.90	3.51	7.00	-150.00	0.00
RFI-05-30	2/19/2002	6.62	10.90	11.00	0.00	-131.00	0.00
RFI-07-03	9/25/2001	7.45	18.70	3.26	5.62	-21.00	67.00
RFI-07-08	9/20/2001	7.72	15.20	2.00	6.03	22.00	0.10
RFI-09-01	9/14/2001	7.44	18.10	2.72	9.95	26.00	83.70
RFI-09-04R	11/28/2001	7.32	14.10	3.30	2.77	151.00	0.00
RFI-09-06	9/13/2001	7.25	20.20	4.65	8.13	-122.00	103.00
RFI-09-08	9/13-14/01	7.80	18.50	11.50	8.72	-135.00	340.00

See Notes on Page 6.

TABLE D-1

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

GROUNDWATER SAMPLE COLLECTION FIELD PARAMETERS

Well ID	Date Sampled	pH (SU)	Temperature (°C)	Conductivity (uS/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTUs)
RFI-09-09	9/17/2001	9.04	20.84	6.06	4.38	-86.00	0.00
RFI-09-10	9/13/2001	7.96	19.65	2.72	4.93	-48.00	210.00
RFI-09-11	9/17/2001	6.98	18.60	9.19	9.24	-108.00	36.40
RFI-09-12	12/13/2001	7.41	13.00	1.48	1.70	-110.00	0.00
RFI-09-13	10/3/2001	8.87	17.22	7.49	0.39	-118.00	125.00
RFI-09-14	10/3/2001	8.15	17.26	3.37	2.56	-62.00	14.40
RFI-10-01	9/24/2001	8.34	15.60	17.00	9.07	-140.00	180.00
RFI-10-01	2/22/2002	8.54	10.95	17.60	2.08	-194.00	0.00
RFI-10-02	9/24/2001	7.66	15.10	11.20	9.31	-116.00	410.00
RFI-10-03	9/26/2001	7.64	15.55	18.40	5.97	168.00	24.80
RFI-10-04	9/26/2001	6.96	15.79	13.20	6.85	261.00	4.70
RFI-10-05	9/24/2001	7.10	11.70	4.96	3.67	207.00	0.00
RFI-10-06	9/24/2001	7.02	15.00	2.90	9.44	59.00	0.00
RFI-10-07	11/20/2001	7.87	15.50	0.56	3.56	75.00	0.00
RFI-10-08	9/26/2001	9.27	14.97	0.80	4.92	-90.00	6.70
RFI-10-11	10/1/2001	7.44	20.30	9.17	NA	100.00	2.50
RFI-10-12	9/26/2001	7.87	18.26	6.60	0.00	-138.00	5.90
RFI-10-14	9/26/2001	7.87	18.26	6.60	0.00	-138.00	5.90
RFI-10-15	9/24/2001	7.16	12.80	0.93	5.71	206.00	0.00
RFI-10-24	2/20/2002	6.07	9.30	0.96	0.00	165.00	0.00
RFI-10-25	2/20/2002	6.19	9.46	1.11	0.00	285.00	0.00
RFI-10-26	2/21/2002	6.89	9.24	5.26	5.55	243.00	0.00
RFI-12-11S	9/19/2001	6.96	18.00	1.48	3.61	271.00	0.00
RFI-12-15	9/18/2001	11.69	16.50	3.97	9.67	-85.00	10.40
RFI-12-21	12/6/2001	7.86	16.60	2.83	2.63	-60.00	0.00
RFI-16-01	8/14/2001	6.50	16.40	2.92	2.66	NA	255.00
RFI-16-04	8/10/2001	7.84	17.80	3.60	7.76	NA	0.00
RFI-16-07	8/10/2001	8.31	18.90	0.55	8.07	NA	0.00
RFI-16-09	8/10/2001	7.94	17.70	1.40	7.60	NA	0.00
RFI-16-11	8/13/2001	7.00	16.30	1.63	0.98	NA	124.00
RFI-16-12	2/28/2002	6.41	4.54	3.41	9.29	89.00	0.00
RFI-16-20	12/12/2001	7.46	12.20	7.20	3.28	127.00	0.00
RFI-17-02	10/3/2001	7.85	22.07	2.85	0.00	122.00	41.30
RFI-21-04	11/19/2001	6.97	17.10	21.00	2.75	85.00	36.00
RFI-23-01	9/18/2001	7.19	20.50	3.64	4.59	173.00	17.10
RFI-23-02	9/18/2001	7.22	18.00	6.75	11.44	43.00	28.00
RFI-36-02	10/4/2001	9.62	17.87	3.07	0.00	-142.00	5.60
RFI-36-03	9/27/2001	7.75	16.10	7.38	8.76	45.00	7.50
RFI-36-04	9/28/2001	7.16	24.20	2.54	9.04	-131.00	24.40
RFI-36-05	9/21/2001	6.75	21.00	1.97	4.92	18.00	0.00
RFI-36-08	9/27/2001	8.08	19.80	8.26	7.78	-134.00	371.00

See Notes on Page 6.

TABLE D-1

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

GROUNDWATER SAMPLE COLLECTION FIELD PARAMETERS

Well ID	Date Sampled	pH (SU)	Temperature (°C)	Conductivity (uS/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTUs)
RFI-36-09	9/27/2001	7.17	17.40	19.00	7.66	123.00	5.00
RFI-36-10	9/28/2001	7.92	18.72	5.51	4.48	284.00	15.10
RFI-36-11	9/21/2001	7.71	21.60	0.77	5.04	-81.00	0.10
RFI-36-12	9/28/2001	7.88	23.10	0.80	7.00	-78.00	1.00
RFI-36-13	11/9/2001	7.60	15.70	8.50	5.74	59.00	0.00
RFI-36-14	10/2/2001	8.23	18.45	7.15	0.0/4.0	6.00	8.30
RFI-36-14	2/20/2002	7.96	11.10	6.78	1.52	-13.00	0.00
RFI-36-17	9/28/2001	7.95	12.35	2.42	3.73	45.00	0.00
RFI-36-18	9/28/2001	8.02	13.25	2.15	0.82	99.00	0.00
RFI-36-19	9/28/2001	7.80	14.91	1.30	3.20	143.00	33.30
RFI-36-20	9/28/2001	7.79	13.39	1.00	6.16	142.00	0.00
RFI-36-23	2/20/2002	7.90	23.68	0.38	2.11	-160.00	0.00
RFI-36-24	10/5/2001	7.88	22.93	2.87	0.20	-106.00	0.00
RFI-36-25R	2/26/2002	6.04	22.18	8.94	0.28	-84.00	0.00
RFI-36-27	2/20/2002	7.86	23.87	2.82	3.95	-166.00	0.00
RFI-36-29	10/2/2001	7.31	21.77	1.81	0.00	-57.00	>999
RFI-36-29R	2/26/2002	6.26	1.71	22.48	0.00	-128.00	0.00
RFI-36-31	10/5/2001	9.53	22.28	2.43	NA	-113.00	0.30
RFI-36-32	9/28/2001	7.05	22.90	2.54	8.73	-24.00	0.00
RFI-36-35	9/27/2001	7.47	14.80	12.30	2.89	-69.00	1.90
RFI-36-37	9/28/2001	7.97	13.38	2.45	1.16	-51.00	0.00
RFI-36-43	2/26/2002	6.01	21.29	8.96	0.46	-121.00	0.00
RFI-36-44	2/20/2002	6.16	10.65	2.68	1.49	159.00	0.00
RFI-36-45	2/20/2002	6.06	10.53	2.60	0.00	253.00	0.00
RFI-36-46	2/25/2002	6.08	11.51	5.01	0.00	253.00	0.00
RFI-38-04	9/27/2001	7.81	15.80	3.91	9.92	-18.00	0.00
RFI-38-05	9/28/2001	7.46	17.10	2.71	8.25	43.00	0.00
RFI-38-06	9/28/2001	7.83	14.70	2.82	8.46	-71.00	0.00
RFI-40-03	2/25/2002	6.69	9.11	1.05	1.71	184.00	0.00
RFI-40-04	2/25/2002	6.77	14.23	2.27	0.00	-138.00	0.00
RFI-40-09	2/26/2002	7.41	12.37	2.26	6.58	-144.00	0.00
RFI-44-04	9/18/2001	7.34	19.50	1.34	7.73	100.00	470.00
RFI-44-05	9/14/2001	7.80	19.00	6.97	8.17	-49.00	0.00
RFI-55-01	9/26/2001	7.80	18.53	2.86	0.00	-4.00	0.00
RFI-55-02	9/27/2001	7.69	17.54	8.08	0.00	93.00	208.00
RFI-55-09	9/27/2001	9.09	16.47	1.98	4.33	-79.00	25.30
RFI-55-10	2/26/2002	6.85	9.83	17.10	3.68	-14.00	0.00
RFI-65-01	9/24/2001	6.94	15.50	8.59	1.22	159.00	0.00
RFI-81-02	10/11/2001	7.00	23.80	6.01	4.13	-125.00	55.40
RFI-81-03	9/28/2001	7.02	11.10	1.17	8.69	64.00	13.60
RFI-81-05	9/19/2001	NA	NA	NA	NA	NA	NA

See Notes on Page 6.

TABLE D-1

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

GROUNDWATER SAMPLE COLLECTION FIELD PARAMETERS

Well ID	Date Sampled	pH (SU)	Temperature (°C)	Conductivity (uS/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTUs)
RFI-81-08	9/24/2001	8.03	14.60	4.62	6.61	-63.00	59.90
RFI-81-09	9/24/2001	7.53	18.00	7.14	6.19	58.00	3.10
RFI-81-09	2/22/2002	6.45	15.72	3.39	0.00	112.00	0.00
RFI-81-11	9/24/2001	7.85	17.10	5.70	5.81	-130.00	7.20
RFI-81-12R	12/7/2001	7.66	13.00	0.55	7.67	75.00	0.00
RFI-81-13	9/24/2001	8.80	17.70	3.04	6.06	-119.00	0.80
RFI-81-20	9/19/2001	7.00	NA	NA	NA	NA	NA
RFI-81-21	10/4/2001	7.90	13.62	1.20	1.55	130.00	0.00
RFI-81-33	2/19/2002	6.35	9.99	0.73	0.00	-8.00	0.00
RFI-81-35	2/19/2002	7.00	15.67	2.29	0.00	-189.00	0.00
RFI-83/84-01	9/21/2001	8.03	18.58	10.60	6.15	-95.00	0.00
RFI-83/84-02	10/1/2001	7.96	20.45	5.53	0.00	-120.00	0.00
RFI-83/84-11	9/24/2001	8.07	17.53	6.27	0.00	-163.00	34.90
RFI-83/84-20	2/22/2002	6.15	22.17	1.42	0.66	-106.00	0.00
RFI-83/84-25	12/13/2001	7.37	21.50	3.11	2.31	-129.00	0.00
RFI-83/84-27	2/21/2002	8.23	20.46	1.83	2.38	-189.00	0.00
RFI-83/84-29	2/21/2002	7.67	11.85	2.77	7.78	-69.00	0.00
RFI-84-05	10/2/2001	7.75	18.08	7.76	1.39	112.00	12.50
RFI-85-02R	12/13/2001	7.35	15.60	13.40	3.86	89.00	0.00
RFI-85-03	9/26/2001	7.94	13.00	14.90	4.21	138.00	30.00
RFI-85-04R	2/28/2002	7.64	12.31	13.40	7.45	-40.00	0.00
RFI-85-05	10/18/2001	7.16	19.10	9.31	4.21	12.00	54.60
RFI-85-06	9/24/2001	7.08	16.30	0.76	2.27	69.00	0.00
RFI-85-07	11/19/2001	7.39	17.50	11.50	2.17	-55.00	0.00
RFI-86-01	9/20/2001	7.15	17.70	1.55	11.51	-14.00	0.00
RFI-86-03	9/20/2001	8.28	18.41	4.55	0.00	-77.00	41.10
RFI-86-04	9/27/2001	7.17	17.70	1.52	5.86	142.00	0.00
RFI-86-05	9/27/2001	6.87	17.90	11.20	7.35	225.00	30.20
RFI-86-06D	9/28/2001	7.69	15.80	3.59	4.91	129.00	0.00
RFI-86-06S	10/2/2001	7.81	17.40	5.34	0.13	98.00	0.00
RFI-86-08R	2/21/2002	7.21	18.48	3.23	4.60	-101.00	0.00
RFI-86-15	2/19/2002	6.52	12.34	3.99	0.00	-99.00	0.00

Notes:
SU = Standard Units.
°C = Celsius.
uS/cm = microSiemens per centimeter.
mg/L = milligrams per Liter.
mV = millivolts.
NTUs = Nephelometric Turbidity Units.
NA = Not Available.

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	03-02 09/20/01	03-101 09/27/01	03-109 09/26/01	03-111 09/21/01	03-114 09/21/01	04-1 09/14/01	04-121 09/28/01	04-140 10/01/01	04-140x 10/01/01	04-160 09/21/01	04-2 09/17/01	04-3 09/17/01	04-4 09/17/01	04-5 09/18/01
Volatiles														
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2,2-Tetrachloroethane	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0) J	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0) J	NS	ND(1.0) J	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
1,1-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	NS	ND(25)	ND(25) [ND(25)]	ND(25)	ND(25)	1.2 J
2-Hexanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	NS	ND(50)	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	NS	ND(50)	4.4 J [4.2 J]	ND(50)	ND(50)	ND(50)
Acetone	ND(25)	0.74 J	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	NS	ND(25)	ND(25) [ND(25)]	ND(25)	ND(25)	ND(25)
Benzene	ND(1.0)	ND(1.0)	0.66 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	1
Benzene, isopropyl	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)
Bromodichloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0) J	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
Carbon disulfide	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
Chloroform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	0.81 J	42	ND(1.0)	ND(1.0)	0.53 J	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)
Dibromochloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3.5 J	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	32
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	1.1
Methyl acetate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	0.51 J
Methylene chloride	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)
Styrene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
Toluene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	03-02 09/20/01	03-101 09/27/01	03-109 09/26/01	03-111 09/21/01	03-114 09/21/01	04-1 09/14/01	04-121 09/28/01	04-140 10/01/01	04-140x 10/01/01	04-160 09/21/01	04-2 09/17/01	04-3 09/17/01	04-4 09/17/01	04-5 09/18/01
trans-1,2-Dichloroethene	ND(1.0)	1.4	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	64 J(RDW,IDW)	ND(1.0)	ND(1.0)	0.66 J	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	9.1(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
m&p-Xylene	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	NS	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.0)	0.56 J
o-Xylene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes (total)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	NS	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.0)	0.56
Semivolatiles														
2,4,5-Trichlorophenol	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
2,4,6-Trichlorophenol	ND(4.2)	ND(4.2)	ND(4.2)	ND(4.4)	ND(4.3)	ND(4.0)	ND(4.0)	ND(4.4)	NS	ND(4.4)	ND(4.0) [ND(4.0)]	ND(4.4)	ND(4.0)	ND(4.4)
2,4-Dichlorophenol	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(10)	ND(10)	ND(11)	NS	ND(11)	ND(10) [ND(10)]	ND(11)	ND(10)	ND(11)
2,4-Dimethylphenol	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
2,4-Dinitrophenol	ND(21) J	ND(21)	ND(21)	ND(22)	ND(22)	ND(20)	ND(20)	ND(22)	NS	ND(22)	ND(20) [ND(20)]	ND(22) J	ND(20) J	ND(22)
2,4-Dinitrotoluene	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
2,6-Dinitrotoluene	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
2-Chloronaphthalene	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
2-Chlorophenol	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
2-Methyl naphthalene	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
2-Methylphenol	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
2-Nitroaniline	ND(21)	ND(21)	ND(21)	ND(22)	ND(22)	ND(20)	ND(20)	ND(22)	NS	ND(22)	ND(20) [ND(20)]	ND(22)	ND(20)	ND(22)
2-Nitrophenol	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
3&4-Methylphenol	ND(11) J	ND(11) J	ND(11) J	ND(11) J	ND(11) J	ND(10) J	ND(10) J	ND(11) J	NS	ND(11) J	ND(10) J [ND(10) J]	ND(11) J	ND(10) J	ND(11)
3,3-Dichlorobenzidine	ND(21)	ND(21)	ND(21)	ND(22)	ND(22)	ND(20)	ND(20)	ND(22)	NS	ND(22)	ND(20) [ND(20)]	ND(22)	ND(20)	ND(22)
3-Nitroaniline	ND(21)	ND(21)	ND(21)	ND(22)	ND(22)	ND(20)	ND(20)	ND(22)	NS	ND(22)	ND(20) [ND(20)]	ND(22)	ND(20)	ND(22)
4,6-Dinitro-2-methylphenol	ND(21)	ND(21) J	ND(21) J	ND(22)	ND(22)	ND(20)	ND(20)	ND(22)	NS	ND(22)	ND(20) [ND(20)]	ND(22)	ND(20)	ND(22)
4-Bromophenyl phenyl ether	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	5.0 R [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
4-Chloro-3-methylphenol	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
4-Chloroaniline	ND(21)	ND(21)	ND(21)	ND(22)	ND(22)	ND(20)	ND(20)	ND(22)	NS	ND(22)	ND(20) [ND(20)]	ND(22)	ND(20)	ND(22)
4-Chlorophenyl phenyl ether	5.3 R	ND(5.3)	ND(5.3)	5.6 R	5.4 R	5.0 R	ND(5.0)	ND(5.6)	NS	5.6 R	ND(5.0) [5.0 R]	5.6 R	5.0 R	5.6 R
4-Nitroaniline	ND(21)	ND(21)	ND(21)	ND(22)	ND(22)	ND(20)	ND(20) J	ND(22)	NS	ND(22)	ND(20) [ND(20)]	ND(22)	ND(20)	ND(22)
4-Nitrophenol	ND(21) J	ND(21)	ND(21)	ND(22)	ND(22)	ND(20)	ND(20)	ND(22)	NS	ND(22)	ND(20) [ND(20)]	ND(22)	ND(20)	ND(22)
Acenaphthene	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Acenaphthylene	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Acetophenone	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Anthracene	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Atrazine	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Benzaldehyde	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6) J	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6) J	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Benzo(a)anthracene	ND(1.1) J	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	NS	ND(1.1)	ND(1.0) [ND(1.0)]	ND(1.1)	ND(1.0)	ND(1.1)
Benzo(a)pyrene	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.2)	NS	ND(2.2)	ND(2.0) [ND(2.0)]	ND(2.2)	ND(2.0)	ND(2.2)
Benzo(b)fluoranthene	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.2)	NS	ND(2.2)	ND(2.0) [ND(2.0)]	ND(2.2)	ND(2.0)	ND(2.2)
Benzo(g,h,i)perylene	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Benzo(k)fluoranthene	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	03-02 09/20/01	03-101 09/27/01	03-109 09/26/01	03-111 09/21/01	03-114 09/21/01	04-1 09/14/01	04-121 09/28/01	04-140 10/01/01	04-140x 10/01/01	04-160 09/21/01	04-2 09/17/01	04-3 09/17/01	04-4 09/17/01	04-5 09/18/01
Biphenyl	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
bis(2-Chloroethoxy)methane	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
bis(2-Chloroethyl)ether	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	NS	ND(1.1)	ND(1.0) [ND(1.0)]	ND(1.1)	ND(1.0)	ND(1.1)
bis(2-Chloroisopropyl)ether	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
bis(2-Ethylhexyl)phthalate	ND(5.3)	ND(5.3)	1.3 J	3.9 J	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Butyl benzylphthalate	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Caprolactam	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(10)	ND(10)	ND(11)	NS	ND(11)	ND(10) J [ND(10) J]	ND(11) J	ND(10) J	ND(11)
Carbazole	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(10)	ND(10) J	ND(11)	NS	ND(11)	ND(10) [ND(10)]	ND(11)	ND(10)	ND(11)
Chrysene	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Di-n-butylphthalate	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Di-n-octyl phthalate	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Dibenzo(a,h)anthracene	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.2)	NS	ND(2.2)	ND(2.0) [ND(2.0)]	ND(2.2)	ND(2.0)	ND(2.2)
Dibenzofuran	ND(4.2)	ND(4.2)	ND(4.2)	ND(4.4)	ND(4.3)	ND(4.0)	ND(4.0)	ND(4.4)	NS	ND(4.4)	ND(4.0) [ND(4.0)]	ND(4.4)	ND(4.0)	ND(4.4)
Diethyl phthalate	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Dimethyl phthalate	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Fluoranthene	ND(2.1)	ND(2.1)	ND(2.1)	1.3 J	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.2)	NS	ND(2.2)	ND(2.0) [ND(2.0)]	ND(2.2)	ND(2.0)	ND(2.2)
Fluorene	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Hexachlorobenzene	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	NS	ND(1.1)	ND(1.0) [ND(1.0)]	ND(1.1)	ND(1.0)	ND(1.1)
Hexachlorobutadiene	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Hexachlorocyclopentadiene	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Hexachloroethane	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Indeno(1,2,3-cd)pyrene	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.2)	NS	ND(2.2)	ND(2.0) [ND(2.0)]	ND(2.2)	ND(2.0)	ND(2.2)
Isophorone	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Methylphenols, Total	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(10)	ND(10)	ND(11)	NS	ND(11)	ND(10) [ND(10)]	ND(11)	ND(10)	ND(11)
N-Nitrosodi-n-propylamine	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
N-Nitrosodiphenylamine	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Naphthalene	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Nitrobenzene	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.2)	NS	ND(2.2)	ND(2.0) [ND(2.0)]	ND(2.2)	ND(2.0)	ND(2.2)
Pentachlorophenol	ND(21)	ND(21)	ND(21)	ND(22)	ND(22)	ND(20)	ND(20)	ND(22)	NS	ND(22)	ND(20) [ND(20)]	ND(22)	ND(20)	ND(22)
Phenanthrene	ND(5.3)	ND(5.3)	ND(5.3)	0.80 J	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Phenol	ND(5.3)	ND(5.3)	ND(5.3)	ND(5.6)	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Pyrene	ND(5.3)	ND(5.3)	ND(5.3)	0.84 J	ND(5.4)	ND(5.0)	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.6)
Inorganics														
Antimony	NS	NS	NS	NS	NS	NS	NS	NS	ND(2.7)	NS	NS	NS	NS	NS
Arsenic	NS	NS	NS	NS	NS	NS	NS	NS	4.0 J	NS	NS	NS	NS	NS
Barium	NS	NS	NS	NS	NS	NS	NS	NS	110 J	NS	NS	NS	NS	NS
Beryllium	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.40)	NS	NS	NS	NS	NS
Cadmium	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.20)	NS	NS	NS	NS	NS
Chromium	NS	NS	NS	NS	NS	NS	NS	NS	3.3 J	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	NS	NS	NS	0.93 J	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	NS	NS	NS	NS	4.3 J	NS	NS	NS	NS	NS
Cyanide (total)	ND(5.0)	ND(5.0)	ND(5.0)	3.0 J	ND(5.0)	NS	1.3 J	3.5 J	4.0 J	1.3 J	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)
Lead	NS	NS	NS	NS	NS	NS	NS	NS	0.56 J	NS	NS	NS	NS	NS
Manganese	NS	NS	NS	NS	NS	NS	NS	NS	39 J	NS	NS	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	03-02 09/20/01	03-101 09/27/01	03-109 09/26/01	03-111 09/21/01	03-114 09/21/01	04-1 09/14/01	04-121 09/28/01	04-140 10/01/01	04-140x 10/01/01	04-160 09/21/01	04-2 09/17/01	04-3 09/17/01	04-4 09/17/01	04-5 09/18/01
Mercury	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	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)
Nickel	NS	NS	NS	NS	NS	NS	NS	NS	15 J	NS	NS	NS	NS	NS
Selenium	NS	NS	NS	NS	NS	NS	NS	NS	39 J	NS	NS	NS	NS	NS
Silver	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.77)	NS	NS	NS	NS	NS
Thallium	NS	NS	NS	NS	NS	NS	NS	NS	0.055 J	NS	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	NS	NS	NS	NS	0.29 J	NS	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	NS	NS	NS	NS	31 J	NS	NS	NS	NS	NS
Inorganics-Filtered														
Antimony	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	NS	ND(1.2)	ND(1.2) [ND(1.2)]	ND(1.2)	ND(1.2)	ND(1.2)
Arsenic	3.6	29	ND(1.0)	2.0 J	ND(1.8)	1.9	ND(1.0)	ND(1.0)	NS	11	1 [ND(1.0)]	ND(1.0)	6.5	ND(1.0)
Barium	77 J	49	93	230	58	72	41	60	NS	130	57 [57]	11	17	63
Beryllium	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40) J	ND(0.40) J	ND(0.40)	ND(0.40)	ND(0.40)	NS	ND(0.40)	ND(0.40) [ND(0.40)]	ND(0.40)	ND(0.40)	ND(0.40)
Cadmium	ND(0.20)	ND(0.20)	0.47	2.8	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	ND(0.20)
Chromium	ND(0.60)	ND(0.60)	ND(0.60)	1.1	ND(0.60)	ND(1.1)	ND(0.60)	ND(0.75)	NS	0.98	0.63 [ND(0.60)]	ND(0.60)	ND(0.60)	ND(0.60)
Cobalt	0.43	0.58	0.45	0.63	ND(0.20)	0.5	ND(0.20)	0.3	NS	0.4	0.23 [0.22]	ND(0.20)	0.23	ND(0.20)
Copper	5.2	2.8	7.6	7.4 J	18 J	ND(7.2)	0.86	ND(1.3)	NS	16	4.1 [1.7]	25	5.4	1.2
Cyanide (total)	ND(5.0)	3.3 J	ND(5.0)	2.7 J	ND(5.0)	3.8 J	0.92 J	3.5 J	NS	1.2 J	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)
Lead	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	NS	ND(0.40)	ND(0.40) [ND(0.40)]	ND(0.40)	ND(0.40)	0.7
Manganese	460	450 J	1,500(RDW)	280	270	50	19 J	9.2	NS	42	100 [97]	55	37	26 J
Mercury	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	ND(0.20)
Nickel	3	2.1	3.9	8.7	3.1	ND(4.5)	4.4	6	NS	5.4	3.2 [3.1]	4.4	1.7	7.5
Selenium	ND(1.4)	ND(1.4)	ND(1.4)	ND(1.4)	2.6 J	13	4.5	19	NS	2.0 J	ND(1.4) [ND(1.4)]	ND(1.4)	2.8	ND(1.4)
Silver	1.7 J	ND(0.40) J	ND(0.40)	ND(0.40) J	ND(0.40) J	ND(0.40)	ND(0.40)	ND(0.40)	NS	ND(0.40)	ND(0.40) [ND(0.40)]	ND(0.40)	ND(0.40)	ND(0.40) J
Thallium	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	ND(0.20)
Vanadium	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	0.89	ND(0.80)	ND(0.80)	ND(0.80)	NS	ND(0.80)	ND(0.80) [ND(0.80)]	ND(0.80)	4.4	ND(0.80)
Zinc	180	6.9	110	83	29	ND(13)	12 J	8.1	NS	32	13 [9.4]	15	26	260
PCBs														
Aroclor-1016	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	NS	ND(0.12)	ND(0.10) [ND(0.10)]	ND(0.12)	ND(0.11)	ND(0.11)
Aroclor-1221	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	NS	ND(0.12)	ND(0.10) [ND(0.10)]	ND(0.12)	ND(0.11)	ND(0.11)
Aroclor-1232	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	NS	ND(0.12)	ND(0.10) [ND(0.10)]	ND(0.12)	ND(0.11)	ND(0.11)
Aroclor-1242	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	NS	ND(0.12)	ND(0.10) [ND(0.10)]	ND(0.12)	ND(0.11)	ND(0.11)
Aroclor-1248	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	NS	ND(0.12)	0.16 [0.17]	ND(0.12)	ND(0.11)	ND(0.11)
Aroclor-1254	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	NS	ND(0.12)	ND(0.10) [ND(0.10)]	ND(0.12)	ND(0.11)	ND(0.11)
Aroclor-1260	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	NS	ND(0.12)	ND(0.10) [ND(0.10)]	ND(0.12)	ND(0.11)	ND(0.11)
Total PCBs	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	NS	ND(0.12)	0.16 [0.17]	ND(0.12)	ND(0.11)	ND(0.11)
PCBs-Filtered														
Aroclor-1016	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	NS	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1221	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	NS	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1232	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	NS	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1242	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	NS	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1248	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.17)	ND(0.11)	ND(0.10)	NS	ND(0.11)	ND(0.10) [0.14]	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1254	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	0.039 J	ND(0.11)	ND(0.10)	NS	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1260	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	NS	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.11)	ND(0.10)	ND(0.11)
Total PCBs	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	0.039	ND(0.11)	ND(0.10)	NS	ND(0.11)	ND(0.10) [0.14]	ND(0.11)	ND(0.10)	ND(0.11)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	07-01 09/20/01	07-02 09/20/01	11-120 09/25/01	11-140 09/28/01	20-100 09/21/01	20-101R 11/15/01	20-102 09/25/01	20-103N 09/21/01	20-105R 12/06/01	20-120 09/21/01	20-121 09/21/01
Volatiles											
1,1,1-Trichloroethane	0.96 J	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	1,800 D(RDW,IDW)	11	ND(1.0)	1,200 D(RDW,IDW)	35	210 D(RDW,IDW)
1,1,2,2-Tetrachloroethane	ND(1.0)	ND(1.0)	ND(1.0) J [ND(1.0) J]	ND(1.0) J	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0) J	ND(1.0) J
1,1,2-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	2.8	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3.3
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	3.9	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	5,900 D(RDW,IDW)	0.69 J	ND(1.0)	150 D	4	690 D
1,1-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	14(RDW,IDW)	ND(1.0)	ND(1.0)	73(RDW,IDW)	ND(1.0)	13(RDW,IDW)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	2.5	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3.2
1,2-Dichloropropane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	ND(25)	ND(25)	ND(25) [ND(25)]	ND(25)	ND(25)	13 J	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-Hexanone	ND(50)	ND(50)	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	ND(50)	ND(50)	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
Acetone	ND(25)	0.81 J	ND(25) [ND(25)]	0.76 J	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
Benzene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.50 J
Benzene, isopropyl	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Bromodichloromethane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0) J	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Carbon disulfide	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	1,300 D(RDW)	ND(1.0)	ND(1.0)	66	ND(1.0)	21
Chloroform	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	17	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	1.8	5.4	ND(1.0)	ND(1.0)	ND(1.0)	250 D(RDW,IDW)
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Dibromochloromethane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methyl acetate	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	3.4 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Styrene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	1.8	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Toluene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	0.78 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	07-01 09/20/01	07-02 09/20/01	11-120 09/25/01	11-140 09/28/01	20-100 09/21/01	20-101R 11/15/01	20-102 09/25/01	20-103N 09/21/01	20-105R 12/06/01	20-120 09/21/01	20-121 09/21/01
trans-1,2-Dichloroethene	ND(1.0)	1.2	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	5.1 J	1.2	ND(1.0)	ND(1.0)	ND(1.0)	5.2
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	44(RDW,IDW)	ND(1.0)	ND(1.0)	2.6	ND(1.0)
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	3.3(RDW,IDW)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	280 D(RIA,RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.53 J
m&p-Xylene	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
o-Xylene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes (total)	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Semivolatiles											
2,4,5-Trichlorophenol	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
2,4,6-Trichlorophenol	ND(4.4)	ND(4.3)	ND(4.0) [ND(4.0)]	ND(4.4) J	ND(4.2)	ND(4.0)	ND(4.0)	ND(4.2)	ND(4.0)	ND(4.0)	ND(4.0)
2,4-Dichlorophenol	ND(11)	ND(11)	ND(10) [ND(10)]	ND(11) J	ND(11)	ND(10)	ND(10)	ND(11)	ND(10)	ND(10)	ND(10)
2,4-Dimethylphenol	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
2,4-Dinitrophenol	ND(22)	ND(22)	ND(20) [ND(20)]	ND(22) J	ND(21)	ND(20)	ND(20)	ND(21) J	ND(20)	ND(20)	ND(20)
2,4-Dinitrotoluene	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
2,6-Dinitrotoluene	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
2-Chloronaphthalene	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
2-Chlorophenol	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
2-Methyl naphthalene	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
2-Methylphenol	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
2-Nitroaniline	ND(22)	ND(22)	ND(20) [ND(20)]	ND(22) J	ND(21)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)
2-Nitrophenol	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
3&4-Methylphenol	ND(11) J	ND(11) J	ND(10) [ND(10)]	ND(11) J	ND(11) J	ND(10) J	ND(10)	ND(11) J	ND(10)	ND(10) J	ND(10) J
3,3-Dichlorobenzidine	ND(22)	ND(22)	ND(20) [ND(20)]	ND(22) J	ND(21)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)
3-Nitroaniline	ND(22)	ND(22)	ND(20) [ND(20)]	ND(22) J	ND(21)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)
4,6-Dinitro-2-methylphenol	ND(22)	ND(22)	ND(20) [ND(20)]	ND(22) J	ND(21)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)
4-Bromophenyl phenyl ether	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
4-Chloro-3-methylphenol	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
4-Chloroaniline	ND(22)	ND(22)	ND(20) [ND(20)]	ND(22) J	ND(21)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)
4-Chlorophenyl phenyl ether	5.6 R	5.4 R	ND(5.0) [ND(5.0)]	ND(5.6) J	5.3 R	ND(5.0)	ND(5.0)	5.3 R	ND(5.0)	5.0 R	5.0 R
4-Nitroaniline	ND(22)	ND(22)	ND(20) [ND(20)]	ND(22) J	ND(21)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)
4-Nitrophenol	ND(22)	ND(22)	ND(20) [ND(20)]	ND(22) J	ND(21)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)
Acenaphthene	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Acenaphthylene	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Acetophenone	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Anthracene	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Atrazine	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Benzaldehyde	ND(5.6) J	ND(5.4) J	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3) J	ND(5.0) J	ND(5.0)	ND(5.3) J	ND(5.0)	ND(5.0) J	ND(5.0) J
Benzo(a)anthracene	ND(1.1)	ND(1.1)	ND(1.0) [ND(1.0)]	ND(1.1) J	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.0)
Benzo(a)pyrene	ND(2.2)	ND(2.2)	ND(2.0) [ND(2.0)]	ND(2.2) J	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)
Benzo(b)fluoranthene	ND(2.2)	ND(2.2)	ND(2.0) [ND(2.0)]	ND(2.2) J	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)
Benzo(g,h,i)perylene	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0) J	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Benzo(k)fluoranthene	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	07-01 09/20/01	07-02 09/20/01	11-120 09/25/01	11-140 09/28/01	20-100 09/21/01	20-101R 11/15/01	20-102 09/25/01	20-103N 09/21/01	20-105R 12/06/01	20-120 09/21/01	20-121 09/21/01
Biphenyl	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
bis(2-Chloroethoxy)methane	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
bis(2-Chloroethyl)ether	ND(1.1)	ND(1.1)	ND(1.0) [ND(1.0)]	ND(1.1) J	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.0)
bis(2-Chloroisopropyl)ether	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
bis(2-Ethylhexyl)phthalate	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	3.3 J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Butyl benzylphthalate	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Caprolactam	ND(11)	ND(11)	ND(10) [ND(10)]	ND(11) J	ND(11)	ND(10)	ND(10)	ND(11)	ND(10)	ND(10)	ND(10)
Carbazole	ND(11)	ND(11)	ND(10) [ND(10)]	ND(11) J	ND(11)	ND(10)	ND(10)	ND(11)	ND(10)	ND(10)	ND(10)
Chrysene	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Di-n-butylphthalate	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Di-n-octyl phthalate	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Dibenzo(a,h)anthracene	ND(2.2)	ND(2.2)	ND(2.0) [ND(2.0)]	ND(2.2) J	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)
Dibenzofuran	ND(4.4)	ND(4.3)	ND(4.0) [ND(4.0)]	ND(4.4) J	ND(4.2)	ND(4.0)	ND(4.0)	ND(4.2)	ND(4.0)	ND(4.0)	ND(4.0)
Diethyl phthalate	2.5 J	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	1.6 J
Dimethyl phthalate	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Fluoranthene	ND(2.2)	ND(2.2)	ND(2.0) [ND(2.0)]	ND(2.2) J	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)
Fluorene	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Hexachlorobenzene	ND(1.1)	ND(1.1)	ND(1.0) [ND(1.0)]	ND(1.1) J	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.0)
Hexachlorobutadiene	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Hexachlorocyclopentadiene	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Hexachloroethane	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Indeno(1,2,3-cd)pyrene	ND(2.2)	ND(2.2)	ND(2.0) [ND(2.0)]	ND(2.2) J	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)
Isophorone	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Methylphenols, Total	ND(11)	ND(11)	ND(10) [ND(10)]	ND(11)	ND(11)	ND(10)	ND(10)	ND(11)	ND(10)	ND(10)	ND(10)
N-Nitrosodi-n-propylamine	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
N-Nitrosodiphenylamine	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Naphthalene	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Nitrobenzene	ND(2.2)	ND(2.2)	ND(2.0) [ND(2.0)]	ND(2.2) J	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)
Pentachlorophenol	ND(22)	ND(22)	ND(20) [ND(20)]	ND(22) J	ND(21)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)
Phenanthrene	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Phenol	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Pyrene	ND(5.6)	ND(5.4)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)
Inorganics											
Antimony	NS	NS	NS	NS	ND(1.2)	ND(1.2) J	NS	ND(1.2)	0.38 J	NS	NS
Arsenic	NS	NS	NS	NS	1.7	24	NS	1.5	8.5	NS	NS
Barium	NS	NS	NS	NS	97	370 J	NS	15	340	NS	NS
Beryllium	NS	NS	NS	NS	ND(0.40)	ND(0.40) J	NS	ND(0.40)	ND(0.40)	NS	NS
Cadmium	NS	NS	NS	NS	0.041 J	ND(0.20) J	NS	ND(0.20)	0.15 J	NS	NS
Chromium	NS	NS	NS	NS	1.2	ND(0.60)	NS	2.1	1.6	NS	NS
Cobalt	NS	NS	NS	NS	0.17 J	0.91	NS	0.57	5.7	NS	NS
Copper	NS	NS	NS	NS	5.3	ND(0.60)	NS	6.1	2.5	NS	NS
Cyanide (total)	2.0 J	ND(5.0)	2.7 J [3.3 J]	1.7 J	6.3	18	5.8	1.6 J	1.4 J	76	1.4 J
Lead	NS	NS	NS	NS	0.11 J	0.62	NS	0.35 J	0.38 J	NS	NS
Manganese	NS	NS	NS	NS	9.2	420 J	NS	410	1,900(RDW)	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	07-01 09/20/01	07-02 09/20/01	11-120 09/25/01	11-140 09/28/01	20-100 09/21/01	20-101R 11/15/01	20-102 09/25/01	20-103N 09/21/01	20-105R 12/06/01	20-120 09/21/01	20-121 09/21/01
Mercury	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)	ND(0.20)	ND(0.20)	ND(0.20)
Nickel	NS	NS	NS	NS	3.3	ND(0.40)	NS	5.2	15	NS	NS
Selenium	NS	NS	NS	NS	ND(1.4)	ND(1.4)	NS	8	ND(1.4)	NS	NS
Silver	NS	NS	NS	NS	ND(0.40)	0.15 J	NS	ND(0.40)	1.5	NS	NS
Thallium	NS	NS	NS	NS	0.15 J	ND(0.20) J	NS	0.21	0.081 J	NS	NS
Vanadium	NS	NS	NS	NS	ND(0.80)	1.2	NS	1.1	ND(0.80)	NS	NS
Zinc	NS	NS	NS	NS	6.6	39 J	NS	5.9 J	10	NS	NS
Inorganics-Filtered											
Antimony	ND(1.2)	ND(1.2)	ND(1.2) [ND(1.2)]	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	1.2 J	ND(1.2)	ND(1.2)	ND(1.2)
Arsenic	1.0 J	ND(1.0)	3.1 J [2.6 J]	ND(1.0)	ND(1.0)	28	3.7 J	ND(1.0)	7	2.7 J	1.2 J
Barium	32 J	73	340 [320]	0.40 R	81	430	240	12	210	510	71
Beryllium	ND(0.40)	ND(0.40)	ND(0.40) [ND(0.40)]	ND(0.40) J	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	4.2(RDW,IDW)	ND(0.40)	ND(0.40)
Cadmium	ND(0.20)	ND(0.20)	ND(0.20) [0.21]	ND(0.20)	ND(0.20)	ND(0.20)	0.54	ND(0.20)	0.65	0.44	ND(0.20)
Chromium	ND(0.60)	ND(0.60)	0.6 [0.72]	ND(0.60) J	ND(0.60)	3.4	0.69	1	2.1	3.5	ND(0.60)
Cobalt	0.4	0.33	0.62 [0.62]	1.9	ND(0.20)	0.71	2.3	0.3	3.9	0.85	5.1
Copper	5.8	5.4	2.6 [2.0]	3.0 J	8	ND(0.60)	9.8	7.3	2	10	8.8
Cyanide (total)	2.1 J	ND(5.0)	3.5 J [3.8 J]	2.8 J	6.6	18	5.2	1.5 J	1.7 J	76	ND(5.0)
Lead	ND(0.40)	ND(0.40)	ND(0.40) [ND(0.40)]	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)
Manganese	260	370	130 J [120 J]	220	3.2	410 J	1,000 J(RDW)	380	1,200(RDW)	1.6	1,800(RDW)
Mercury	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)	ND(0.20)	ND(0.20)	ND(0.20)
Nickel	3.5	3.4	15 J [14 J]	5.3	2	ND(0.40)	11 J	3.8	9.4	13	30
Selenium	ND(1.4)	ND(1.4)	4.5 J [4.9 J]	2	9	ND(1.4)	ND(1.4)	6.9	5.3	ND(1.4)	ND(1.4)
Silver	0.41 J	ND(0.40) J	ND(0.40) [ND(0.40)]	ND(0.40) J	ND(0.40)	0.5	ND(0.40)	ND(0.40)	0.49	0.56	ND(0.40)
Thallium	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)	ND(0.20)	ND(0.20)	ND(0.20)
Vanadium	ND(0.80)	ND(0.80)	ND(0.80) [ND(0.80)]	ND(0.80)	ND(0.80)	1.2 J	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)
Zinc	100	ND(6.0)	9.2 [9.4]	81 J	10	ND(6.0)	11	19	10	24	19
PCBs											
Aroclor-1016	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.11)]	ND(0.11) J	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1221	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.11)]	ND(0.11) J	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1232	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.11)]	ND(0.11) J	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1242	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.11)]	ND(0.11) J	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1248	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.11)]	ND(0.11) J	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1254	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.11)]	ND(0.11) J	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1260	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.11)]	ND(0.11) J	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)
Total PCBs	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.11)]	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)
PCBs-Filtered											
Aroclor-1016	ND(0.11)	ND(0.11)	ND(0.10) [ND(0.11)]	ND(0.12) J	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1221	ND(0.11)	ND(0.11)	ND(0.10) [ND(0.11)]	ND(0.12) J	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1232	ND(0.11)	ND(0.11)	ND(0.10) [ND(0.11)]	ND(0.12) J	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1242	ND(0.11)	ND(0.11)	ND(0.10) [ND(0.11)]	ND(0.12) J	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1248	ND(0.11)	ND(0.11)	ND(0.10) [ND(0.11)]	ND(0.12) J	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1254	ND(0.11)	ND(0.11)	ND(0.10) [ND(0.11)]	ND(0.12) J	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1260	ND(0.11)	ND(0.11)	ND(0.10) [ND(0.11)]	ND(0.12) J	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)
Total PCBs	ND(0.11)	ND(0.11)	ND(0.10) [ND(0.11)]	ND(0.12)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	20-140 02/22/02	20-144 02/22/02	20-145 09/25/01	20-500 09/21/01	20-504 09/21/01	20-FP10 09/25/01	20-FP10 02/22/02	20-FP11 09/25/01	20-FP6 09/25/01	20-FP6 02/20/02	30-100 09/21/01	30-120 09/25/01	30-140 09/25/01
Volatiles													
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.71 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2	ND(1.0)	ND(1.0)
1,1,2,2-Tetrachloroethane	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0) J	ND(1.0) J	ND(1.0) J	ND(1.0)	ND(1.0) J	ND(1.0) J	ND(1.0)	ND(1.0) J	ND(1.0) J	ND(1.0) J
1,1,2-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	1.8	ND(1.0)	1.6	0.65 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	23	ND(1.0)	ND(1.0)
1,1-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.57 J	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-Hexanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
Acetone	ND(25)	9.8 J	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	1.6 J	ND(25)	ND(25)	ND(25)
Benzene	0.90 J	ND(1.0)	ND(1.0)	4.7	ND(1.0)	6.1(RDW,IDW)	2.2	0.69 J	0.65 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Benzene, isopropyl	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Bromodichloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Carbon disulfide	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0) J	ND(1.0) J	ND(1.0)	39	ND(1.0) J	ND(1.0) J
Chloroform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0) J	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0) J
cis-1,2-Dichloroethene	2.6	ND(1.0)	1.9	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	1.3 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Dibromochloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methyl acetate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0)	ND(5.0)	ND(5.0)	0.68 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Styrene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0) J	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0) J
Toluene	ND(1.0)	0.63 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	20-140 02/22/02	20-144 02/22/02	20-145 09/25/01	20-500 09/21/01	20-504 09/21/01	20-FP10 09/25/01	20-FP10 02/22/02	20-FP11 09/25/01	20-FP6 09/25/01	20-FP6 02/20/02	30-100 09/21/01	30-120 09/25/01	30-140 09/25/01
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	95(RDW,IDW)	ND(1.0)	1.1	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	1.9	0.77 J	3.2(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.3(RDW,IDW)	0.57 J	ND(1.0)	ND(1.0)	ND(1.0)
m&p-Xylene	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
o-Xylene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes (total)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Semivolatiles													
2,4,5-Trichlorophenol	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
2,4,6-Trichlorophenol	ND(4.0)	NS	ND(4.2)	ND(4.4)	ND(4.4)	ND(4.3)	NS	ND(4.0)	ND(4.4)	NS	ND(4.4)	ND(4.3)	ND(4.0)
2,4-Dichlorophenol	ND(10)	NS	ND(11)	ND(11)	ND(11)	ND(11)	NS	ND(10)	ND(11)	NS	ND(11)	ND(11)	ND(10)
2,4-Dimethylphenol	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
2,4-Dinitrophenol	ND(20)	NS	ND(21)	ND(22)	ND(22)	ND(22)	NS	ND(20)	ND(22)	NS	ND(22)	ND(22)	ND(20)
2,4-Dinitrotoluene	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
2,6-Dinitrotoluene	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
2-Chloronaphthalene	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
2-Chlorophenol	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
2-Methyl naphthalene	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	1.0 J	NS	ND(5.6)	ND(5.4)	ND(5.0)
2-Methylphenol	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
2-Nitroaniline	ND(20)	NS	ND(21)	ND(22)	ND(22)	ND(22)	NS	ND(20)	ND(22)	NS	ND(22)	ND(22)	ND(20)
2-Nitrophenol	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
3&4-Methylphenol	ND(10)	NS	ND(11) J	ND(11) J	ND(11) J	ND(11) J	NS	ND(10) J	ND(11) J	NS	ND(11) J	ND(11) J	ND(10) J
3,3-Dichlorobenzidine	ND(20)	NS	ND(21)	ND(22)	ND(22)	ND(22)	NS	ND(20)	ND(22)	NS	ND(22)	ND(22)	ND(20)
3-Nitroaniline	ND(20)	NS	ND(21)	ND(22)	ND(22)	ND(22)	NS	ND(20)	ND(22)	NS	ND(22)	ND(22)	ND(20)
4,6-Dinitro-2-methylphenol	ND(20)	NS	ND(21)	ND(22)	ND(22)	ND(22)	NS	ND(20)	ND(22)	NS	ND(22)	ND(22)	ND(20)
4-Bromophenyl phenyl ether	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
4-Chloro-3-methylphenol	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
4-Chloroaniline	ND(20)	NS	ND(21)	ND(22)	ND(22)	ND(22)	NS	ND(20)	ND(22)	NS	ND(22)	ND(22)	ND(20)
4-Chlorophenyl phenyl ether	ND(5.0)	NS	ND(5.3)	5.6 R	5.6 R	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	5.6 R	ND(5.4)	ND(5.0)
4-Nitroaniline	ND(20)	NS	ND(21)	ND(22)	ND(22)	ND(22)	NS	ND(20)	ND(22)	NS	ND(22)	ND(22)	ND(20)
4-Nitrophenol	ND(20)	NS	ND(21)	ND(22)	ND(22)	ND(22)	NS	ND(20)	ND(22)	NS	ND(22)	ND(22)	ND(20)
Acenaphthene	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Acenaphthylene	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Acetophenone	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Anthracene	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Atrazine	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Benzaldehyde	ND(5.0)	NS	ND(5.3)	ND(5.6) J	ND(5.6) J	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6) J	ND(5.4)	ND(5.0)
Benzo(a)anthracene	ND(1.0)	NS	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	NS	ND(1.0)	ND(1.1)	NS	ND(1.1)	ND(1.1)	ND(1.0)
Benzo(a)pyrene	ND(2.0)	NS	ND(2.1)	ND(2.2)	ND(2.2)	ND(2.2)	NS	ND(2.0)	ND(2.2)	NS	ND(2.2)	ND(2.2)	ND(2.0)
Benzo(b)fluoranthene	ND(2.0)	NS	ND(2.1)	ND(2.2)	ND(2.2)	ND(2.2)	NS	ND(2.0)	ND(2.2)	NS	ND(2.2)	ND(2.2)	ND(2.0)
Benzo(g,h,i)perylene	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Benzo(k)fluoranthene	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	20-140 02/22/02	20-144 02/22/02	20-145 09/25/01	20-500 09/21/01	20-504 09/21/01	20-FP10 09/25/01	20-FP10 02/22/02	20-FP11 09/25/01	20-FP6 09/25/01	20-FP6 02/20/02	30-100 09/21/01	30-120 09/25/01	30-140 09/25/01
Biphenyl	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
bis(2-Chloroethoxy)methane	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
bis(2-Chloroethyl)ether	ND(1.0)	NS	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	NS	ND(1.0)	ND(1.1)	NS	ND(1.1)	ND(1.1)	ND(1.0)
bis(2-Chloroisopropyl)ether	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
bis(2-Ethylhexyl)phthalate	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Butyl benzylphthalate	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Caprolactam	ND(10)	NS	ND(11)	ND(11)	ND(11)	ND(11)	NS	ND(10)	ND(11)	NS	ND(11)	ND(11)	ND(10)
Carbazole	ND(10)	NS	ND(11)	ND(11)	ND(11)	ND(11)	NS	ND(10)	ND(11)	NS	ND(11)	ND(11)	ND(10)
Chrysene	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Di-n-butylphthalate	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Di-n-octyl phthalate	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Dibenzo(a,h)anthracene	ND(2.0)	NS	ND(2.1)	ND(2.2)	ND(2.2)	ND(2.2)	NS	ND(2.0)	ND(2.2)	NS	ND(2.2)	ND(2.2)	ND(2.0)
Dibenzofuran	ND(4.0)	NS	ND(4.2)	ND(4.4)	ND(4.4)	ND(4.3)	NS	ND(4.0)	ND(4.4)	NS	ND(4.4)	ND(4.3)	ND(4.0)
Diethyl phthalate	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Dimethyl phthalate	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Fluoranthene	ND(2.0)	NS	ND(2.1)	ND(2.2)	ND(2.2)	ND(2.2)	NS	ND(2.0)	ND(2.2)	NS	ND(2.2)	ND(2.2)	ND(2.0)
Fluorene	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Hexachlorobenzene	ND(1.0)	NS	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	NS	ND(1.0)	ND(1.1)	NS	ND(1.1)	ND(1.1)	ND(1.0)
Hexachlorobutadiene	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Hexachlorocyclopentadiene	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Hexachloroethane	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Indeno(1,2,3-cd)pyrene	ND(2.0)	NS	ND(2.1)	ND(2.2)	ND(2.2)	ND(2.2)	NS	ND(2.0)	ND(2.2)	NS	ND(2.2)	ND(2.2)	ND(2.0)
Isophorone	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Methylphenols, Total	ND(10)	NS	ND(11)	ND(11)	ND(11)	ND(11)	NS	ND(10)	ND(11)	NS	ND(11)	ND(11)	ND(10)
N-Nitrosodi-n-propylamine	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
N-Nitrosodiphenylamine	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Naphthalene	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Nitrobenzene	ND(2.0)	NS	ND(2.1)	ND(2.2)	ND(2.2)	ND(2.2)	NS	ND(2.0)	ND(2.2)	NS	ND(2.2)	ND(2.2)	ND(2.0)
Pentachlorophenol	ND(20)	NS	ND(21)	ND(22)	ND(22)	ND(22)	NS	ND(20)	ND(22)	NS	ND(22)	ND(22)	ND(20)
Phenanthrene	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Phenol	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Pyrene	ND(5.0)	NS	ND(5.3)	ND(5.6)	ND(5.6)	ND(5.4)	NS	ND(5.0)	ND(5.6)	NS	ND(5.6)	ND(5.4)	ND(5.0)
Inorganics													
Antimony	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	ND(5.0)	NS	1.7 J	ND(5.0)	48	15	NS	3.5 J	1.3 J	NS	7.8	0.94 J	2.4 J
Lead	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	20-140 02/22/02	20-144 02/22/02	20-145 09/25/01	20-500 09/21/01	20-504 09/21/01	20-FP10 09/25/01	20-FP10 02/22/02	20-FP11 09/25/01	20-FP6 09/25/01	20-FP6 02/20/02	30-100 09/21/01	30-120 09/25/01	30-140 09/25/01
Mercury	ND(0.20)	NS	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	ND(0.20)	ND(0.20)	NS	ND(0.20)	ND(0.20)	ND(0.20)
Nickel	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thallium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Inorganics-Filtered													
Antimony	ND(1.2)	NS	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	NS	ND(1.2)	ND(1.2)	NS	ND(1.2)	ND(1.2)	ND(1.2)
Arsenic	2.4 J	NS	1.7	41	1.4 J	38	NS	4.5	ND(1.0)	NS	4.8	4.4	ND(1.0)
Barium	210	NS	120 J	660	64	560 J	NS	180 J	1,800 J	NS	310	120 J	370 J
Beryllium	5.6 J(RDW,IDW)	NS	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	NS	ND(0.40)	ND(0.40)	NS	ND(0.40) J	ND(0.40)	ND(0.40)
Cadmium	0.98	NS	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	ND(0.20)	ND(0.20)	NS	ND(0.20)	ND(0.20)	0.26
Chromium	19	NS	ND(0.60)	0.74	6.5	ND(0.60)	NS	0.71	ND(0.60)	NS	ND(0.60)	ND(0.60)	ND(0.60)
Cobalt	6.9	NS	0.68	0.4	0.47	2.6	NS	1.9	0.37	NS	1.3	0.88	2.2
Copper	7.4	NS	3.2	14	11	3.2	NS	8.8	2.1	NS	6.7 J	1.5	4.1
Cyanide (total)	2.3 J	NS	1.8 J	2.2 J	46	13	NS	2.4 J	ND(5.0)	NS	7.7	ND(5.0)	2.2 J
Lead	0.53	NS	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	NS	ND(0.40)	ND(0.40)	NS	ND(0.40)	ND(0.40)	ND(0.40)
Manganese	2,200(RDW)	NS	890 J(RDW)	180	1.3	180 J	NS	310 J	310 J	NS	730	780 J	2,100 J(RDW)
Mercury	ND(0.20)	NS	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	ND(0.20)	ND(0.20)	NS	ND(0.20)	ND(0.20)	ND(0.20)
Nickel	23	NS	10	9.8	6	11	NS	7.3	1.5	NS	7.5	5.4	15
Selenium	1.8 J	NS	ND(1.4)	ND(1.4)	6.1 J	ND(1.4)	NS	5.8	ND(1.4)	NS	2.0 J	ND(2.0)	ND(1.4)
Silver	0.42 J	NS	ND(0.40) J	ND(0.40)	ND(0.40)	ND(0.40) J	NS	ND(0.40) J	ND(0.40) J	NS	ND(0.40) J	ND(0.40) J	ND(0.40) J
Thallium	0.33	NS	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	ND(0.20)	ND(0.20)	NS	ND(0.20)	ND(0.20)	0.25
Vanadium	3.8 J	NS	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	NS	ND(0.80)	ND(0.80)	NS	ND(0.80)	ND(0.80)	ND(0.80)
Zinc	29	NS	55	46	12	25	NS	20	53	NS	22	7.8	12
PCBs													
Aroclor-1016	ND(0.10)	NS	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	NS	ND(0.11)	ND(0.10)	NS	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1221	ND(0.10)	NS	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	NS	ND(0.11)	ND(0.10)	NS	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1232	ND(0.10)	NS	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	NS	ND(0.11)	ND(0.10)	NS	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1242	ND(0.10)	NS	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	NS	ND(0.11)	ND(0.10)	NS	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1248	ND(0.10)	NS	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	NS	ND(0.11)	ND(0.10)	NS	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1254	ND(0.10)	NS	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	NS	ND(0.11)	ND(0.10)	NS	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1260	ND(0.10)	NS	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	NS	ND(0.11)	ND(0.10)	NS	ND(0.11)	ND(0.11)	ND(0.10)
Total PCBs	ND(0.10)	NS	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	NS	ND(0.11)	ND(0.10)	NS	ND(0.11)	ND(0.11)	ND(0.10)
PCBs-Filtered													
Aroclor-1016	ND(0.10)	NS	0.11 R	ND(0.11)	ND(0.11)	ND(0.11)	NS	ND(0.11)	ND(0.11)	NS	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1221	ND(0.10)	NS	0.11 R	ND(0.11)	ND(0.11)	ND(0.11)	NS	ND(0.11)	ND(0.11)	NS	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1232	ND(0.10)	NS	0.11 R	ND(0.11)	ND(0.11)	ND(0.11)	NS	ND(0.11)	ND(0.11)	NS	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1242	ND(0.10)	NS	0.11 R	ND(0.11)	ND(0.11)	ND(0.11)	NS	ND(0.11)	ND(0.11)	NS	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1248	ND(0.10)	NS	0.11 R	ND(0.11)	ND(0.11)	ND(0.11)	NS	ND(0.11)	ND(0.11)	NS	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1254	ND(0.10)	NS	0.11 R	ND(0.11)	ND(0.11)	ND(0.11)	NS	ND(0.11)	ND(0.11)	NS	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1260	ND(0.10)	NS	0.11 R	ND(0.11)	ND(0.11)	ND(0.11)	NS	ND(0.11)	ND(0.11)	NS	ND(0.11)	ND(0.11)	ND(0.11)
Total PCBs	ND(0.10)	NS	NS	ND(0.11)	ND(0.11)	ND(0.11)	NS	ND(0.11)	ND(0.11)	NS	ND(0.11)	ND(0.11)	ND(0.11)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	31-5 09/17/01	31-6 09/17/01	31-8 09/17/01	36-100 09/27/01	36-101 09/28/01	36-120 09/27/01	36-121 09/27/01	36-Basement 07/23/01	36-Basement 07/26/01
Volatiles									
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	950 DJ(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2,2-Tetrachloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.84 J
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) J
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	1,300 D(RDW)	5.9	ND(1.0)	ND(1.0)	15	15
1,1-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	120 D(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	10(RDW,IDW)	9.8(RDW,IDW)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	ND(25)	ND(25)	190 DJ	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-Hexanone	ND(50)	ND(50)	24 J	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	ND(50)	ND(50)	6.6 J	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
Acetone	ND(25)	ND(25)	460 DJ	ND(25)	ND(25)	0.79 J	0.80 J	ND(25)	4.7 J
Benzene	ND(1.0)	ND(1.0)	930 D(RDW,IDW)	80(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	14(RDW,IDW)	7.5(RDW,IDW)
Benzene, isopropyl	ND(5.0)	ND(5.0)	41	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Bromodichloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Carbon disulfide	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)	31	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.82 J
Chloroform	ND(1.0)	ND(1.0)	ND(1.0)	0.79 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	37	ND(1.0)	ND(1.0)	ND(1.0)	770 D(RDW,IDW)	1,000 D(RDW,IDW)
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	ND(5.0)	ND(5.0)	290 D	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Dibromochloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	1.9 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	610 D	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.57 J	ND(1.0)
Methyl acetate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0)	ND(5.0)	ND(5.0)	6.9	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	ND(1.0)	ND(1.0)	150 D	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) J	ND(5.0)
Styrene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	150 EJ(RDW,IDW)	140 D(RDW,IDW)
Toluene	ND(1.0)	ND(1.0)	540 D	1	ND(1.0)	ND(1.0)	ND(1.0)	0.53 J	ND(1.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	31-5 09/17/01	31-6 09/17/01	31-8 09/17/01	36-100 09/27/01	36-101 09/28/01	36-120 09/27/01	36-121 09/27/01	36-Basement 07/23/01	36-Basement 07/26/01
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	4.1	ND(1.0)	ND(1.0)	ND(1.0)	21	19
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	3.1	ND(1.0)	ND(1.0)	ND(1.0)	200 D(RDW,IDW)	360 D(RDW,IDW)
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	ND(1.0)	ND(1.0)	26(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	140 EJ(RIA,RDW,IDW)	140 D(RIA,RDW,IDW)
m&p-Xylene	ND(2.0)	ND(2.0)	740 D	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
o-Xylene	ND(1.0)	ND(1.0)	430 D	4	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes (total)	ND(2.0)	ND(2.0)	1200	4	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Semivolatiles									
2,4,5-Trichlorophenol	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
2,4,6-Trichlorophenol	ND(4.0)	ND(4.2)	ND(4.0)	ND(4.0)	ND(4.1)	ND(4.1)	ND(4.2)	ND(4.0)	ND(4.4)
2,4-Dichlorophenol	ND(10)	ND(11)	ND(10)	ND(10)	ND(10)	ND(10)	ND(11)	ND(10)	ND(11)
2,4-Dimethylphenol	ND(5.0)	ND(5.3)	29	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
2,4-Dinitrophenol	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20) J	ND(21)	ND(20)	ND(22)
2,4-Dinitrotoluene	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
2,6-Dinitrotoluene	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
2-Chloronaphthalene	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
2-Chlorophenol	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
2-Methyl naphthalene	ND(5.0)	ND(5.3)	11	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
2-Methylphenol	ND(5.0)	ND(5.3)	4.8 J	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
2-Nitroaniline	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(21)	ND(20)	ND(22)
2-Nitrophenol	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
3&4-Methylphenol	ND(10) J	ND(11) J	6.2 J	ND(10) J	ND(10) J	ND(10) J	ND(11) J	ND(10) J	ND(11) J
3,3-Dichlorobenzidine	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(21)	ND(20)	ND(22)
3-Nitroaniline	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(21)	ND(20)	ND(22)
4,6-Dinitro-2-methylphenol	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(21)	ND(20)	ND(22)
4-Bromophenyl phenyl ether	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
4-Chloro-3-methylphenol	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
4-Chloroaniline	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(21)	ND(20)	ND(22)
4-Chlorophenyl phenyl ether	5.0 R	5.3 R	5.0 R	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
4-Nitroaniline	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(21)	ND(20)	ND(22)
4-Nitrophenol	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(21)	ND(20)	ND(22)
Acenaphthene	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
Acenaphthylene	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
Acetophenone	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0) J	ND(5.6) J
Anthracene	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
Atrazine	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1) J	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
Benzaldehyde	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0) J	ND(5.6) J
Benzo(a)anthracene	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.1)
Benzo(a)pyrene	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.2)
Benzo(b)fluoranthene	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.2)
Benzo(g,h,i)perylene	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
Benzo(k)fluoranthene	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	31-5 09/17/01	31-6 09/17/01	31-8 09/17/01	36-100 09/27/01	36-101 09/28/01	36-120 09/27/01	36-121 09/27/01	36-Basement 07/23/01	36-Basement 07/26/01
Biphenyl	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
bis(2-Chloroethoxy)methane	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
bis(2-Chloroethyl)ether	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.1)
bis(2-Chloroisopropyl)ether	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
bis(2-Ethylhexyl)phthalate	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	0.98 J	ND(5.3)	ND(5.0)	ND(5.6)
Butyl benzylphthalate	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
Caprolactam	ND(10) J	ND(11) J	ND(10)	ND(10)	ND(10)	ND(10)	ND(11)	ND(10)	ND(11)
Carbazole	ND(10)	ND(11)	ND(10)	ND(10)	ND(10)	ND(10)	ND(11)	ND(10) J	ND(11) J
Chrysene	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
Di-n-butylphthalate	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
Di-n-octyl phthalate	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
Dibenzo(a,h)anthracene	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.2)
Dibenzofuran	ND(4.0)	ND(4.2)	ND(4.0)	ND(4.0)	ND(4.1)	ND(4.1)	ND(4.2)	ND(4.0)	ND(4.4)
Diethyl phthalate	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	1.5 J	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
Dimethyl phthalate	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
Fluoranthene	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.2)
Fluorene	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
Hexachlorobenzene	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.1)
Hexachlorobutadiene	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
Hexachlorocyclopentadiene	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
Hexachloroethane	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
Indeno(1,2,3-cd)pyrene	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.2)
Isophorone	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
Methylphenols, Total	ND(10)	ND(11)	11	ND(10)	ND(10)	ND(10)	ND(11)	ND(10)	ND(11)
N-Nitrosodi-n-propylamine	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
N-Nitrosodiphenylamine	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
Naphthalene	ND(5.0)	ND(5.3)	64	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
Nitrobenzene	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.2)
Pentachlorophenol	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)	ND(21)	ND(20)	ND(22)
Phenanthrene	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
Phenol	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
Pyrene	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.6)
Inorganics									
Antimony	NS	NS	NS	ND(1.2)	ND(1.2)	NS	NS	NS	NS
Arsenic	NS	NS	NS	21	1.4	NS	NS	NS	NS
Barium	NS	NS	NS	840	140	NS	NS	NS	NS
Beryllium	NS	NS	NS	0.54	0.37 J	NS	NS	NS	NS
Cadmium	NS	NS	NS	0.22	0.11 J	NS	NS	NS	NS
Chromium	NS	NS	NS	1	0.82 J	NS	NS	NS	NS
Cobalt	NS	NS	NS	7.8	2.1	NS	NS	NS	NS
Copper	NS	NS	NS	3.8	2	NS	NS	NS	NS
Cyanide (total)	ND(5.0)	77	3.0 J	3.5 J	1.3 J	4.6 J	ND(5.0)	ND(5.0)	NS
Lead	NS	NS	NS	0.34 J	0.38 J	NS	NS	NS	NS
Manganese	NS	NS	NS	1,600(RDW)	440	NS	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	31-5 09/17/01	31-6 09/17/01	31-8 09/17/01	36-100 09/27/01	36-101 09/28/01	36-120 09/27/01	36-121 09/27/01	36-Basement 07/23/01	36-Basement 07/26/01
Mercury	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	NS
Nickel	NS	NS	NS	82	35	NS	NS	NS	NS
Selenium	NS	NS	NS	ND(1.4)	ND(1.4)	NS	NS	NS	NS
Silver	NS	NS	NS	ND(0.40)	ND(0.40)	NS	NS	NS	NS
Thallium	NS	NS	NS	0.3	0.25	NS	NS	NS	NS
Vanadium	NS	NS	NS	ND(0.80)	ND(0.80)	NS	NS	NS	NS
Zinc	NS	NS	NS	41	30	NS	NS	NS	NS
Inorganics-Filtered									
Antimony	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
Arsenic	ND(1.0)	ND(1.0)	16	17	1.7	ND(1.0)	ND(1.0)	33 J	29
Barium	86	23	200	630	130	260	64	260 J	190 J
Beryllium	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)
Cadmium	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.67	ND(0.20)	0.042 J	ND(0.20)
Chromium	0.88	1.8	1	0.68 J	ND(0.60)	ND(0.60)	0.72	0.52 J	1.3
Cobalt	ND(0.20)	0.37	0.67	6	1.8	1	2.4	0.39 J	ND(0.20)
Copper	4.7	12	21	1.5	2.5	2.6	0.81	65 J	23
Cyanide (total)	ND(5.0)	79	3.1 J	3.3 J	ND(5.0)	2.7 J	ND(5.0)	NS	ND(5.0)
Lead	ND(0.40)	ND(0.40)	5.8(RDW,IDW)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	0.22 J	ND(0.40)
Manganese	5	4.5	160	1,500(RDW)	450 J	130 J	770	300 J	230 J
Mercury	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)
Nickel	2	0.84	4.1	60	30	10	13	10 J	7.8
Selenium	ND(1.4)	ND(1.4)	ND(1.4)	2.4 J	2.5 J	ND(2.3)	2.3 J	10 J	8.4
Silver	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40) J	ND(0.40)	ND(0.40)	ND(0.40) J
Thallium	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.26 J	ND(0.20)
Vanadium	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	2.3 J	1.5
Zinc	16	19	28	26	19 J	19	ND(6.0)	22 J	25
PCBs									
Aroclor-1016	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)
Aroclor-1221	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)
Aroclor-1232	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)
Aroclor-1242	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)
Aroclor-1248	0.16	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)
Aroclor-1254	0.13	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)
Aroclor-1260	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)
Total PCBs	0.29	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)
PCBs-Filtered									
Aroclor-1016	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1221	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1232	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1242	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1248	0.84(RDW,IDW)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1254	0.85(RDW,IDW)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1260	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Total PCBs	1.7(RDW,IDW)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	36-FP1 09/27/01	36-FP2 09/28/01	36-FP5 09/28/01	36-FP8 09/27/01	37-01 09/26/01	38-120 09/27/01	40-2 09/20/01	40-3 09/18/01	40-301 09/17/01
Volatiles									
1,1,1-Trichloroethane	140 DJ [150 DJ]	ND(1.0)	19	1.8	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2,2-Tetrachloroethane	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0) J [ND(5.0) J]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	310 DJ [320 DJ]	2.3	18	1.1	7.5	ND(1.0)	ND(1.0)	1.4	ND(1.0)
1,1-Dichloroethene	1.7 J [1.6 J]	ND(1.0)	2.6	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0) J [ND(1.0) J]	ND(1.0)	0.85 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	1.2 J [1.4 J]	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	1.0 J	6.6 J	ND(25)
2-Hexanone	ND(50) J [ND(50) J]	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	ND(50) J [ND(50) J]	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
Acetone	4.8 J [7.0 J]	ND(25)	ND(25)	ND(25)	0.78 J	0.90 J	2.1 J	12 J	ND(25)
Benzene	2,000 DJ(RDW,IDW) [1,900 DJ(RDW,IDW)]	4,000 D(RDW,IDW)	1.5	ND(1.0)	ND(1.0)	ND(1.0)	19(RDW,IDW)	160 D(RDW,IDW)	ND(1.0)
Benzene, isopropyl	ND(5.0) J [ND(5.0) J]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	46	35	ND(5.0)
Bromodichloromethane	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Carbon disulfide	ND(5.0) J [ND(5.0) J]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	52 J [60 J]	17	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroform	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	2.3 J [2.2 J]	ND(1.0)	0.59 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,3-Dichloropropene	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	ND(5.0) J [ND(5.0) J]	ND(5.0)	ND(5.0)	4.8 J	ND(5.0)	ND(5.0)	67	120 D	ND(5.0)
Dibromochloromethane	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	170 D	72	ND(1.0)
Methyl acetate	ND(5.0) J [ND(5.0) J]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	1.0 J [1.0 J]	0.79 J	3.1 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	3	ND(1.0)	ND(1.0)	15	59	ND(1.0)
Methylene chloride	ND(5.0) J [ND(5.0) J]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Styrene	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Toluene	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.2	8.8	0.65 J

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	36-FP1 09/27/01	36-FP2 09/28/01	36-FP5 09/28/01	36-FP8 09/27/01	37-01 09/26/01	38-120 09/27/01	40-2 09/20/01	40-3 09/18/01	40-301 09/17/01
trans-1,2-Dichloroethene	0.72 J [0.68 J]	0.61 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,3-Dichloropropene	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	35 DJ(RDW,IDW) [34 DJ(RDW,IDW)]	ND(1.0)	1.2	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.99 J	ND(1.0)
Trichlorofluoromethane (CFC-11)	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	3.1 J(RDW,IDW) [3.0 J(RDW,IDW)]	ND(1.0)	2.5(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
m&p-Xylene	ND(2.0) J [ND(2.0) J]	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	2.7	7.8	0.59 J
o-Xylene	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.52 J	2.5	ND(1.0)
Xylenes (total)	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	3.2	10	0.59
Semivolatiles									
2,4,5-Trichlorophenol	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	5.0 R	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
2,4,6-Trichlorophenol	ND(4.0) [ND(4.2)]	ND(4.0)	ND(4.1)	4.0 R	ND(4.7)	ND(4.2)	ND(4.0)	ND(4.2)	ND(4.2)
2,4-Dichlorophenol	ND(10) [ND(11)]	ND(10)	ND(10)	10 R	ND(12)	ND(11)	ND(10)	ND(11)	ND(11)
2,4-Dimethylphenol	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	5.0 R	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
2,4-Dinitrophenol	ND(20) J [ND(21)]	ND(20)	ND(21)	20 R	ND(24)	ND(21)	ND(20)	ND(21)	ND(21)
2,4-Dinitrotoluene	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
2,6-Dinitrotoluene	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
2-Chloronaphthalene	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
2-Chlorophenol	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	5.0 R	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
2-Methyl naphthalene	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	11	ND(5.3)
2-Methylphenol	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	5.0 R	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
2-Nitroaniline	ND(20) [ND(21)]	ND(20)	ND(21)	ND(5.0)	ND(24)	ND(21)	ND(20)	ND(21)	ND(21)
2-Nitrophenol	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	5.0 R	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
3&4-Methylphenol	ND(10) J [ND(11) J]	ND(10) J	ND(10) J	10 R	ND(12) J	ND(11) J	ND(10) J	ND(11) J	ND(11) J
3,3-Dichlorobenzidine	ND(20) [ND(21)]	ND(20)	ND(21)	ND(20)	ND(24)	ND(21)	ND(20)	ND(21)	ND(21)
3-Nitroaniline	ND(20) [ND(21)]	ND(20)	ND(21)	ND(20)	ND(24)	ND(21)	ND(20)	ND(21)	ND(21)
4,6-Dinitro-2-methylphenol	ND(20) [ND(21)]	ND(20)	ND(21)	20 R	ND(24) J	ND(21)	ND(20)	ND(21)	ND(21)
4-Bromophenyl phenyl ether	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
4-Chloro-3-methylphenol	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	5.0 R	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
4-Chloroaniline	ND(20) [ND(21)]	ND(20)	ND(21)	ND(20)	ND(24)	ND(21)	ND(20)	ND(21)	ND(21)
4-Chlorophenyl phenyl ether	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	5.0 R	5.3 R	5.3 R
4-Nitroaniline	ND(20) [ND(21)]	ND(20)	ND(21)	ND(20)	ND(24)	ND(21)	ND(20)	ND(21)	ND(21)
4-Nitrophenol	ND(20) [ND(21)]	ND(20)	ND(21)	20 R	ND(24)	ND(21)	ND(20)	ND(21)	ND(21)
Acenaphthene	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Acenaphthylene	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Acetophenone	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Anthracene	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Atrazine	ND(5.0) [ND(5.3)]	ND(5.0) J	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Benzaldehyde	ND(5.0) J [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0) J	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Benzo(a)anthracene	ND(1.0) [ND(1.1)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.1)	ND(1.0)	ND(1.1)	ND(1.1)
Benzo(a)pyrene	ND(2.0) [ND(2.1)]	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.4)	ND(2.1)	ND(2.0)	ND(2.1)	ND(2.1)
Benzo(b)fluoranthene	ND(2.0) [ND(2.1)]	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.4)	ND(2.1)	ND(2.0)	ND(2.1)	ND(2.1)
Benzo(g,h,i)perylene	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Benzo(k)fluoranthene	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	36-FP1 09/27/01	36-FP2 09/28/01	36-FP5 09/28/01	36-FP8 09/27/01	37-01 09/26/01	38-120 09/27/01	40-2 09/20/01	40-3 09/18/01	40-301 09/17/01
Biphenyl	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
bis(2-Chloroethoxy)methane	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
bis(2-Chloroethyl)ether	ND(1.0) [ND(1.1)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.1)	ND(1.0)	ND(1.1)	ND(1.1)
bis(2-Chloroisopropyl)ether	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
bis(2-Ethylhexyl)phthalate	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	1.3 J	ND(5.3)	ND(5.3)
Butyl benzylphthalate	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Caprolactam	ND(10) [ND(11)]	ND(10)	ND(10)	ND(10)	ND(12)	ND(11)	ND(10)	ND(11)	ND(11) J
Carbazole	ND(10) [ND(11)]	ND(10)	ND(10)	ND(10)	ND(12)	ND(11)	ND(10)	ND(11)	ND(11)
Chrysene	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Di-n-butylphthalate	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	2.0 J	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Di-n-octyl phthalate	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Dibenzo(a,h)anthracene	ND(2.0) [ND(2.1)]	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.4)	ND(2.1)	ND(2.0)	ND(2.1)	ND(2.1)
Dibenzofuran	ND(4.0) [ND(4.2)]	ND(4.0)	ND(4.1)	ND(4.0)	ND(4.7)	ND(4.2)	ND(4.0)	ND(4.2)	ND(4.2)
Diethyl phthalate	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Dimethyl phthalate	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Fluoranthene	ND(2.0) [ND(2.1)]	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.4)	ND(2.1)	ND(2.0)	ND(2.1)	ND(2.1)
Fluorene	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Hexachlorobenzene	ND(1.0) [ND(1.1)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.2)	ND(1.1)	ND(1.0)	ND(1.1)	ND(1.1)
Hexachlorobutadiene	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Hexachlorocyclopentadiene	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Hexachloroethane	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Indeno(1,2,3-cd)pyrene	ND(2.0) [ND(2.1)]	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.4)	ND(2.1)	ND(2.0)	ND(2.1)	ND(2.1)
Isophorone	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Methylphenols, Total	ND(10) [ND(11)]	ND(10)	ND(10)	NS	ND(12)	ND(11)	ND(10)	ND(11)	ND(11)
N-Nitrosodi-n-propylamine	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
N-Nitrosodiphenylamine	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Naphthalene	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	43	ND(5.3)
Nitrobenzene	ND(2.0) [ND(2.1)]	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.4)	ND(2.1)	ND(2.0)	ND(2.1)	ND(2.1)
Pentachlorophenol	ND(20) [ND(21)]	ND(20)	ND(21)	20 R	ND(24)	ND(21)	ND(20)	ND(21)	ND(21)
Phenanthrene	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Phenol	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	5.0 R	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Pyrene	ND(5.0) [ND(5.3)]	ND(5.0)	ND(5.1)	ND(5.0)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.3)	ND(5.3)
Inorganics									
Antimony	ND(1.2) [ND(1.2)]	ND(1.2)	NS	ND(1.2)	NS	1.4	NS	NS	NS
Arsenic	58(RDW,IDW) [58(RDW,IDW)]	170(RDW,IDW)	NS	14	NS	1.4 J	NS	NS	NS
Barium	830 [780]	670	NS	250	NS	180	NS	NS	NS
Beryllium	1 [9.0(RDW,IDW)]	0.64	NS	2.3	NS	3.2	NS	NS	NS
Cadmium	0.14 J [0.44 J]	0.17 J	NS	1.2	NS	0.28 J	NS	NS	NS
Chromium	1.1 [1.5]	1.1	NS	1.2	NS	1.7	NS	NS	NS
Cobalt	6.1 [6.5]	0.98	NS	4.2	NS	4.3	NS	NS	NS
Copper	9.6 [6.7]	2.3	NS	5	NS	2.8	NS	NS	NS
Cyanide (total)	1.6 J [1.4 J]	1.5 J	ND(5.0)	30	ND(5.0)	ND(5.0)	2.3 J	9.4	13
Lead	0.43 [0.44]	0.35 J	NS	0.51	NS	0.56	NS	NS	NS
Manganese	1,700(RDW) [2,100(RDW)]	150	NS	1,300(RDW)	NS	570	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	36-FP1 09/27/01	36-FP2 09/28/01	36-FP5 09/28/01	36-FP8 09/27/01	37-01 09/26/01	38-120 09/27/01	40-2 09/20/01	40-3 09/18/01	40-301 09/17/01
Mercury	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)	ND(0.20)
Nickel	23 [25]	17	NS	15	NS	25	NS	NS	NS
Selenium	ND(1.4) [2.0 J]	ND(1.4)	NS	ND(1.4)	NS	ND(1.4)	NS	NS	NS
Silver	ND(0.40) [0.27 J]	ND(0.40)	NS	ND(0.40)	NS	0.50 J	NS	NS	NS
Thallium	0.20 J [0.28]	0.20 J	NS	0.17 J	NS	1.9	NS	NS	NS
Vanadium	ND(0.80) [ND(0.80)]	ND(0.80)	NS	ND(0.80)	NS	ND(0.80)	NS	NS	NS
Zinc	30 [32]	30	NS	91	NS	14	NS	NS	NS
Inorganics-Filtered									
Antimony	ND(1.2) [ND(1.2)]	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	1.6
Arsenic	48 [48]	120(RDW,IDW)	ND(37)	11	12	ND(1.0)	6.1	410(RDW,IDW)	1.3
Barium	620 [630]	440	310	180	58	130	190 J	390	470
Beryllium	ND(0.40) [ND(0.40)]	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)
Cadmium	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	0.78	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
Chromium	ND(0.60) [ND(0.60)]	ND(0.60)	ND(0.60)	ND(0.60)	ND(0.60)	ND(0.60)	0.9	ND(0.60)	1.3
Cobalt	4.4 [4.4]	0.52	0.22	2.8	2	3.1	0.74	0.23	0.32
Copper	2.9 [2.5]	0.7	ND(0.60)	1.6	0.65	0.85	2.5	3.3	6.5
Cyanide (total)	1.1 J [1.7 J]	1.6 J	ND(5.0)	28	ND(5.0)	ND(5.0)	4.0 J	11	14
Lead	ND(0.40) [ND(0.40)]	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)
Manganese	1,500 J(RDW) [1,500 J(RDW)]	110 J	78	1,100 J(RDW)	1,000 J(RDW)	410	210	380	420
Mercury	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)	ND(0.20)
Nickel	16 [16]	9.6	6.4	9	7.1	24	8.9	4.5	3.5
Selenium	ND(2.8) [ND(1.9)]	ND(1.4)	2.9	5.8 J	3.1 J	ND(1.4)	4.7	3.7 J	ND(1.4)
Silver	ND(0.40) J [ND(0.40) J]	ND(0.40)	ND(0.40)	ND(0.40) J	ND(0.40) J	ND(0.40)	1.6 J	ND(0.40)	ND(0.40)
Thallium	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.89	ND(0.20)	ND(0.20)	ND(0.20)
Vanadium	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)	ND(0.80)
Zinc	42 [39]	22 J	15	11	13	11	7	20	20
PCBs									
Aroclor-1016	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1221	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1232	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1242	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1248	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1254	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1260	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)
Total PCBs	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)
PCBs-Filtered									
Aroclor-1016	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.13)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)
Aroclor-1221	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.13)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)
Aroclor-1232	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.13)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)
Aroclor-1242	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.13)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)
Aroclor-1248	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.13)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)
Aroclor-1254	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.13)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)
Aroclor-1260	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.13)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)
Total PCBs	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.13)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	40-302 09/17/01	40-303R 12/07/01	40-304 09/14/01	40-305 09/17/01	40-4R 11/21/01	40-5 09/18/01	40-6 09/18/01	43-100 09/25/01	43-101R 11/15/01	43-103 09/25/01	43-140 09/26/01
Volatiles											
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	9.8	ND(1.0)	ND(1.0)
1,1,2,2-Tetrachloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0) J	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	ND(1.0)	ND(1.0)	1.4	0.65 J	1.2	ND(1.0)	ND(1.0)	ND(1.0)	2.8	ND(1.0)	ND(1.0)
1,1-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	ND(25)	ND(25)	2.0 J	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-Hexanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
Acetone	ND(25)	7.6 J	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
Benzene	ND(1.0)	ND(1.0)	ND(1.0)	0.56 J	1,900 D(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Benzene, isopropyl	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	71	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Bromodichloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)
Carbon disulfide	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.4	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)
Chloroform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	ND(1.0)	12	36	0.75 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	250 D	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Dibromochloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	800 D(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methyl acetate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	1.2 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	180 D	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	ND(5.0)	0.82 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Styrene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Toluene	ND(1.0)	ND(1.0)	ND(1.0)	1.3	68	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	40-302 09/17/01	40-303R 12/07/01	40-304 09/14/01	40-305 09/17/01	40-4R 11/21/01	40-5 09/18/01	40-6 09/18/01	43-100 09/25/01	43-101R 11/15/01	43-103 09/25/01	43-140 09/26/01
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	2.1	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	0.57 J	ND(1.0)	4.1	0.73 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	25(RDW,IDW)
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	ND(1.0)	4.9(RDW,IDW)	5.8(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
m&p-Xylene	ND(2.0)	ND(2.0)	ND(2.0)	0.95 J	2,200 D	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
o-Xylene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	230 D	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes (total)	ND(2.0)	ND(2.0)	ND(2.0)	0.95	2400	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Semivolatiles											
2,4,5-Trichlorophenol	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
2,4,6-Trichlorophenol	ND(4.2)	ND(4.1)	ND(4.0)	ND(4.2)	ND(4.4)	ND(4.7)	ND(4.2)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.1)
2,4-Dichlorophenol	ND(11)	ND(10)	ND(10)	ND(11)	ND(11)	ND(12)	ND(11)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-Dimethylphenol	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	23	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
2,4-Dinitrophenol	ND(21)	ND(20)	ND(20)	ND(21)	ND(22)	ND(24)	ND(21) J	ND(20) J	ND(20)	ND(20)	ND(21)
2,4-Dinitrotoluene	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
2,6-Dinitrotoluene	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
2-Chloronaphthalene	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
2-Chlorophenol	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
2-Methyl naphthalene	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	53	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
2-Methylphenol	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
2-Nitroaniline	ND(21)	ND(20)	ND(20)	ND(21)	ND(22)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(21)
2-Nitrophenol	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
3&4-Methylphenol	ND(11) J	ND(10)	ND(10) J	ND(11) J	ND(11) J	ND(12) J	ND(11) J	ND(10) J	ND(10) J	ND(10) J	ND(10) J
3,3-Dichlorobenzidine	ND(21)	ND(20)	ND(20)	ND(21)	ND(22)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(21)
3-Nitroaniline	ND(21)	ND(20)	ND(20)	ND(21)	ND(22)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(21)
4,6-Dinitro-2-methylphenol	ND(21)	ND(20)	ND(20)	ND(21)	ND(22)	ND(24)	ND(21)	ND(20) J	ND(20)	ND(20)	ND(21) J
4-Bromophenyl phenyl ether	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
4-Chloro-3-methylphenol	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
4-Chloroaniline	ND(21)	ND(20)	ND(20)	ND(21)	ND(22)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(21)
4-Chlorophenyl phenyl ether	5.3 R	ND(5.1)	5.0 R	5.3 R	ND(5.6)	5.9 R	5.3 R	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
4-Nitroaniline	ND(21)	ND(20)	ND(20)	ND(21)	ND(22)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(21)
4-Nitrophenol	ND(21)	ND(20)	ND(20)	ND(21)	ND(22)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(21)
Acenaphthene	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Acenaphthylene	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Acetophenone	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Anthracene	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Atrazine	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6) J	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Benzaldehyde	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0) J	ND(5.0) J	ND(5.0)	ND(5.1)
Benzo(a)anthracene	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Benzo(a)pyrene	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.2)	ND(2.4)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)
Benzo(b)fluoranthene	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.2)	ND(2.4)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)
Benzo(g,h,i)perylene	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0) J	ND(5.0)	ND(5.1)
Benzo(k)fluoranthene	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	40-302 09/17/01	40-303R 12/07/01	40-304 09/14/01	40-305 09/17/01	40-4R 11/21/01	40-5 09/18/01	40-6 09/18/01	43-100 09/25/01	43-101R 11/15/01	43-103 09/25/01	43-140 09/26/01
Biphenyl	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
bis(2-Chloroethoxy)methane	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
bis(2-Chloroethyl)ether	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
bis(2-Chloroisopropyl)ether	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
bis(2-Ethylhexyl)phthalate	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Butyl benzylphthalate	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Caprolactam	ND(11)	ND(10)	ND(10)	ND(11) J	ND(11)	ND(12)	ND(11)	ND(10)	ND(10)	ND(10)	ND(10)
Carbazole	ND(11)	ND(10)	ND(10)	ND(11)	ND(11)	ND(12)	ND(11)	ND(10)	ND(10)	ND(10)	ND(10)
Chrysene	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Di-n-butylphthalate	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Di-n-octyl phthalate	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Dibenzo(a,h)anthracene	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.2)	ND(2.4)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)
Dibenzofuran	ND(4.2)	ND(4.1)	ND(4.0)	ND(4.2)	ND(4.4)	ND(4.7)	ND(4.2)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.1)
Diethyl phthalate	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Dimethyl phthalate	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Fluoranthene	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.2)	ND(2.4)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)
Fluorene	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Hexachlorobenzene	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.1)	ND(1.2)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Hexachlorobutadiene	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Hexachlorocyclopentadiene	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Hexachloroethane	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Indeno(1,2,3-cd)pyrene	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.2)	ND(2.4)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)
Isophorone	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Methylphenols, Total	ND(11)	ND(10)	ND(10)	ND(11)	ND(11)	ND(12)	ND(11)	ND(10)	ND(10)	ND(10)	ND(10)
N-Nitrosodi-n-propylamine	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
N-Nitrosodiphenylamine	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Naphthalene	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	89	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Nitrobenzene	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.2)	ND(2.4)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.1)
Pentachlorophenol	ND(21)	ND(20)	ND(20)	ND(21)	ND(22)	ND(24)	ND(21)	ND(20)	ND(20)	ND(20)	ND(21)
Phenanthrene	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Phenol	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	25	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Pyrene	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.3)	ND(5.6)	ND(5.9)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)
Inorganics											
Antimony	NS	0.91 J	NS	NS	ND(1.2) J	NS	NS	NS	ND(1.2) J	NS	NS
Arsenic	NS	18	NS	NS	200(RDW,IDW)	NS	NS	NS	67(RDW,IDW)	NS	NS
Barium	NS	260	NS	NS	210 J	NS	NS	NS	91 J	NS	NS
Beryllium	NS	0.13 J	NS	NS	ND(0.40) J	NS	NS	NS	ND(0.40) J	NS	NS
Cadmium	NS	0.16 J	NS	NS	ND(0.20) J	NS	NS	NS	ND(0.20) J	NS	NS
Chromium	NS	5	NS	NS	ND(1.3)	NS	NS	NS	ND(0.60)	NS	NS
Cobalt	NS	3	NS	NS	ND(1.5)	NS	NS	NS	2.8	NS	NS
Copper	NS	6.3	NS	NS	ND(3.8)	NS	NS	NS	ND(0.60)	NS	NS
Cyanide (total)	1.1 J	5.9	NS	21	ND(5.0)	1.0 J	430(RDW,IDW)	ND(5.0)	ND(5.0)	7.4	25
Lead	NS	6.6(RDW,IDW)	NS	NS	ND(2.9)	NS	NS	NS	0.56	NS	NS
Manganese	NS	130	NS	NS	620 J	NS	NS	NS	690 J	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	40-302 09/17/01	40-303R 12/07/01	40-304 09/14/01	40-305 09/17/01	40-4R 11/21/01	40-5 09/18/01	40-6 09/18/01	43-100 09/25/01	43-101R 11/15/01	43-103 09/25/01	43-140 09/26/01
Mercury	ND(0.20)	ND(0.20)	NS	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
Nickel	NS	7.8	NS	NS	ND(5.6)	NS	NS	NS	4.6	NS	NS
Selenium	NS	2.2 J	NS	NS	ND(1.8)	NS	NS	NS	ND(1.4)	NS	NS
Silver	NS	0.68	NS	NS	ND(0.40) J	NS	NS	NS	ND(0.40) J	NS	NS
Thallium	NS	0.057 J	NS	NS	ND(0.20) J	NS	NS	NS	0.22 J	NS	NS
Vanadium	NS	7.1(RDW)	NS	NS	ND(2.1)	NS	NS	NS	ND(0.80)	NS	NS
Zinc	NS	43	NS	NS	ND(26)	NS	NS	NS	ND(6.0)	NS	NS
Inorganics-Filtered											
Antimony	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(6.0)	2.9	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
Arsenic	3.2	14	9.8	6.3	170(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	84(RDW,IDW)	1.1 J	ND(1.0)
Barium	66	210	74	73	160	260	26	46 J	120	200 J	6.2
Beryllium	ND(0.40)	3	ND(0.40)	ND(0.40)	ND(2.0)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)
Cadmium	ND(0.20)	0.71	ND(0.20)	ND(0.20)	ND(1.0)	ND(0.20)	ND(0.20)	ND(0.20)	0.31	ND(0.20)	ND(0.20)
Chromium	ND(0.60)	1.4	ND(11)	ND(0.60)	ND(4.7)	9.7	ND(0.60)	ND(0.60)	ND(0.60)	ND(0.60)	ND(0.60)
Cobalt	ND(0.20)	0.92	0.4	1.1	ND(1.2)	0.97	2.3	ND(0.20)	3.2	1.2	0.97 J
Copper	27	ND(0.60)	ND(1.9)	11	ND(6.8)	11	5.1	6.8	ND(0.60)	2.5	1.5
Cyanide (total)	1.8 J	5.5	4.0 J	24	ND(5.0)	1.4 J	440 J(RDW,IDW)	ND(5.0)	ND(5.0)	6.4	24
Lead	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(2.0)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)
Manganese	130	38	440	210	460 J	53	860	ND(0.40) J	760 J	350 J	13 J
Mercury	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)	ND(0.20)	ND(0.20)
Nickel	1.8	ND(0.40)	18	3.5	ND(4.2)	37	7.4	2.2	5.9	7.2	0.95
Selenium	ND(1.4)	ND(1.4)	ND(1.4)	ND(1.4)	ND(7.0)	1.9 J	1.4	ND(1.4)	ND(1.4)	ND(1.7)	3.5 J
Silver	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(2.0)	ND(0.40)	ND(0.40) J	ND(0.40) J	ND(0.40)	ND(0.40) J	ND(0.40) J
Thallium	ND(0.20)	0.23	ND(0.20)	ND(0.20)	ND(1.0)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
Vanadium	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(4.0)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)
Zinc	7.1	24	ND(8.1)	18	ND(30)	14	20	14	ND(6.0)	11	8.2
PCBs											
Aroclor-1016	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1221	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1232	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1242	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1248	ND(0.11)	ND(0.10)	ND(0.15)	0.040 J	ND(0.10)	ND(0.11)	0.18	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1254	ND(0.11)	ND(0.10)	0.15	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1260	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)
Total PCBs	ND(0.11)	ND(0.10)	0.15	0.04	ND(0.10)	ND(0.11)	0.18	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)
PCBs-Filtered											
Aroclor-1016	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1221	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1232	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1242	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1248	ND(0.11)	ND(0.10)	ND(0.28)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1254	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1260	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Total PCBs	ND(0.11)	ND(0.10)	ND(0.28)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	43-141 09/25/01	43-166 09/26/01	43-167 09/26/01	43-168 09/27/01	43-220 09/25/01	43-242 09/25/01	55-1 09/26/01	55-2 09/26/01	55-3 09/26/01	55-4 09/26/01	55-5 09/26/01	70-100 09/24/01
Volatiles												
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.1	0.78 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2,2-Tetrachloroethane	ND(1.0)	ND(1.0) J	ND(1.0) J	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0) J	ND(1.0)
1,1,2-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	0.76 J	1.4	ND(1.0)	32	5.8	8	ND(1.0)	ND(1.0)	ND(1.0)
1,1-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	130 D(RDW,IDW)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-Hexanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
Acetone	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
Benzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	10(RDW,IDW)	0.56 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Benzene, isopropyl	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Bromodichloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0)	ND(1.0) J	ND(1.0) J	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0) J	ND(1.0)
Carbon disulfide	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	45	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.3	ND(1.0)	ND(1.0)
Chloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3.9	ND(1.0)	1.5	1.8	2.4	4.8	ND(1.0)	0.59 J
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Dibromochloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methyl acetate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.79 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
[illegible]ylcyclohexane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
[illegible]e chloride	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.53 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
[illegible]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
[illegible]	0.55 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
[illegible]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	43-141 09/25/01	43-166 09/26/01	43-167 09/26/01	43-168 09/27/01	43-220 09/25/01	43-242 09/25/01	55-1 09/26/01	55-2 09/26/01	55-3 09/26/01	55-4 09/26/01	55-5 09/26/01	70-100 09/24/01
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.51 J	1.1	ND(1.0)	ND(1.0)
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.80 J	ND(1.0)	0.94 J	0.54 J	4.3	44(RDW,IDW)	0.57 J	ND(1.0)
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	ND(1.0)	ND(1.0)	1.1	ND(1.0)	ND(1.0)	28(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	18(RDW,IDW)	3.0(RDW,IDW)
m&p-Xylene	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
o-Xylene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes (total)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Semivolatiles												
2,4,5-Trichlorophenol	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
2,4,6-Trichlorophenol	ND(4.2)	ND(4.0)	ND(4.0)	ND(4.2)	ND(4.0)	ND(4.0)	ND(4.4)	ND(4.4)	ND(4.4)	ND(4.4)	ND(4.6)	ND(4.0)
2,4-Dichlorophenol	ND(11)	ND(10)	ND(10)	ND(11)	ND(10)	ND(10)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(10)
2,4-Dimethylphenol	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
2,4-Dinitrophenol	ND(21)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(22)	ND(22)	ND(22)	ND(22)	ND(23)	ND(20) J
2,4-Dinitrotoluene	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
2,6-Dinitrotoluene	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
2-Chloronaphthalene	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
2-Chlorophenol	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
2-Methyl naphthalene	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
2-Methylphenol	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
2-Nitroaniline	ND(21)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(22)	ND(22)	ND(22)	ND(22)	ND(23)	ND(20)
2-Nitrophenol	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
3&4-Methylphenol	ND(11) J	ND(10) J	ND(10) J	ND(11) J	ND(10) J	ND(10) J	ND(11) J	ND(11) J	ND(11) J	ND(11) J	ND(11) J	ND(10) J
3,3-Dichlorobenzidine	ND(21)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(22)	ND(22)	ND(22)	ND(22)	ND(23)	ND(20)
3-Nitroaniline	ND(21)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(22)	ND(22)	ND(22)	ND(22)	ND(23)	ND(20)
4,6-Dinitro-2-methylphenol	ND(21)	ND(20) J	ND(20) J	ND(21)	ND(20)	ND(20)	ND(22) J	ND(22) J	ND(22) J	ND(22) J	ND(23) J	ND(20) J
4-Bromophenyl phenyl ether	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
4-Chloro-3-methylphenol	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
4-Chloroaniline	ND(21)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(22)	ND(22)	ND(22)	ND(22)	ND(23)	ND(20)
4-Chlorophenyl phenyl ether	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	5.0 R
4-Nitroaniline	ND(21)	ND(20)	ND(20)	ND(21) J	ND(20)	ND(20)	ND(22)	ND(22)	ND(22)	ND(22)	ND(23)	ND(20)
4-Nitrophenol	ND(21)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(22)	ND(22)	ND(22)	ND(22)	ND(23)	ND(20)
Acenaphthene	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Acenaphthylene	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Acetophenone	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Anthracene	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Atrazine	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Benzaldehyde	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0) J
Benzo(a)anthracene	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.0)
Benzo(a)pyrene	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.3)	ND(2.0)
Benzo(b)fluoranthene	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.3)	ND(2.0)
Benzo(g,h,i)perylene	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Benzo(k)fluoranthene	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	43-141 09/25/01	43-166 09/26/01	43-167 09/26/01	43-168 09/27/01	43-220 09/25/01	43-242 09/25/01	55-1 09/26/01	55-2 09/26/01	55-3 09/26/01	55-4 09/26/01	55-5 09/26/01	70-100 09/24/01
Biphenyl	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
bis(2-Chloroethoxy)methane	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
bis(2-Chloroethyl)ether	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.1)	ND(1.1)	23(RDW,IDW)	ND(1.1)	ND(1.0)
bis(2-Chloroisopropyl)ether	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
bis(2-Ethylhexyl)phthalate	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	1.6 J	ND(5.0)
Butyl benzylphthalate	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Caprolactam	ND(11)	ND(10)	ND(10)	ND(11)	ND(10)	ND(10)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(10)
Carbazole	ND(11)	ND(10)	ND(10)	ND(11) J	ND(10)	ND(10)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(10)
Chrysene	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Di-n-butylphthalate	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Di-n-octyl phthalate	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Dibenzo(a,h)anthracene	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.3)	ND(2.0)
Dibenzofuran	ND(4.2)	ND(4.0)	ND(4.0)	ND(4.2)	ND(4.0)	ND(4.0)	ND(4.4)	ND(4.4)	ND(4.4)	ND(4.4)	ND(4.6)	ND(4.0)
Diethyl phthalate	ND(5.3)	ND(5.0)	ND(5.0)	1.2 J	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Dimethyl phthalate	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Fluoranthene	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.3)	ND(2.0)
Fluorene	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Hexachlorobenzene	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.0)
Hexachlorobutadiene	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Hexachlorocyclopentadiene	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Hexachloroethane	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Indeno(1,2,3-cd)pyrene	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.3)	ND(2.0)
Isophorone	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Methylphenols, Total	ND(11)	ND(10)	ND(10)	ND(11)	ND(10)	ND(10)	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)	ND(10)
N-Nitrosodi-n-propylamine	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
N-Nitrosodiphenylamine	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Naphthalene	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Nitrobenzene	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.3)	ND(2.0)
Pentachlorophenol	ND(21)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(22)	ND(22)	ND(22)	ND(22)	ND(23)	ND(20)
Phenanthrene	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Phenol	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Pyrene	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.5)	ND(5.6)	ND(5.6)	ND(5.7)	ND(5.0)
Inorganics												
Antimony	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	1.7 J	1.2 J	2.0 J	1.6 J	ND(5.0)	1.3 J	1.9 J	4.6 J	6.6	50	ND(5.0)	1.6 J
Lead	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	43-141 09/25/01	43-166 09/26/01	43-167 09/26/01	43-168 09/27/01	43-220 09/25/01	43-242 09/25/01	55-1 09/26/01	55-2 09/26/01	55-3 09/26/01	55-4 09/26/01	55-5 09/26/01	70-100 09/24/01
Mercury	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)	ND(0.20)	ND(0.20)	ND(0.20)
Nickel	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thallium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Inorganics-Filtered												
Antimony	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(2.1)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
Arsenic	ND(1.0)	24	37	6.1	ND(1.0)	1.2	27	20	58(RDW,IDW)	1.2 J	1.8 J	9.6 J
Barium	86 J	410	400	150	96 J	260 J	240	320	100	180	180	68 J
Beryllium	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)
Cadmium	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.78	ND(0.20)	ND(0.20)	ND(0.20)	0.25	ND(0.20)	0.32 J
Chromium	ND(0.60)	ND(0.60)	ND(0.60)	ND(0.60)	ND(0.60)	ND(0.60)	ND(0.60)	0.79	1.2	4.7	ND(0.60)	0.79
Cobalt	ND(0.20)	5.9	6.1	2.5	0.8	3.3	0.31	3.9	15	7.9	ND(0.20)	0.29
Copper	3.2	1.7	0.95	3.5	11	11	ND(0.60)	5.3	7.1	2.7	ND(0.60)	1.7
Cyanide (total)	1.8 J	ND(5.0)	1.1 J	1.6 J	ND(5.0)	1.0 J	1.4 J	5.1	6.4	48	ND(5.0)	1.6 J
Lead	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)
Manganese	4.2 J	1,600(RDW)	280	1,400 J(RDW)	410 J	480 J	93 J	440	170	1,000 J(RDW)	180	150 J
Mercury	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)	ND(0.20)	ND(0.20)	ND(0.20)
Nickel	4	13	28	13	4.6	8.2	3.8	13	64	35	2.9	6.8
Selenium	ND(2.2)	ND(1.4)	2.4 J	1.8 J	ND(1.5)	4.0 J	2.4 J	1.6	2.4 J	3.9 J	ND(1.4)	2.1 J
Silver	ND(0.40) J	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40) J	ND(0.40) J	ND(0.40) J	ND(0.40)	ND(0.40)	ND(0.40) J	ND(0.40)	ND(0.40) J
Thallium	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.43	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
Vanadium	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)	ND(0.80)	ND(0.80)	ND(0.80)
Zinc	ND(6.0)	19	18	14 J	11	12	11	9.5	13	14	11	ND(6.0)
PCBs												
Aroclor-1016	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.12)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1221	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.12)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1232	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.12)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1242	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.12)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1248	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.12)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1254	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.12)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1260	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.12)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)
Total PCBs	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.12)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)
PCBs-Filtered												
Aroclor-1016	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.13)	ND(0.10)	ND(0.11)
Aroclor-1221	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.13)	ND(0.10)	ND(0.11)
Aroclor-1232	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.13)	ND(0.10)	ND(0.11)
Aroclor-1242	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0 10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.13)	ND(0.10)	ND(0.11)
Aroclor-1248	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.13)	ND(0.10)	ND(0.11)
Aroclor-1254	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.13)	ND(0.10)	ND(0.11)
Aroclor-1260	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.13)	ND(0.10)	ND(0.11)
Total PCBs	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.13)	ND(0.10)	ND(0.11)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	70-102 09/27/01	70-109 09/24/01	70-160 09/26/01	70-163 09/28/01	70-165 09/26/01	84-2 10/17/01	84-6 10/17/01	86-100 09/24/01	86-3 09/26/01	87-FP2 09/24/01
Volatiles										
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	1.2
1,1,2,2-Tetrachloroethane	ND(1.0)	ND(1.0) J	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)
1,1,2-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) J [ND(5.0) J]	ND(5.0) J	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	1.8
1,1-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	1.2 J	1.2 J	ND(25)	ND(25)	ND(25)	ND(25) [ND(25)]	ND(25)	ND(25)	ND(25)	ND(25)
2-Hexanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	ND(50)	1.0 J	ND(50)	ND(50)	ND(50)	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50)
Acetone	6.1 J	ND(25)	ND(25)	ND(25)	ND(25)	ND(25) [ND(25)]	ND(25)	ND(25)	ND(25)	ND(25)
Benzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Benzene, isopropyl	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Bromodichloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)
Carbon disulfide	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	3.2	ND(1.0)	ND(1.0) J [ND(1.0) J]	ND(1.0) J	5.2	ND(1.0)	12
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Dibromochloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methyl acetate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Styrene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Toluene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	70-102 09/27/01	70-109 09/24/01	70-160 09/26/01	70-163 09/28/01	70-165 09/26/01	84-2 10/17/01	84-6 10/17/01	86-100 09/24/01	86-3 09/26/01	87-FP2 09/24/01
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	3.6	ND(1.0)	3.3
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	2.1	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	3.8	ND(1.0)	42(RDW,IDW)
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	ND(1.0)	ND(1.0)	0.63 J	ND(1.0)	ND(1.0) [ND(1.0)]	2.1(RDW,IDW)	3.4(RDW,IDW)	ND(1.0)	2.8(RDW,IDW)
m&p-Xylene	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
o-Xylene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes (total)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Semivolatiles										
2,4,5-Trichlorophenol	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
2,4,6-Trichlorophenol	ND(4.1)	ND(4.4)	ND(4.3)	ND(4.1)	ND(4.0)	ND(4.1) [ND(4.0)]	ND(4.2)	ND(4.4)	ND(4.3)	ND(4.2)
2,4-Dichlorophenol	ND(10)	ND(11)	ND(11)	ND(10)	ND(10)	ND(10) [ND(10)]	ND(11)	ND(11)	ND(11)	ND(11)
2,4-Dimethylphenol	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
2,4-Dinitrophenol	ND(20)	ND(22)	ND(22)	ND(21)	ND(20)	ND(20) [ND(20)]	ND(21)	ND(22)	ND(21)	ND(21) J
2,4-Dinitrotoluene	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
2,6-Dinitrotoluene	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
2-Chloronaphthalene	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
2-Chlorophenol	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
2-Methyl naphthalene	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
2-Methylphenol	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
2-Nitroaniline	ND(20)	ND(22)	ND(22)	ND(21)	ND(20)	ND(20) [ND(20)]	ND(21)	ND(22)	ND(21)	ND(21)
2-Nitrophenol	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
3&4-Methylphenol	ND(10) J	ND(11) J	ND(11) J	ND(10) J	ND(10) J	ND(10) J [ND(10) J]	ND(11) J	ND(11) J	ND(11) J	ND(11)
3,3-Dichlorobenzidine	ND(20) J	ND(22)	ND(22)	ND(21)	ND(20)	ND(20) [ND(20)]	ND(21)	ND(22)	ND(21)	ND(21)
3-Nitroaniline	ND(20)	ND(22)	ND(22)	ND(21)	ND(20)	ND(20) [ND(20)]	ND(21)	ND(22)	ND(21)	ND(21)
4,6-Dinitro-2-methylphenol	ND(20)	ND(22)	ND(22) J	ND(21)	ND(20) J	ND(20) [ND(20)]	ND(21)	ND(22)	ND(21) J	ND(21) J
4-Bromophenyl phenyl ether	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
4-Chloro-3-methylphenol	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3) J
4-Chloroaniline	ND(20)	ND(22)	ND(22)	ND(21)	ND(20)	ND(20) [ND(20)]	ND(21)	ND(22)	ND(21)	ND(21)
4-Chlorophenyl phenyl ether	ND(5.1)	5.6 R	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	5.6 R	ND(5.3)	ND(5.3)
4-Nitroaniline	ND(20)	ND(22)	ND(22)	ND(21)	ND(20)	ND(20) [ND(20)]	ND(21)	ND(22)	ND(21)	ND(21)
4-Nitrophenol	ND(20)	ND(22)	ND(22)	ND(21)	ND(20)	ND(20) [ND(20)]	ND(21)	ND(22)	ND(21)	ND(21)
Acenaphthene	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Acenaphthylene	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Acetophenone	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Anthracene	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Atrazine	ND(5.1) J	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Benzaldehyde	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) J [ND(5.0) J]	ND(5.3) J	ND(5.6) J	ND(5.3)	ND(5.3) J
Benzo(a)anthracene	ND(1.0) J	ND(1.1)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Benzo(a)pyrene	ND(2.0)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.1)	ND(2.2)	ND(2.1)	ND(2.1)
Benzo(b)fluoranthene	ND(2.0)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.1)	ND(2.2)	ND(2.1)	ND(2.1)
Benzo(g,h,i)perylene	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Benzo(k)fluoranthene	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	70-102 09/27/01	70-109 09/24/01	70-160 09/26/01	70-163 09/28/01	70-165 09/26/01	84-2 10/17/01	84-6 10/17/01	86-100 09/24/01	86-3 09/26/01	87-FP2 09/24/01
Biphenyl	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
bis(2-Chloroethoxy)methane	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
bis(2-Chloroethyl)ether	ND(1.0)	ND(1.1)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
bis(2-Chloroisopropyl)ether	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
bis(2-Ethylhexyl)phthalate	ND(5.1) J	1.4 J	ND(5.4)	ND(5.1)	1.0 J	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Butyl benzylphthalate	ND(5.1) J	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Caprolactam	ND(10)	ND(11)	ND(11)	ND(10)	ND(10)	ND(10) [ND(10)]	ND(11)	ND(11)	ND(11)	ND(11)
Carbazole	ND(10)	ND(11)	ND(11)	ND(10)	ND(10)	ND(10) [ND(10)]	ND(11)	ND(11)	ND(11)	ND(11)
Chrysene	ND(5.1) J	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Di-n-butylphthalate	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	1.8 J	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Di-n-octyl phthalate	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Dibenzo(a,h)anthracene	ND(2.0)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.1)	ND(2.2)	ND(2.1)	ND(2.1)
Dibenzofuran	ND(4.1)	ND(4.4)	ND(4.3)	ND(4.1)	ND(4.0)	ND(4.1) [ND(4.0)]	ND(4.2)	ND(4.4)	ND(4.3)	ND(4.2)
Diethyl phthalate	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Dimethyl phthalate	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Fluoranthene	ND(2.0)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.1)	ND(2.2)	ND(2.1)	ND(2.1)
Fluorene	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Hexachlorobenzene	ND(1.0)	ND(1.1)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Hexachlorobutadiene	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Hexachlorocyclopentadiene	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Hexachloroethane	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Indeno(1,2,3-cd)pyrene	ND(2.0)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.1)	ND(2.2)	ND(2.1)	ND(2.1)
Isophorone	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Methylphenols, Total	ND(10)	ND(11)	ND(11)	ND(10)	ND(10)	ND(10) [ND(10)]	ND(11)	ND(11)	ND(11)	ND(11)
N-Nitrosodi-n-propylamine	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
N-Nitrosodiphenylamine	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Naphthalene	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Nitrobenzene	ND(2.0)	ND(2.2)	ND(2.2)	ND(2.1)	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.1)	ND(2.2)	ND(2.1)	ND(2.1)
Pentachlorophenol	ND(20)	ND(22)	ND(22)	ND(21)	ND(20)	ND(20) [ND(20)]	ND(21)	ND(22)	ND(21)	ND(21)
Phenanthrene	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Phenol	ND(5.1)	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Pyrene	ND(5.1) J	ND(5.6)	ND(5.4)	ND(5.1)	ND(5.0)	ND(5.1) [ND(5.0)]	ND(5.3)	ND(5.6)	ND(5.3)	ND(5.3)
Inorganics										
Antimony	ND(1.2)	NS	NS	ND(1.2)	NS	NS	NS	NS	NS	NS
Arsenic	4.6	NS	NS	10	NS	NS	NS	NS	NS	NS
Barium	85	NS	NS	68	NS	NS	NS	NS	NS	NS
Beryllium	0.75	NS	NS	2.3	NS	NS	NS	NS	NS	NS
Cadmium	ND(0.20)	NS	NS	0.44	NS	NS	NS	NS	NS	NS
Chromium	1	NS	NS	1.3	NS	NS	NS	NS	NS	NS
Cobalt	1.1	NS	NS	16	NS	NS	NS	NS	NS	NS
Copper	2.4	NS	NS	3.2	NS	NS	NS	NS	NS	NS
Cyanide (total)	ND(5.0)	100	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [1.3 J]	1.9 J	2.5 J	ND(5.0)	2.3 J
Lead	0.40 J	NS	NS	0.29 J	NS	NS	NS	NS	NS	NS
Manganese	460	NS	NS	3,200(RDW,IDW)	NS	NS	NS	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	70-102 09/27/01	70-109 09/24/01	70-160 09/26/01	70-163 09/28/01	70-165 09/26/01	84-2 10/17/01	84-6 10/17/01	86-100 09/24/01	86-3 09/26/01	87-FP2 09/24/01
Mercury	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)	ND(0.20)	ND(0.20)
Nickel	18	NS	NS	28	NS	NS	NS	NS	NS	NS
Selenium	12	NS	NS	1.5 J	NS	NS	NS	NS	NS	NS
Silver	ND(0.40)	NS	NS	ND(0.40)	NS	NS	NS	NS	NS	NS
Thallium	0.20 J	NS	NS	0.67	NS	NS	NS	NS	NS	NS
Vanadium	ND(0.80)	NS	NS	ND(0.80)	NS	NS	NS	NS	NS	NS
Zinc	65	NS	NS	16	NS	NS	NS	NS	NS	NS
Inorganics-Filtered										
Antimony	ND(2.9)	ND(1.2)	ND(1.2)	ND(1.2)	1.3	ND(1.2) [ND(1.2)]	ND(1.2)	ND(1.2)	1.3	ND(1.2)
Arsenic	2.8 J	2.4	35	ND(7.5)	1.3 J	1.6 J [1.8 J]	13	5.8	5.3 J	3.0 J
Barium	57	21	310	44	37	26 [26]	68	2,500(RDW,IDW)	260	210 J
Beryllium	ND(0.40)	ND(0.40) J	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40) [ND(0.40)]	ND(0.40)	ND(0.40) J	ND(0.40)	ND(0.40)
Cadmium	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)	0.84	ND(0.20)	ND(0.20)
Chromium	ND(0.60)	ND(0.60)	ND(0.60)	ND(0.60)	ND(0.60)	1.8 [3.4]	450(RDW,IDW)	ND(0.60)	1.9	ND(0.60)
Cobalt	0.91	0.22	0.34	10	1.1	0.22 [0.22]	20	4.9	3.5	0.57
Copper	1.2	4.2 J	ND(0.60)	ND(3.3)	5.7	3.7 [4.2]	64	50 J	1.6	2.9
Cyanide (total)	1.5 J	99	ND(5.0)	ND(5.0)	ND(5.0)	1.0 J [1.3 J]	1.6 J	3.4 J	ND(5.0)	2.5 J
Lead	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	19(RDW,IDW)	ND(0.40) [ND(0.40)]	0.83	1.3	ND(0.40)	ND(0.40)
Manganese	410 J	59	110	2,500(RDW)	720 J	8.5 [8.8]	420	1,100(RDW)	1,300(RDW)	250 J
Mercury	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)	ND(0.20)	ND(0.20)
Nickel	14	1.7	3.2	16	14	1.4 [2.3]	910(RDW,IDW)	14	19	6.9
Selenium	17	ND(1.4)	ND(1.4)	3.9 J	4.2 J	ND(1.4) [ND(1.4)]	2.1 J	ND(1.4)	1.7 J	ND(1.4)
Silver	ND(0.40) J	ND(0.40) J	ND(0.40)	ND(0.40)	ND(0.40) J	ND(0.40) [ND(0.40)]	ND(0.40)	0.40 J	ND(0.40)	ND(0.40) J
Thallium	ND(0.20)	ND(0.20)	ND(0.20)	0.21	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
Vanadium	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80) [ND(0.80)]	2	ND(0.80)	ND(0.80)	ND(0.80)
Zinc	73	6.8	26	14	13	ND(6.0) [7.2]	45	140	7.4	8.4
PCBs										
Aroclor-1016	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1221	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1232	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1242	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1248	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1254	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1260	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)
Total PCBs	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)
PCBs-Filtered										
Aroclor-1016	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1221	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1232	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1242	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1248	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1254	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1260	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Total PCBs	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	87-FP3 09/27/01	87-FP5 09/28/01	88-2 09/20/01	88-7 09/20/01	88-8 09/20/01	88-9 09/20/01	ACSP-B2A 07/16/01	ACSP-B2B 07/16/01	Basement Water 09/18/01
Volatiles									
1,1,1-Trichloroethane	1.2	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
1,1,2,2-Tetrachloroethane	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
1,1,2-Trichloroethane	3.9	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	31	1.8	ND(1.0)	1.3	1.2	2.2	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
1,1-Dichloroethene	27(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
1,2-Dichloroethane	0.73 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.85 J	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
1,2-Dichloropropane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
2-Butanone	ND(25)	2.9 J	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	0.77 J [0.73 J]
2-Hexanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50) [ND(50)]
4-Methyl-2-pentanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	1.7 J	0.35 J	ND(50) [ND(50)]
Acetone	1.1 J	ND(25)	1.3 J	0.96 J	1.5 J	2.1 J	5.1 J	ND(25) J	4.1 J [4.0 J]
Benzene	0.76 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.61 J	44(RDW,IDW)	ND(1.0)	ND(1.0) [ND(1.0)]
Benzene, isopropyl	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
Bromodichloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
Bromoform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
Bromomethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
Carbon disulfide	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
Carbon tetrachloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
Chloroethane	120 D	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
Chloroform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
Chloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
cis-1,2-Dichloroethene	450 D(RDW,IDW)	54	ND(1.0)	ND(1.0)	1.3	88 D(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
Cyclohexane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	40 J	ND(5.0)	ND(5.0) [ND(5.0)]
Dibromochloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
Dichlorodifluoromethane (CFC-12)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.50 J	ND(1.0)	ND(1.0) [ND(1.0)]
Methyl acetate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
Methyl Tert Butyl Ether	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
Methylcyclohexane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	11 J	ND(1.0)	ND(1.0) [ND(1.0)]
Methylene chloride	2.4 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) J	ND(5.0) J	ND(5.0) [ND(5.0)]
Styrene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
Tetrachloroethene	41(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
Toluene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3.9	0.37 J	ND(1.0) [ND(1.0)]

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	87-FP3 09/27/01	87-FP5 09/28/01	88-2 09/20/01	88-7 09/20/01	88-8 09/20/01	88-9 09/20/01	ACSP-B2A 07/16/01	ACSP-B2B 07/16/01	Basement Water 09/18/01
trans-1,2-Dichloroethene	16	2.2	ND(1.0)	ND(1.0)	ND(1.0)	1.6	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
Trichloroethene	2,000 D(RDW,IDW)	12(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
Vinyl chloride	280 D(RIA,RDW,IDW)	6.3(RDW,IDW)	ND(1.0)	ND(1.0)	5.2(RDW,IDW)	150 D(RIA,RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
m&p-Xylene	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	0.72 J	ND(2.0)	ND(2.0) [ND(2.0)]
o-Xylene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
Xylenes (total)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	0.72	ND(2.0)	ND(2.0) [ND(2.0)]
Semivolatiles									
2,4,5-Trichlorophenol	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
2,4,6-Trichlorophenol	ND(4.4)	ND(4.0)	ND(4.0)	ND(4.2)	ND(4.0)	ND(4.4)	ND(4.0)	ND(4.0)	ND(4.0) [ND(4.0)]
2,4-Dichlorophenol	ND(11)	ND(10)	ND(10)	ND(11)	ND(10)	ND(11)	ND(10)	ND(10)	ND(10) [ND(10)]
2,4-Dimethylphenol	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
2,4-Dinitrophenol	ND(22) J	ND(20)	ND(20) J	ND(21)	ND(20)	ND(22)	ND(20) J	ND(20) J	ND(20) J [ND(20) J]
2,4-Dinitrotoluene	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
2,6-Dinitrotoluene	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
2-Chloronaphthalene	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
2-Chlorophenol	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
2-Methyl naphthalene	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
2-Methylphenol	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
2-Nitroaniline	ND(22)	ND(20)	ND(20)	ND(21)	ND(20)	ND(22)	ND(20)	ND(20)	ND(20) [ND(20)]
2-Nitrophenol	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
3&4-Methylphenol	ND(11) J	ND(10) J	ND(10) J	ND(11) J	ND(10) J	ND(11) J	ND(10) J	ND(10) J	ND(10) J [ND(10) J]
3,3-Dichlorobenzidine	ND(22)	ND(20)	ND(20)	ND(21)	ND(20)	22 R	ND(20)	ND(20)	ND(20) J [ND(20)]
3-Nitroaniline	ND(22)	ND(20)	ND(20)	ND(21)	ND(20)	ND(22)	ND(20)	ND(20)	ND(20) [ND(20)]
4,6-Dinitro-2-methylphenol	ND(22)	ND(20)	ND(20)	ND(21)	ND(20)	ND(22)	ND(20)	ND(20)	ND(20) [ND(20)]
4-Bromophenyl phenyl ether	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
4-Chloro-3-methylphenol	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
4-Chloroaniline	ND(22)	ND(20)	ND(20)	ND(21)	ND(20)	ND(22)	ND(20)	ND(20)	ND(20) [ND(20)]
4-Chlorophenyl phenyl ether	ND(5.6)	ND(5.0)	5.0 R	5.3 R	5.0 R	5.6 R	ND(5.0) J	ND(5.0) J	5.0 R [5.0 R]
4-Nitroaniline	ND(22)	ND(20)	ND(20)	ND(21)	ND(20)	ND(22)	ND(20)	ND(20)	ND(20) [ND(20)]
4-Nitrophenol	ND(22)	ND(20)	ND(20)	ND(21)	ND(20)	ND(22)	ND(20)	ND(20)	ND(20) [ND(20) J]
Acenaphthene	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
Acenaphthylene	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
Acetophenone	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
Anthracene	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
Atrazine	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
Benzaldehyde	ND(5.6) J	ND(5.0)	ND(5.0) J	ND(5.3) J	ND(5.0) J	ND(5.6) J	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0) J]
Benzo(a)anthracene	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.0) J [ND(1.0)]
Benzo(a)pyrene	ND(2.2)	ND(2.0) J	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.0) J [0.92 J]
Benzo(b)fluoranthene	ND(2.2)	ND(2.0) J	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.0) J [0.76 J]
Benzo(g,h,i)perylene	ND(5.6)	ND(5.0) J	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) J [ND(5.0)]
Benzo(k)fluoranthene	ND(5.6)	ND(5.0) J	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) J [0.63 J]

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	87-FP3 09/27/01	87-FP5 09/28/01	88-2 09/20/01	88-7 09/20/01	88-8 09/20/01	88-9 09/20/01	ACSP-B2A 07/16/01	ACSP-B2B 07/16/01	Basement Water 09/18/01
Biphenyl	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
bis(2-Chloroethoxy)methane	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
bis(2-Chloroethyl)ether	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
bis(2-Chloroisopropyl)ether	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
bis(2-Ethylhexyl)phthalate	ND(5.6)	3.2 J	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	1.9 J	1.4 J [24 J(RDW,IDW)]
Butyl benzylphthalate	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) J [ND(5.0)]
Caprolactam	ND(11)	ND(10)	ND(10)	ND(11)	ND(10)	ND(11)	ND(10)	ND(10)	ND(10) [ND(10)]
Carbazole	ND(11)	ND(10)	ND(10)	ND(11)	ND(10)	ND(11)	ND(10)	ND(10)	ND(10) [ND(10)]
Chrysene	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) J [ND(5.0)]
Di-n-butylphthalate	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
Di-n-octyl phthalate	ND(5.6)	ND(5.0) J	ND(5.0) J	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) J [ND(5.0)]
Dibenzo(a,h)anthracene	ND(2.2)	ND(2.0) J	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.0) J [ND(2.0)]
Dibenzofuran	ND(4.4)	ND(4.0)	ND(4.0)	ND(4.2)	ND(4.0)	ND(4.4)	ND(4.0)	ND(4.0)	ND(4.0) [ND(4.0)]
Diethyl phthalate	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	1.4 J	1.6 J	1.3 J	ND(5.0) [ND(5.0)]
Dimethyl phthalate	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
Fluoranthene	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]
Fluorene	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
Hexachlorobenzene	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]
Hexachlorobutadiene	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
Hexachlorocyclopentadiene	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
Hexachloroethane	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
Indeno(1,2,3-cd)pyrene	ND(2.2)	ND(2.0) J	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.0) J [ND(2.0)]
Isophorone	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
Methylphenols, Total	ND(11)	ND(10)	ND(10)	ND(11)	ND(10)	ND(11)	ND(10)	ND(10)	ND(10) [ND(10)]
N-Nitrosodi-n-propylamine	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
N-Nitrosodiphenylamine	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
Naphthalene	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
Nitrobenzene	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]
Pentachlorophenol	ND(22)	ND(20)	ND(20)	ND(21)	ND(20)	ND(22)	ND(20)	ND(20)	ND(20) [ND(20)]
Phenanthrene	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
Phenol	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]
Pyrene	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.0) J [ND(5.0)]
Inorganics									
Antimony	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	1.9 J	2.4 J	ND(5.0)	5.8	4.0 J	9.9	NS	NS	1.8 J [ND(5.0)]
Lead	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	87-FP3 09/27/01	87-FP5 09/28/01	88-2 09/20/01	88-7 09/20/01	88-8 09/20/01	88-9 09/20/01	ACSP-B2A 07/16/01	ACSP-B2B 07/16/01	Basement Water 09/18/01
Mercury	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	NS	ND(0.20) [ND(0.20)]
Nickel	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thallium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	NS	NS	NS	NS	NS
Inorganics-Filtered									
Antimony	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	NS	NS	5.4 [5.4]
Arsenic	22	ND(3.5)	6.4	5.8	39	36	NS	NS	3.6 [3.1]
Barium	170	40	890	680	240	250	NS	NS	3.2 [0.56]
Beryllium	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	NS	NS	ND(0.40) [ND(0.40)]
Cadmium	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	NS	1.3 [0.62]
Chromium	0.93	ND(0.60)	ND(0.60)	0.75	ND(0.60)	ND(0.60)	NS	NS	4.3 [3.3]
Cobalt	1.1	0.28	0.31	1.3 J	5.3	8.7	NS	NS	4.5 [3.3]
Copper	11	ND(4.9)	4.3	43	12	5.5	NS	NS	61 [17]
Cyanide (total)	2.2 J	3.1 J	ND(5.0)	4.2 J	4.9 J	8.9	NS	NS	0.95 J [1.3 J]
Lead	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	NS	NS	7.9(RDW,IDW) [1.4]
Manganese	400 J	160	74	730	400	77	NS	NS	55 [26]
Mercury	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	NS	ND(0.20) [ND(0.20)]
Nickel	9.4	2.9	4.4	7.3	16	13	NS	NS	34 [28]
Selenium	ND(2.9)	ND(1.4)	ND(1.4)	6	2.1 J	ND(1.4)	NS	NS	ND(1.4) [ND(1.4)]
Silver	ND(0.40) J	ND(0.40)	7.7 J	6.3 J	3.1 J	3.2 J	NS	NS	ND(0.40) J [ND(0.40) J]
Thallium	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	NS	ND(0.20) [ND(0.20)]
Vanadium	ND(0.80)	1.2	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	NS	NS	2.5 [1.2]
Zinc	17	11	22	28	26	8.1	NS	NS	160 [81]
PCBs									
Aroclor-1016	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	NS	NS	ND(0.11) [ND(0.10)]
Aroclor-1221	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	NS	NS	ND(0.11) [ND(0.10)]
Aroclor-1232	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	NS	NS	ND(0.11) [ND(0.10)]
Aroclor-1242	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	NS	NS	ND(0.11) [ND(0.10)]
Aroclor-1248	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	NS	NS	ND(0.11) [0.086 J]
Aroclor-1254	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	NS	NS	ND(0.11) [ND(0.10)]
Aroclor-1260	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	NS	NS	ND(0.11) [ND(0.10)]
Total PCBs	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	NS	NS	ND(0.11) [0.086]
PCBs-Filtered									
Aroclor-1016	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	NS	NS	ND(0.10) [ND(0.11)]
Aroclor-1221	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	NS	NS	ND(0.10) [ND(0.11)]
Aroclor-1232	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	NS	NS	ND(0.10) [ND(0.11)]
Aroclor-1242	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	NS	NS	ND(0.10) [ND(0.11)]
Aroclor-1248	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	NS	NS	0.089 J [0.043 J]
Aroclor-1254	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	NS	NS	ND(0.10) [ND(0.11)]
Aroclor-1260	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	NS	NS	ND(0.10) [ND(0.11)]
Total PCBs	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	NS	NS	0.089 [0.043]

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	BD 94 EP-02 05/31/01	BD 94 EP-03 05/31/01	BD01-02 11/30/01	MW-22 02/27/02	MW-23 02/27/02	MW-24 02/28/02	RFI-02-01 05/18/01	RFI-02-02 05/18/01	RFI-02-03 05/18/01
Volatiles									
1,1,1-Trichloroethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,1,2,2-Tetrachloroethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,1,2-Trichloroethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,1-Dichloroethene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,2-Dichloroethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,2-Dichloropropane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,2-Dichlorobenzene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,3-Dichlorobenzene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,4-Dichlorobenzene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
2-Butanone	ND(25) [ND(25)]	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25) [ND(25)]	ND(25)
2-Hexanone	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50) [ND(50)]	ND(50)
4-Methyl-2-pentanone	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50) [ND(50)]	ND(50)
Acetone	ND(25) [ND(25)]	ND(25)	3.1 J	ND(25)	ND(25)	ND(25)	1.8 J	ND(25) [ND(25)]	1.4 J
Benzene	ND(1.0) [ND(1.0)]	ND(1.0)	7.8(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	0.11 J	ND(1.0) [ND(1.0)]	ND(1.0)
Benzene, isopropyl	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Bromodichloromethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Bromoform	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Bromomethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Carbon disulfide	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Carbon tetrachloride	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Chlorobenzene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Chloroethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Chloroform	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Chloromethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0) J [ND(1.0) J]	ND(1.0) J
cis-1,3-Dichloropropene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Cyclohexane	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) J	ND(5.0) J [ND(5.0) J]	ND(5.0) J
Dibromochloromethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Ethylbenzene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Methyl acetate	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Methylcyclohexane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Methylene chloride	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Styrene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Tetrachloroethene	ND(1.0) [ND(1.0)]	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Toluene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.2	0.17 J	0.13 J [0.14 J]	0.13 J

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	BD 94 EP-02 05/31/01	BD 94 EP-03 05/31/01	BD01-02 11/30/01	MW-22 02/27/02	MW-23 02/27/02	MW-24 02/28/02	RFI-02-01 05/18/01	RFI-02-02 05/18/01	RFI-02-03 05/18/01
trans-1,2-Dichloroethene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
trans-1,3-Dichloropropene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Trichloroethene	ND(1.0) J [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Trichlorofluoromethane (CFC-11)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Vinyl chloride	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
m&p-Xylene	ND(2.0) [ND(2.0)]	ND(2.0)	0.78 J	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)
o-Xylene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Xylenes (total)	ND(2.0) [ND(2.0)]	ND(2.0)	0.78	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)
Semivolatiles									
2,4,5-Trichlorophenol	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
2,4,6-Trichlorophenol	ND(5.0) [ND(5.0)]	ND(5.0)	ND(4.4)	NS	NS	NS	ND(4.0)	ND(4.0) [ND(4.0)]	ND(4.0)
2,4-Dichlorophenol	ND(5.0) [ND(5.0)]	ND(5.0)	ND(11)	NS	NS	NS	ND(10)	ND(10) [ND(10)]	ND(10)
2,4-Dimethylphenol	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
2,4-Dinitrophenol	ND(20) [ND(20)]	ND(20)	ND(22)	NS	NS	NS	ND(20)	ND(20) [ND(20)]	ND(20)
2,4-Dinitrotoluene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
2,6-Dinitrotoluene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
2-Chloronaphthalene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
2-Chlorophenol	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
2-Methyl naphthalene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
2-Methylphenol	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
2-Nitroaniline	ND(20) [ND(20)]	ND(20)	ND(22)	NS	NS	NS	ND(20)	ND(20) [ND(20)]	ND(20)
2-Nitrophenol	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
3&4-Methylphenol	ND(10) [ND(10)]	ND(10)	ND(11)	NS	NS	NS	ND(10)	ND(10) [ND(10)]	ND(10)
3,3-Dichlorobenzidine	ND(20) [ND(20)]	ND(20)	ND(22)	NS	NS	NS	ND(20)	ND(20) [ND(20)]	ND(20)
3-Nitroaniline	ND(20) [ND(20)]	ND(20)	ND(22)	NS	NS	NS	ND(20)	ND(20) [ND(20)]	ND(20)
4,6-Dinitro-2-methylphenol	ND(20) [ND(20)]	ND(20)	ND(22)	NS	NS	NS	ND(20)	ND(20) [ND(20)]	ND(20)
4-Bromophenyl phenyl ether	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
4-Chloro-3-methylphenol	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
4-Chloroaniline	ND(20) [ND(20)]	ND(20)	ND(22)	NS	NS	NS	ND(20)	ND(20) [ND(20)]	ND(20)
4-Chlorophenyl phenyl ether	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
4-Nitroaniline	ND(20) [ND(20)]	ND(20)	ND(22)	NS	NS	NS	ND(20)	ND(20) [ND(20)]	ND(20)
4-Nitrophenol	ND(20) [ND(20)]	ND(20)	ND(22)	NS	NS	NS	ND(20)	ND(20) [ND(20)]	ND(20)
Acenaphthene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Acenaphthylene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Acetophenone	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Anthracene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Atrazine	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Benzaldehyde	ND(5.0) [ND(5.0)]	ND(5.0) J	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Benzo(a)anthracene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(1.1)	NS	NS	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Benzo(a)pyrene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(2.2)	NS	NS	NS	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)
Benzo(b)fluoranthene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(2.2)	NS	NS	NS	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)
Benzo(g,h,i)perylene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Benzo(k)fluoranthene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	BD 94 EP-02 05/31/01	BD 94 EP-03 05/31/01	BD01-02 11/30/01	MW-22 02/27/02	MW-23 02/27/02	MW-24 02/28/02	RFI-02-01 05/18/01	RFI-02-02 05/18/01	RFI-02-03 05/18/01
Biphenyl	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
bis(2-Chloroethoxy)methane	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
bis(2-Chloroethyl)ether	ND(5.0) [ND(5.0)]	ND(5.0)	ND(1.1)	NS	NS	NS	ND(1.0)	ND(1.0) [0.43 J]	ND(1.0)
bis(2-Chloroisopropyl)ether	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
bis(2-Ethylhexyl)phthalate	62 J(RDW,IDW) [48(RDW,IDW)]	70(RDW,IDW)	ND(5.6)	NS	NS	NS	0.93 J	66 J(RDW,IDW) [100 D(RDW,IDW)]	27(RDW,IDW)
Butyl benzylphthalate	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Caprolactam	ND(10) [ND(10)]	ND(10)	3.4 J	NS	NS	NS	ND(10)	ND(10) [ND(10)]	ND(10)
Carbazole	ND(5.0) [ND(5.0)]	ND(5.0)	ND(11)	NS	NS	NS	ND(10)	ND(10) [ND(10)]	ND(10)
Chrysene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Di-n-butylphthalate	0.75 J [0.78 J]	0.56 J	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Di-n-octyl phthalate	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Dibenzo(a,h)anthracene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(2.2)	NS	NS	NS	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)
Dibenzofuran	ND(5.0) [ND(5.0)]	ND(5.0)	ND(4.4)	NS	NS	NS	ND(4.0)	ND(4.0) [ND(4.0)]	ND(4.0)
Diethyl phthalate	ND(5.0) [ND(5.0)]	ND(5.0)	4.6 J	NS	NS	NS	ND(5.0)	ND(5.0) [1.2 J]	ND(5.0)
Dimethyl phthalate	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Fluoranthene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(2.2)	NS	NS	NS	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)
Fluorene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Hexachlorobenzene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(1.1)	NS	NS	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Hexachlorobutadiene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Hexachlorocyclopentadiene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Hexachloroethane	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Indeno(1,2,3-cd)pyrene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(2.2)	NS	NS	NS	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)
Isophorone	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Methylphenols, Total	ND(10) [ND(10)]	ND(10)	ND(11)	NS	NS	NS	ND(10)	ND(10) [ND(10)]	ND(10)
N-Nitrosodi-n-propylamine	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
N-Nitrosodiphenylamine	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Naphthalene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Nitrobenzene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(2.2)	NS	NS	NS	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)
Pentachlorophenol	ND(5.0) [ND(5.0)]	ND(5.0)	ND(22)	NS	NS	NS	ND(20)	ND(20) [ND(20)]	ND(20)
Phenanthrene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Phenol	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Pyrene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	NS	NS	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Inorganics									
Antimony	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	NS	NS	ND(5.0)	NS	NS	NS	NS	NS	NS
Lead	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	BD 94 EP-02 05/31/01	BD 94 EP-03 05/31/01	BD01-02 11/30/01	MW-22 02/27/02	MW-23 02/27/02	MW-24 02/28/02	RFI-02-01 05/18/01	RFI-02-02 05/18/01	RFI-02-03 05/18/01
Mercury	NS	NS	ND(0.20)	NS	NS	NS	NS	NS	NS
Nickel	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thallium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	NS	NS	NS	NS	NS
Inorganics-Filtered									
Antimony	ND(1.2) [ND(1.2)]	ND(1.2)	ND(1.2)	NS	NS	NS	ND(1.2)	ND(1.2) [ND(1.2)]	ND(1.2)
Arsenic	19 [17]	29	ND(1.0)	NS	NS	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Barium	46 [43]	110	160	NS	NS	NS	59	300 [510]	56
Beryllium	ND(0.40) [ND(0.40)]	ND(0.40)	ND(0.40)	NS	NS	NS	ND(0.42)	ND(0.42) [ND(0.42)]	ND(0.42)
Cadmium	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	NS	NS	NS	0.84	0.39 [0.64]	ND(0.21)
Chromium	3.2 [1.7]	4.4	6.1	NS	NS	NS	3	3 [4.6]	2.5
Cobalt	0.83 [0.79]	3.7	0.76	NS	NS	NS	0.63	1.1 [2.1]	0.32
Copper	0.72 [0.73]	3.5	2.8	NS	NS	NS	6.2	1.8 [2.6]	1.2
Cyanide (total)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	NS	NS	NS	ND(5.0)	3.3 J [ND(5.0)]	ND(5.0)
Lead	ND(0.40) [ND(0.40)]	0.83	ND(0.40)	NS	NS	NS	0.42	ND(0.42) [ND(0.42)]	ND(0.42)
Manganese	140 [140]	410	130	NS	NS	NS	33	1,700(RDW) [3,000(RDW,IDW)]	540
Mercury	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	NS	NS	NS	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)
Nickel	3.5 [3.5]	12	5.3	NS	NS	NS	6.8	13 [22]	7.8
Selenium	ND(1.4) [ND(1.4)]	ND(1.4)	5.4	NS	NS	NS	1.7	ND(1.5) [ND(1.5)]	ND(1.5)
Silver	ND(0.40) J [ND(0.40) J]	1.9	ND(0.40)	NS	NS	NS	ND(0.42)	ND(0.42) [ND(0.42)]	ND(0.42)
Thallium	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	NS	NS	NS	ND(0.21)	ND(0.21) [ND(0.21)]	ND(0.21)
Vanadium	ND(0.80) [ND(0.80)]	4.8(RDW)	0.26 J	NS	NS	NS	1.7	7.1(RDW) [9.4(RDW)]	0.98
Zinc	ND(6.0) [ND(6.0)]	9.5	12	NS	NS	NS	8.2	15 [13]	ND(6.2)
PCBs									
Aroclor-1016	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	NS	NS	NS	ND(0.10)	ND(0.10) [ND(0.10)]	NS
Aroclor-1221	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	NS	NS	NS	ND(0.10)	ND(0.10) [ND(0.10)]	NS
Aroclor-1232	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	NS	NS	NS	ND(0.10)	ND(0.10) [ND(0.10)]	NS
Aroclor-1242	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	NS	NS	NS	ND(0.10)	ND(0.10) [ND(0.10)]	NS
Aroclor-1248	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	NS	NS	NS	ND(0.10)	ND(0.10) [ND(0.10)]	NS
Aroclor-1254	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	NS	NS	NS	ND(0.10)	ND(0.10) [ND(0.10)]	NS
Aroclor-1260	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	NS	NS	NS	ND(0.10)	ND(0.10) [ND(0.10)]	NS
Total PCBs	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	NS	NS	NS	ND(0.10)	ND(0.10) [ND(0.10)]	NS
PCBs-Filtered									
Aroclor-1016	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	NS	NS	NS	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)
Aroclor-1221	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	NS	NS	NS	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)
Aroclor-1232	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	NS	NS	NS	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)
Aroclor-1242	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	NS	NS	NS	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)
Aroclor-1248	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	NS	NS	NS	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)
Aroclor-1254	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	NS	NS	NS	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)
Aroclor-1260	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	NS	NS	NS	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)
Total PCBs	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	NS	NS	NS	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-02-03 05/25/01	RFI-02-04 05/18/01	RFI-02-05 09/18/01	RFI-02-07 09/18/01	RFI-02-08 09/19/01	RFI-03-01 09/19/01	RFI-03-02 02/26/02	RFI-03-03 09/21/01	RFI-03-04 09/21/01	RFI-04-01 06/11/01
Volatiles										
1,1,1-Trichloroethane	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	0.57 J	ND(1.0)	ND(1.0)	ND(1.0)	91 D
1,1,2,2-Tetrachloroethane	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0) J	ND(1.0)
1,1,2-Trichloroethane	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.54 J
1,2,4-Trichlorobenzene	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	1.8	1.4	ND(1.0)	ND(1.0)	ND(1.0)	260 D
1,1-Dichloroethene	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3
1,2-Dibromo-3-chloropropane (DBCP)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	NS	2.7 J	ND(25) [ND(25)]	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-Hexanone	NS	ND(50)	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	NS	ND(50)	ND(50) [ND(50)]	ND(50)	ND(50)	0.59 J	ND(50)	ND(50)	ND(50)	ND(50)
Acetone	NS	5.5 J	ND(25) [ND(25)]	ND(25)	ND(25)	ND(25)	8.0 J	ND(25)	ND(25)	ND(25)
Benzene	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Benzene, isopropyl	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Bromodichloromethane	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Carbon disulfide	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	3.3	ND(1.0)	ND(1.0)	ND(1.0)	3.5
Chloroform	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.5
Chloromethane	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	NS	ND(1.0) J	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	130 DJ(RDW,IDW)
cis-1,3-Dichloropropene	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	NS	ND(5.0) J	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Dibromochloromethane	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methyl acetate	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	1	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	NS	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Styrene	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Toluene	NS	0.27 J	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.64 J

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-02-03 05/25/01	RFI-02-04 05/18/01	RFI-02-05 09/18/01	RFI-02-07 09/18/01	RFI-02-08 09/19/01	RFI-03-01 09/19/01	RFI-03-02 02/26/02	RFI-03-03 09/21/01	RFI-03-04 09/21/01	RFI-04-01 06/11/01
trans-1,2-Dichloroethene	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	6.4
trans-1,3-Dichloropropene	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	0.58 J	2.6	ND(1.0)	ND(1.0)	59(RDW,IDW)
Trichlorofluoromethane (CFC-11)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.95 J
m&p-Xylene	NS	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
o-Xylene	NS	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes (total)	NS	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Semivolatiles										
2,4,5-Trichlorophenol	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
2,4,6-Trichlorophenol	NS	ND(4.0)	ND(4.4) [ND(4.4)]	ND(4.3)	ND(4.2)	ND(4.2)	ND(4.0)	ND(4.4)	ND(4.0)	ND(5.6)
2,4-Dichlorophenol	NS	ND(10)	ND(11) [ND(11)]	ND(11)	ND(11)	ND(11)	ND(10)	ND(11)	ND(10)	ND(5.6)
2,4-Dimethylphenol	NS	ND(5.0) J	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
2,4-Dinitrophenol	NS	ND(20)	ND(22) J [ND(22) J]	ND(22) J	ND(21)	ND(21)	ND(20)	ND(22)	ND(20)	ND(22)
2,4-Dinitrotoluene	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
2,6-Dinitrotoluene	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
2-Chloronaphthalene	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
2-Chlorophenol	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
2-Methyl naphthalene	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	0.84 J	0.60 J	ND(5.6)	ND(5.0)	ND(5.6)
2-Methylphenol	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
2-Nitroaniline	NS	ND(20)	ND(22) [ND(22)]	ND(22)	ND(21)	ND(21)	ND(20)	ND(22)	ND(20)	ND(22)
2-Nitrophenol	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
3&4-Methylphenol	NS	ND(10)	ND(11) J [ND(11) J]	ND(11) J	ND(11)	ND(11)	ND(10)	ND(11) J	ND(10) J	ND(11)
3,3-Dichlorobenzidine	NS	ND(20)	ND(22) [ND(22)]	ND(22)	ND(21)	ND(21)	ND(20)	ND(22)	ND(20)	ND(22)
3-Nitroaniline	NS	ND(20)	ND(22) [ND(22)]	ND(22)	ND(21)	ND(21)	ND(20)	ND(22)	ND(20)	ND(22)
4,6-Dinitro-2-methylphenol	NS	ND(20)	ND(22) [ND(22)]	ND(22)	ND(21)	ND(21)	ND(20)	ND(22)	ND(20)	ND(22)
4-Bromophenyl phenyl ether	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
4-Chloro-3-methylphenol	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
4-Chloroaniline	NS	ND(20)	ND(22) [ND(22)]	ND(22)	ND(21)	ND(21)	ND(20)	ND(22)	ND(20)	ND(22)
4-Chlorophenyl phenyl ether	NS	ND(5.0)	5.6 R [5.6 R]	5.4 R	5.3 R	5.3 R	ND(5.0)	5.6 R	5.0 R	ND(5.6)
4-Nitroaniline	NS	ND(20)	ND(22) [ND(22)]	ND(22)	ND(21)	ND(21)	ND(20)	ND(22)	ND(20)	ND(22)
4-Nitrophenol	NS	ND(20)	ND(22) [ND(22)]	ND(22)	ND(21)	ND(21)	ND(20)	ND(22)	ND(20)	ND(22)
Acenaphthene	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	0.61 J	ND(5.6)	ND(5.0)	ND(5.6)
Acenaphthylene	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
Acetophenone	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	0.79 J	ND(5.6)	ND(5.0)	ND(5.6)
Anthracene	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
Atrazine	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
Benzaldehyde	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	1.3 J	ND(5.6) J	ND(5.0)	ND(5.6) J
Benzo(a)anthracene	NS	ND(1.0)	ND(1.1) [ND(1.1)]	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.0)	ND(1.1)	ND(1.0)	ND(5.6)
Benzo(a)pyrene	NS	ND(2.0)	ND(2.2) [ND(2.2)]	ND(2.2)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.0)	ND(5.6)
Benzo(b)fluoranthene	NS	ND(2.0)	ND(2.2) [ND(2.2)]	ND(2.2)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.0)	ND(5.6)
Benzo(g,h,i)perylene	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
Benzo(k)fluoranthene	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-02-03 05/25/01	RFI-02-04 05/18/01	RFI-02-05 09/18/01	RFI-02-07 09/18/01	RFI-02-08 09/19/01	RFI-03-01 09/19/01	RFI-03-02 02/26/02	RFI-03-03 09/21/01	RFI-03-04 09/21/01	RFI-04-01 06/11/01
Biphenyl	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	0.76 J	ND(5.6)	ND(5.0)	ND(5.6)
bis(2-Chloroethoxy)methane	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
bis(2-Chloroethyl)ether	NS	ND(1.0)	ND(1.1) [ND(1.1)]	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.0)	ND(1.1)	ND(1.0)	ND(5.6)
bis(2-Chloroisopropyl)ether	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	0.76 J	ND(5.6)	ND(5.0)	ND(5.6)
bis(2-Ethylhexyl)phthalate	NS	330 D(RDW,IDW,GCC)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	200 D(RDW,IDW)
Butyl benzylphthalate	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
Caprolactam	NS	ND(10)	ND(11) [ND(11)]	ND(11)	ND(11)	ND(11)	ND(10)	ND(11)	ND(10)	ND(11)
Carbazole	NS	ND(10)	ND(11) [ND(11)]	ND(11)	ND(11)	ND(11)	ND(10)	ND(11)	ND(10)	ND(5.6)
Chrysene	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
Di-n-butylphthalate	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
Di-n-octyl phthalate	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
Dibenzo(a,h)anthracene	NS	ND(2.0)	ND(2.2) [ND(2.2)]	ND(2.2)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.0)	ND(5.6)
Dibenzofuran	NS	ND(4.0)	ND(4.4) [ND(4.4)]	ND(4.3)	ND(4.2)	ND(4.2)	ND(4.0)	ND(4.4)	ND(4.0)	ND(5.6)
Diethyl phthalate	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	1.2 J	ND(5.6)	ND(5.0)	ND(5.6)
Dimethyl phthalate	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
Fluoranthene	NS	ND(2.0)	ND(2.2) [ND(2.2)]	ND(2.2)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.0)	ND(5.6)
Fluorene	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	0.62 J	ND(5.6)	ND(5.0)	ND(5.6)
Hexachlorobenzene	NS	ND(1.0)	ND(1.1) [ND(1.1)]	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.0)	ND(1.1)	ND(1.0)	ND(5.6)
Hexachlorobutadiene	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
Hexachlorocyclopentadiene	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
Hexachloroethane	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
Indeno(1,2,3-cd)pyrene	NS	ND(2.0)	ND(2.2) [ND(2.2)]	ND(2.2)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.0)	ND(5.6)
Isophorone	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
Methylphenols, Total	NS	ND(10)	ND(11) [ND(11)]	ND(11)	ND(11)	ND(11)	ND(10)	ND(11)	ND(10)	ND(11)
N-Nitrosodi-n-propylamine	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
N-Nitrosodiphenylamine	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
Naphthalene	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	0.75 J	ND(5.6)	ND(5.0)	ND(5.6)
Nitrobenzene	NS	ND(2.0)	ND(2.2) [ND(2.2)]	ND(2.2)	ND(2.1)	ND(2.1)	0.63 J	ND(2.2)	ND(2.0)	ND(5.6)
Pentachlorophenol	NS	ND(20)	ND(22) [ND(22)]	ND(22)	ND(21)	ND(21)	ND(20)	ND(22)	ND(20)	ND(5.6)
Phenanthrene	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	0.84 J	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
Phenol	NS	1.1 J	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
Pyrene	NS	ND(5.0)	ND(5.6) [ND(5.6)]	ND(5.4)	ND(5.3)	ND(5.3)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.6)
Inorganics										
Antimony	NS	NS	ND(1.2) [ND(1.2)]	ND(1.2)	ND(1.2)	NS	NS	NS	NS	NS
Arsenic	NS	NS	1.7 [0.87 J,J]	2.4 J	36	NS	NS	NS	NS	NS
Barium	NS	NS	330 [270]	180	62	NS	NS	NS	NS	NS
Beryllium	NS	NS	0.20 J [3.2]	2.5	0.24 J	NS	NS	NS	NS	NS
Cadmium	NS	NS	0.056 J [0.14 J]	0.44 J	ND(0.20)	NS	NS	NS	NS	NS
Chromium	NS	NS	0.98 [1.0]	1.8	2.1	NS	NS	NS	NS	NS
Cobalt	NS	NS	0.39 [0.45]	4	2	NS	NS	NS	NS	NS
Copper	NS	NS	5 [4.7]	5.5	3.2	NS	NS	NS	NS	NS
Cyanide (total)	NS	NS	1.7 J [1.6 J]	1.2 J	ND(5.0)	ND(5.0)	7.4	1.8 J	9.8	NS
Lead	NS	NS	0.65 [0.34 J]	0.54	0.94	NS	NS	NS	NS	NS
Manganese	NS	NS	1,400(RDW) [1,500(RDW)]	3,700(RDW,IDW)	260	NS	NS	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-02-03 05/25/01	RFI-02-04 05/18/01	RFI-02-05 09/18/01	RFI-02-07 09/18/01	RFI-02-08 09/19/01	RFI-03-01 09/19/01	RFI-03-02 02/26/02	RFI-03-03 09/21/01	RFI-03-04 09/21/01	RFI-04-01 06/11/01
Mercury	NS	NS	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS
Nickel	NS	NS	5.7 [5.5]	27	9	NS	NS	NS	NS	NS
Selenium	NS	NS	ND(1.4) [0.84 J]	ND(1.4)	ND(1.4)	NS	NS	NS	NS	NS
Silver	NS	NS	ND(0.40) [ND(0.40)]	ND(0.40)	ND(0.40)	NS	NS	NS	NS	NS
Thallium	NS	NS	0.17 J [0.055 J]	0.17 J	0.17 J	NS	NS	NS	NS	NS
Vanadium	NS	NS	ND(0.80) [ND(0.80)]	ND(0.80)	2.4	NS	NS	NS	NS	NS
Zinc	NS	NS	64 [18]	13	9.1	NS	NS	NS	NS	NS
Inorganics-Filtered										
Antimony	NS	ND(1.2)	ND(1.2) [ND(1.2)]	ND(1.2)	ND(1.2)	ND(1.2)	3.2 J	ND(1.2)	ND(1.2)	ND(1.2)
Arsenic	NS	8.5	ND(1.0) [ND(1.0)]	ND(1.0)	22	11	11 B	1.7 J	90(RDW,IDW)	2.3
Barium	NS	120	210 [210]	160	39	180	74	55	630	67 J
Beryllium	NS	ND(0.42)	ND(0.40) [ND(0.40)]	ND(0.40)	ND(0.40)	ND(0.40)	43 J(RDW,IDW)	ND(0.40)	ND(0.40) J	ND(0.40)
Cadmium	NS	ND(0.21)	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	ND(0.20)	3.7 J	ND(0.20)	ND(0.20)	ND(0.20) J
Chromium	NS	4.4	1.2 [0.70]	ND(0.60)	ND(0.60)	1.1	7	ND(0.60)	ND(0.60)	8.8 J
Cobalt	NS	9.3	0.22 [0.21]	2.7	1.1	0.99	3	ND(0.20)	1.2	3.1 J
Copper	NS	1.5	ND(0.60) [6.8 J]	5	2.4	5.5	13 J	4.5	2.9 J	1.9 J
Cyanide (total)	NS	17	0.98 J [1.9 J]	1.5 J	1.1 J	ND(5.0)	7.1	1.0 J	9.9	ND(5.0)
Lead	NS	ND(0.42)	ND(0.40) [ND(0.40)]	ND(0.40)	ND(0.40)	ND(0.40)	1.0 J	ND(0.40)	ND(0.40)	ND(0.40) J
Manganese	NS	1,200(RDW)	880(RDW) [880(RDW)]	2,200(RDW)	190 J	480 J	110	210	760	470 J
Mercury	NS	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)	ND(0.20)
Nickel	NS	6.4	2.2 [2.3]	16	4.9	4.1	16	2.7	6.2	24 J
Selenium	NS	ND(1.5)	ND(1.4) [ND(1.4)]	2.3 J	ND(1.4)	ND(1.4)	190(RDW,IDW)	ND(1.4)	ND(1.4)	5.2
Silver	NS	ND(0.42)	ND(0.40) J [ND(0.40) J]	ND(0.40) J	ND(0.40) J	ND(0.40) J	2.1 J	ND(0.40)	ND(0.40) J	ND(0.40) J
Thallium	NS	ND(0.21)	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	ND(0.20)	1.9	ND(0.20)	ND(0.20)	ND(0.20) J
Vanadium	NS	ND(0.83)	ND(0.80) [ND(0.80)]	ND(0.80)	ND(0.80)	1.4	6.5(RDW)	ND(0.80)	ND(0.80)	0.83 J
Zinc	NS	11	13 [17]	10	ND(6.0)	12	32	ND(6.0)	18	ND(6.0) J
PCBs										
Aroclor-1016	ND(0.10)	ND(0.10)	ND(0.12) [ND(0.11)]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1221	ND(0.10)	ND(0.10)	ND(0.12) [ND(0.11)]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1232	ND(0.10)	ND(0.10)	ND(0.12) [ND(0.11)]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1242	ND(0.10)	ND(0.10)	ND(0.12) [ND(0.11)]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1248	ND(0.10)	ND(0.10)	0.041 J [0.15]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1254	ND(0.10)	ND(0.10)	ND(0.12) [ND(0.11)]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1260	ND(0.10)	ND(0.10)	ND(0.12) [ND(0.11)]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)
Total PCBs	ND(0.10)	ND(0.10)	0.041 [0.15]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)
PCBs-Filtered										
Aroclor-1016	NS	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1221	NS	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1232	NS	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1242	NS	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1248	NS	ND(0.10)	0.18 [0.071 J]	0.099 J	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1254	NS	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)
Aroclor-1260	NS	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)
Total PCBs	NS	ND(0.10)	0.18 [0.071]	0.099	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-04-02 07/16/01	RFI-04-03 06/08/01	RFI-04-04 06/08/01	RFI-04-120 09/17/01	RFI-05-01 09/25/01	RFI-05-02 09/20/01	RFI-05-03 09/25/01	RFI-05-04 09/19/01	RFI-05-05 09/19/01	RFI-05-06 09/25/01	RFI-05-07 09/20/01
Volatiles											
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2,2-Tetrachloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)
1,1,2-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.1	ND(1.0) [ND(1.0)]	ND(1.0)	0.86 J	0.92 J	1.3	ND(1.0)
1,1-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	ND(25)	1.0 J	ND(25)	ND(25)	ND(25)	0.59 J [ND(25)]	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-Hexanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
Acetone	ND(25) J	ND(25)	ND(25)	ND(25)	ND(25)	ND(25) [ND(25)]	ND(25)	ND(25)	ND(25)	ND(25)	0.69 J
Benzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Benzene, isopropyl	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.97 J	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Bromodichloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Carbon disulfide	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	14	ND(1.0) [ND(1.0)]	ND(1.0)	5.7	3.7	1.1	ND(1.0)
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Dibromochloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.86 J	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methyl acetate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	ND(5.0) J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Styrene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Toluene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-04-02 07/16/01	RFI-04-03 06/08/01	RFI-04-04 06/08/01	RFI-04-120 09/17/01	RFI-05-01 09/25/01	RFI-05-02 09/20/01	RFI-05-03 09/25/01	RFI-05-04 09/19/01	RFI-05-05 09/19/01	RFI-05-06 09/25/01	RFI-05-07 09/20/01
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.73 J	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	1	ND(1.0)
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	12(RDW,IDW)	1.7 [1.8]	ND(1.0)	29(RDW,IDW)	22(RDW,IDW)	0.93 J	ND(1.0)
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	6.0(RDW,IDW)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
m&p-Xylene	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	0.57 J	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
o-Xylene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes (total)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	0.57	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Semivolatiles											
2,4,5-Trichlorophenol	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
2,4,6-Trichlorophenol	ND(5.3)	ND(5.0)	ND(5.0)	ND(4.4)	ND(4.4)	ND(4.2) [ND(4.3)]	ND(4.4)	ND(4.2)	ND(4.2)	ND(4.4)	ND(4.2)
2,4-Dichlorophenol	ND(13)	ND(5.0)	ND(5.0)	ND(11)	ND(11)	ND(11) [ND(11)]	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)
2,4-Dimethylphenol	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
2,4-Dinitrophenol	ND(27)	ND(20)	ND(20)	ND(22) J	ND(22)	ND(21) J [ND(22) J]	ND(22)	ND(21)	ND(21)	ND(22)	ND(21) J
2,4-Dinitrotoluene	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
2,6-Dinitrotoluene	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
2-Chloronaphthalene	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
2-Chlorophenol	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
2-Methyl naphthalene	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
2-Methylphenol	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
2-Nitroaniline	ND(27)	ND(20)	ND(20)	ND(22)	ND(22)	ND(21) [ND(22)]	ND(22)	ND(21)	ND(21)	ND(22)	ND(21)
2-Nitrophenol	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
3&4-Methylphenol	ND(13) J	ND(10)	ND(10)	ND(11) J	ND(11)	ND(11) [ND(11)]	ND(11)	ND(11)	ND(11)	ND(11)	ND(11) J
3,3-Dichlorobenzidine	ND(27)	ND(20)	ND(20)	ND(22)	ND(22)	ND(21) [ND(22)]	ND(22)	ND(21)	ND(21)	ND(22)	ND(21)
3-Nitroaniline	ND(27)	ND(20)	ND(20)	ND(22)	ND(22)	ND(21) [ND(22)]	ND(22)	ND(21)	ND(21)	ND(22)	ND(21)
4,6-Dinitro-2-methylphenol	ND(27)	ND(20)	ND(20)	ND(22)	ND(22)	ND(21) [ND(22)]	ND(22)	ND(21)	ND(21)	ND(22)	ND(21)
4-Bromophenyl phenyl ether	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
4-Chloro-3-methylphenol	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
4-Chloroaniline	ND(27)	ND(20)	ND(20)	ND(22)	ND(22)	ND(21) [ND(22)]	ND(22)	ND(21)	ND(21)	ND(22)	ND(21)
4-Chlorophenyl phenyl ether	ND(6.7) J	ND(5.0)	ND(5.0)	5.6 R	ND(5.6)	5.3 R [5.4 R]	ND(5.6)	5.3 R	5.3 R	ND(5.5)	5.3 R
4-Nitroaniline	ND(27)	ND(20)	ND(20)	ND(22)	ND(22)	ND(21) [ND(22)]	ND(22)	ND(21)	ND(21)	ND(22)	ND(21)
4-Nitrophenol	ND(27)	ND(20)	ND(20)	ND(22)	ND(22)	ND(21) [ND(22)]	ND(22)	ND(21)	ND(21)	ND(22)	ND(21) J
Acenaphthene	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	12	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Acenaphthylene	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Acetophenone	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Anthracene	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Atrazine	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Benzaldehyde	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3) J
Benzo(a)anthracene	ND(1.3)	ND(5.0)	ND(5.0)	ND(1.1)	ND(1.1)	ND(1.1) [ND(1.1)]	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Benzo(a)pyrene	ND(2.7)	ND(5.0)	ND(5.0)	ND(2.2)	ND(2.2)	ND(2.1) [ND(2.2)]	ND(2.2)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2.1)
Benzo(b)fluoranthene	ND(2.7)	ND(5.0)	ND(5.0)	ND(2.2)	ND(2.2)	ND(2.1) [ND(2.2)]	ND(2.2)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2.1)
Benzo(g,h,i)perylene	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Benzo(k)fluoranthene	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-04-02 07/16/01	RFI-04-03 06/08/01	RFI-04-04 06/08/01	RFI-04-120 09/17/01	RFI-05-01 09/25/01	RFI-05-02 09/20/01	RFI-05-03 09/25/01	RFI-05-04 09/19/01	RFI-05-05 09/19/01	RFI-05-06 09/25/01	RFI-05-07 09/20/01
Biphenyl	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
bis(2-Chloroethoxy)methane	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
bis(2-Chloroethyl)ether	ND(1.3)	ND(5.0)	ND(5.0)	ND(1.1)	ND(1.1)	ND(1.1) [ND(1.1)]	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
bis(2-Chloroisopropyl)ether	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
bis(2-Ethylhexyl)phthalate	29(RDW,IDW)	ND(37)	1.6 J	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Butyl benzylphthalate	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Caprolactam	ND(13)	ND(10)	ND(10)	ND(11) J	ND(11)	ND(11) [ND(11)]	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)
Carbazole	ND(13)	ND(5.0)	ND(5.0)	ND(11)	ND(11)	ND(11) [ND(11)]	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)
Chrysene	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Di-n-butylphthalate	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Di-n-octyl phthalate	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3) J
Dibenzo(a,h)anthracene	ND(2.7)	ND(5.0)	ND(5.0)	ND(2.2)	ND(2.2)	ND(2.1) [ND(2.2)]	ND(2.2)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2.1)
Dibenzofuran	ND(5.3)	ND(5.0)	ND(5.0)	ND(4.4)	2.7 J	ND(4.2) [ND(4.3)]	ND(4.4)	ND(4.2)	ND(4.2)	ND(4.4)	ND(4.2)
Diethyl phthalate	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Dimethyl phthalate	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Fluoranthene	ND(2.7)	ND(5.0)	ND(5.0)	ND(2.2)	ND(2.2)	ND(2.1) [ND(2.2)]	ND(2.2)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2.1)
Fluorene	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Hexachlorobenzene	ND(1.3)	ND(5.0)	ND(5.0)	ND(1.1)	ND(1.1)	ND(1.1) [ND(1.1)]	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
Hexachlorobutadiene	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Hexachlorocyclopentadiene	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Hexachloroethane	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Indeno(1,2,3-cd)pyrene	ND(2.7)	ND(5.0)	ND(5.0)	ND(2.2)	ND(2.2)	ND(2.1) [ND(2.2)]	ND(2.2)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2.1)
Isophorone	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Methylphenols, Total	ND(13)	ND(10)	ND(10)	ND(11)	ND(11)	ND(11) [ND(11)]	ND(11)	ND(11)	ND(11)	ND(11)	ND(11)
N-Nitrosodi-n-propylamine	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
N-Nitrosodiphenylamine	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Naphthalene	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	1.4 J	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Nitrobenzene	ND(2.7)	ND(5.0)	ND(5.0)	ND(2.2)	ND(2.2)	ND(2.1) [ND(2.2)]	ND(2.2)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2.1)
Pentachlorophenol	ND(27)	ND(5.0)	ND(5.0)	ND(22)	ND(22)	ND(21) [ND(22)]	ND(22)	ND(21)	ND(21)	ND(22)	ND(21)
Phenanthrene	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Phenol	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Pyrene	ND(6.7)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.3) [ND(5.4)]	ND(5.6)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.3)
Inorganics											
Antimony	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	NS	NS	NS	ND(5.0)	1.4 J	2.4 J [1.6 J]	7.9	2.1 J	ND(5.0)	2.6 J	0.95 J
Lead	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-04-02 07/16/01	RFI-04-03 06/08/01	RFI-04-04 06/08/01	RFI-04-120 09/17/01	RFI-05-01 09/25/01	RFI-05-02 09/20/01	RFI-05-03 09/25/01	RFI-05-04 09/19/01	RFI-05-05 09/19/01	RFI-05-06 09/25/01	RFI-05-07 09/20/01
Mercury	NS	NS	NS	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)
Nickel	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thallium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Inorganics-Filtered											
Antimony	5.0 J	ND(1.4)	ND(1.4)	ND(1.2)	ND(1.2)	ND(1.2) [ND(1.2)]	2.2	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
Arsenic	1.3	3.1	1.2 J	3.8	18	ND(1.0) [1.0 J]	6.9	ND(1.0)	4.7	24	ND(1.0)
Barium	52	68 J	51	50	120	190 [200]	120	58	88	460	88
Beryllium	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40) [ND(0.40)]	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)
Cadmium	ND(0.20)	ND(0.20) J	ND(0.20) J	ND(0.20)	ND(0.20)	0.38 [0.39]	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
Chromium	0.65	3.9 J	3.8 J	ND(0.60)	ND(0.60)	ND(0.60) [0.76 J]	ND(0.60)	ND(0.60)	1.6	0.67	ND(0.60)
Cobalt	1	0.72 J	0.21 J	1.8	2.3	8.5 [8.8]	2.2	4.4	2	3	0.8
Copper	6.8 J	1.4 J	1.4 J	5	7.9	6.6 [9.7]	4.8	2.8	2.9	1.6	5.6
Cyanide (total)	ND(5.0)	16	ND(5.0)	ND(5.0)	1.7 J	2.2 J [1.6 J]	6.5	2.9 J	ND(5.0)	2.3 J	1.2 J
Lead	ND(0.43)	ND(0.40) J	ND(0.40) J	ND(0.40)	1.1	ND(0.40) [ND(0.40)]	ND(0.40)	0.54	ND(0.40)	ND(0.40)	ND(0.40)
Manganese	160	110	63 J	150	900 J(RDW)	1,200 J(RDW) [1,300 J(RDW)]	630 J	530 J	700 J	240 J	270
Mercury	ND(0.20) J	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)	ND(0.20)	ND(0.20)
Nickel	6.5	3.1 J	3.2 J	7.1	33 J	52 [54]	6.9 J	6.7	15	13 J	4.5
Selenium	5	ND(1.4)	6.2	ND(1.4)	1.6 J	ND(1.4) [1.5 J]	ND(1.4)	6.7	ND(1.4)	ND(1.4)	1.8 J
Silver	ND(0.40) J	ND(0.40) J	ND(0.40) J	ND(0.40)	ND(0.40)	ND(0.40) J [ND(0.40) J]	ND(0.40)	ND(0.40) J	ND(0.40) J	ND(0.40)	ND(0.61) J
Thallium	ND(0.97)	ND(0.20) J	ND(0.20) J	ND(0.20)	ND(0.20)	0.87 [0.89]	ND(0.20)	ND(0.20)	ND(0.20)	0.3	ND(0.20)
Vanadium	ND(0.80)	3.3 J	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)	ND(0.80)
Zinc	7.9 J	6.4 J	ND(6.0) J	7.3	13	8.3 [12]	6.1	ND(6.0)	ND(6.0)	13	ND(6.0)
PCBs											
Aroclor-1016	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1221	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1232	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1242	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1248	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1254	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1260	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
Total PCBs	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
PCBs-Filtered											
Aroclor-1016	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1221	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1232	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1242	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1248	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1254	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1260	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)
Total PCBs	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11) [ND(0.11)]	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-05-10 09/19/01	RFI-05-12 09/20/01	RFI-05-19DR 12/11/01	RFI-05-19S 09/25/01	RFI-05-20 09/25/01	RFI-05-21 09/25/01	RFI-05-30 02/19/02	RFI-07-02 06/19/01	RFI-07-03 09/25/01	RFI-07-04 06/14/01
Volatiles										
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	3.1	ND(1.0)	ND(1.0)
1,1,2,2-Tetrachloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	0.69 J	ND(1.0)	ND(1.0)
1,1-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	0.57 J	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25) [ND(25)]	ND(25)	5.2 J	ND(25)	ND(25)
2-Hexanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50)
Acetone	ND(25)	0.87 J	ND(25)	ND(25)	ND(25)	ND(25) [ND(25)]	2.0 J	7.7 J	ND(25)	1.4 J
Benzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Benzene, isopropyl	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	2.4 J	ND(5.0)	ND(5.0)
Bromodichloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Carbon disulfide	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	ND(1.0)	0.52 J	81(RDW,IDW)	1.5	1.2 [0.66 J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Dibromochloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	0.65 J	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	1.6	ND(1.0)	ND(1.0)
Methyl acetate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Styrene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.64 J	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Toluene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	1.6	ND(1.0)	ND(1.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-05-10 09/19/01	RFI-05-12 09/20/01	RFI-05-19DR 12/11/01	RFI-05-19S 09/25/01	RFI-05-20 09/25/01	RFI-05-21 09/25/01	RFI-05-30 02/19/02	RFI-07-02 06/19/01	RFI-07-03 09/25/01	RFI-07-04 06/14/01
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	1.3	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)	4.7	24(RDW,IDW)	230 D(RDW,IDW)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	ND(1.0)	ND(1.0)	19(RDW,IDW)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
m&p-Xylene	ND(2.0)	ND(2.0)	2.5	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)	26	ND(2.0)	ND(2.0)
o-Xylene	ND(1.0)	ND(1.0)	1.7	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	35	ND(1.0)	ND(1.0)
Xylenes (total)	ND(2.0)	ND(2.0)	4.2	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)	61	ND(2.0)	ND(2.0)
Semivolatiles										
2,4,5-Trichlorophenol	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
2,4,6-Trichlorophenol	ND(4.0)	ND(4.2)	ND(4.2)	ND(4.4)	ND(4.3)	ND(4.0) [ND(4.0)]	NS	2.1 J	ND(4.4)	ND(5.0)
2,4-Dichlorophenol	ND(10)	ND(11)	ND(11)	ND(11)	ND(11)	ND(10) [ND(10)]	NS	ND(10)	ND(11)	ND(5.0)
2,4-Dimethylphenol	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
2,4-Dinitrophenol	ND(20)	ND(21) J	ND(21)	ND(22)	ND(22)	ND(20) [ND(20)]	NS	ND(20)	ND(22)	ND(20) J
2,4-Dinitrotoluene	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
2,6-Dinitrotoluene	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
2-Chloronaphthalene	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
2-Chlorophenol	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	2.0 J	ND(5.6)	ND(5.0)
2-Methyl naphthalene	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	1.2 J	ND(5.6)	ND(5.0)
2-Methylphenol	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	3.3 J	ND(5.6)	ND(5.0)
2-Nitroaniline	ND(20)	ND(21)	ND(21)	ND(22)	ND(22)	ND(20) [ND(20)]	NS	ND(20)	ND(22)	ND(20)
2-Nitrophenol	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
3&4-Methylphenol	ND(10)	ND(11) J	ND(11)	ND(11)	ND(11)	ND(10) [ND(10)]	NS	ND(10)	ND(11) J	ND(10)
3,3-Dichlorobenzidine	ND(20)	ND(21)	ND(21)	ND(22)	ND(22)	ND(20) [ND(20)]	NS	ND(20) J	ND(22)	ND(20) J
3-Nitroaniline	ND(20)	ND(21)	ND(21)	ND(22)	ND(22)	ND(20) [ND(20)]	NS	ND(20)	ND(22)	ND(20)
4,6-Dinitro-2-methylphenol	ND(20)	ND(21)	ND(21)	ND(22)	ND(22)	ND(20) [ND(20)]	NS	ND(20)	ND(22)	ND(20)
4-Bromophenyl phenyl ether	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
4-Chloro-3-methylphenol	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
4-Chloroaniline	ND(20)	ND(21)	ND(21)	ND(22)	ND(22)	ND(20) [ND(20)]	NS	ND(20)	ND(22)	ND(20)
4-Chlorophenyl phenyl ether	5.0 R	5.3 R	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
4-Nitroaniline	ND(20)	ND(21)	ND(21)	ND(22)	ND(22)	ND(20) [ND(20)]	NS	ND(20)	ND(22) J	ND(20)
4-Nitrophenol	ND(20)	ND(21)	ND(21)	ND(22)	ND(22)	ND(20) [ND(20)]	NS	ND(20)	ND(22)	ND(20)
Acenaphthene	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
Acenaphthylene	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
Acetophenone	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	31	ND(5.6)	ND(5.0)
Anthracene	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
Atrazine	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
Benzaldehyde	ND(5.0)	ND(5.3) J	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
Benzo(a)anthracene	ND(1.0)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.1)	ND(5.0)
Benzo(a)pyrene	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2.0) [ND(2.0)]	NS	ND(2.0)	ND(2.2)	ND(5.0)
Benzo(b)fluoranthene	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2.0) [ND(2.0)]	NS	ND(2.0)	ND(2.2)	ND(5.0)
Benzo(g,h,i)perylene	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
Benzo(k)fluoranthene	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-05-10 09/19/01	RFI-05-12 09/20/01	RFI-05-19DR 12/11/01	RFI-05-19S 09/25/01	RFI-05-20 09/25/01	RFI-05-21 09/25/01	RFI-05-30 02/19/02	RFI-07-02 06/19/01	RFI-07-03 09/25/01	RFI-07-04 06/14/01
Biphenyl	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
bis(2-Chloroethoxy)methane	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
bis(2-Chloroethyl)ether	ND(1.0)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.1)	ND(5.0)
bis(2-Chloroisopropyl)ether	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
bis(2-Ethylhexyl)phthalate	ND(5.0)	ND(5.3)	1.7 J	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	53(RDW,IDW)	ND(5.6)	15(RDW,IDW)
Butyl benzylphthalate	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
Caprolactam	ND(10)	ND(11)	ND(11)	ND(11)	ND(11)	ND(10) [ND(10)]	NS	ND(10)	ND(11)	ND(10)
Carbazole	ND(10)	ND(11)	ND(11)	ND(11)	ND(11)	ND(10) [ND(10)]	NS	ND(10)	ND(11)	ND(5.0)
Chrysene	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
Di-n-butylphthalate	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
Di-n-octyl phthalate	ND(5.0)	ND(5.3) J	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
Dibenzo(a,h)anthracene	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2.0) [ND(2.0)]	NS	ND(2.0)	ND(2.2)	ND(5.0)
Dibenzofuran	ND(4.0)	ND(4.2)	ND(4.2)	ND(4.4)	ND(4.3)	ND(4.0) [ND(4.0)]	NS	ND(4.0)	ND(4.4)	ND(5.0)
Diethyl phthalate	ND(5.0)	ND(5.3)	2.8 J	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
Dimethyl phthalate	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
Fluoranthene	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2.0) [ND(2.0)]	NS	ND(2.0)	ND(2.2)	ND(5.0)
Fluorene	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
Hexachlorobenzene	ND(1.0)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.1)	ND(5.0)
Hexachlorobutadiene	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
Hexachlorocyclopentadiene	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
Hexachloroethane	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
Indeno(1,2,3-cd)pyrene	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2.0) [ND(2.0)]	NS	ND(2.0)	ND(2.2)	ND(5.0)
Isophorone	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
Methylphenols, Total	ND(10)	ND(11)	ND(11)	ND(11)	ND(11)	ND(10) [ND(10)]	NS	3.3	ND(11)	ND(10)
N-Nitrosodi-n-propylamine	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
N-Nitrosodiphenylamine	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	1.5 J	ND(5.6)	ND(5.0)
Naphthalene	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
Nitrobenzene	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.2)	ND(2.2)	ND(2.0) [ND(2.0)]	NS	ND(2.0)	ND(2.2)	ND(5.0)
Pentachlorophenol	ND(20)	ND(21)	ND(21)	ND(22)	ND(22)	ND(20) [ND(20)]	NS	ND(20)	ND(22)	ND(5.0)
Phenanthrene	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
Phenol	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
Pyrene	ND(5.0)	ND(5.3)	ND(5.3)	ND(5.5)	ND(5.4)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.6)	ND(5.0)
Inorganics										
Antimony	NS	NS	0.42 J	NS	NS	NS	NS	NS	NS	NS
Arsenic	NS	NS	7.2	NS	NS	NS	NS	NS	NS	NS
Barium	NS	NS	280	NS	NS	NS	NS	NS	NS	NS
Beryllium	NS	NS	1.2	NS	NS	NS	NS	NS	NS	NS
Cadmium	NS	NS	0.28	NS	NS	NS	NS	NS	NS	NS
Chromium	NS	NS	1.7	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	6.1	NS	NS	NS	NS	NS	NS	NS
Copper	NS	NS	0.97	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	1.6 J	1.7 J	ND(5.0)	1.2 J	1.8 J	1.6 J [1.4 J]	NS	NS	ND(5.0)	NS
Lead	NS	NS	0.47	NS	NS	NS	NS	NS	NS	NS
Manganese	NS	NS	1,100(RDW)	NS	NS	NS	NS	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-05-10 09/19/01	RFI-05-12 09/20/01	RFI-05-19DR 12/11/01	RFI-05-19S 09/25/01	RFI-05-20 09/25/01	RFI-05-21 09/25/01	RFI-05-30 02/19/02	RFI-07-02 06/19/01	RFI-07-03 09/25/01	RFI-07-04 06/14/01
Mercury	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.20)]	NS	NS	ND(0.20)	NS
Nickel	NS	NS	21	NS	NS	NS	NS	NS	NS	NS
Selenium	NS	NS	ND(1.4)	NS	NS	NS	NS	NS	NS	NS
Silver	NS	NS	0.17 J	NS	NS	NS	NS	NS	NS	NS
Thallium	NS	NS	1.2	NS	NS	NS	NS	NS	NS	NS
Vanadium	NS	NS	ND(0.80)	NS	NS	NS	NS	NS	NS	NS
Zinc	NS	NS	14	NS	NS	NS	NS	NS	NS	NS
Inorganics-Filtered										
Antimony	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2) [ND(1.2)]	NS	ND(1.2)	2.8	ND(1.2)
Arsenic	23	70(RDW,IDW)	5.9	1.8 J	2.4 J	46 [47]	NS	3.5	1.1 J	1.4
Barium	180	160	270	79	84	240 [240]	NS	59	34	35
Beryllium	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40) [ND(0.40)]	NS	ND(0.40)	ND(0.40)	ND(0.40)
Cadmium	ND(0.20)	ND(0.20)	ND(0.20)	0.31	0.52	ND(0.20) [ND(0.20)]	NS	ND(0.20)	0.3	ND(0.20)
Chromium	ND(0.60)	ND(0.60)	1.9	0.86	ND(0.60)	ND(0.60) [0.64]	NS	1.1	0.66	3.7
Cobalt	3.2	2.4	5	8.5	5.1	2.7 [2.8]	NS	0.23	1	3.8
Copper	13	3.7	2	4.3	8.2	1.7 [28]	NS	5.9	11	1.6
Cyanide (total)	2.1 J	1.7 J	ND(5.0)	1.8 J	2.8 J	1.3 J [1.5 J]	NS	3.2 J	1.1 J	ND(5.0)
Lead	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40) [ND(0.40)]	NS	ND(0.40)	0.62	ND(0.40)
Manganese	860 J	290	970(RDW)	1,000 J(RDW)	590 J	360 J [350 J]	NS	130	140 J	1,800(RDW)
Mercury	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.20)]	NS	ND(0.20)	ND(0.20)	ND(0.20)
Nickel	7.8	20	19	23 J	8.1 J	7.6 J [7.5 J]	NS	3.2	20	14
Selenium	2.5 J	ND(1.4)	1.7	ND(1.4)	ND(1.4)	1.8 J [ND(1.4)]	NS	2.6	11	ND(3.1)
Silver	ND(0.40) J	2.8 J	1.4	ND(0.40)	ND(0.40)	ND(0.40) [ND(0.40)]	NS	ND(0.40) J	ND(0.40)	ND(0.40) J
Thallium	0.23	ND(0.20)	ND(0.20)	0.42	0.23	ND(0.20) [ND(0.20)]	NS	1.4	ND(0.20)	0.37
Vanadium	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80) [ND(0.80)]	NS	3.8	ND(0.80)	ND(0.80)
Zinc	11	ND(6.0)	9.5	6.8	7.9	16 [13]	NS	ND(6.0)	130 J	6.6 J
PCBs										
Aroclor-1016	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1221	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1232	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1242	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1248	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1254	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1260	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.10)
Total PCBs	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.10)
PCBs-Filtered										
Aroclor-1016	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	NS	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1221	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	NS	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1232	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	NS	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1242	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	NS	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1248	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	NS	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1254	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	NS	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1260	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	NS	ND(0.11)	ND(0.10)	ND(0.10)
Total PCBs	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10) [ND(0.10)]	NS	ND(0.11)	ND(0.10)	ND(0.10)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-07-07 08/01/01	RFI-07-08 09/20/01	RFI-09-01 09/14/01	RFI-09-02 05/30/01	RFI-09-03 05/29/01	RFI-09-04 11/28/01	RFI-09-05 05/29/01
Volatiles							
1,1,1-Trichloroethane	ND(1.0) [ND(1.0)]	ND(1.0) [1.5]	ND(1.0)	ND(1.0)	ND(1.0) J	1.6 [1.7]	ND(1.0) J
1,1,2,2-Tetrachloroethane	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,1,2-Trichloroethane	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,1-Dichloroethene	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,2-Dichloroethane	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,2-Dichloropropane	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,2-Dichlorobenzene	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,3-Dichlorobenzene	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,4-Dichlorobenzene	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
2-Butanone	ND(25) [ND(25)]	ND(25) [ND(25)]	ND(25)	ND(25)	1.2 J	ND(25) [ND(25)]	ND(25)
2-Hexanone	ND(50) [ND(50)]	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50) [ND(50)]	ND(50)
4-Methyl-2-pentanone	ND(50) [ND(50)]	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50) [ND(50)]	ND(50)
Acetone	ND(25) [ND(25)]	0.59 J [ND(25)]	ND(25)	ND(25)	ND(25)	2.0 J [1.7 J]	ND(25)
Benzene	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	0.13 J
Benzene, isopropyl	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0) J
Bromodichloromethane	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Bromoform	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Bromomethane	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Carbon disulfide	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Carbon tetrachloride	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Chlorobenzene	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Chloroethane	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Chloroform	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	0.27 J
Chloromethane	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	1.4	1.3	ND(1.0) J	1.1 [1.2]	ND(1.0) J
cis-1,3-Dichloropropene	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Cyclohexane	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Dibromochloromethane	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Ethylbenzene	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	0.11 J	ND(1.0) [ND(1.0)]	0.19 J
Methyl acetate	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0) J
Methyl Tert Butyl Ether	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Methylcyclohexane	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	0.17 J
Methylene chloride	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Styrene	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Tetrachloroethene	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	4.3 J	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Toluene	ND(1.0) [ND(1.0)]	ND(1.0) [0.56 J]	ND(1.0)	ND(1.0)	0.30 J	ND(1.0) [ND(1.0)]	0.56 J

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-07-07 08/01/01	RFI-07-08 09/20/01	RFI-09-01 09/14/01	RFI-09-02 05/30/01	RFI-09-03 05/29/01	RFI-09-04 11/28/01	RFI-09-05 05/29/01
trans-1,2-Dichloroethene	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
trans-1,3-Dichloropropene	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Trichloroethene	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	1.5	1.9	ND(1.0)	9.3(RDW,IDW) [9.3(RDW,IDW)]	ND(1.0)
Trichlorofluoromethane (CFC-11)	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	14 [13]	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Vinyl chloride	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	3.8(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
m&p-Xylene	ND(2.0) [ND(2.0)]	0.64 J [0.70 J]	ND(2.0)	ND(2.0)	0.12 J	ND(2.0) [ND(2.0)]	0.22 J
o-Xylene	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	0.11 J
Xylenes (total)	ND(2.0) [ND(2.0)]	0.64 [0.70]	ND(2.0)	ND(2.0)	0.12	ND(2.0) [ND(2.0)]	0.33
Semivolatiles							
2,4,5-Trichlorophenol	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
2,4,6-Trichlorophenol	ND(4.0) [ND(4.0)]	ND(4.0) [ND(4.4)]	ND(4.0)	ND(5.0)	ND(5.0)	ND(4.0) [ND(4.2)]	ND(5.0)
2,4-Dichlorophenol	ND(10) [ND(10)]	ND(10) [ND(11)]	ND(10)	ND(5.0)	ND(5.0)	ND(10) [ND(11)]	ND(5.0)
2,4-Dimethylphenol	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
2,4-Dinitrophenol	ND(20) J [ND(20)]	ND(20) [ND(22)]	ND(20)	ND(20)	ND(20)	ND(20) [ND(21)]	ND(20)
2,4-Dinitrotoluene	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
2,6-Dinitrotoluene	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
2-Chloronaphthalene	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
2-Chlorophenol	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
2-Methyl naphthalene	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [0.72 J]	ND(5.0)
2-Methylphenol	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
2-Nitroaniline	ND(20) [ND(20)]	ND(20) [ND(22)]	ND(20)	ND(20)	ND(20)	ND(20) [ND(21)]	ND(20)
2-Nitrophenol	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
3&4-Methylphenol	ND(10) J [ND(10) J]	ND(10) J [ND(11) J]	ND(10) J	ND(10)	ND(10)	ND(10) [ND(11)]	ND(10)
3,3-Dichlorobenzidine	ND(20) [ND(20)]	ND(20) [ND(22)]	ND(20)	ND(20)	ND(20)	ND(20) [ND(21)]	ND(20)
3-Nitroaniline	ND(20) [ND(20)]	ND(20) [ND(22)]	ND(20)	ND(20)	ND(20)	ND(20) [ND(21)]	ND(20)
4,6-Dinitro-2-methylphenol	ND(20) [ND(20)]	ND(20) [ND(22)]	ND(20)	ND(20)	ND(20)	ND(20) [ND(21)]	ND(20)
4-Bromophenyl phenyl ether	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
4-Chloro-3-methylphenol	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
4-Chloroaniline	ND(20) [ND(20)]	ND(20) [ND(22)]	ND(20)	ND(20)	ND(20)	ND(20) [ND(21)]	ND(20)
4-Chlorophenyl phenyl ether	ND(5.0) J [ND(5.0)]	5.0 R [5.6 R]	5.0 R	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
4-Nitroaniline	ND(20) [ND(20)]	ND(20) [ND(22)]	ND(20)	ND(20)	ND(20)	ND(20) [ND(21)]	ND(20)
4-Nitrophenol	ND(20) [ND(20)]	ND(20) [ND(22)]	ND(20)	ND(20)	ND(20)	ND(20) [ND(21)]	ND(20)
Acenaphthene	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [0.77 J]	ND(5.0)
Acenaphthylene	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [0.66 J]	ND(5.0)
Acetophenone	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0) J	ND(5.0) [ND(5.3)]	ND(5.0)
Anthracene	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
Atrazine	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
Benzaldehyde	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0) J	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0) J
Benzo(a)anthracene	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.1)]	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.0) [ND(1.1)]	ND(5.0)
Benzo(a)pyrene	ND(2.0) [ND(2.0)]	ND(2.0) [ND(2.2)]	ND(2.0)	ND(5.0)	ND(5.0)	ND(2.0) [ND(2.1)]	ND(5.0)
Benzo(b)fluoranthene	ND(2.0) [ND(2.0)]	ND(2.0) [ND(2.2)]	ND(2.0)	ND(5.0)	ND(5.0)	ND(2.0) [ND(2.1)]	ND(5.0)
Benzo(g,h,i)perylene	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0) J
Benzo(k)fluoranthene	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-07-07 08/01/01	RFI-07-08 09/20/01	RFI-09-01 09/14/01	RFI-09-02 05/30/01	RFI-09-03 05/29/01	RFI-09-04 11/28/01	RFI-09-05 05/29/01
Biphenyl	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [0.79 J]	ND(5.0)
bis(2-Chloroethoxy)methane	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
bis(2-Chloroethyl)ether	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.1)]	ND(1.0)	ND(5.0)	ND(5.0) J	0.53 J [0.55 J]	ND(5.0)
bis(2-Chloroisopropyl)ether	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
bis(2-Ethylhexyl)phthalate	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	3.4 J	860 D(RDW,IDW,GCC,GAI)	ND(5.0) [ND(5.3)]	110(RDW,IDW)
Butyl benzylphthalate	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
Caprolactam	ND(10) [ND(10)]	ND(10) [ND(11)]	ND(10)	ND(10)	ND(10) J	ND(10) [ND(11)]	ND(10)
Carbazole	ND(10) [ND(10)]	ND(10) [ND(11)]	ND(10)	ND(5.0)	ND(5.0)	ND(10) [ND(11)]	ND(5.0)
Chrysene	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
Di-n-butylphthalate	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	0.52 J	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
Di-n-octyl phthalate	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
Dibenzo(a,h)anthracene	ND(2.0) [ND(2.0)]	ND(2.0) [ND(2.2)]	ND(2.0)	ND(5.0)	ND(5.0)	ND(2.0) [ND(2.1)]	ND(5.0)
Dibenzofuran	ND(4.0) [ND(4.0)]	ND(4.0) [ND(4.4)]	ND(4.0)	ND(5.0)	ND(5.0)	ND(4.0) [0.74 J]	ND(5.0)
Diethyl phthalate	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	3.2 J [1.2 J]	ND(5.0)
Dimethyl phthalate	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
Fluoranthene	ND(2.0) [ND(2.0)]	ND(2.0) [ND(2.2)]	ND(2.0)	ND(5.0)	ND(5.0)	ND(2.0) [ND(2.1)]	ND(5.0)
Fluorene	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [0.55 J]	ND(5.0)
Hexachlorobenzene	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.1)]	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.0) [ND(1.1)]	ND(5.0)
Hexachlorobutadiene	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	0.65 J [ND(5.3)]	ND(5.0)
Hexachlorocyclopentadiene	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
Hexachloroethane	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
Indeno(1,2,3-cd)pyrene	ND(2.0) [ND(2.0)]	ND(2.0) [ND(2.2)]	ND(2.0)	ND(5.0)	ND(5.0)	ND(2.0) [ND(2.1)]	ND(5.0)
Isophorone	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [0.62 J]	ND(5.0)
Methylphenols, Total	ND(10) [ND(10)]	ND(10) [ND(11)]	ND(10)	ND(10)	ND(10)	ND(10) [ND(11)]	ND(10)
N-Nitrosodi-n-propylamine	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
N-Nitrosodiphenylamine	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
Naphthalene	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	0.68 J [0.67 J]	ND(5.0)
Nitrobenzene	ND(2.0) [ND(2.0)]	ND(2.0) [ND(2.2)]	ND(2.0)	ND(5.0)	ND(5.0)	0.60 J [0.74 J]	ND(5.0)
Pentachlorophenol	ND(20) [ND(20)]	ND(20) [ND(22)]	ND(20)	ND(5.0)	ND(5.0)	ND(20) [ND(21)]	ND(5.0)
Phenanthrene	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
Phenol	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
Pyrene	ND(5.0) [ND(5.0)]	ND(5.0) [ND(5.6)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.3)]	ND(5.0)
Inorganics							
Antimony	NS	ND(1.2) [ND(1.2)]	NS	NS	NS	ND(1.2)	NS
Arsenic	NS	2.8 J [3.6 J]	NS	NS	NS	ND(1.0)	NS
Barium	NS	150 [130]	NS	NS	NS	77	NS
Beryllium	NS	1.3 [16(RDW,IDW)]	NS	NS	NS	ND(0.40)	NS
Cadmium	NS	0.12 J [0.82 J]	NS	NS	NS	0.28	NS
Chromium	NS	0.98 J [2.2 J]	NS	NS	NS	0.77	NS
Cobalt	NS	1.6 [2.3]	NS	NS	NS	0.65	NS
Copper	NS	2.6 [5.9]	NS	NS	NS	2.6	NS
Cyanide (total)	NS	1.4 J [1.8 J]	NS	NS	NS	3.0 J [2.6 J]	NS
Lead	NS	0.32 J [0.49 J]	NS	NS	NS	ND(0.40)	NS
Manganese	NS	530 [740]	NS	NS	NS	22	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-07-07 08/01/01	RFI-07-08 09/20/01	RFI-09-01 09/14/01	RFI-09-02 05/30/01	RFI-09-03 05/29/01	RFI-09-04 11/28/01	RFI-09-05 05/29/01
Mercury	NS	ND(0.20) [ND(0.20)]	NS	NS	NS	ND(0.20) [ND(0.20)]	NS
Nickel	NS	15 [17]	NS	NS	NS	4	NS
Selenium	NS	16 [16]	NS	NS	NS	3.0 J	NS
Silver	NS	ND(0.40) [0.34 J]	NS	NS	NS	0.22 J	NS
Thallium	NS	0.27 [0.45]	NS	NS	NS	ND(0.20)	NS
Vanadium	NS	ND(0.80) [ND(0.80)]	NS	NS	NS	ND(0.80)	NS
Zinc	NS	13 [17]	NS	NS	NS	22	NS
Inorganics-Filtered							
Antimony	ND(1.2) J [ND(1.2) J]	ND(1.2) [ND(1.2)]	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2) [ND(1.2)] [0.36 J]	ND(1.2)
Arsenic	ND(1.0) [ND(1.0)]	1.4 [1.0 J]	9.8	1.5	3.3 J	ND(1.0) [ND(1.0)] [0.50 J]	ND(1.0)
Barium	38 [38]	96 [100 J]	80	140	52 J	81 [84] [84]	46 J
Beryllium	ND(0.40) [ND(0.40)]	ND(0.40) [ND(0.40)]	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40) [ND(0.40)] [ND(0.40)]	ND(0.40)
Cadmium	ND(0.20) [ND(0.20)]	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20) [0.087 J] [ND(0.20)]	ND(0.20)
Chromium	5.4 [1.0]	ND(0.60) [ND(0.60)]	ND(0.70)	4.3	3.5	17 [16] [0.57 J]	4.7
Cobalt	0.45 [0.45]	1.1 [1.6]	0.72	0.36	0.53 J	0.77 [0.72] [0.76]	0.43 J
Copper	6.1 [24]	3.3 [8.0]	ND(5.4)	1.6	1.7 J	1.9 [2.5] [5.8]	1.8 J
Cyanide (total)	ND(5.0) [1.1 J]	1.6 J [1.6 J]	4.4 J	ND(5.0)	ND(5.0)	2.1 J [2.6 J]	ND(5.0)
Lead	ND(0.40) [ND(0.40)]	ND(0.40) [ND(0.40)]	1.4	26(RDW,IDW)	0.56 J	ND(0.40) [ND(0.40)] [ND(0.40)]	ND(0.40)
Manganese	64 [63]	310 [330]	64	49	880(RDW)	23 [22] [23]	78
Mercury	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)]	ND(0.20)
Nickel	5.2 [5.3]	8 [8.4]	ND(2.8)	3.7	2.8 J	5.4 [5.4] [4.3]	3.1 J
Selenium	5 [2.8]	14 [13]	11	7	ND(1.4)	4.0 J [4.8 J] [2.8 J]	14 J
Silver	ND(0.40) J [ND(0.40) J]	ND(0.40) J [ND(0.40) J]	ND(0.40)	ND(0.40) J	ND(0.40)	ND(0.40) [ND(0.40)] [0.22 J]	0.65
Thallium	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)] [0.26]	ND(0.20)
Vanadium	1.2 [ND(0.80)]	ND(0.80) [ND(0.80)]	ND(0.80)	1.5	2.3 J	4.2 [ND(0.80)] [4.3]	ND(0.80)
Zinc	ND(6.0) [7.0]	ND(6.0) [ND(6.0)]	ND(10)	16	12 J	ND(6.0) [9.9] [30]	8.3 J
PCBs							
Aroclor-1016	ND(0.10) [ND(0.11)]	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11) [ND(0.10)]	ND(0.10)
Aroclor-1221	ND(0.10) [ND(0.11)]	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11) [ND(0.10)]	ND(0.10)
Aroclor-1232	ND(0.10) [ND(0.11)]	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11) [ND(0.10)]	ND(0.10)
Aroclor-1242	ND(0.10) [ND(0.11)]	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11) [ND(0.10)]	ND(0.10)
Aroclor-1248	ND(0.10) [ND(0.11)]	ND(0.10) [0.10 J]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11) [ND(0.10)]	ND(0.10)
Aroclor-1254	ND(0.10) [ND(0.11)]	ND(0.10) [0.14]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11) [ND(0.10)]	0.12
Aroclor-1260	ND(0.10) [ND(0.11)]	ND(0.10) [ND(0.10)]	ND(0.10)	0.14	0.046 J	ND(0.11) [ND(0.10)]	ND(0.10)
Total PCBs	ND(0.10) [ND(0.11)]	ND(0.10) [0.24]	ND(0.10)	0.14	0.046	ND(0.11) [ND(0.10)]	0.12
PCBs-Filtered							
Aroclor-1016	ND(0.10) [ND(0.10)]	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11) [ND(0.11)]	ND(0.10)
Aroclor-1221	ND(0.10) [ND(0.10)]	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11) [ND(0.11)]	ND(0.10)
Aroclor-1232	ND(0.10) [ND(0.10)]	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11) [ND(0.11)]	ND(0.10)
Aroclor-1242	ND(0.10) [ND(0.10)]	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11) [ND(0.11)]	ND(0.10)
Aroclor-1248	ND(0.10) [ND(0.10)]	ND(0.10) [ND(0.10)]	ND(0.17)	ND(0.10)	ND(0.11)	ND(0.11) [ND(0.11)]	ND(0.10)
Aroclor-1254	ND(0.10) [ND(0.10)]	ND(0.10) [ND(0.10)]	0.060 J	ND(0.10)	ND(0.11)	ND(0.11) [ND(0.11)]	ND(0.10)
Aroclor-1260	ND(0.10) [ND(0.10)]	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11) [ND(0.11)]	ND(0.10)
Total PCBs	ND(0.10) [ND(0.10)]	ND(0.10) [ND(0.10)]	0.06	ND(0.10)	ND(0.11)	ND(0.11) [ND(0.11)]	ND(0.10)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-09-06 09/13/01	RFI-09-08 09/14/01	RFI-09-09 09/17/01	RFI-09-10 09/13/01	RFI-09-11 09/17/01	RFI-09-12 12/13/01	RFI-09-13 10/03/01	RFI-09-14 10/03/01	RFI-10-01 09/24/01
Volatiles									
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2,2-Tetrachloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	1.1
1,1-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	0.71 J
1,2-Dichloropropane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	ND(25)	14 J	1.6 J	ND(25)	47 J [8.7 J]	ND(25)	ND(25)	ND(25)	ND(25)
2-Hexanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50) [2.6 J]	ND(50)	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50)
Acetone	ND(25)	ND(39)	6.6 J	ND(25)	450 DJ [80 J]	ND(25)	7.0 J	ND(25)	8.1 J
Benzene	14(RDW,IDW)	270 D(RDW,IDW)	ND(1.0)	ND(1.0)	800 D(RDW,IDW) [830 D(RDW,IDW)]	10(RDW,IDW)	280 D(RDW,IDW)	ND(1.0)	1.6
Benzene, isopropyl	1.6 J	4.3 J	ND(5.0)	ND(5.0)	6.5 [7.2]	ND(5.0)	26	ND(5.0)	ND(5.0)
Bromodichloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Carbon disulfide	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	170 D
Chloroform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	0.69 J	ND(1.0)	ND(1.0)
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	15	97 D	1.7 J	ND(5.0)	73 [89]	3.0 J	190 D	ND(5.0)	ND(5.0)
Dibromochloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	5.6	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	5	62	0.52 J	ND(1.0)	65 [87]	ND(1.0)	4.6	ND(1.0)	ND(1.0)
Methyl acetate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	0.71 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	11	50	3.5	ND(1.0)	36 [34]	ND(1.0)	85	ND(1.0)	ND(1.0)
Methylene chloride	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Styrene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0) J	ND(1.0) J	ND(1.0)
Toluene	8	19	ND(1.0)	ND(1.0)	140 D [170 D]	ND(1.0)	11	ND(1.0)	ND(1.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-09-06 09/13/01	RFI-09-08 09/14/01	RFI-09-09 09/17/01	RFI-09-10 09/13/01	RFI-09-11 09/17/01	RFI-09-12 12/13/01	RFI-09-13 10/03/01	RFI-09-14 10/03/01	RFI-10-01 09/24/01
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
m&p-Xylene	15	190 D	0.92 J	ND(2.0)	120 [190]	ND(2.0)	35	ND(2.0)	0.77 J
o-Xylene	3.4	77	ND(1.0)	ND(1.0)	53 [80]	ND(1.0)	6.4	ND(1.0)	0.53 J
Xylenes (total)	18	270	0.92	ND(2.0)	170 [270]	ND(2.0)	41	ND(2.0)	1.3
Semivolatiles									
2,4,5-Trichlorophenol	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
2,4,6-Trichlorophenol	ND(4.0)	ND(4.0)	ND(4.2)	ND(4.0)	ND(4.0) [ND(4.0)]	ND(4.0)	NS	NS	ND(4.0)
2,4-Dichlorophenol	ND(10)	ND(10)	ND(11)	ND(10)	ND(10) [ND(10)]	ND(10)	NS	NS	ND(10)
2,4-Dimethylphenol	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
2,4-Dinitrophenol	ND(20)	ND(20)	ND(21)	ND(20)	ND(20) [ND(20)]	ND(20)	NS	NS	ND(20)
2,4-Dinitrotoluene	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
2,6-Dinitrotoluene	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
2-Chloronaphthalene	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
2-Chlorophenol	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
2-Methyl naphthalene	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [0.53 J]	ND(5.0)	NS	NS	ND(5.0)
2-Methylphenol	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
2-Nitroaniline	ND(20)	ND(20)	ND(21)	ND(20)	ND(20) [ND(20)]	ND(20)	NS	NS	ND(20)
2-Nitrophenol	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
3&4-Methylphenol	ND(10) J	ND(10) J	ND(11) J	ND(10) J	ND(10) J [ND(10) J]	ND(10)	NS	NS	ND(10) J
3,3-Dichlorobenzidine	ND(20)	ND(20)	ND(21)	ND(20)	ND(20) [ND(20)]	ND(20)	NS	NS	ND(20)
3-Nitroaniline	ND(20)	ND(20)	ND(21)	ND(20)	ND(20) [ND(20)]	ND(20)	NS	NS	ND(20)
4,6-Dinitro-2-methylphenol	ND(20)	ND(20)	ND(21)	ND(20)	ND(20) [ND(20)]	ND(20)	NS	NS	ND(20)
4-Bromophenyl phenyl ether	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
4-Chloro-3-methylphenol	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
4-Chloroaniline	ND(20)	ND(20)	ND(21)	ND(20)	ND(20) [ND(20)]	ND(20)	NS	NS	ND(20)
4-Chlorophenyl phenyl ether	5.0 R	5.0 R	5.3 R	5.0 R	5.0 R [5.0 R]	ND(5.0)	NS	NS	5.0 R
4-Nitroaniline	ND(20)	ND(20)	ND(21)	ND(20)	ND(20) [ND(20)]	ND(20)	NS	NS	ND(20)
4-Nitrophenol	ND(20)	ND(20)	ND(21)	ND(20)	ND(20) [ND(20)]	ND(20)	NS	NS	ND(20)
Acenaphthene	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
Acenaphthylene	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
Acetophenone	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
Anthracene	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
Atrazine	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
Benzaldehyde	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0) J
Benzo(a)anthracene	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	NS	NS	ND(1.0)
Benzo(a)pyrene	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)	NS	NS	ND(2.0)
Benzo(b)fluoranthene	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)	NS	NS	ND(2.0)
Benzo(g,h,i)perylene	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
Benzo(k)fluoranthene	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-09-06 09/13/01	RFI-09-08 09/14/01	RFI-09-09 09/17/01	RFI-09-10 09/13/01	RFI-09-11 09/17/01	RFI-09-12 12/13/01	RFI-09-13 10/03/01	RFI-09-14 10/03/01	RFI-10-01 09/24/01
Biphenyl	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
bis(2-Chloroethoxy)methane	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
bis(2-Chloroethyl)ether	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	NS	NS	ND(1.0)
bis(2-Chloroisopropyl)ether	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
bis(2-Ethylhexyl)phthalate	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	4.7 J	NS	NS	ND(5.0)
Butyl benzylphthalate	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
Caprolactam	ND(10)	ND(10)	ND(11) J	ND(10)	ND(10) J [ND(10) J]	ND(10)	NS	NS	ND(10)
Carbazole	ND(10)	ND(10)	ND(11)	ND(10)	ND(10) [ND(10)]	ND(10)	NS	NS	ND(10)
Chrysene	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
Di-n-butylphthalate	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
Di-n-octyl phthalate	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
Dibenzo(a,h)anthracene	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)	NS	NS	ND(2.0)
Dibenzofuran	ND(4.0)	ND(4.0)	ND(4.2)	ND(4.0)	ND(4.0) [ND(4.0)]	ND(4.0)	NS	NS	ND(4.0)
Diethyl phthalate	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
Dimethyl phthalate	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
Fluoranthene	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)	NS	NS	ND(2.0)
Fluorene	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
Hexachlorobenzene	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	NS	NS	ND(1.0)
Hexachlorobutadiene	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
Hexachlorocyclopentadiene	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
Hexachloroethane	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
Indeno(1,2,3-cd)pyrene	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)	NS	NS	ND(2.0)
Isophorone	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
Methylphenols, Total	ND(10)	ND(10)	ND(11)	ND(10)	ND(10) [ND(10)]	ND(10)	NS	NS	ND(10)
N-Nitrosodi-n-propylamine	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
N-Nitrosodiphenylamine	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
Naphthalene	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	3.4 J [4.9 J]	ND(5.0)	NS	NS	ND(5.0)
Nitrobenzene	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0) [ND(2.0)]	ND(2.0)	NS	NS	ND(2.0)
Pentachlorophenol	ND(20)	ND(20)	ND(21)	ND(20)	ND(20) [ND(20)]	ND(20)	NS	NS	ND(20)
Phenanthrene	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
Phenol	ND(5.0)	4.9 J	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
Pyrene	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	NS	NS	ND(5.0)
Inorganics									
Antimony	ND(1.2)	NS	NS	3.1 J	NS	1.0 J	NS	NS	NS
Arsenic	16	NS	NS	2.8	NS	61(RDW,IDW)	NS	NS	NS
Barium	250	NS	NS	130	NS	140	NS	NS	NS
Beryllium	ND(0.40)	NS	NS	ND(0.40)	NS	2.7 J	NS	NS	NS
Cadmium	0.12 J	NS	NS	0.076 J	NS	1.0 J	NS	NS	NS
Chromium	13	NS	NS	ND(2.6)	NS	1.5	NS	NS	NS
Cobalt	0.66	NS	NS	2.2	NS	1.5	NS	NS	NS
Copper	ND(0.60)	NS	NS	ND(8.7)	NS	5.1	NS	NS	NS
Cyanide (total)	5.6	NS	2.3 J	5.3	2.7 J [2.4 J]	ND(5.0)	NS	NS	9.8
Lead	3	NS	NS	1.3	NS	1.9	NS	NS	NS
Manganese	200	NS	NS	130	NS	110	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-09-06 09/13/01	RFI-09-08 09/14/01	RFI-09-09 09/17/01	RFI-09-10 09/13/01	RFI-09-11 09/17/01	RFI-09-12 12/13/01	RFI-09-13 10/03/01	RFI-09-14 10/03/01	RFI-10-01 09/24/01
Mercury	ND(0.20)	NS	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)	NS	NS	ND(0.20)
Nickel	ND(6.5)	NS	NS	8.4	NS	5.8 B	NS	NS	NS
Selenium	1.9	NS	NS	1.4	NS	4.5 J	NS	NS	NS
Silver	ND(0.40)	NS	NS	0.13 J	NS	0.68	NS	NS	NS
Thallium	ND(0.20)	NS	NS	0.061 J	NS	0.17 J	NS	NS	NS
Vanadium	1.6	NS	NS	4.4	NS	ND(0.80)	NS	NS	NS
Zinc	14 J	NS	NS	16 J	NS	17 B	NS	NS	NS
Inorganics-Filtered									
Antimony	ND(1.2)	ND(1.2)	ND(1.2)	6.8 J(RDW,IDW)	ND(1.2) [ND(1.2)]	ND(1.2)	NS	NS	ND(1.2)
Arsenic	17	7.5	2.4	2.4	3.5 [2.6]	43	NS	NS	6.3
Barium	210	310 J	140	130	1400 [1,500]	83	690 J	0.40 R	28,000(RDW,IDW)
Beryllium	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40) [ND(0.40)]	ND(0.40)	NS	NS	ND(0.40) J
Cadmium	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)	NS	NS	ND(0.20)
Chromium	ND(1.8)	2.2	2.1	1.5	0.84 [1.1]	ND(0.60)	NS	NS	ND(0.60)
Cobalt	0.68	1.7	0.93	1	1.1 [0.79]	0.56	NS	NS	1.4
Copper	ND(3.3)	ND(5.1)	7.4	ND(11)	3.8 [13]	ND(0.60)	NS	NS	15 J
Cyanide (total)	3.2 J	25	2.2 J	2.1 J	3.3 J [2.3 J]	ND(5.0)	NS	NS	9.5
Lead	ND(0.40)	2.1	ND(0.40)	ND(0.66)	0.42 [ND(0.40)]	ND(0.40)	ND(0.40)	ND(0.40)	0.58
Manganese	140	130	810	110	280 [210]	69	NS	NS	320
Mercury	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)	NS	NS	ND(0.20)
Nickel	ND(5.8)	6.2	12	5.6	9.8 [9.0]	ND(0.40)	NS	NS	8
Selenium	14	52(RDW,IDW)	ND(1.4)	ND(5.6)	ND(1.4) [ND(1.4)]	ND(1.4)	NS	NS	ND(1.4)
Silver	0.41 J	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40) [ND(0.40)]	ND(0.40)	NS	NS	ND(0.40) J
Thallium	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)	NS	NS	ND(0.20)
Vanadium	1.4	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80) [ND(0.80)]	ND(0.80)	NS	NS	ND(0.80)
Zinc	31 J	18 J	20	24 J	48 [47]	6.5	NS	NS	660
PCBs									
Aroclor-1016	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.11)	NS	NS	ND(0.11)
Aroclor-1221	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.11)	NS	NS	ND(0.11)
Aroclor-1232	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.11)	NS	NS	ND(0.11)
Aroclor-1242	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.11)	NS	NS	ND(0.11)
Aroclor-1248	ND(0.10)	ND(0.16)	0.095 J	ND(0.14)	0.24 [0.26]	ND(0.11)	NS	NS	ND(0.11)
Aroclor-1254	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.11)	NS	NS	ND(0.11)
Aroclor-1260	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.11)	NS	NS	ND(0.11)
Total PCBs	ND(0.10)	ND(0.16)	0.095	ND(0.14)	0.24 [0.26]	ND(0.11)	NS	NS	ND(0.11)
PCBs-Filtered									
Aroclor-1016	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.11)	NS	NS	ND(0.11)
Aroclor-1221	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.11)	NS	NS	ND(0.11)
Aroclor-1232	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.11)	NS	NS	ND(0.11)
Aroclor-1242	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.11)	NS	NS	ND(0.11)
Aroclor-1248	ND(0.14)	ND(0.14)	ND(0.10)	ND(0.12)	0.26 [0.30]	ND(0.11)	NS	NS	ND(0.11)
Aroclor-1254	ND(0.10)	0.047 J	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.11)	NS	NS	ND(0.11)
Aroclor-1260	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.11)	NS	NS	ND(0.11)
Total PCBs	ND(0.14)	0.047	ND(0.10)	ND(0.12)	0.26 [0.30]	ND(0.11)	NS	NS	ND(0.11)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-10-01 02/22/02	RFI-10-02 09/24/01	RFI-10-03 09/26/01	RFI-10-04 09/26/01	RFI-10-05 09/24/01	RFI-10-06 09/24/01	RFI-10-07 11/20/01	RFI-10-08 09/26/01	RFI-10-11 10/01/01	RFI-10-11x 10/01/01	RFI-10-11x 10/03/01
Volatiles											
1,1,1-Trichloroethane	NS	ND(1.0)	130 D	14	580 D(RDW,IDW)	640 D(RDW,IDW)	41	ND(1.0)	0.77 J	NS	NS
1,1,2,2-Tetrachloroethane	NS	ND(1.0) J	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0) J	ND(1.0) J	NS	NS
1,1,2-Trichloroethane	NS	ND(1.0)	0.53 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
1,2,4-Trichlorobenzene	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	NS	1.8	630 D	5.4	1,100 D(RDW)	230 D	7.2 J	ND(1.0)	ND(1.0)	NS	NS
1,1-Dichloroethene	NS	ND(1.0)	59(RDW,IDW)	1	110 D(RDW,IDW)	87(RDW,IDW)	0.86 J	ND(1.0)	ND(1.0)	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
1,2-Dibromoethane (EDB)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
1,2-Dichloroethane	NS	1.3	ND(1.0)	ND(1.0)	1.4	0.82 J	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
1,2-Dichloropropane	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
1,2-Dichlorobenzene	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
1,3-Dichlorobenzene	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
1,4-Dichlorobenzene	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
2-Butanone	NS	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	NS	NS
2-Hexanone	NS	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	NS	NS
4-Methyl-2-pentanone	NS	3.5 J	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	NS	NS
Acetone	NS	11 J	ND(25)	0.63 J	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	NS	NS
Benzene	NS	17(RDW,IDW)	1.1	ND(1.0)	ND(1.0)	1	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
Benzene, isopropyl	NS	1.2 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	NS
Bromodichloromethane	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
Bromoform	NS	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
Bromomethane	NS	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0) J	ND(1.0)	NS	NS
Carbon disulfide	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	NS
Carbon tetrachloride	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
Chlorobenzene	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
Chloroethane	NS	2,600 DJ(RDW,IDW)	240 D	ND(1.0)	690 D(RDW)	250 D	ND(1.0) J	ND(1.0)	ND(1.0)	NS	NS
Chloroform	NS	ND(1.0)	2.6	ND(1.0)	ND(1.0)	ND(1.0)	3.9	ND(1.0)	ND(1.0)	NS	NS
Chloromethane	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
cis-1,2-Dichloroethene	NS	ND(1.0)	150 D(RDW,IDW)	ND(1.0)	23	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
cis-1,3-Dichloropropene	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
Cyclohexane	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	NS
Dibromochloromethane	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
Dichlorodifluoromethane (CFC-12)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
Ethylbenzene	NS	47	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
Methyl acetate	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	NS
Methyl Tert Butyl Ether	NS	ND(5.0)	1.2 J	ND(5.0)	0.88 J	ND(5.0)	ND(5.0) J	ND(5.0)	ND(5.0)	NS	NS
Methylcyclohexane	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
Methylene chloride	NS	8.0(RDW,IDW)	8.4(RDW,IDW)	ND(5.0)	24(RDW,IDW)	4.2 J	ND(5.0)	ND(5.0)	ND(5.0)	NS	NS
Styrene	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
Tetrachloroethene	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
Toluene	NS	9.6	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-10-01 02/22/02	RFI-10-02 09/24/01	RFI-10-03 09/26/01	RFI-10-04 09/26/01	RFI-10-05 09/24/01	RFI-10-06 09/24/01	RFI-10-07 11/20/01	RFI-10-08 09/26/01	RFI-10-11 10/01/01	RFI-10-11x 10/01/01	RFI-10-11x 10/03/01
trans-1,2-Dichloroethene	NS	0.67 J	8.7	ND(1.0)	1.2	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	NS	NS
trans-1,3-Dichloropropene	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
Trichloroethene	NS	ND(1.0)	150 D(RDW,IDW)	3.2	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
Trichlorofluoromethane (CFC-11)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
Trifluorotrichloroethane (Freon 113)	NS	ND(1.0)	ND(1.0)	ND(1.0)	0.52 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
Vinyl chloride	NS	ND(1.0)	60(RDW,IDW)	ND(1.0)	26(RDW,IDW)	1.3	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
m&p-Xylene	NS	170	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	NS	NS
o-Xylene	NS	64	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	NS
Xylenes (total)	NS	230	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	NS	NS
Semivolatiles											
2,4,5-Trichlorophenol	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
2,4,6-Trichlorophenol	NS	ND(4.3)	ND(4.5)	ND(4.7)	NS	ND(4.2)	ND(4.0)	ND(4.4)	ND(4.0)	NS	NS
2,4-Dichlorophenol	NS	ND(11)	ND(11)	ND(12)	NS	ND(11)	ND(10)	ND(11)	ND(10)	NS	NS
2,4-Dimethylphenol	NS	25	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
2,4-Dinitrophenol	NS	ND(21) J	ND(22)	ND(24)	NS	ND(21) J	ND(20)	ND(22)	ND(20)	NS	NS
2,4-Dinitrotoluene	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
2,6-Dinitrotoluene	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
2-Chloronaphthalene	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
2-Chlorophenol	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
2-Methyl naphthalene	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
2-Methylphenol	NS	5.2 J	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
2-Nitroaniline	NS	ND(21)	ND(22)	ND(24)	NS	ND(21)	ND(20)	ND(22)	ND(20)	NS	NS
2-Nitrophenol	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
3&4-Methylphenol	NS	ND(11) J	ND(11) J	ND(12) J	NS	ND(11) J	ND(10) J	ND(11) J	ND(10) J	NS	NS
3,3-Dichlorobenzidine	NS	ND(21)	ND(22)	ND(24)	NS	ND(21)	ND(20)	ND(22)	ND(20)	NS	NS
3-Nitroaniline	NS	ND(21)	ND(22)	ND(24)	NS	ND(21)	ND(20)	ND(22)	ND(20)	NS	NS
4,6-Dinitro-2-methylphenol	NS	ND(21) J	ND(22) J	ND(24) J	NS	ND(21)	ND(20)	ND(22) J	ND(20)	NS	NS
4-Bromophenyl phenyl ether	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
4-Chloro-3-methylphenol	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
4-Chloroaniline	NS	ND(21)	ND(22)	ND(24)	NS	ND(21)	ND(20)	ND(22)	ND(20)	NS	NS
4-Chlorophenyl phenyl ether	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
4-Nitroaniline	NS	ND(21)	ND(22)	ND(24)	NS	ND(21) J	ND(20)	ND(22)	ND(20)	NS	NS
4-Nitrophenol	NS	ND(21)	ND(22)	ND(24)	NS	ND(21)	ND(20)	ND(22)	ND(20)	NS	NS
Acenaphthene	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	0.66 J	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Acenaphthylene	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Acetophenone	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Anthracene	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Atrazine	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Benzaldehyde	NS	ND(5.3) J	ND(5.6)	ND(5.9)	NS	ND(5.3) J	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Benzo(a)anthracene	NS	ND(1.1)	ND(1.1)	ND(1.2)	NS	ND(1.1)	ND(1.0)	ND(1.1)	ND(1.0)	NS	NS
Benzo(a)pyrene	NS	ND(2.1)	ND(2.2)	ND(2.4)	NS	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.0)	NS	NS
Benzo(b)fluoranthene	NS	ND(2.1)	ND(2.2)	ND(2.4)	NS	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.0)	NS	NS
Benzo(g,h,i)perylene	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1) J	ND(5.5)	ND(5.0)	NS	NS
Benzo(k)fluoranthene	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-10-01 02/22/02	RFI-10-02 09/24/01	RFI-10-03 09/26/01	RFI-10-04 09/26/01	RFI-10-05 09/24/01	RFI-10-06 09/24/01	RFI-10-07 11/20/01	RFI-10-08 09/26/01	RFI-10-11 10/01/01	RFI-10-11x 10/01/01	RFI-10-11x 10/03/01
Biphenyl	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
bis(2-Chloroethoxy)methane	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
bis(2-Chloroethyl)ether	NS	ND(1.1)	ND(1.1)	ND(1.2)	NS	ND(1.1)	ND(1.0)	ND(1.1)	ND(1.0)	NS	NS
bis(2-Chloroisopropyl)ether	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
bis(2-Ethylhexyl)phthalate	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Butyl benzylphthalate	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Caprolactam	NS	ND(11)	ND(11)	ND(12)	NS	ND(11)	ND(10)	ND(11)	ND(10)	NS	NS
Carbazole	NS	ND(11)	ND(11)	ND(12)	NS	ND(11) J	ND(10)	ND(11)	ND(10)	NS	NS
Chrysene	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Di-n-butylphthalate	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Di-n-octyl phthalate	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Dibenzo(a,h)anthracene	NS	ND(2.1)	ND(2.2)	ND(2.4)	NS	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.0)	NS	NS
Dibenzofuran	NS	ND(4.3)	ND(4.5)	ND(4.7)	NS	ND(4.2)	ND(4.0)	ND(4.4)	ND(4.0)	NS	NS
Diethyl phthalate	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Dimethyl phthalate	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Fluoranthene	NS	ND(2.1)	ND(2.2)	ND(2.4)	NS	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.0)	NS	NS
Fluorene	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Hexachlorobenzene	NS	ND(1.1)	ND(1.1)	ND(1.2)	NS	ND(1.1)	ND(1.0)	ND(1.1)	ND(1.0)	NS	NS
Hexachlorobutadiene	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Hexachlorocyclopentadiene	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Hexachloroethane	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Indeno(1,2,3-cd)pyrene	NS	ND(2.1)	ND(2.2)	ND(2.4)	NS	ND(2.1)	ND(2.0) J	ND(2.2)	ND(2.0)	NS	NS
Isophorone	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Methylphenols, Total	NS	5.2	ND(11)	ND(12)	NS	ND(11)	ND(10)	ND(11)	ND(10)	NS	NS
N-Nitrosodi-n-propylamine	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
N-Nitrosodiphenylamine	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Naphthalene	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Nitrobenzene	NS	ND(2.1)	ND(2.2)	ND(2.4)	NS	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.0)	NS	NS
Pentachlorophenol	NS	ND(21)	ND(22)	ND(24)	NS	ND(21)	ND(20)	ND(22)	ND(20)	NS	NS
Phenanthrene	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Phenol	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Pyrene	NS	ND(5.3)	ND(5.6)	ND(5.9)	NS	ND(5.3)	ND(5.1)	ND(5.5)	ND(5.0)	NS	NS
Inorganics											
Antimony	NS	NS	NS	0.70 J	NS	0.34 J	ND(1.2) J	NS	ND(1.2)	ND(1.3)	NS
Arsenic	NS	NS	NS	4.1 J	NS	3.9	ND(1.0)	NS	1.6 J	1.5 J	NS
Barium	NS	NS	NS	880	NS	160	26 J	NS	35	65 J	NS
Beryllium	NS	NS	NS	1.7	NS	0.23 J	ND(0.40) J	NS	ND(0.40)	ND(0.40)	NS
Cadmium	NS	NS	NS	2.3	NS	0.19 J	0.045 J	NS	0.26	0.85 J	NS
Chromium	NS	NS	NS	5.4	NS	1.5	ND(0.60)	NS	3.9	4.0 J	NS
Cobalt	NS	NS	NS	3	NS	2.2	0.19	NS	0.67	2.0 J	NS
Copper	NS	NS	NS	9.5	NS	15	ND(0.60)	NS	2.5	14 J	NS
Cyanide (total)	NS	3.7 J	11	10	NS	2.2 J	ND(5.0)	1.5 J	14	27	27
Lead	NS	NS	NS	1.2	NS	0.43	ND(0.40)	NS	0.46	1.1 J	NS
Manganese	NS	NS	NS	290	NS	1,200(RDW)	4.8 J	NS	220	710 J	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-10-01 02/22/02	RFI-10-02 09/24/01	RFI-10-03 09/26/01	RFI-10-04 09/26/01	RFI-10-05 09/24/01	RFI-10-06 09/24/01	RFI-10-07 11/20/01	RFI-10-08 09/26/01	RFI-10-11 10/01/01	RFI-10-11x 10/01/01	RFI-10-11x 10/03/01
Mercury	NS	ND(0.20)	ND(0.20)	ND(0.20)	NS	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS
Nickel	NS	NS	NS	22	NS	14	ND(0.40)	NS	8.3	19 J	NS
Selenium	NS	NS	NS	ND(1.4)	NS	8.8 J	6.0 J	NS	2.2 J	ND(1.4)	NS
Silver	NS	NS	NS	1.0 J	NS	0.19 J	ND(0.40) J	NS	ND(0.40)	1.9 J	NS
Thallium	NS	NS	NS	0.87	NS	0.20 J	ND(0.20) J	NS	0.12 J	0.046 J	NS
Vanadium	NS	NS	NS	11(RDW)	NS	ND(0.80)	ND(0.80)	NS	0.27 J	0.25 J	NS
Zinc	NS	NS	NS	46	NS	18	ND(6.0)	NS	9.1	10 J	NS
Inorganics-Filtered											
Antimony	NS	ND(1.2)	ND(1.2)	ND(1.2)	NS	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	NS	NS
Arsenic	NS	38 J	2.8 J	2.2 J	NS	2.3 J	ND(1.0)	10	ND(1.0)	NS	NS
Barium	27,000(RDW,IDW)	380 J	240	590	NS	95 J	28	81	27	NS	NS
Beryllium	NS	ND(0.40)	ND(0.40)	ND(0.40)	NS	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	NS	NS
Cadmium	NS	ND(0.20)	3.2	0.76	NS	ND(0.20)	ND(0.20)	ND(0.20)	0.31	NS	NS
Chromium	NS	1.4	ND(0.60)	0.82	NS	ND(0.60)	ND(0.60)	ND(0.60)	1.9	NS	NS
Cobalt	NS	1.7	11	1.1	NS	1.2	0.46	0.77	0.55	NS	NS
Copper	NS	4.4	4.2	1.7	NS	3.7	ND(0.60)	ND(0.60)	ND(2.8)	NS	NS
Cyanide (total)	NS	2.2 J	12	10	NS	2.4 J	4.4 J	1.9 J	17	NS	NS
Lead	NS	ND(0.40)	ND(0.40)	ND(0.40)	NS	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	NS	NS
Manganese	NS	1,400 J(RDW)	3,400(RDW,IDW)	180 J	NS	750 J	6.8 J	840	230	NS	NS
Mercury	NS	ND(0.20)	ND(0.20)	ND(0.20)	NS	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	NS
Nickel	NS	11	26	12	NS	6.9	ND(0.40)	4.1	6.3	NS	NS
Selenium	NS	ND(1.4)	ND(1.4)	8.5 J	NS	7.5	ND(1.4)	ND(1.4)	21	NS	NS
Silver	NS	ND(0.40) J	ND(0.40)	ND(0.40) J	NS	ND(0.40) J	ND(0.40)	ND(0.40)	ND(0.40)	NS	NS
Thallium	NS	ND(0.20)	ND(0.20)	ND(0.20)	NS	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	NS
Vanadium	NS	2.3 J	ND(0.80)	ND(0.80)	NS	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	NS	NS
Zinc	NS	27	17	22	NS	7	ND(6.0)	7.6	19	NS	NS
PCBs											
Aroclor-1016	NS	ND(0.11)	ND(0.10)	ND(0.10)	NS	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	NS	NS
Aroclor-1221	NS	ND(0.11)	ND(0.10)	ND(0.10)	NS	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	NS	NS
Aroclor-1232	NS	ND(0.11)	ND(0.10)	ND(0.10)	NS	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	NS	NS
Aroclor-1242	NS	ND(0.11)	ND(0.10)	ND(0.10)	NS	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	NS	NS
Aroclor-1248	NS	ND(0.11)	ND(0.10)	ND(0.10)	NS	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	NS	NS
Aroclor-1254	NS	ND(0.11)	ND(0.10)	ND(0.10)	NS	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	NS	NS
Aroclor-1260	NS	ND(0.11)	ND(0.10)	ND(0.10)	NS	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	NS	NS
Total PCBs	NS	ND(0.11)	ND(0.10)	ND(0.10)	NS	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	NS	NS
PCBs-Filtered											
Aroclor-1016	NS	ND(0.11)	ND(0.11)	ND(0.12)	NS	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	NS	NS
Aroclor-1221	NS	ND(0.11)	ND(0.11)	ND(0.12)	NS	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	NS	NS
Aroclor-1232	NS	ND(0.11)	ND(0.11)	ND(0.12)	NS	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	NS	NS
Aroclor-1242	NS	ND(0.11)	ND(0.11)	ND(0.12)	NS	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	NS	NS
Aroclor-1248	NS	ND(0.11)	ND(0.11)	ND(0.12)	NS	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	NS	NS
Aroclor-1254	NS	ND(0.11)	ND(0.11)	ND(0.12)	NS	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	NS	NS
Aroclor-1260	NS	ND(0.11)	ND(0.11)	ND(0.12)	NS	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	NS	NS
Total PCBs	NS	ND(0.11)	ND(0.11)	ND(0.12)	NS	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-10-12 09/26/01	RFI-10-15 09/24/01	RFI-10-24 02/20/02	RFI-10-25 02/20/02	RFI-10-26 02/21/02	RFI-12-01 05/16/01	RFI-12-01 05/18/01	RFI-12-03 05/24/01	RFI-12-04 05/23/01	RFI-12-05 05/16/01	RFI-12-06 05/25/01
Volatiles											
1,1,1-Trichloroethane	ND(1.0)	2.6	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	13	ND(1.0)	ND(1.0)	ND(1.0) J
1,1,2,2-Tetrachloroethane	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	ND(1.0)	3.5	ND(1.0)	ND(1.0)	4.2	ND(1.0)	NS	9.7	ND(1.0)	ND(1.0)	ND(1.0)
1,1-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	0.27 J	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	1.1 J	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	NS	ND(25)	ND(25)	1.7 J	1.7 J
2-Hexanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	NS	ND(50)	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	NS	ND(50)	ND(50)	ND(50)	ND(50)
Acetone	7.9 J	ND(25)	1.3 J	0.76 J	1.0 J	ND(25)	NS	1.1 J	ND(25)	7.5 J	17 J
Benzene	2	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Benzene, isopropyl	3.4 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Bromodichloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Carbon disulfide	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	120 D	1.8	ND(1.0)	ND(1.0)	21	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	0.23 J	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	5.6	ND(1.0)	NS	0.32 J	ND(1.0) J	ND(1.0)	ND(1.0) J
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) J	NS	0.22 J	ND(5.0) J	ND(5.0) J	ND(5.0)
Dibromochloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	1.3	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.14 J	NS	0.12 J	ND(1.0)	0.20 J	0.23 J
Methyl acetate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	0.72 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Styrene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	5.7(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)
Toluene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.24 J	NS	0.26 J	ND(1.0)	0.42 J	0.56 J

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-10-12 09/26/01	RFI-10-15 09/24/01	RFI-10-24 02/20/02	RFI-10-25 02/20/02	RFI-10-26 02/21/02	RFI-12-01 05/16/01	RFI-12-01 05/18/01	RFI-12-03 05/24/01	RFI-12-04 05/23/01	RFI-12-05 05/16/01	RFI-12-06 05/25/01
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
m&p-Xylene	2.4	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	0.21 J	NS	0.20 J	ND(2.0)	0.41 J	0.51 J
o-Xylene	1.6	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	0.10 J	ND(1.0)	0.14 J	0.22 J
Xylenes (total)	4	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	0.21	NS	0.3	ND(2.0)	0.55	0.73
Semivolatiles											
2,4,5-Trichlorophenol	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
2,4,6-Trichlorophenol	ND(5.0)	NS	NS	NS	NS	NS	ND(4.0)	ND(4.0)	ND(5.1)	ND(4.0)	ND(5.0)
2,4-Dichlorophenol	ND(13)	NS	NS	NS	NS	NS	ND(10)	ND(10)	ND(13)	ND(10)	ND(5.0)
2,4-Dimethylphenol	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	2.1 J	ND(5.0)
2,4-Dinitrophenol	ND(25) J	NS	NS	NS	NS	NS	ND(20)	ND(20)	ND(26) J	ND(20) J	ND(20)
2,4-Dinitrotoluene	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
2,6-Dinitrotoluene	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
2-Chloronaphthalene	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
2-Chlorophenol	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
2-Methyl naphthalene	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
2-Methylphenol	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	3.3 J	ND(5.0)
2-Nitroaniline	ND(25)	NS	NS	NS	NS	NS	ND(20)	ND(20)	ND(26)	ND(20)	ND(20)
2-Nitrophenol	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
3&4-Methylphenol	ND(13) J	NS	NS	NS	NS	NS	ND(10)	ND(10)	ND(13)	5.6 J	ND(10)
3,3-Dichlorobenzidine	ND(25)	NS	NS	NS	NS	NS	ND(20)	ND(20)	ND(26)	ND(20) J	ND(20)
3-Nitroaniline	ND(25)	NS	NS	NS	NS	NS	ND(20)	ND(20)	ND(26)	ND(20)	ND(20)
4,6-Dinitro-2-methylphenol	ND(25)	NS	NS	NS	NS	NS	ND(20)	ND(20)	ND(26)	ND(20) J	ND(20)
4-Bromophenyl phenyl ether	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
4-Chloro-3-methylphenol	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
4-Chloroaniline	ND(25)	NS	NS	NS	NS	NS	ND(20)	ND(20)	ND(26)	ND(20)	ND(20)
4-Chlorophenyl phenyl ether	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
4-Nitroaniline	ND(25)	NS	NS	NS	NS	NS	ND(20)	ND(20)	ND(26)	ND(20)	ND(20)
4-Nitrophenol	ND(25)	NS	NS	NS	NS	NS	ND(20)	ND(20)	ND(26)	ND(20)	ND(20)
Acenaphthene	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	2.9 J	ND(6.4)	ND(5.0)	ND(5.0)
Acenaphthylene	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
Acetophenone	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0) J	ND(6.4)	ND(5.0)	ND(5.0) J
Anthracene	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
Atrazine	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
Benzaldehyde	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0) J	ND(5.0)
Benzo(a)anthracene	ND(1.3)	NS	NS	NS	NS	NS	ND(1.0)	ND(1.0)	ND(1.3)	ND(1.0) J	ND(5.0)
Benzo(a)pyrene	ND(2.5)	NS	NS	NS	NS	NS	ND(2.0)	ND(2.0)	ND(2.6)	ND(2.0) J	ND(5.0)
Benzo(b)fluoranthene	ND(2.5)	NS	NS	NS	NS	NS	ND(2.0)	ND(2.0)	ND(2.6)	ND(2.0) J	ND(5.0)
Benzo(g,h,i)perylene	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0) J	ND(5.0)
Benzo(k)fluoranthene	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0) J	ND(5.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-10-12 09/26/01	RFI-10-15 09/24/01	RFI-10-24 02/20/02	RFI-10-25 02/20/02	RFI-10-26 02/21/02	RFI-12-01 05/16/01	RFI-12-01 05/18/01	RFI-12-03 05/24/01	RFI-12-04 05/23/01	RFI-12-05 05/16/01	RFI-12-06 05/25/01
Biphenyl	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
bis(2-Chloroethoxy)methane	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
bis(2-Chloroethyl)ether	ND(1.3)	NS	NS	NS	NS	NS	ND(1.0)	ND(1.0) J	ND(1.3)	ND(1.0) J	ND(5.0) J
bis(2-Chloroisopropyl)ether	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	6.4	ND(5.0)	ND(5.0)
bis(2-Ethylhexyl)phthalate	ND(6.3)	NS	NS	NS	NS	NS	3.5 J	28(RDW,IDW)	91(RDW,IDW)	180 D(RDW,IDW)	580 D(RDW,IDW,GCC,GAI)
Butyl benzylphthalate	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0) J	ND(5.0)
Caprolactam	ND(13)	NS	NS	NS	NS	NS	ND(10)	ND(10) J	ND(13)	ND(10)	ND(10) J
Carbazole	ND(13)	NS	NS	NS	NS	NS	ND(10)	1.0 J	ND(13)	ND(10)	ND(5.0)
Chrysene	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0) J	ND(5.0)
Di-n-butylphthalate	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
Di-n-octyl phthalate	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0) J	ND(5.0)
Dibenzo(a,h)anthracene	ND(2.5)	NS	NS	NS	NS	NS	ND(2.0)	ND(2.0)	ND(2.6)	ND(2.0) J	ND(5.0)
Dibenzofuran	ND(5.0)	NS	NS	NS	NS	NS	ND(4.0)	1.4 J	ND(5.1)	ND(4.0)	ND(5.0)
Diethyl phthalate	ND(6.3)	NS	NS	NS	NS	NS	1.4 J	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
Dimethyl phthalate	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
Fluoranthene	ND(2.5)	NS	NS	NS	NS	NS	ND(2.0)	ND(2.0)	ND(2.6)	ND(2.0)	ND(5.0)
Fluorene	1.2 J	NS	NS	NS	NS	NS	ND(5.0)	1.8 J	ND(6.4)	ND(5.0)	ND(5.0)
Hexachlorobenzene	ND(1.3)	NS	NS	NS	NS	NS	ND(1.0)	ND(1.0)	ND(1.3)	ND(1.0)	ND(5.0)
Hexachlorobutadiene	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
Hexachlorocyclopentadiene	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
Hexachloroethane	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
Indeno(1,2,3-cd)pyrene	ND(2.5)	NS	NS	NS	NS	NS	ND(2.0)	ND(2.0)	ND(2.6)	ND(2.0) J	ND(5.0)
Isophorone	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
Methylphenols, Total	ND(13)	NS	NS	NS	NS	NS	ND(10)	ND(10)	ND(13)	8.9	ND(10)
N-Nitrosodi-n-propylamine	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
N-Nitrosodiphenylamine	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0)	ND(5.0)
Naphthalene	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	0.48 J	ND(5.0)
Nitrobenzene	ND(2.5)	NS	NS	NS	NS	NS	ND(2.0)	ND(2.0)	ND(2.6)	ND(2.0)	ND(5.0)
Pentachlorophenol	ND(25)	NS	NS	NS	NS	NS	ND(20)	ND(20)	ND(26)	ND(20)	ND(5.0)
Phenanthrene	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	2.1 J	ND(6.4)	ND(5.0)	ND(5.0)
Phenol	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	3.6 J	8.5	2.8 J
Pyrene	ND(6.3)	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(6.4)	ND(5.0) J	ND(5.0)
Inorganics											
Antimony	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	3.6 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-10-12 09/26/01	RFI-10-15 09/24/01	RFI-10-24 02/20/02	RFI-10-25 02/20/02	RFI-10-26 02/21/02	RFI-12-01 05/16/01	RFI-12-01 05/18/01	RFI-12-03 05/24/01	RFI-12-04 05/23/01	RFI-12-05 05/16/01	RFI-12-06 05/25/01
Mercury	ND(0.20)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thallium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Inorganics-Filtered											
Antimony	ND(1.2)	NS	NS	NS	NS	NS	1.4	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
Arsenic	68(RDW,IDW)	NS	NS	NS	NS	NS	ND(1.0)	ND(1.0)	14 J	5.3 J	14 J
Barium	150	NS	NS	NS	NS	NS	100	28 J	58	110 J	40 J
Beryllium	ND(0.40)	NS	NS	NS	NS	NS	ND(0.42)	ND(0.40)	ND(0.40)	ND(0.42)	ND(0.40)
Cadmium	ND(0.20)	NS	NS	NS	NS	NS	ND(0.21)	ND(0.20)	0.95 J	ND(0.21)	2.0 J
Chromium	1.7	NS	NS	NS	NS	NS	5.8	ND(0.60)	1.3	3.0 J	1.2
Cobalt	0.71	NS	NS	NS	NS	NS	1.5	1.2 J	0.54	2.6 J	ND(0.20)
Copper	ND(0.60)	NS	NS	NS	NS	NS	5.5	3.5 J	ND(0.60)	6.7 J	5.8 J
Cyanide (total)	3.8 J	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(5.0)	6.9	ND(5.0)
Lead	ND(0.40)	NS	NS	NS	NS	NS	0.68	1.3 J	ND(0.40)	1.3 J	ND(0.40)
Manganese	2,000 J(RDW)	NS	NS	NS	7.2	NS	110	300	130	1,600(RDW)	ND(0.40)
Mercury	ND(0.20)	NS	NS	NS	NS	NS	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
Nickel	20	NS	NS	NS	NS	NS	14	9.5 J	3.9	33 J	7.0 J
Selenium	6.6 J	NS	NS	NS	NS	NS	2.9	ND(1.4)	1.7 J	ND(6.5)	20 J
Silver	ND(0.40) J	NS	NS	NS	NS	NS	ND(0.42)	ND(0.40)	ND(0.40)	0.54 J	ND(0.40)
Thallium	ND(0.20)	NS	NS	NS	NS	NS	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.21)	ND(0.20)
Vanadium	2.1	NS	NS	NS	NS	NS	ND(0.83)	ND(0.80)	1.8	13 J(RDW)	76 J(RDW,IDW)
Zinc	7.6	NS	NS	NS	NS	NS	20	6.7 J	6.2	35 J	ND(6.0)
PCBs											
Aroclor-1016	ND(0.14)	NS	NS	NS	NS	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1221	ND(0.14)	NS	NS	NS	NS	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1232	ND(0.14)	NS	NS	NS	NS	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1242	ND(0.14)	NS	NS	NS	NS	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1248	ND(0.14)	NS	NS	NS	NS	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1254	ND(0.14)	NS	NS	NS	NS	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1260	ND(0.14)	NS	NS	NS	NS	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)
Total PCBs	ND(0.14)	NS	NS	NS	NS	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)
PCBs-Filtered											
Aroclor-1016	ND(0.11)	NS	NS	NS	NS	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)
Aroclor-1221	ND(0.11)	NS	NS	NS	NS	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)
Aroclor-1232	ND(0.11)	NS	NS	NS	NS	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)
Aroclor-1242	ND(0.11)	NS	NS	NS	NS	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)
Aroclor-1248	ND(0.11)	NS	NS	NS	NS	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)
Aroclor-1254	ND(0.11)	NS	NS	NS	NS	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)
Aroclor-1260	ND(0.11)	NS	NS	NS	NS	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)
Total PCBs	ND(0.11)	NS	NS	NS	NS	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-12-07 05/16/01	RFI-12-08 05/16/01	RFI-12-10 05/31/01	RFI-12-11S 09/19/01	RFI-12-15 09/18/01	RFI-12-21 12/06/01	RFI-16-01 08/14/01	RFI-16-01 09/20/01	RFI-16-02 05/18/01	RFI-16-03 05/17/01	RFI-16-04 08/10/01
Volatiles											
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2,2-Tetrachloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	ND(1.0)	NS	NS	NS	ND(1.0)
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	ND(1.0)	NS	NS	NS	ND(1.0)
1,1-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.8	NS	ND(1.0)	0.55 J	ND(1.0)
1,1-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	3.6
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	ND(25)	ND(25)	7.6 J	ND(25)	ND(25)	ND(25)	ND(30)	NS	12 J	ND(25)	ND(25)
2-Hexanone	ND(50)	ND(50)	ND(50)	ND(50)	1.2 J	ND(50)	ND(50)	NS	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	ND(50)	ND(50)	1.0 J	ND(50)	0.89 J	ND(50)	ND(50)	NS	ND(50)	ND(50)	ND(50)
Acetone	ND(25)	ND(25)	ND(25)	ND(25)	26	2.7 J	6.3 J	NS	21 J	ND(25)	ND(25) J
Benzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2	ND(1.0)	ND(1.0)	NS	ND(1.0)	0.14 J	2
Benzene, isopropyl	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)
Bromodichloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	NS	ND(1.0)	ND(1.0)	ND(1.0) J
Carbon disulfide	ND(5.0)	ND(5.0)	1.4 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	9.1
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
Chloroform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	27	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0) J	ND(1.0) J	ND(1.0)
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	ND(5.0) J	ND(5.0) J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0) J	ND(5.0) J	0.63 J
Dibromochloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	33	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	0.14 J	ND(1.0)	ND(1.0)	1.3	ND(1.0)	ND(1.0)	NS	0.13 J	ND(1.0)	ND(1.0)
Methyl acetate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	2.5 J	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	0.95 J
Methylene chloride	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)
Styrene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	NS	ND(1.0)	ND(1.0)	ND(1.0)
Toluene	0.14 J	0.28 J	0.71 J	ND(1.0)	3.8	ND(1.0)	ND(1.0)	NS	0.43 J	ND(1.0)	ND(1.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-12-07 05/16/01	RFI-12-08 05/16/01	RFI-12-10 05/31/01	RFI-12-11S 09/19/01	RFI-12-15 09/18/01	RFI-12-21 12/06/01	RFI-16-01 08/14/01	RFI-16-01 09/20/01	RFI-16-02 05/18/01	RFI-16-03 05/17/01	RFI-16-04 08/10/01
trans-1,2-Dichloroethene	ND(1.0)	0.21 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	0.25 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	40(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
m&p-Xylene	ND(2.0)	0.21 J	ND(2.0)	ND(2.0)	2.2	ND(2.0)	ND(2.0)	NS	0.14 J	ND(2.0)	ND(2.0)
o-Xylene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.5	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes (total)	ND(2.0)	0.21	ND(2.0)	ND(2.0)	3.7	ND(2.0)	ND(2.0)	NS	0.14	ND(2.0)	ND(2.0)
Semivolatiles											
2,4,5-Trichlorophenol	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
2,4,6-Trichlorophenol	ND(4.0)	ND(4.0)	ND(5.0)	ND(4.1)	ND(4.2)	ND(4.0)	ND(4.2)	NS	ND(4.0)	ND(4.0)	ND(4.2)
2,4-Dichlorophenol	ND(10)	ND(10)	ND(5.0)	ND(10)	ND(11)	ND(10)	ND(11)	NS	ND(10)	ND(10)	ND(11)
2,4-Dimethylphenol	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
2,4-Dinitrophenol	ND(20) J	ND(20)	ND(20)	ND(21) J	ND(21) J	ND(20)	ND(21)	NS	ND(20)	ND(20) J	ND(21) J
2,4-Dinitrotoluene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
2,6-Dinitrotoluene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
2-Chloronaphthalene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
2-Chlorophenol	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
2-Methyl naphthalene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	3.1 J	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
2-Methylphenol	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	2.2 J	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
2-Nitroaniline	ND(20)	ND(20)	ND(20)	ND(21)	ND(21)	ND(20)	ND(21)	NS	ND(20)	ND(20)	ND(21)
2-Nitrophenol	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
3&4-Methylphenol	ND(10)	ND(10)	ND(10)	ND(10) J	4.5 J	ND(10)	ND(11) J	NS	ND(10)	ND(10)	ND(11) J
3,3-Dichlorobenzidine	ND(20)	ND(20)	ND(20)	ND(21)	ND(21)	ND(20)	ND(21)	NS	ND(20)	ND(20)	ND(21)
3-Nitroaniline	ND(20)	ND(20)	ND(20)	ND(21)	ND(21)	ND(20)	ND(21) J	NS	ND(20)	ND(20)	ND(21)
4,6-Dinitro-2-methylphenol	ND(20)	ND(20)	ND(20)	ND(21)	ND(21)	ND(20)	ND(21)	NS	ND(20)	ND(20) J	ND(21)
4-Bromophenyl phenyl ether	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
4-Chloro-3-methylphenol	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
4-Chloroaniline	ND(20)	ND(20)	ND(20)	ND(21)	ND(21)	ND(20)	ND(21) J	NS	ND(20)	ND(20)	ND(21)
4-Chlorophenyl phenyl ether	ND(5.0)	ND(5.0)	ND(5.0)	5.1 R	5.3 R	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
4-Nitroaniline	ND(20)	ND(20)	ND(20)	ND(21)	ND(21)	ND(20)	ND(21) J	NS	ND(20)	ND(20)	ND(21)
4-Nitrophenol	ND(20)	ND(20)	ND(20)	ND(21)	ND(21)	ND(20)	ND(21) J	NS	ND(20)	ND(20)	ND(21) J
Acenaphthene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
Acenaphthylene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
Acetophenone	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
Anthracene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
Atrazine	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3) J	NS	ND(5.0)	ND(5.0)	ND(5.3) J
Benzaldehyde	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	1.1 J	NS	ND(5.0)	ND(5.0)	ND(5.3) J
Benzo(a)anthracene	ND(1.0)	ND(1.0)	ND(5.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.1)	NS	ND(1.0)	ND(1.0)	ND(1.1)
Benzo(a)pyrene	ND(2.0)	ND(2.0)	ND(5.0)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.1) J	NS	ND(2.0)	ND(2.0)	ND(2.1)
Benzo(b)fluoranthene	ND(2.0)	ND(2.0)	ND(5.0)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.1) J	NS	ND(2.0)	ND(2.0)	ND(2.1)
Benzo(g,h,i)perylene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3) J	NS	ND(5.0)	ND(5.0)	ND(5.3)
Benzo(k)fluoranthene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3) J	NS	ND(5.0)	ND(5.0)	ND(5.3)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-12-07 05/16/01	RFI-12-08 05/16/01	RFI-12-10 05/31/01	RFI-12-11S 09/19/01	RFI-12-15 09/18/01	RFI-12-21 12/06/01	RFI-16-01 08/14/01	RFI-16-01 09/20/01	RFI-16-02 05/18/01	RFI-16-03 05/17/01	RFI-16-04 08/10/01
Biphenyl	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3) J
bis(2-Chloroethoxy)methane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
bis(2-Chloroethyl)ether	ND(1.0)	ND(1.0)	ND(5.0) J	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.1)	NS	ND(1.0)	ND(1.0) J	ND(1.1)
bis(2-Chloroisopropyl)ether	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
bis(2-Ethylhexyl)phthalate	2.6 J	73(RDW,IDW)	520 D(RDW,IDW,GCC,GAI)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	89(RDW,IDW)	100(RDW,IDW)	4.5 J
Butyl benzylphthalate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
Caprolactam	ND(10)	ND(10)	ND(10) J	ND(10)	ND(11)	ND(10)	ND(11)	NS	ND(10)	ND(10)	ND(11)
Carbazole	ND(10)	ND(10)	ND(5.0)	ND(10)	1.2 J	ND(10)	ND(11) J	NS	ND(10)	ND(10)	ND(11)
Chrysene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
Di-n-butylphthalate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
Di-n-octyl phthalate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3) J	NS	ND(5.0)	ND(5.0)	ND(5.3)
Dibenzo(a,h)anthracene	ND(2.0)	ND(2.0)	ND(5.0)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.1) J	NS	ND(2.0)	ND(2.0)	ND(2.1)
Dibenzofuran	ND(4.0)	ND(4.0)	ND(5.0)	ND(4.1)	ND(4.2)	ND(4.0)	ND(4.2)	NS	ND(4.0)	ND(4.0)	ND(4.2)
Diethyl phthalate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
Dimethyl phthalate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
Fluoranthene	ND(2.0)	ND(2.0)	ND(5.0)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.1)	NS	ND(2.0)	ND(2.0)	ND(2.1)
Fluorene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
Hexachlorobenzene	ND(1.0)	ND(1.0)	ND(5.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.1)	NS	ND(1.0)	ND(1.0)	ND(1.1)
Hexachlorobutadiene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
Hexachlorocyclopentadiene	ND(5.0)	ND(5.0) J	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3) J	NS	ND(5.0)	ND(5.0)	ND(5.3)
Hexachloroethane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
Indeno(1,2,3-cd)pyrene	ND(2.0)	ND(2.0)	ND(5.0)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.1) J	NS	ND(2.0)	ND(2.0)	ND(2.1)
Isophorone	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
Methylphenols, Total	ND(10)	ND(10)	ND(10)	ND(10)	6.7	ND(10)	ND(11)	NS	ND(10)	ND(10)	ND(11)
N-Nitrosodi-n-propylamine	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
N-Nitrosodiphenylamine	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
Naphthalene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	41	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
Nitrobenzene	ND(2.0)	ND(2.0)	ND(5.0)	ND(2.1)	ND(2.1)	ND(2.0)	ND(2.1)	NS	ND(2.0)	ND(2.0)	ND(2.1)
Pentachlorophenol	ND(20)	ND(20)	ND(5.0)	ND(21)	ND(21)	ND(20)	ND(21)	NS	ND(20)	ND(20)	ND(21)
Phenanthrene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	0.85 J	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
Phenol	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.1)	4.0 J	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
Pyrene	ND(5.0)	ND(5.0)	0.94 J	ND(5.1)	ND(5.3)	ND(5.0)	ND(5.3)	NS	ND(5.0)	ND(5.0)	ND(5.3)
Inorganics											
Antimony	NS	NS	NS	NS	NS	0.48 J	NS	NS	NS	NS	NS
Arsenic	NS	NS	NS	NS	NS	7.2	NS	NS	NS	NS	NS
Barium	NS	NS	NS	NS	NS	160	NS	NS	NS	NS	NS
Beryllium	NS	NS	NS	NS	NS	ND(0.40)	NS	NS	NS	NS	NS
Cadmium	NS	NS	NS	NS	NS	0.069 J	NS	NS	NS	NS	NS
Chromium	NS	NS	NS	NS	NS	1.8	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	4.6	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	NS	4.4	NS	NS	NS	NS	NS
Cyanide (total)	NS	NS	NS	ND(5.0)	ND(5.0)	ND(5.0)	NS	3.0 J	NS	NS	NS
Lead	NS	NS	NS	NS	NS	0.14 J	NS	NS	NS	NS	NS
Manganese	NS	NS	NS	NS	NS	310	NS	NS	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-12-07 05/16/01	RFI-12-08 05/16/01	RFI-12-10 05/31/01	RFI-12-11S 09/19/01	RFI-12-15 09/18/01	RFI-12-21 12/06/01	RFI-16-01 08/14/01	RFI-16-01 09/20/01	RFI-16-02 05/18/01	RFI-16-03 05/17/01	RFI-16-04 08/10/01
Mercury	NS	NS	NS	ND(0.20)	ND(0.20)	ND(0.20)	NS	ND(0.20)	NS	NS	NS
Nickel	NS	NS	NS	NS	NS	12	NS	NS	NS	NS	NS
Selenium	NS	NS	NS	NS	NS	ND(1.4)	NS	NS	NS	NS	NS
Silver	NS	NS	NS	NS	NS	0.35 J	NS	NS	NS	NS	NS
Thallium	NS	NS	NS	NS	NS	0.066 J	NS	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	NS	0.44 J	NS	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	NS	8	NS	NS	NS	NS	NS
Inorganics-Filtered											
Antimony	ND(1.9)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(2.1)	NS	ND(1.2)	ND(1.2)	ND(1.2)
Arsenic	1.4 J	2.0 J	7.5	ND(1.0)	3.4	6.5	7.3	NS	1.8	25	2.6
Barium	120 J	230 J	73	180	14	120	280	NS	86	65	150
Beryllium	ND(0.42)	ND(0.42)	ND(0.40)	ND(0.40)	ND(0.40)	0.94	ND(0.40)	NS	ND(0.42)	ND(0.42)	ND(0.40)
Cadmium	ND(0.21)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.20)	0.23	ND(0.20)	NS	ND(0.21)	ND(0.21)	ND(0.20)
Chromium	7.1 J	2.2 J	1.6	ND(0.60)	ND(0.60)	0.83	7.1	NS	6.5	4.5	4.2
Cobalt	0.40 J	ND(0.21)	0.47	0.81	ND(0.20)	3.2	2.1	NS	3.6	0.54	0.38
Copper	4.0 J	2.0 J	3.2	27	23	ND(0.60)	5.5	NS	3.4	1.5	26 J
Cyanide (total)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) J	ND(5.0) J	ND(5.0)	3.6 J	NS	ND(5.0)	ND(5.0)	ND(5.0)
Lead	2.0 J	1.1 J	ND(0.40)	0.6	ND(0.40)	ND(0.40)	ND(0.40)	NS	ND(0.42)	ND(0.42)	ND(0.40)
Manganese	200	74	17	310	ND(0.40)	210	880 J(RDW)	NS	330	400	160
Mercury	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	ND(0.20)	ND(0.20)	ND(0.20)
Nickel	7.0 J	4.3 J	3.8	8.8	1.5	6.9	48	NS	14	5.1	3.3
Selenium	ND(2.5)	ND(2.3)	2.6	2.0 J	1.5 J	ND(1.4)	10 J	NS	ND(1.5)	ND(1.5)	11
Silver	0.61 J	ND(0.42)	ND(0.40) J	ND(0.40) J	ND(0.40) J	ND(0.40)	2.9 J	NS	ND(0.42)	ND(0.42)	ND(0.40) J
Thallium	ND(0.21)	ND(0.21)	ND(0.20)	ND(0.20)	ND(0.20)	0.3	ND(0.20)	NS	ND(0.21)	ND(0.21)	ND(0.20)
Vanadium	2.0 J	2.7 J	12(RDW)	ND(0.80)	3.9	ND(0.80)	3.7	NS	9.0(RDW)	1.3	3.2
Zinc	12 J	16 J	ND(6.0)	28	6.9	6.8	14	NS	8.2	6.8	13
PCBs											
Aroclor-1016	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	NS	ND(0.13)	ND(0.10)	ND(0.10)
Aroclor-1221	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	NS	ND(0.13)	ND(0.10)	ND(0.10)
Aroclor-1232	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	NS	ND(0.13)	ND(0.10)	ND(0.10)
Aroclor-1242	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	NS	ND(0.13)	ND(0.10)	ND(0.10)
Aroclor-1248	ND(0.10)	ND(0.10)	ND(0.10)	0.046 J	ND(0.11)	ND(0.10)	ND(0.11)	NS	ND(0.13)	ND(0.10)	ND(0.10)
Aroclor-1254	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	NS	ND(0.13)	ND(0.10)	ND(0.10)
Aroclor-1260	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	NS	ND(0.13)	ND(0.10)	ND(0.10)
Total PCBs	ND(0.10)	ND(0.10)	ND(0.10)	0.046	ND(0.11)	ND(0.10)	ND(0.11)	NS	ND(0.13)	ND(0.10)	ND(0.10)
PCBs-Filtered											
Aroclor-1016	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.12)	NS	ND(0.12)	ND(0.10)	ND(0.10)
Aroclor-1221	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.12)	NS	ND(0.12)	ND(0.10)	ND(0.10)
Aroclor-1232	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.12)	NS	ND(0.12)	ND(0.10)	ND(0.10)
Aroclor-1242	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.12)	NS	ND(0.12)	ND(0.10)	ND(0.10)
Aroclor-1248	ND(0.10)	ND(0.10)	ND(0.10)	0.026 J	ND(0.11)	ND(0.10)	ND(0.12)	NS	ND(0.12)	ND(0.10)	ND(0.10)
Aroclor-1254	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.12)	NS	ND(0.12)	ND(0.10)	ND(0.10)
Aroclor-1260	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.12)	NS	ND(0.12)	ND(0.10)	ND(0.10)
Total PCBs	ND(0.10)	ND(0.10)	ND(0.10)	0.026	ND(0.11)	ND(0.10)	ND(0.12)	NS	ND(0.12)	ND(0.10)	ND(0.10)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-16-04 09/18/01	RFI-16-05 05/17/01	RFI-16-06 05/17/01	RFI-16-07 08/10/01	RFI-16-07 09/18/01	RFI-16-09 08/10/01	RFI-16-09 09/18/01	RFI-16-11 08/13/01	RFI-16-11 09/18/01	RFI-16-12 02/28/02	RFI-16-20 12/12/01
Volatiles											
1,1,1-Trichloroethane	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
1,1,2,2-Tetrachloroethane	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	NS	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	NS	NS
1,1-Dichloroethane	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
1,1-Dichloroethene	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
1,2-Dichloroethane	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
1,2-Dichloropropane	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
2-Butanone	NS	ND(25)	2.5 J	ND(25) [ND(25)]	NS	ND(25)	NS	ND(31)	NS	3.6 J	ND(25)
2-Hexanone	NS	ND(50)	ND(50)	ND(50) [ND(50)]	NS	ND(50)	NS	ND(50)	NS	ND(50)	ND(50)
4-Methyl-2-pentanone	NS	ND(50)	ND(50)	ND(50) [ND(50)]	NS	ND(50)	NS	ND(50)	NS	ND(50)	ND(50)
Acetone	NS	ND(25)	ND(25)	ND(25) J [ND(25) J]	NS	ND(25) J	NS	6.9 J	NS	12 J	ND(25)
Benzene	NS	ND(1.0)	0.63 J	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	18(RDW,IDW)	NS	ND(1.0)	ND(1.0)
Benzene, isopropyl	NS	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	NS	0.54 J	NS	3.2 J	ND(5.0)
Bromodichloromethane	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
Bromoform	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
Bromomethane	NS	ND(1.0)	ND(1.0)	ND(1.0) J [ND(1.0) J]	NS	ND(1.0) J	NS	ND(1.0) J	NS	ND(1.0)	ND(1.0)
Carbon disulfide	NS	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Carbon tetrachloride	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
Chlorobenzene	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
Chloroethane	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
Chloroform	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
Chloromethane	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	0.53 J	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	NS	ND(1.0) J	ND(1.0) J	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	0.90 J	ND(1.0)
cis-1,3-Dichloropropene	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
Cyclohexane	NS	ND(5.0) J	ND(5.0) J	ND(5.0) [ND(5.0)]	NS	ND(5.0)	NS	3.8 J	NS	ND(5.0)	ND(5.0)
Dibromochloromethane	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
Ethylbenzene	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
Methyl acetate	NS	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	NS	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Methylcyclohexane	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	0.73 J	NS	ND(1.0)	ND(1.0)
Methylene chloride	NS	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Styrene	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
Tetrachloroethene	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0) J	NS	ND(1.0)	ND(1.0)
Toluene	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-16-04 09/18/01	RFI-16-05 05/17/01	RFI-16-06 05/17/01	RFI-16-07 08/10/01	RFI-16-07 09/18/01	RFI-16-09 08/10/01	RFI-16-09 09/18/01	RFI-16-11 08/13/01	RFI-16-11 09/18/01	RFI-16-12 02/28/02	RFI-16-20 12/12/01
trans-1,2-Dichloroethene	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
trans-1,3-Dichloropropene	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
Trichloroethene	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	0.52 J
Trichlorofluoromethane (CFC-11)	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
Vinyl chloride	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
m&p-Xylene	NS	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]	NS	ND(2.0)	NS	ND(2.0)	NS	ND(2.0)	ND(2.0)
o-Xylene	NS	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
Xylenes (total)	NS	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]	NS	ND(2.0)	NS	ND(2.0)	NS	ND(2.0)	ND(2.0)
Semivolatiles											
2,4,5-Trichlorophenol	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
2,4,6-Trichlorophenol	NS	ND(4.3)	ND(4.4)	ND(4.2) [ND(4.2)]	NS	ND(4.2)	NS	ND(4.0)	NS	ND(4.0)	ND(4.0)
2,4-Dichlorophenol	NS	ND(11)	ND(11)	ND(11) [ND(11)]	NS	ND(11)	NS	ND(10)	NS	ND(10)	ND(10)
2,4-Dimethylphenol	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
2,4-Dinitrophenol	NS	ND(22)	ND(22)	ND(21) J [ND(21) J]	NS	ND(21) J	NS	ND(20)	NS	ND(20)	ND(20)
2,4-Dinitrotoluene	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
2,6-Dinitrotoluene	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
2-Chloronaphthalene	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
2-Chlorophenol	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
2-Methyl naphthalene	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
2-Methylphenol	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
2-Nitroaniline	NS	ND(22)	ND(22)	ND(21) [ND(21)]	NS	ND(21)	NS	ND(20)	NS	ND(20)	ND(20)
2-Nitrophenol	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
3&4-Methylphenol	NS	ND(11)	ND(11)	ND(11) J [ND(11) J]	NS	ND(11) J	NS	ND(10) J	NS	ND(10)	ND(10)
3,3-Dichlorobenzidine	NS	ND(22)	ND(22)	ND(21) [ND(21)]	NS	ND(21)	NS	ND(20)	NS	ND(20)	ND(20)
3-Nitroaniline	NS	ND(22)	ND(22)	ND(21) [ND(21)]	NS	ND(21)	NS	ND(20) J	NS	ND(20)	ND(20)
4,6-Dinitro-2-methylphenol	NS	ND(22)	ND(22)	ND(21) [ND(21)]	NS	ND(21)	NS	ND(20)	NS	ND(20)	ND(20)
4-Bromophenyl phenyl ether	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
4-Chloro-3-methylphenol	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
4-Chloroaniline	NS	ND(22)	ND(22)	ND(21) [ND(21)]	NS	ND(21)	NS	ND(20) J	NS	ND(20)	ND(20)
4-Chlorophenyl phenyl ether	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
4-Nitroaniline	NS	ND(22)	ND(22)	ND(21) [ND(21)]	NS	ND(21)	NS	ND(20) J	NS	ND(20)	ND(20)
4-Nitrophenol	NS	ND(22)	ND(22)	ND(21) J [ND(21) J]	NS	ND(21) J	NS	ND(20)	NS	ND(20)	ND(20)
Acenaphthene	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Acenaphthylene	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Acetophenone	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Anthracene	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Atrazine	NS	ND(5.4)	ND(5.6)	ND(5.3) J [ND(5.3) J]	NS	ND(5.3) J	NS	ND(5.0) J	NS	ND(5.0)	ND(5.0)
Benzaldehyde	NS	ND(5.4)	ND(5.6)	ND(5.3) J [ND(5.3) J]	NS	ND(5.3) J	NS	ND(5.0) J	NS	ND(5.0)	ND(5.0)
Benzo(a)anthracene	NS	ND(1.1)	ND(1.1)	ND(1.1) [ND(1.1)]	NS	ND(1.1)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
Benzo(a)pyrene	NS	ND(2.2)	ND(2.2)	ND(2.1) [ND(2.1)]	NS	ND(2.1)	NS	ND(2.0)	NS	ND(2.0)	ND(2.0)
Benzo(b)fluoranthene	NS	ND(2.2)	ND(2.2)	ND(2.1) [ND(2.1)]	NS	ND(2.1)	NS	ND(2.0)	NS	ND(2.0)	ND(2.0)
Benzo(g,h,i)perylene	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Benzo(k)fluoranthene	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-16-04 09/18/01	RFI-16-05 05/17/01	RFI-16-06 05/17/01	RFI-16-07 08/10/01	RFI-16-07 09/18/01	RFI-16-09 08/10/01	RFI-16-09 09/18/01	RFI-16-11 08/13/01	RFI-16-11 09/18/01	RFI-16-12 02/28/02	RFI-16-20 12/12/01
Biphenyl	NS	ND(5.4)	ND(5.6)	ND(5.3) J [ND(5.3) J]	NS	ND(5.3) J	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
bis(2-Chloroethoxy)methane	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
bis(2-Chloroethyl)ether	NS	ND(1.1)	ND(1.1)	ND(1.1) [ND(1.1)]	NS	ND(1.1)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
bis(2-Chloroisopropyl)ether	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
bis(2-Ethylhexyl)phthalate	NS	220 D(RDW,IDW)	11(RDW,IDW)	ND(5.3) [1.1 J]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	7.5(RDW,IDW)
Butyl benzylphthalate	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Caprolactam	NS	ND(11)	ND(11)	ND(11) [ND(11)]	NS	ND(11)	NS	ND(10)	NS	ND(10)	ND(10)
Carbazole	NS	ND(11)	ND(11)	ND(11) [ND(11)]	NS	ND(11)	NS	ND(10) J	NS	ND(10)	ND(10)
Chrysene	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Di-n-butylphthalate	NS	ND(5.4)	ND(5.6)	ND(5.3) [2.1 J]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Di-n-octyl phthalate	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Dibenzo(a,h)anthracene	NS	ND(2.2)	ND(2.2)	ND(2.1) [ND(2.1)]	NS	ND(2.1)	NS	ND(2.0)	NS	ND(2.0)	ND(2.0)
Dibenzofuran	NS	ND(4.3)	ND(4.4)	ND(4.2) [ND(4.2)]	NS	ND(4.2)	NS	ND(4.0)	NS	ND(4.0)	ND(4.0)
Diethyl phthalate	NS	ND(5.4)	ND(5.6)	1.3 J [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	3.9 J	1.8 J
Dimethyl phthalate	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Fluoranthene	NS	ND(2.2)	ND(2.2)	ND(2.1) [ND(2.1)]	NS	ND(2.1)	NS	ND(2.0)	NS	ND(2.0)	ND(2.0)
Fluorene	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Hexachlorobenzene	NS	ND(1.1)	ND(1.1)	ND(1.1) [ND(1.1)]	NS	ND(1.1)	NS	ND(1.0)	NS	ND(1.0)	ND(1.0)
Hexachlorobutadiene	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Hexachlorocyclopentadiene	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0) J	NS	ND(5.0)	ND(5.0)
Hexachloroethane	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Indeno(1,2,3-cd)pyrene	NS	ND(2.2)	ND(2.2)	ND(2.1) [ND(2.1)]	NS	ND(2.1)	NS	ND(2.0)	NS	ND(2.0)	ND(2.0)
Isophorone	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Methylphenols, Total	NS	ND(11)	ND(11)	ND(11) [ND(11)]	NS	ND(11)	NS	ND(10)	NS	ND(10)	ND(10)
N-Nitrosodi-n-propylamine	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
N-Nitrosodiphenylamine	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Naphthalene	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Nitrobenzene	NS	ND(2.2)	ND(2.2)	ND(2.1) [ND(2.1)]	NS	ND(2.1)	NS	ND(2.0)	NS	ND(2.0)	ND(2.0)
Pentachlorophenol	NS	ND(22)	ND(22)	ND(21) [ND(21)]	NS	ND(21)	NS	ND(20)	NS	ND(20)	ND(20)
Phenanthrene	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Phenol	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Pyrene	NS	ND(5.4)	ND(5.6)	ND(5.3) [ND(5.3)]	NS	ND(5.3)	NS	ND(5.0)	NS	ND(5.0)	ND(5.0)
Inorganics											
Antimony	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.1 J
Arsenic	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.0 J
Barium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	200
Beryllium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.8
Cadmium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.58
Chromium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.5
Cobalt	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.5
Copper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.7
Cyanide (total)	12	NS	NS	NS	1.9 J	NS	4.1 J	NS	1.5 J	60	33
Lead	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.42
Manganese	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	12

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-16-04 09/18/01	RFI-16-05 05/17/01	RFI-16-06 05/17/01	RFI-16-07 08/10/01	RFI-16-07 09/18/01	RFI-16-09 08/10/01	RFI-16-09 09/18/01	RFI-16-11 08/13/01	RFI-16-11 09/18/01	RFI-16-12 02/28/02	RFI-16-20 12/12/01
Mercury	ND(0.20)	NS	NS	NS	ND(0.20)	NS	ND(0.20)	NS	ND(0.20)	ND(0.20)	ND(0.20)
Nickel	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5.7
Selenium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(1.4)
Silver	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.29 J
Thallium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.17 J
Vanadium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.80)
Zinc	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	9
Inorganics-Filtered											
Antimony	NS	2.3	ND(1.2)	ND(1.2) [ND(1.2)]	NS	2.8	NS	ND(3.1)	NS	3.2 J	ND(1.2)
Arsenic	NS	5.8	ND(1.0)	ND(1.0) [1.3 J]	NS	6.7	NS	19	NS	19	2.5
Barium	NS	20	74	7.3 [7.6]	NS	10	NS	120	NS	370	180
Beryllium	NS	ND(0.42)	ND(0.42)	ND(0.40) [ND(0.40)]	NS	ND(0.40)	NS	ND(0.40)	NS	44 J(RDW,IDW)	ND(0.40)
Cadmium	NS	ND(0.21)	ND(0.21)	ND(0.20) [ND(0.20)]	NS	ND(0.20)	NS	ND(0.20)	NS	3.2 J	ND(0.20)
Chromium	NS	4	5.6	0.88 J [ND(0.60)]	NS	2.9	NS	4	NS	21	3.3
Cobalt	NS	ND(0.21)	0.6	ND(0.20) [0.21 J]	NS	0.36	NS	0.36	NS	3.7	0.98
Copper	NS	5.8	2.5	20 J [5.5 J]	NS	100 J	NS	5.8	NS	14	3.4
Cyanide (total)	NS	3.5 J	ND(5.0)	ND(5.0) [ND(5.0)]	NS	4.5 J	NS	1.6 J	NS	62	34
Lead	NS	3.3	ND(0.42)	ND(0.40) [ND(0.40)]	NS	ND(0.40)	NS	ND(0.40)	NS	1.0 J	ND(0.40)
Manganese	NS	23	38	350 [370]	NS	22	NS	220 J	NS	1,200(RDW)	12
Mercury	NS	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.20)]	NS	ND(0.20)	NS	ND(0.20)	NS	ND(0.20)	ND(0.20)
Nickel	NS	1.1	12	0.97 [0.93]	NS	2.6	NS	5.1	NS	28	7.1
Selenium	NS	ND(1.5)	ND(1.5)	ND(1.4) [ND(1.4)]	NS	2.8	NS	3.6 J	NS	180 J(RDW,IDW)	4.6 J
Silver	NS	ND(0.42)	ND(0.42)	ND(0.40) J [ND(0.40) J]	NS	ND(0.40) J	NS	ND(0.40) J	NS	2.0 J	0.92
Thallium	NS	ND(0.21)	ND(0.21)	ND(0.20) [ND(0.20)]	NS	ND(0.20)	NS	ND(0.20)	NS	1.5	ND(0.20)
Vanadium	NS	10(RDW)	4.1	ND(0.80) [ND(0.80)]	NS	3.4	NS	0.97	NS	6.6(RDW)	ND(0.80)
Zinc	NS	9.6	ND(6.2)	18 J [ND(6.0)]	NS	6.2	NS	ND(6.0)	NS	49	6.8
PCBs											
Aroclor-1016	NS	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.11)]	NS	ND(0.11)	NS	ND(0.11)	NS	ND(0.10)	ND(0.11)
Aroclor-1221	NS	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.11)]	NS	ND(0.11)	NS	ND(0.11)	NS	ND(0.10)	ND(0.11)
Aroclor-1232	NS	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.11)]	NS	ND(0.11)	NS	ND(0.11)	NS	ND(0.10)	ND(0.11)
Aroclor-1242	NS	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.11)]	NS	ND(0.11)	NS	ND(0.11)	NS	ND(0.10)	ND(0.11)
Aroclor-1248	NS	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.11)]	NS	ND(0.11)	NS	ND(0.11)	NS	ND(0.10)	ND(0.11)
Aroclor-1254	NS	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.11)]	NS	ND(0.11)	NS	ND(0.11)	NS	ND(0.10)	ND(0.11)
Aroclor-1260	NS	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.11)]	NS	ND(0.11)	NS	ND(0.11)	NS	ND(0.10)	ND(0.11)
Total PCBs	NS	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.11)]	NS	ND(0.11)	NS	ND(0.11)	NS	ND(0.10)	ND(0.11)
PCBs-Filtered											
Aroclor-1016	NS	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	NS	ND(0.11)	NS	ND(0.11)	NS	ND(0.10)	ND(0.11)
Aroclor-1221	NS	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	NS	ND(0.11)	NS	ND(0.11)	NS	ND(0.10)	ND(0.11)
Aroclor-1232	NS	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	NS	ND(0.11)	NS	ND(0.11)	NS	ND(0.10)	ND(0.11)
Aroclor-1242	NS	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	NS	ND(0.11)	NS	ND(0.11)	NS	ND(0.10)	ND(0.11)
Aroclor-1248	NS	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	NS	ND(0.11)	NS	ND(0.11)	NS	ND(0.10)	ND(0.11)
Aroclor-1254	NS	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	NS	ND(0.11)	NS	ND(0.11)	NS	ND(0.10)	ND(0.11)
Aroclor-1260	NS	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	NS	ND(0.11)	NS	ND(0.11)	NS	ND(0.10)	ND(0.11)
Total PCBs	NS	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	NS	ND(0.11)	NS	ND(0.11)	NS	ND(0.10)	ND(0.11)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-17-01 05/22/01	RFI-17-02 10/03/01	RFI-17-02x 10/03/01	RFI-21-01 06/25/01	RFI-21-02 06/27/01	RFI-21-03 06/21/01	RFI-21-04 11/19/01	RFI-23-01 09/18/01	RFI-23-02 09/18/01	RFI-29-01 05/23/01	RFI-36-02 10/04/01
Volatiles											
1,1,1-Trichloroethane	0.74 J	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.70 J	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2,2-Tetrachloroethane	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	ND(1.0)	ND(1.0)	NS	1.2	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.76 J
1,1-Dichloroethene	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	4.2 J	ND(25)	NS	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	1.4 J	ND(25)
2-Hexanone	ND(50)	ND(50)	NS	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	ND(50)	ND(50)	NS	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
Acetone	3.6 J	ND(25)	NS	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	2.4 J	ND(25)
Benzene	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Benzene, isopropyl	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Bromodichloromethane	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Carbon disulfide	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroform	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0) J	ND(1.0)	NS	4	ND(1.0)	2.7 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	ND(5.0) J	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) J	ND(5.0)
Dibromochloromethane	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methyl acetate	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Styrene	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0)	ND(1.0) J	NS	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J
Toluene	0.76 J	ND(1.0)	NS	0.61 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-17-01 05/22/01	RFI-17-02 10/03/01	RFI-17-02x 10/03/01	RFI-21-01 06/25/01	RFI-21-02 06/27/01	RFI-21-03 06/21/01	RFI-21-04 11/19/01	RFI-23-01 09/18/01	RFI-23-02 09/18/01	RFI-29-01 05/23/01	RFI-36-02 10/04/01
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)	NS	12(RDW,IDW)	ND(1.0)	5.1(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	ND(1.0)	NS	3.2(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
m&p-Xylene	ND(2.0)	ND(2.0)	NS	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
o-Xylene	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes (total)	ND(2.0)	ND(2.0)	NS	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Semivolatiles											
2,4,5-Trichlorophenol	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
2,4,6-Trichlorophenol	ND(4.0)	ND(4.0)	NS	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.4)	ND(4.0)	ND(4.0)
2,4-Dichlorophenol	ND(10)	ND(10)	NS	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(11)	ND(10)	ND(10)
2,4-Dimethylphenol	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
2,4-Dinitrophenol	ND(20) J	ND(20)	NS	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(22)	ND(20) J	ND(20)
2,4-Dinitrotoluene	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
2,6-Dinitrotoluene	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
2-Chloronaphthalene	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
2-Chlorophenol	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
2-Methyl naphthalene	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
2-Methylphenol	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
2-Nitroaniline	ND(20)	ND(20)	NS	ND(20)	ND(20)	0.68 J	ND(20)	ND(20)	ND(22)	ND(20)	ND(20)
2-Nitrophenol	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
3&4-Methylphenol	ND(10)	ND(10) J	NS	ND(10)	ND(10) J	ND(10)	ND(10) J	ND(10) J	ND(11) J	ND(10)	ND(10) J
3,3-Dichlorobenzidine	ND(20)	ND(20)	NS	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(22)	ND(20)	ND(20)
3-Nitroaniline	ND(20)	ND(20)	NS	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(22)	ND(20)	ND(20)
4,6-Dinitro-2-methylphenol	ND(20) J	ND(20)	NS	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(22)	ND(20)	ND(20)
4-Bromophenyl phenyl ether	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
4-Chloro-3-methylphenol	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
4-Chloroaniline	ND(20)	ND(20)	NS	ND(20) J	ND(20)	ND(20)	ND(20)	ND(20)	ND(22)	ND(20)	ND(20)
4-Chlorophenyl phenyl ether	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5.0 R	5.6 R	ND(5.0)	ND(5.0)
4-Nitroaniline	ND(20)	ND(20)	NS	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(22)	ND(20)	ND(20)
4-Nitrophenol	ND(20)	ND(20)	NS	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(22)	ND(20)	ND(20)
Acenaphthene	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Acenaphthylene	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Acetophenone	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Anthracene	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Atrazine	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Benzaldehyde	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0) J	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Benzo(a)anthracene	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	0.78 J	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)
Benzo(a)pyrene	ND(2.0)	ND(2.0)	NS	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.0)
Benzo(b)fluoranthene	ND(2.0)	ND(2.0)	NS	ND(2.0)	ND(2.0)	ND(2.0) J	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.0)
Benzo(g,h,i)perylene	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0) J	ND(5.0) J	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Benzo(k)fluoranthene	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-17-01 05/22/01	RFI-17-02 10/03/01	RFI-17-02x 10/03/01	RFI-21-01 06/25/01	RFI-21-02 06/27/01	RFI-21-03 06/21/01	RFI-21-04 11/19/01	RFI-23-01 09/18/01	RFI-23-02 09/18/01	RFI-29-01 05/23/01	RFI-36-02 10/04/01
Biphenyl	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
bis(2-Chloroethoxy)methane	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
bis(2-Chloroethyl)ether	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)
bis(2-Chloroisopropyl)ether	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
bis(2-Ethylhexyl)phthalate	14(RDW,IDW)	ND(5.0)	NS	42(RDW,IDW)	110(RDW,IDW)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	240 D(RDW,IDW)	ND(5.0)
Butyl benzylphthalate	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Caprolactam	ND(10)	ND(10)	NS	ND(10)	2.9 J	ND(10)	ND(10)	ND(10)	ND(11)	ND(10)	ND(10)
Carbazole	ND(10)	ND(10)	NS	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(11)	ND(10)	ND(10)
Chrysene	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Di-n-butylphthalate	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Di-n-octyl phthalate	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Dibenzo(a,h)anthracene	ND(2.0)	ND(2.0)	NS	ND(2.0)	ND(2.0)	ND(2.0) J	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.0)
Dibenzofuran	ND(4.0)	ND(4.0)	NS	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.4)	ND(4.0)	ND(4.0)
Diethyl phthalate	ND(5.0)	ND(5.0)	NS	ND(5.0)	1.4 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Dimethyl phthalate	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Fluoranthene	ND(2.0)	ND(2.0)	NS	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.0)
Fluorene	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Hexachlorobenzene	ND(1.0)	ND(1.0)	NS	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)
Hexachlorobutadiene	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Hexachlorocyclopentadiene	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Hexachloroethane	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Indeno(1,2,3-cd)pyrene	ND(2.0)	ND(2.0)	NS	ND(2.0)	ND(2.0)	ND(2.0) J	ND(2.0) J	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.0)
Isophorone	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Methylphenols, Total	ND(10)	ND(10)	NS	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(11)	ND(10)	ND(10)
N-Nitrosodi-n-propylamine	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
N-Nitrosodiphenylamine	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Naphthalene	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Nitrobenzene	ND(2.0)	ND(2.0)	NS	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.0)
Pentachlorophenol	ND(20)	ND(20)	NS	ND(20)	ND(20)	2.1 J(RDW,IDW)	ND(20)	ND(20)	ND(22)	ND(20)	ND(20)
Phenanthrene	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Phenol	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Pyrene	ND(5.0)	ND(5.0)	NS	ND(5.0)	ND(5.0)	ND(5.0) J	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)
Inorganics											
Antimony	NS	NS	0.44 J	NS	NS	NS	ND(1.2) J	NS	NS	NS	ND(1.2)
Arsenic	NS	NS	5.5 J	NS	NS	NS	2.3 J	NS	NS	NS	85(RDW,IDW)
Barium	NS	NS	140 J	NS	NS	NS	570 J	NS	NS	NS	400
Beryllium	NS	NS	ND(0.40)	NS	NS	NS	ND(0.40) J	NS	NS	NS	0.74
Cadmium	NS	NS	0.093 J	NS	NS	NS	2.3 J	NS	NS	NS	ND(0.20)
Chromium	NS	NS	1.9 J	NS	NS	NS	ND(0.60)	NS	NS	NS	1
Cobalt	NS	NS	0.50 J	NS	NS	NS	4.5	NS	NS	NS	14
Copper	NS	NS	2.6 J	NS	NS	NS	ND(0.60)	NS	NS	NS	1.9
Cyanide (total)	NS	1.1 J	ND(5.0)	NS	NS	NS	3.5 J	11	7.7	NS	ND(5.0)
Lead	NS	NS	0.77 J	NS	NS	NS	ND(0.40)	NS	NS	NS	0.51
Manganese	NS	NS	33 J	NS	NS	NS	8,200 J(RDW,IDW)	NS	NS	NS	1,200(RDW)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-17-01 05/22/01	RFI-17-02 10/03/01	RFI-17-02x 10/03/01	RFI-21-01 06/25/01	RFI-21-02 06/27/01	RFI-21-03 06/21/01	RFI-21-04 11/19/01	RFI-23-01 09/18/01	RFI-23-02 09/18/01	RFI-29-01 05/23/01	RFI-36-02 10/04/01
Mercury	NS	ND(0.20)	ND(0.20)	NS	NS	NS	ND(0.20)	ND(0.20)	ND(0.20)	NS	ND(0.20)
Nickel	NS	NS	6.9 J	NS	NS	NS	18	NS	NS	NS	130(RDW,IDW)
Selenium	NS	NS	7.3 J(GSI)	NS	NS	NS	ND(1.4)	NS	NS	NS	ND(1.4)
Silver	NS	NS	0.45 J(GSI)	NS	NS	NS	0.090 J	NS	NS	NS	ND(0.40)
Thallium	NS	NS	0.055 J	NS	NS	NS	0.13 J	NS	NS	NS	0.18 J
Vanadium	NS	NS	1.2 J	NS	NS	NS	ND(0.80)	NS	NS	NS	ND(0.80)
Zinc	NS	NS	29 J	NS	NS	NS	ND(6.0)	NS	NS	NS	18
Inorganics-Filtered											
Antimony	ND(1.2)	ND(1.2)	NS	1.3	ND(1.2)	ND(1.9)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
Arsenic	2.4 J	1.4 J	NS	1.3	3.6	8.3	4.3	ND(1.0)	2.3	ND(1.0)	57(RDW,IDW)
Barium	100	0.40 R	NS	260	300 J	850 J	710	120	130	43	0.40 R
Beryllium	ND(0.40)	ND(0.40) J	NS	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40) J
Cadmium	ND(0.20)	ND(0.20)	NS	0.23	0.33	0.5	2.8	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
Chromium	4.4	ND(0.60) J	NS	2.1	ND(0.60)	0.95	3.7	1.3	0.83	1.8 J	ND(0.60) J
Cobalt	0.36	ND(0.20)	NS	8.0 J	1.7	7.1	5	0.39	1.1	0.44	8.4
Copper	11	1.2 J	NS	3.4	1.6	8.3	ND(0.60)	16	9.5	2.1	10 J
Cyanide (total)	ND(5.0)	1.6 J	NS	ND(5.0)	ND(5.0)	3.1 J	7.5	10	8.7	3.7 J	ND(5.0)
Lead	ND(0.40)	ND(0.40)	NS	ND(0.40)	ND(0.40)	0.51	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)
Manganese	5.6	71	NS	1,800(RDW)	500 J	2,800(RDW,IDW)	9,200 J(RDW,IDW)	1.9	13	730	780
Mercury	ND(0.20)	ND(0.20)	NS	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
Nickel	6.1	2.5	NS	ND(17) J	10	17	21	3.1	5.2	1.5	77
Selenium	11 J(GSI)	3	NS	ND(1.4)	2.6	ND(1.4)	ND(1.4)	ND(1.4)	4.7 J	ND(1.4)	1.4
Silver	ND(0.40)	ND(0.40) J	NS	0.84	0.41	0.46	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40) J
Thallium	ND(0.20)	ND(0.20)	NS	ND(0.32)	0.37	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
Vanadium	4.1	ND(0.80)	NS	13 J(RDW)	7.5(RDW)	8.5(RDW)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)
Zinc	35 J	9.9 J	NS	12	16	36	ND(6.0)	9.7	12	6.6	19 J
PCBs											
Aroclor-1016	ND(0.10)	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1221	ND(0.10)	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1232	ND(0.10)	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1242	ND(0.10)	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1248	ND(0.10)	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1254	ND(0.10)	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1260	ND(0.10)	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)
Total PCBs	ND(0.10)	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)
PCBs-Filtered											
Aroclor-1016	ND(0.10)	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1221	ND(0.10)	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1232	ND(0.10)	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1242	ND(0.10)	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1248	ND(0.10)	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1254	ND(0.10)	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1260	ND(0.10)	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
Total PCBs	ND(0.10)	ND(0.10)	NS	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-36-03 09/27/01	RFI-36-04 09/28/01	RFI-36-05 09/21/01	RFI-36-08 09/27/01	RFI-36-09 09/27/01	RFI-36-10 09/28/01	RFI-36-11 09/21/01	RFI-36-12 09/28/01	RFI-36-13 11/09/01
Volatiles									
1,1,1-Trichloroethane	42	ND(1.0) J	480 D(RDW,IDW) [440 D(RDW,IDW)]	ND(1.0)	10	21	11	1.4	12
1,1,2,2-Tetrachloroethane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	ND(1.0)	ND(1.0)	1.9 [1.9]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	4.5	0.82 J	490 D [450 D]	2.1	ND(1.0)	2	14	24	4.6
1,1-Dichloroethene	ND(1.0)	ND(1.0)	14(RDW,IDW) [14(RDW,IDW)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	0.70 J [0.76 J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	ND(25)	ND(25)	ND(25) [ND(25)]	3.8 J	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-Hexanone	ND(50)	ND(50)	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	ND(50)	ND(50)	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
Acetone	ND(25)	ND(25)	ND(25) [ND(25)]	8.5 J	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
Benzene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	590 D(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Benzene, isopropyl	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	22	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Bromodichloromethane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0)	ND(1.0)	ND(1.0) J [ND(1.0) J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)
Carbon disulfide	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	7.4 [7.1]	0.76 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroform	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	ND(1.0)	4.5 [4.3]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	12	3
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	0.79 J	ND(5.0)	ND(5.0) [ND(5.0)]	44 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Dibromochloromethane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	430 D	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methyl acetate	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0)	ND(5.0)	7.4 J [7.6]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	150 D	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Styrene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.7	0.82 J
Toluene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	2,800 D(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.75 J

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID:	RFI-36-03	RFI-36-04	RFI-36-05	RFI-36-08	RFI-36-09	RFI-36-10	RFI-36-11	RFI-36-12	RFI-36-13
Date Collected:	09/27/01	09/28/01	09/21/01	09/27/01	09/27/01	09/28/01	09/21/01	09/28/01	11/09/01
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	0.64 J [0.66 J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	0.68 J	ND(1.0) J	6.3(RDW,IDW) [6.2(RDW,IDW)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.2	29(RDW,IDW)
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	2.1	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	ND(1.0)	8.0(RDW,IDW) [7.6(RDW,IDW)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	6.2(RDW,IDW)
m&p-Xylene	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]	2,000 D	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
o-Xylene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	750 D	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes (total)	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]	2800	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Semivolatiles									
2,4,5-Trichlorophenol	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
2,4,6-Trichlorophenol	ND(4.1)	ND(4.1)	ND(4.0) [ND(4.0)]	ND(4.4)	ND(4.0)	ND(4.0)	ND(4.4)	ND(4.4)	ND(4.0)
2,4-Dichlorophenol	ND(10)	ND(10)	ND(10) [ND(10)]	ND(11)	ND(10)	ND(10)	ND(11)	ND(11)	ND(10)
2,4-Dimethylphenol	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	97	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
2,4-Dinitrophenol	ND(21)	ND(21)	ND(20) [ND(20)]	ND(22)	ND(20) J	ND(20)	ND(22)	ND(22)	ND(20)
2,4-Dinitrotoluene	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
2,6-Dinitrotoluene	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
2-Chloronaphthalene	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
2-Chlorophenol	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
2-Methyl naphthalene	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
2-Methylphenol	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	21	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
2-Nitroaniline	ND(21)	ND(21)	ND(20) [ND(20)]	ND(22)	ND(20)	ND(20)	ND(22)	ND(22)	ND(20)
2-Nitrophenol	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
3&4-Methylphenol	ND(10)	ND(10) J	ND(10) J [ND(10)]	42 J	ND(10) J	ND(10) J	ND(11) J	ND(11) J	ND(10)
3,3-Dichlorobenzidine	ND(21)	ND(21)	ND(20) [ND(20)]	ND(22)	ND(20)	ND(20)	ND(22)	ND(22)	ND(20)
3-Nitroaniline	ND(21)	ND(21)	ND(20) [ND(20)]	ND(22)	ND(20)	ND(20)	ND(22)	ND(22)	ND(20)
4,6-Dinitro-2-methylphenol	ND(21)	ND(21)	ND(20) [ND(20)]	ND(22)	ND(20)	ND(20)	ND(22)	ND(22)	ND(20)
4-Bromophenyl phenyl ether	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
4-Chloro-3-methylphenol	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
4-Chloroaniline	ND(21)	ND(21)	ND(20) [ND(20)]	ND(22)	ND(20)	ND(20)	ND(22)	ND(22)	ND(20)
4-Chlorophenyl phenyl ether	ND(5.1)	ND(5.1)	5.0 R [5.0 R]	ND(5.6)	ND(5.0)	ND(5.0)	5.6 R	ND(5.6)	ND(5.0)
4-Nitroaniline	ND(21)	ND(21)	ND(20) [ND(20)]	ND(22)	ND(20)	ND(20)	ND(22)	ND(22)	ND(20)
4-Nitrophenol	ND(21)	ND(21)	ND(20) [ND(20)]	ND(22)	ND(20)	ND(20)	ND(22)	ND(22)	ND(20)
Acenaphthene	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Acenaphthylene	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Acetophenone	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Anthracene	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Atrazine	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6) J	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Benzaldehyde	ND(5.1)	ND(5.1) J	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0) J	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Benzo(a)anthracene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1) J	ND(1.1)	ND(1.0)
Benzo(a)pyrene	ND(2.1)	ND(2.1)	ND(2.0) [ND(2.0) J]	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.2)	ND(2.0)
Benzo(b)fluoranthene	ND(2.1)	ND(2.1)	ND(2.0) [ND(2.0) J]	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.2)	ND(2.0)
Benzo(g,h,i)perylene	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0) J]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Benzo(k)fluoranthene	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0) J]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-36-03 09/27/01	RFI-36-04 09/28/01	RFI-36-05 09/21/01	RFI-36-08 09/27/01	RFI-36-09 09/27/01	RFI-36-10 09/28/01	RFI-36-11 09/21/01	RFI-36-12 09/28/01	RFI-36-13 11/09/01
Biphenyl	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
bis(2-Chloroethoxy)methane	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
bis(2-Chloroethyl)ether	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.1)	ND(1.0)
bis(2-Chloroisopropyl)ether	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
bis(2-Ethylhexyl)phthalate	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Butyl benzylphthalate	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Caprolactam	ND(10)	ND(10)	ND(10) [ND(10)]	ND(11)	ND(10)	ND(10)	ND(11)	ND(11)	ND(10)
Carbazole	ND(10)	ND(10)	ND(10) [ND(10)]	ND(11)	ND(10)	ND(10)	ND(11)	ND(11)	ND(10)
Chrysene	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Di-n-butylphthalate	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	2.6 J
Di-n-octyl phthalate	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0) J]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Dibenzo(a,h)anthracene	ND(2.1)	ND(2.1)	ND(2.0) [ND(2.0) J]	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.2)	ND(2.0)
Dibenzofuran	ND(4.1)	ND(4.1)	ND(4.0) [ND(4.0)]	ND(4.4)	ND(4.0)	ND(4.0)	ND(4.4)	ND(4.4)	ND(4.0)
Diethyl phthalate	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	1.7 J
Dimethyl phthalate	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Fluoranthene	ND(2.1)	ND(2.1)	ND(2.0) [ND(2.0)]	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.2)	ND(2.0)
Fluorene	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Hexachlorobenzene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.1)	ND(1.0)
Hexachlorobutadiene	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Hexachlorocyclopentadiene	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Hexachloroethane	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Indeno(1,2,3-cd)pyrene	ND(2.1)	ND(2.1)	ND(2.0) [ND(2.0) J]	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.2)	ND(2.0)
Isophorone	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Methylphenols, Total	ND(10)	ND(10)	ND(10) [ND(10)]	63	ND(10)	ND(10)	ND(11)	ND(11)	ND(10)
N-Nitrosodi-n-propylamine	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
N-Nitrosodiphenylamine	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Naphthalene	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	11	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Nitrobenzene	ND(2.1)	ND(2.1)	ND(2.0) [ND(2.0)]	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.2)	ND(2.0)
Pentachlorophenol	ND(21)	ND(21)	ND(20) [ND(20)]	ND(22)	ND(20)	ND(20)	ND(22)	ND(22)	ND(20)
Phenanthrene	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Phenol	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Pyrene	ND(5.1)	ND(5.1)	ND(5.0) [ND(5.0)]	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.6)	ND(5.0)
Inorganics									
Antimony	ND(1.2)	NS	NS	NS	1.2 J	NS	NS	NS	0.70 J
Arsenic	1.5 J	NS	NS	NS	5.0 J	NS	NS	NS	1.9
Barium	150	NS	NS	NS	810	NS	NS	NS	440
Beryllium	0.74	NS	NS	NS	8.1(RDW,IDW)	NS	NS	NS	ND(0.40)
Cadmium	0.31	NS	NS	NS	3.1	NS	NS	NS	0.54
Chromium	2	NS	NS	NS	190(RDW,IDW)	NS	NS	NS	1.1
Cobalt	0.84	NS	NS	NS	3.5	NS	NS	NS	4.9
Copper	2.3	NS	NS	NS	14	NS	NS	NS	12
Cyanide (total)	11	ND(5.0)	2.1 J [ND(5.0)]	ND(5.0)	16	15	ND(5.0)	ND(5.0)	ND(5.0)
Lead	0.37 J	NS	NS	NS	0.77	NS	NS	NS	ND(0.40)
Manganese	110	NS	NS	NS	35	NS	NS	NS	2,000(RDW)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-36-03 09/27/01	RFI-36-04 09/28/01	RFI-36-05 09/21/01	RFI-36-08 09/27/01	RFI-36-09 09/27/01	RFI-36-10 09/28/01	RFI-36-11 09/21/01	RFI-36-12 09/28/01	RFI-36-13 11/09/01
Mercury	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)	ND(0.20)
Nickel	6.3	NS	NS	NS	27	NS	NS	NS	15
Selenium	ND(1.4)	NS	NS	NS	ND(1.4)	NS	NS	NS	35
Silver	ND(0.40)	NS	NS	NS	1.5	NS	NS	NS	0.61 J
Thallium	0.15 J	NS	NS	NS	0.62	NS	NS	NS	0.067 J
Vanadium	ND(0.80)	NS	NS	NS	380(RDW,IDW)	NS	NS	NS	ND(0.80)
Zinc	7.1	NS	NS	NS	39	NS	NS	NS	17
Inorganics-Filtered									
Antimony	ND(1.2)	ND(1.2)	ND(1.2) [ND(1.2)]	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
Arsenic	1.4	81(RDW,IDW)	5.1 [4.6]	39	5.9	ND(1.0)	4.7	ND(2.2)	2.2 J
Barium	170	480	220 [220 J]	300	550	110	61	50	340
Beryllium	ND(0.40)	ND(0.40)	ND(0.40) [ND(0.40)]	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)
Cadmium	0.37	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)	0.99	0.22	ND(0.20)	ND(0.20)	0.38
Chromium	1.4	ND(0.60)	0.83 [0.72]	ND(0.60)	2.8	ND(0.60)	ND(0.60)	ND(0.60)	13
Cobalt	0.78	2.6	11 [11]	0.71	0.82	1.6	0.63	0.58	4
Copper	2.1	1.3	4 [9.7]	0.89	2.5	ND(2.5)	4	ND(0.60)	5.1
Cyanide (total)	10	ND(5.0)	3.7 J [ND(5.0)]	1.6 J	17	16	ND(5.0)	1.0 J	1.2 J
Lead	ND(0.40)	ND(0.40)	0.61 [0.63]	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)
Manganese	120 J	330 J	1,100(RDW) [1,100(RDW)]	360 J	23 J	720	330	200	1,600(RDW)
Mercury	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)	ND(0.20)
Nickel	6.4	43	69 [70]	4.7	15	5.8	4.1	4	13
Selenium	4.2 J	2.9	1.8 J [ND(1.4)]	3.3 J	9.4	19	ND(1.4)	2.2 J	ND(1.4)
Silver	ND(0.40)	ND(0.40)	0.96 [0.71 J]	ND(0.40) J	ND(0.40) J	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)
Thallium	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)	ND(0.20)
Vanadium	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)	2.9 J
Zinc	ND(6.0)	15 J	30 [22]	12	15	6.8	11	6.6	16
PCBs									
Aroclor-1016	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)
Aroclor-1221	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)
Aroclor-1232	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)
Aroclor-1242	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)
Aroclor-1248	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)
Aroclor-1254	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)
Aroclor-1260	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)
Total PCBs	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)
PCBs-Filtered									
Aroclor-1016	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1221	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1232	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1242	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1248	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1254	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
Aroclor-1260	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)
Total PCBs	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-36-14 10/02/01	RFI-36-14 02/20/02	RFI-36-14x 10/02/01	RFI-36-17 09/28/01	RFI-36-18 09/28/01	RFI-36-19 09/28/01	RFI-36-20 09/28/01	RFI-36-23 02/20/02	RFI-36-24 10/05/01	RFI-36-25R 02/26/02
Volatiles										
1,1,1-Trichloroethane	ND(1.0) [ND(1.0)]	310 D(RDW,IDW)	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2,2-Tetrachloroethane	ND(1.0) J [ND(1.0) J]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.1	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0) [ND(5.0)]	NS	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	ND(1.0) [ND(1.0)]	750 D	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.7	68	1.8
1,1-Dichloroethene	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	13(RDW,IDW)	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.84 J	ND(1.0)	ND(1.0)
1,2-Dichloropropane	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	ND(25) [ND(25)]	NS	NS	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-Hexanone	ND(50) [ND(50)]	NS	NS	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	ND(50) [ND(50)]	NS	NS	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
Acetone	ND(25) [ND(25)]	NS	NS	ND(25)	ND(25)	ND(25)	ND(25)	1.7 J	ND(25)	ND(25)
Benzene	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.60 J	ND(1.0)
Benzene, isopropyl	ND(5.0) [ND(5.0)]	NS	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Bromodichloromethane	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Carbon disulfide	ND(5.0) [ND(5.0)]	NS	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroform	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	150 D(RDW,IDW)	ND(1.0)
cis-1,3-Dichloropropene	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	ND(5.0) [ND(5.0)]	NS	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Dibromochloromethane	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methyl acetate	ND(5.0) [ND(5.0)]	NS	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0) [ND(5.0)]	NS	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	ND(5.0) [ND(5.0)]	NS	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Styrene	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)
Toluene	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-36-14 10/02/01	RFI-36-14 02/20/02	RFI-36-14x 10/02/01	RFI-36-17 09/28/01	RFI-36-18 09/28/01	RFI-36-19 09/28/01	RFI-36-20 09/28/01	RFI-36-23 02/20/02	RFI-36-24 10/05/01	RFI-36-25R 02/26/02
trans-1,2-Dichloroethene	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	6.4	ND(1.0)
trans-1,3-Dichloropropene	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0) [ND(1.0)]	NS	NS	0.74 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	99(RDW,IDW)	ND(1.0)
Trichlorofluoromethane (CFC-11)	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	3.2	2.6	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	4.6(RDW,IDW)	ND(1.0)
m&p-Xylene	ND(2.0) [ND(2.0)]	NS	NS	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	0.62 J
o-Xylene	ND(1.0) [ND(1.0)]	NS	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes (total)	ND(2.0) [ND(2.0)]	NS	NS	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	0.62
Semivolatiles										
2,4,5-Trichlorophenol	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
2,4,6-Trichlorophenol	ND(4.1) [ND(4.0)]	NS	NS	NS	NS	NS	ND(4.1)	ND(4.4)	ND(4.0)	ND(4.0)
2,4-Dichlorophenol	ND(10) [ND(10)]	NS	NS	NS	NS	NS	ND(10)	ND(11)	ND(10)	ND(10)
2,4-Dimethylphenol	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
2,4-Dinitrophenol	ND(21) [ND(20)]	NS	NS	NS	NS	NS	ND(21)	ND(22)	ND(20)	ND(20)
2,4-Dinitrotoluene	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
2,6-Dinitrotoluene	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
2-Chloronaphthalene	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
2-Chlorophenol	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
2-Methyl naphthalene	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
2-Methylphenol	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
2-Nitroaniline	ND(21) [ND(20)]	NS	NS	NS	NS	NS	ND(21)	ND(22)	ND(20)	ND(20)
2-Nitrophenol	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
3&4-Methylphenol	ND(10) J [ND(10) J]	NS	NS	NS	NS	NS	ND(10)	ND(11)	ND(10) J	ND(10)
3,3-Dichlorobenzidine	ND(21) [ND(20)]	NS	NS	NS	NS	NS	ND(21)	ND(22)	ND(20)	ND(20)
3-Nitroaniline	ND(21) [ND(20)]	NS	NS	NS	NS	NS	ND(21)	ND(22)	ND(20)	ND(20)
4,6-Dinitro-2-methylphenol	ND(21) [ND(20)]	NS	NS	NS	NS	NS	ND(21)	ND(22)	ND(20)	ND(20)
4-Bromophenyl phenyl ether	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
4-Chloro-3-methylphenol	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
4-Chloroaniline	ND(21) [ND(20)]	NS	NS	NS	NS	NS	ND(21)	ND(22)	ND(20)	ND(20)
4-Chlorophenyl phenyl ether	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
4-Nitroaniline	ND(21) [ND(20)]	NS	NS	NS	NS	NS	ND(21)	ND(22)	ND(20)	ND(20)
4-Nitrophenol	ND(21) [ND(20)]	NS	NS	NS	NS	NS	ND(21)	ND(22)	ND(20)	ND(20)
Acenaphthene	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Acenaphthylene	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Acetophenone	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Anthracene	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Atrazine	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Benzaldehyde	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1) J	ND(5.6)	ND(5.0)	ND(5.0)
Benzo(a)anthracene	ND(1.0) [ND(1.0)]	NS	NS	NS	NS	NS	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)
Benzo(a)pyrene	ND(2.1) [ND(2.0)]	NS	NS	NS	NS	NS	ND(2.1)	ND(2.2)	ND(2.0)	ND(2.0)
Benzo(b)fluoranthene	ND(2.1) [ND(2.0)]	NS	NS	NS	NS	NS	ND(2.1)	ND(2.2)	ND(2.0)	ND(2.0)
Benzo(g,h,i)perylene	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Benzo(k)fluoranthene	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-36-14 10/02/01	RFI-36-14 02/20/02	RFI-36-14x 10/02/01	RFI-36-17 09/28/01	RFI-36-18 09/28/01	RFI-36-19 09/28/01	RFI-36-20 09/28/01	RFI-36-23 02/20/02	RFI-36-24 10/05/01	RFI-36-25R 02/26/02
Biphenyl	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
bis(2-Chloroethoxy)methane	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
bis(2-Chloroethyl)ether	ND(1.0) [ND(1.0)]	NS	NS	NS	NS	NS	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)
bis(2-Chloroisopropyl)ether	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
bis(2-Ethylhexyl)phthalate	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Butyl benzylphthalate	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Caprolactam	ND(10) [ND(10)]	NS	NS	NS	NS	NS	ND(10)	ND(11)	ND(10)	ND(10)
Carbazole	ND(10) [ND(10)]	NS	NS	NS	NS	NS	ND(10)	ND(11)	ND(10)	ND(10)
Chrysene	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Di-n-butylphthalate	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Di-n-octyl phthalate	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Dibenzo(a,h)anthracene	ND(2.1) [ND(2.0)]	NS	NS	NS	NS	NS	ND(2.1)	ND(2.2)	ND(2.0)	ND(2.0)
Dibenzofuran	ND(4.1) [ND(4.0)]	NS	NS	NS	NS	NS	ND(4.1)	ND(4.4)	ND(4.0)	ND(4.0)
Diethyl phthalate	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Dimethyl phthalate	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Fluoranthene	ND(2.1) [ND(2.0)]	NS	NS	NS	NS	NS	ND(2.1)	ND(2.2)	ND(2.0)	ND(2.0)
Fluorene	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Hexachlorobenzene	ND(1.0) [ND(1.0)]	NS	NS	NS	NS	NS	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)
Hexachlorobutadiene	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Hexachlorocyclopentadiene	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Hexachloroethane	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Indeno(1,2,3-cd)pyrene	ND(2.1) [ND(2.0)]	NS	NS	NS	NS	NS	ND(2.1)	ND(2.2)	ND(2.0)	ND(2.0)
Isophorone	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Methylphenols, Total	ND(10) [ND(10)]	NS	NS	NS	NS	NS	ND(10)	ND(11)	ND(10)	ND(10)
N-Nitrosodi-n-propylamine	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
N-Nitrosodiphenylamine	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Naphthalene	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Nitrobenzene	ND(2.1) [ND(2.0)]	NS	NS	NS	NS	NS	ND(2.1)	ND(2.2)	ND(2.0)	ND(2.0)
Pentachlorophenol	ND(21) [ND(20)]	NS	NS	NS	NS	NS	ND(21)	ND(22)	ND(20)	ND(20)
Phenanthrene	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Phenol	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Pyrene	ND(5.2) [ND(5.0)]	NS	NS	NS	NS	NS	ND(5.1)	ND(5.6)	ND(5.0)	ND(5.0)
Inorganics										
Antimony	ND(1.2) [ND(1.2)]	NS	ND(2.1)	NS	NS	NS	NS	NS	NS	NS
Arsenic	1.4 J [1.6 J]	NS	ND(1.8)	NS	NS	NS	NS	NS	NS	NS
Barium	290 [350]	NS	560 J	NS	NS	NS	NS	NS	NS	NS
Beryllium	0.34 J [6.9(RDW,IDW)]	NS	ND(0.40)	NS	NS	NS	NS	NS	NS	NS
Cadmium	0.38 [0.75]	NS	0.72 J	NS	NS	NS	NS	NS	NS	NS
Chromium	0.92 [1.6]	NS	1.1 J	NS	NS	NS	NS	NS	NS	NS
Cobalt	2.4 [3.6]	NS	5.0 J	NS	NS	NS	NS	NS	NS	NS
Copper	2.9 [3.8]	NS	27 J	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	1.5 J [ND(5.0)]	NS	1.2 J	NS	NS	NS	NS	ND(5.0)	ND(5.0)	ND(5.0)
Lead	0.38 J [0.17 J]	NS	0.54 J	NS	NS	NS	NS	NS	NS	NS
Manganese	1,500(RDW) [2,500(RDW)]	620	3,700 J(RDW,IDW)	NS	NS	NS	NS	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-36-14 10/02/01	RFI-36-14 02/20/02	RFI-36-14x 10/02/01	RFI-36-17 09/28/01	RFI-36-18 09/28/01	RFI-36-19 09/28/01	RFI-36-20 09/28/01	RFI-36-23 02/20/02	RFI-36-24 10/05/01	RFI-36-25R 02/26/02
Mercury	ND(0.20) [ND(0.20)]	NS	ND(0.20)	NS	NS	NS	NS	ND(0.20)	ND(0.20)	ND(0.20)
Nickel	11 [17]	5.5	21 J	NS	NS	NS	NS	NS	NS	NS
Selenium	0.49 J [4.8 J]	NS	ND(2.8)	NS	NS	NS	NS	NS	NS	NS
Silver	ND(0.40) [0.27 J]	NS	1.5 J	NS	NS	NS	NS	NS	NS	NS
Thallium	0.17 J [0.27]	NS	0.24 J	NS	NS	NS	NS	NS	NS	NS
Vanadium	ND(0.80) [ND(0.80)]	NS	ND(0.80)	NS	NS	NS	NS	NS	NS	NS
Zinc	14 [21]	NS	32 J	NS	NS	NS	NS	NS	NS	NS
Inorganics-Filtered										
Antimony	ND(1.2) [ND(1.2)]	NS	NS	NS	NS	NS	NS	ND(1.2)	ND(1.2)	ND(1.2)
Arsenic	ND(1.0) [ND(1.0)]	NS	NS	NS	NS	NS	NS	77(RDW,IDW)	1.6	5
Barium	250 [240]	NS	NS	NS	NS	NS	NS	42	0.40 R	420
Beryllium	ND(0.40) [ND(0.40)]	NS	NS	NS	NS	NS	NS	1.7 J	ND(0.40) J	6.7 J(RDW,IDW)
Cadmium	0.39 [0.37]	NS	NS	NS	NS	NS	NS	ND(0.20)	0.32	0.56 J
Chromium	ND(0.60) [ND(0.60)]	NS	NS	NS	NS	NS	NS	7	ND(0.60) J	16
Cobalt	2 [2.1]	NS	NS	NS	NS	NS	NS	0.32	0.65	1.1
Copper	ND(5.0) [ND(1.8)]	NS	NS	NS	NS	NS	NS	0.64	5.5 J	3.1
Cyanide (total)	1.3 J [1.5 J]	NS	NS	NS	NS	NS	NS	ND(5.0)	ND(5.0)	1.6 J
Lead	ND(0.40) [ND(0.40)]	NS	NS	NS	NS	NS	NS	ND(0.40)	0.91	ND(0.40)
Manganese	1,500(RDW) [1,500(RDW)]	650	NS	NS	NS	NS	NS	58	250	630
Mercury	ND(0.20) [ND(0.20)]	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.20)	ND(0.20)
Nickel	7.2 [170(RDW,IDW)]	5.3	NS	NS	NS	NS	NS	12	3.6	12
Selenium	35 [32]	NS	NS	NS	NS	NS	NS	ND(1.4)	ND(1.4)	2.4 J
Silver	ND(0.40) [ND(0.40)]	NS	NS	NS	NS	NS	NS	ND(0.40)	ND(0.40) J	1.2
Thallium	ND(0.20) [ND(0.20)]	NS	NS	NS	NS	NS	NS	ND(0.20)	ND(0.20)	0.35
Vanadium	ND(0.80) [ND(0.80)]	NS	NS	NS	NS	NS	NS	1.7	ND(0.80)	2.7 J
Zinc	17 [14]	NS	NS	NS	NS	NS	NS	13	19 J	14
PCBs										
Aroclor-1016	ND(0.10) [ND(0.10)]	NS	NS	NS	NS	NS	NS	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1221	ND(0.10) [ND(0.10)]	NS	NS	NS	NS	NS	NS	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1232	ND(0.10) [ND(0.10)]	NS	NS	NS	NS	NS	NS	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1242	ND(0.10) [ND(0.10)]	NS	NS	NS	NS	NS	NS	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1248	ND(0.10) [ND(0.10)]	NS	NS	NS	NS	NS	NS	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1254	ND(0.10) [ND(0.10)]	NS	NS	NS	NS	NS	NS	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1260	ND(0.10) [ND(0.10)]	NS	NS	NS	NS	NS	NS	ND(0.10)	ND(0.10)	ND(0.10)
Total PCBs	ND(0.10) [ND(0.10)]	NS	NS	NS	NS	NS	NS	ND(0.10)	ND(0.10)	ND(0.10)
PCBs-Filtered										
Aroclor-1016	ND(0.10)	NS	NS	NS	NS	NS	NS	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1221	ND(0.10)	NS	NS	NS	NS	NS	NS	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1232	ND(0.10)	NS	NS	NS	NS	NS	NS	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1242	ND(0.10)	NS	NS	NS	NS	NS	NS	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1248	ND(0.10)	NS	NS	NS	NS	NS	NS	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1254	ND(0.10)	NS	NS	NS	NS	NS	NS	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1260	ND(0.10)	NS	NS	NS	NS	NS	NS	ND(0.10)	ND(0.10)	ND(0.10)
Total PCBs	ND(0.10)	NS	NS	NS	NS	NS	NS	ND(0.10)	ND(0.10)	ND(0.10)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-36-27 02/20/02	RFI-36-29 10/03/01	RFI-36-29R 02/26/02	RFI-36-31 10/05/01	RFI-36-32 09/28/01	RFI-36-35 09/27/01	RFI-36-37 09/28/01	RFI-36-43 02/26/02	RFI-36-44 02/20/02
Volatiles									
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.85 J	51
1,1,2,2-Tetrachloroethane	ND(1.0)	ND(1.0) J	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	0.83 J	49	24 [26]	6.1	ND(1.0)	61	220 D	16	30
1,1-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	2.1	ND(1.0)	ND(1.0)	5.7	ND(1.0)	2.2
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	2.1	2 [2.4]	ND(1.0)	ND(1.0)	ND(1.0)	4	ND(1.0)	0.61 J
1,2-Dichloropropane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	ND(25)	1.2 J	ND(25) [ND(25)]	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-Hexanone	ND(50)	ND(50)	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50)	31 J	16 J
4-Methyl-2-pentanone	ND(50)	ND(50)	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50)	2.0 J	ND(50)
Acetone	1.7 J	ND(25)	6.5 J [5.7 J]	ND(25)	ND(25)	ND(25)	ND(25)	7.6 J	1.2 J
Benzene	ND(1.0)	87(RDW,IDW)	45(RDW,IDW) [47(RDW,IDW)]	ND(1.0)	0.53 J	0.52 J	3.2	6,000 D(RIA,RDW,IDW)	ND(1.0)
Benzene, isopropyl	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	34	ND(5.0)
Bromodichloromethane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Carbon disulfide	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	1.3	40 [42]	ND(1.0)	ND(1.0)	50	180 D	3.7	12
Chloroform	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	7.2	5.8 [6.6]	ND(1.0)	ND(1.0)	11	2.8	6.5	0.83 J
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	12	ND(5.0)
Dibromochloromethane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1,300 D(RDW,IDW)	ND(1.0)
Methyl acetate	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0)	15	7.1 [7.2]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3.9	ND(1.0)
Methylene chloride	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Styrene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Toluene	ND(1.0)	ND(1.7)	2.6 [2.9]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	20,000 D(RDW,IDW)	ND(1.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-36-27 02/20/02	RFI-36-29 10/03/01	RFI-36-29R 02/26/02	RFI-36-31 10/05/01	RFI-36-32 09/28/01	RFI-36-35 09/27/01	RFI-36-37 09/28/01	RFI-36-43 02/26/02	RFI-36-44 02/20/02
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	2.7	ND(1.0)	0.92 J	5.4(RDW,IDW)
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	4.0(RDW,IDW)	58(RDW,IDW) [60(RDW,IDW)]	ND(1.0)	ND(1.0)	0.83 J	2.7(RDW,IDW)	ND(1.0)	2
m&p-Xylene	ND(2.0)	ND(2.0)	0.80 J [0.80 J]	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	3,400 D	ND(2.0)
o-Xylene	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1,600 D	ND(1.0)
Xylenes (total)	ND(2.0)	ND(2.0)	0.8 [0.80]	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	5000	ND(2.0)
Semivolatiles									
2,4,5-Trichlorophenol	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
2,4,6-Trichlorophenol	ND(4.0)	NS	ND(4.0) [ND(4.0)]	ND(4.0)	ND(4.1)	ND(4.1)	ND(4.2)	NS	NS
2,4-Dichlorophenol	ND(10)	NS	ND(10) [ND(10)]	ND(10)	ND(10)	ND(10)	ND(11)	NS	NS
2,4-Dimethylphenol	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
2,4-Dinitrophenol	ND(20)	NS	ND(20) [ND(20)]	ND(20)	ND(21)	ND(21)	ND(21)	NS	NS
2,4-Dinitrotoluene	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
2,6-Dinitrotoluene	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
2-Chloronaphthalene	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
2-Chlorophenol	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
2-Methyl naphthalene	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
2-Methylphenol	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
2-Nitroaniline	ND(20)	NS	ND(20) [ND(20)]	ND(20)	ND(21)	ND(21)	ND(21)	NS	NS
2-Nitrophenol	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
3&4-Methylphenol	ND(10)	NS	ND(10) [ND(10)]	ND(10) J	ND(10) J	ND(10) J	ND(11) J	NS	NS
3,3-Dichlorobenzidine	ND(20)	NS	ND(20) [ND(20)]	ND(20)	ND(21)	ND(21)	ND(21)	NS	NS
3-Nitroaniline	ND(20)	NS	ND(20) [ND(20)]	ND(20)	ND(21)	ND(21)	ND(21)	NS	NS
4,6-Dinitro-2-methylphenol	ND(20)	NS	ND(20) [ND(20)]	ND(20)	ND(21)	ND(21)	ND(21)	NS	NS
4-Bromophenyl phenyl ether	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
4-Chloro-3-methylphenol	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
4-Chloroaniline	ND(20)	NS	ND(20) [ND(20)]	ND(20)	ND(21)	ND(21)	ND(21)	NS	NS
4-Chlorophenyl phenyl ether	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
4-Nitroaniline	ND(20)	NS	ND(20) [ND(20)]	ND(20)	ND(21)	ND(21)	ND(21)	NS	NS
4-Nitrophenol	ND(20)	NS	ND(20) [ND(20)]	ND(20)	ND(21)	ND(21)	ND(21)	NS	NS
Acenaphthene	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Acenaphthylene	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Acetophenone	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Anthracene	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Atrazine	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1) J	ND(5.3)	NS	NS
Benzaldehyde	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1) J	ND(5.1)	ND(5.3) J	NS	NS
Benzo(a)anthracene	ND(1.0)	NS	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.1)	NS	NS
Benzo(a)pyrene	ND(2.0)	NS	0.55 J [ND(2.0)]	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.1)	NS	NS
Benzo(b)fluoranthene	ND(2.0)	NS	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.1)	NS	NS
Benzo(g,h,i)perylene	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Benzo(k)fluoranthene	ND(5.0)	NS	0.72 J [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-36-27 02/20/02	RFI-36-29 10/03/01	RFI-36-29R 02/26/02	RFI-36-31 10/05/01	RFI-36-32 09/28/01	RFI-36-35 09/27/01	RFI-36-37 09/28/01	RFI-36-43 02/26/02	RFI-36-44 02/20/02
Biphenyl	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
bis(2-Chloroethoxy)methane	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
bis(2-Chloroethyl)ether	ND(1.0)	NS	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.1)	NS	NS
bis(2-Chloroisopropyl)ether	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
bis(2-Ethylhexyl)phthalate	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Butyl benzylphthalate	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Caprolactam	ND(10)	NS	ND(10) [ND(10)]	ND(10)	ND(10)	ND(10)	ND(11)	NS	NS
Carbazole	ND(10)	NS	ND(10) [ND(10)]	ND(10)	ND(10)	ND(10)	ND(11)	NS	NS
Chrysene	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Di-n-butylphthalate	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Di-n-octyl phthalate	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Dibenzo(a,h)anthracene	ND(2.0)	NS	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.1)	NS	NS
Dibenzofuran	ND(4.0)	NS	ND(4.0) [ND(4.0)]	ND(4.0)	ND(4.1)	ND(4.1)	ND(4.2)	NS	NS
Diethyl phthalate	1.2 J	NS	ND(5.0) [1.2 J]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Dimethyl phthalate	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Fluoranthene	ND(2.0)	NS	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.1)	NS	NS
Fluorene	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Hexachlorobenzene	ND(1.0)	NS	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.1)	NS	NS
Hexachlorobutadiene	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Hexachlorocyclopentadiene	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Hexachloroethane	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Indeno(1,2,3-cd)pyrene	ND(2.0)	NS	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.1)	NS	NS
Isophorone	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Methylphenols, Total	ND(10)	NS	ND(10) [ND(10)]	ND(10)	ND(10)	ND(10)	ND(11)	NS	NS
N-Nitrosodi-n-propylamine	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
N-Nitrosodiphenylamine	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Naphthalene	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Nitrobenzene	ND(2.0)	NS	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.1)	ND(2.1)	ND(2.1)	NS	NS
Pentachlorophenol	ND(20)	NS	ND(20) [ND(20)]	ND(20)	ND(21)	ND(21)	ND(21)	NS	NS
Phenanthrene	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Phenol	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Pyrene	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.1)	ND(5.1)	ND(5.3)	NS	NS
Inorganics									
Antimony	NS	NS	NS	NS	NS	0.71 J	NS	NS	NS
Arsenic	NS	NS	NS	NS	NS	20	NS	NS	NS
Barium	NS	NS	NS	NS	NS	700	NS	NS	NS
Beryllium	NS	NS	NS	NS	NS	3.6	NS	NS	NS
Cadmium	NS	NS	NS	NS	NS	1.3	NS	NS	NS
Chromium	NS	NS	NS	NS	NS	220(RDW,IDW)	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	9	NS	NS	NS
Copper	NS	NS	NS	NS	NS	11	NS	NS	NS
Cyanide (total)	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	0.96 J	1.6 J	1.4 J	NS	NS
Lead	NS	NS	NS	NS	NS	2.5	NS	NS	NS
Manganese	NS	NS	NS	NS	NS	850	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-36-27 02/20/02	RFI-36-29 10/03/01	RFI-36-29R 02/26/02	RFI-36-31 10/05/01	RFI-36-32 09/28/01	RFI-36-35 09/27/01	RFI-36-37 09/28/01	RFI-36-43 02/26/02	RFI-36-44 02/20/02
Mercury	ND(0.20)	NS	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	NS
Nickel	NS	NS	NS	NS	NS	31	NS	NS	NS
Selenium	NS	NS	NS	NS	NS	ND(1.4)	NS	NS	NS
Silver	NS	NS	NS	NS	NS	0.96	NS	NS	NS
Thallium	NS	NS	NS	NS	NS	0.58	NS	NS	NS
Vanadium	NS	NS	NS	NS	NS	210(RDW,IDW)	NS	NS	NS
Zinc	NS	NS	NS	NS	NS	34	NS	NS	NS
Inorganics-Filtered									
Antimony	1.9	NS	ND(1.2) [ND(1.2)]	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	NS	NS
Arsenic	76(RDW,IDW)	NS	79(RDW,IDW) [81(RDW,IDW)]	4.7	50	5	ND(3.1)	NS	4.7 J
Barium	430	NS	150 [160]	0.40 R	210	490	210	NS	NS
Beryllium	30 J(RDW,IDW)	NS	14 J(RDW,IDW) [11 J(RDW,IDW)]	ND(0.40) J	ND(0.40)	ND(0.40)	ND(0.40)	NS	NS
Cadmium	2.2 J	NS	0.99 J [0.71 J]	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	NS
Chromium	9.9	NS	13 [12]	ND(0.60) J	ND(0.60)	2.2	ND(0.60)	NS	NS
Cobalt	4.1	NS	1.6 [1.3]	1.2	3.3	6.3	0.93	NS	NS
Copper	9.7 J	NS	4.3 J [3.2 J]	6.0 J	2.8	7.8	ND(0.60)	NS	NS
Cyanide (total)	ND(5.0)	NS	ND(5.0) [ND(5.0)]	ND(5.0)	1.1 J	1.5 J	ND(5.0)	NS	NS
Lead	1.1 J	NS	0.47 [ND(0.40)]	ND(0.40)	1.8	3.9	ND(0.40)	NS	NS
Manganese	270	NS	110 [110]	710	1,600 J(RDW)	500 J	380	NS	NS
Mercury	ND(0.20)	NS	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	NS
Nickel	52	NS	15 [14]	5.3	13	23	6.4	NS	NS
Selenium	6.0 B,J	NS	1.5 J [ND(1.4)]	ND(1.4)	ND(1.4)	ND(1.4)	7.1	NS	NS
Silver	1.7 J	NS	0.52 J [0.52 J]	ND(0.40) J	ND(0.40)	ND(0.40)	ND(0.40)	NS	NS
Thallium	0.91 B,J	NS	0.63 [0.35]	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	NS
Vanadium	ND(0.80)	NS	1.5 J [1.8 J]	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	NS	NS
Zinc	29	NS	19 [11]	8.0 J	19 J	17 J	14	NS	NS
PCBs									
Aroclor-1016	ND(0.10)	NS	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	NS	NS
Aroclor-1221	ND(0.10)	NS	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	NS	NS
Aroclor-1232	ND(0.10)	NS	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	NS	NS
Aroclor-1242	ND(0.10)	NS	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	NS	NS
Aroclor-1248	ND(0.10)	NS	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	NS	NS
Aroclor-1254	ND(0.10)	NS	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	NS	NS
Aroclor-1260	ND(0.10)	NS	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	NS	NS
Total PCBs	ND(0.10)	NS	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	NS	NS
PCBs-Filtered									
Aroclor-1016	ND(0.10)	NS	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	NS	NS
Aroclor-1221	ND(0.10)	NS	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	NS	NS
Aroclor-1232	ND(0.10)	NS	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	NS	NS
Aroclor-1242	ND(0.10)	NS	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	NS	NS
Aroclor-1248	ND(0.10)	NS	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	NS	NS
Aroclor-1254	ND(0.10)	NS	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	NS	NS
Aroclor-1260	ND(0.10)	NS	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	NS	NS
Total PCBs	ND(0.10)	NS	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-36-45 02/20/02	RFI-36-46 02/25/02	RFI-38-04 09/27/01	RFI-38-05 09/28/01	RFI-38-06 09/28/01	RFI-38-06 02/21/02	RFI-40-01 05/29/01	RFI-40-03 02/25/02	RFI-40-04 02/25/02	RFI-40-07 02/25/02
Volatiles										
1,1,1-Trichloroethane	NS	33	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2,2-Tetrachloroethane	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	NS	55	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1-Dichloroethene	23(RDW,IDW)	12(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	3.7	0.76 J	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	ND(25)	ND(25)	ND(25)	ND(25)	ND(25) [ND(25)]	NS	ND(25)	ND(25)	ND(25)	ND(25)
2-Hexanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50) [ND(50)]	NS	ND(50)	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50) [ND(50)]	NS	ND(50)	ND(50)	ND(50)	ND(50)
Acetone	1.7 J	ND(25)	ND(25)	ND(25)	ND(25) [ND(25)]	NS	ND(25)	11 J	ND(25)	6.9 J
Benzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	0.13 J	ND(1.0)	ND(1.0)	0.86 J,B
Benzene, isopropyl	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Bromodichloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Carbon disulfide	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	74	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	3	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	4.8	ND(1.0)	ND(1.0)
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Dibromochloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	0.20 J	ND(1.0)	ND(1.0)	ND(1.0)
Methyl acetate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	4.3 J	1.0 J	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	2.1 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Styrene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Toluene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	0.54 J	ND(1.0)	ND(1.0)	ND(1.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-36-45 02/20/02	RFI-36-46 02/25/02	RFI-38-04 09/27/01	RFI-38-05 09/28/01	RFI-38-06 09/28/01	RFI-38-06 02/21/02	RFI-40-01 05/29/01	RFI-40-03 02/25/02	RFI-40-04 02/25/02	RFI-40-07 02/25/02
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.7 [2.4]	NS	ND(1.0)	52(RDW,IDW)	ND(1.0)	ND(1.0)
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	74(RDW,IDW)	1.2	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
m&p-Xylene	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]	NS	0.40 J	ND(2.0)	0.55 J	ND(2.0)
o-Xylene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	NS	0.16 J	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes (total)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]	NS	0.56	ND(2.0)	0.55	ND(2.0)
Semivolatiles										
2,4,5-Trichlorophenol	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
2,4,6-Trichlorophenol	NS	NS	ND(4.1)	ND(4.2)	ND(4.2) [ND(4.0)]	NS	ND(5.0)	ND(4.0)	NS	ND(4.0)
2,4-Dichlorophenol	NS	NS	ND(10)	ND(11)	ND(11) [ND(10)]	NS	ND(5.0)	ND(10)	NS	ND(10)
2,4-Dimethylphenol	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
2,4-Dinitrophenol	NS	NS	ND(21)	ND(21)	ND(21) [ND(20)]	NS	ND(20)	ND(20)	NS	ND(20)
2,4-Dinitrotoluene	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
2,6-Dinitrotoluene	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	1.4 J	NS	ND(5.0)
2-Chloronaphthalene	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
2-Chlorophenol	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
2-Methyl naphthalene	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
2-Methylphenol	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
2-Nitroaniline	NS	NS	ND(21)	ND(21)	ND(21) [ND(20)]	NS	ND(20)	ND(20)	NS	ND(20)
2-Nitrophenol	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
3&4-Methylphenol	NS	NS	ND(10) J	ND(11) J	ND(11) J [ND(10) J]	NS	ND(10)	ND(10)	NS	ND(10)
3,3-Dichlorobenzidine	NS	NS	ND(21)	ND(21)	ND(21) [ND(20)]	NS	ND(20)	ND(20)	NS	ND(20)
3-Nitroaniline	NS	NS	ND(21)	ND(21)	ND(21) [ND(20)]	NS	ND(20)	ND(20)	NS	ND(20)
4,6-Dinitro-2-methylphenol	NS	NS	ND(21)	ND(21)	ND(21) [ND(20)]	NS	ND(20)	ND(20)	NS	ND(20)
4-Bromophenyl phenyl ether	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
4-Chloro-3-methylphenol	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
4-Chloroaniline	NS	NS	ND(21)	ND(21)	ND(21) [ND(20)]	NS	ND(20)	ND(20)	NS	ND(20)
4-Chlorophenyl phenyl ether	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
4-Nitroaniline	NS	NS	ND(21)	ND(21) J	ND(21) J [ND(20) J]	NS	ND(20)	ND(20)	NS	ND(20)
4-Nitrophenol	NS	NS	ND(21)	ND(21)	ND(21) [ND(20)]	NS	ND(20)	ND(20)	NS	ND(20)
Acenaphthene	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Acenaphthylene	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Acetophenone	NS	NS	ND(5.1) J	ND(5.3)	ND(5.3) J [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Anthracene	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Atrazine	NS	NS	ND(5.1) J	ND(5.3)	ND(5.3) J [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Benzaldehyde	NS	NS	ND(5.1) J	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Benzo(a)anthracene	NS	NS	ND(1.0)	ND(1.1)	ND(1.1) [ND(1.0)]	NS	ND(5.0)	ND(1.0)	NS	ND(1.0)
Benzo(a)pyrene	NS	NS	ND(2.1)	ND(2.1)	ND(2.1) [ND(2.0)]	NS	0.19 J	ND(2.0)	NS	ND(2.0)
Benzo(b)fluoranthene	NS	NS	ND(2.1)	ND(2.1)	ND(2.1) [ND(2.0)]	NS	ND(5.0)	ND(2.0)	NS	ND(2.0)
Benzo(g,h,i)perylene	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Benzo(k)fluoranthene	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-36-45 02/20/02	RFI-36-46 02/25/02	RFI-38-04 09/27/01	RFI-38-05 09/28/01	RFI-38-06 09/28/01	RFI-38-06 02/21/02	RFI-40-01 05/29/01	RFI-40-03 02/25/02	RFI-40-04 02/25/02	RFI-40-07 02/25/02
Biphenyl	NS	NS	ND(5.1) J	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
bis(2-Chloroethoxy)methane	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
bis(2-Chloroethyl)ether	NS	NS	ND(1.0)	ND(1.1)	ND(1.1) [ND(1.0)]	NS	ND(5.0) J	ND(1.0)	NS	ND(1.0)
bis(2-Chloroisopropyl)ether	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
bis(2-Ethylhexyl)phthalate	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	11(RDW,IDW)	ND(5.0)	NS	1.0 J
Butyl benzylphthalate	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Caprolactam	NS	NS	ND(10)	ND(11)	ND(11) [ND(10)]	NS	ND(10)	ND(10)	NS	ND(10)
Carbazole	NS	NS	ND(10)	ND(11) J	ND(11) J [ND(10) J]	NS	ND(5.0)	ND(10)	NS	ND(10)
Chrysene	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	0.21 J	ND(5.0)	NS	ND(5.0)
Di-n-butylphthalate	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Di-n-octyl phthalate	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Dibenzo(a,h)anthracene	NS	NS	ND(2.1)	ND(2.1)	ND(2.1) [ND(2.0)]	NS	ND(5.0)	ND(2.0)	NS	ND(2.0)
Dibenzofuran	NS	NS	ND(4.1)	ND(4.2)	ND(4.2) [ND(4.0)]	NS	ND(5.0)	ND(4.0)	NS	ND(4.0)
Diethyl phthalate	NS	NS	ND(5.1)	1.2 J	1.6 J [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Dimethyl phthalate	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Fluoranthene	NS	NS	ND(2.1)	ND(2.1)	ND(2.1) [ND(2.0)]	NS	ND(5.0)	ND(2.0)	NS	ND(2.0)
Fluorene	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Hexachlorobenzene	NS	NS	ND(1.0)	ND(1.1)	ND(1.1) [ND(1.0)]	NS	ND(5.0)	ND(1.0)	NS	ND(1.0)
Hexachlorobutadiene	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Hexachlorocyclopentadiene	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Hexachloroethane	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Indeno(1,2,3-cd)pyrene	NS	NS	ND(2.1)	ND(2.1)	ND(2.1) [ND(2.0)]	NS	ND(5.0)	ND(2.0)	NS	ND(2.0)
Isophorone	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Methylphenols, Total	NS	NS	ND(10)	ND(11)	ND(11) [ND(10)]	NS	ND(10)	ND(10)	NS	ND(10)
N-Nitrosodi-n-propylamine	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
N-Nitrosodiphenylamine	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Naphthalene	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Nitrobenzene	NS	NS	ND(2.1)	ND(2.1)	ND(2.1) [ND(2.0)]	NS	ND(5.0)	ND(2.0)	NS	ND(2.0)
Pentachlorophenol	NS	NS	ND(21)	ND(21)	ND(21) [ND(20)]	NS	ND(5.0)	ND(20)	NS	ND(20)
Phenanthrene	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Phenol	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Pyrene	NS	NS	ND(5.1)	ND(5.3)	ND(5.3) [ND(5.0)]	NS	0.20 J	ND(5.0)	NS	ND(5.0)
Inorganics										
Antimony	NS	NS	ND(1.2)	ND(1.2)	ND(1.2) [0.96 J]	NS	NS	NS	NS	NS
Arsenic	NS	NS	1.4 J	2.2 J	7.2 [9.8]	NS	NS	NS	NS	NS
Barium	NS	NS	200	160	150 [140]	NS	NS	NS	NS	NS
Beryllium	NS	NS	1.1	1.5	1.5 [34(RDW,IDW)]	NS	NS	NS	NS	NS
Cadmium	NS	NS	0.14 J	0.52	0.18 J [1.5 J]	NS	NS	NS	NS	NS
Chromium	NS	NS	1.4	1.6	0.89 [3.2]	NS	NS	NS	NS	NS
Cobalt	NS	NS	2.7	2.3	7.5 [8.3]	NS	NS	NS	NS	NS
Copper	NS	NS	2.3	7.5	2 [8.3]	NS	NS	NS	NS	NS
Cyanide (total)	NS	NS	2.9 J	ND(5.0)	ND(5.0) [ND(5.0)]	NS	NS	ND(5.0)	NS	3.1 J
Lead	NS	NS	0.44	0.51	0.48 [0.70 J]	NS	NS	NS	NS	NS
Manganese	NS	NS	880(RDW)	550	550 [1,000(RDW)]	NS	NS	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-36-45 02/20/02	RFI-36-46 02/25/02	RFI-38-04 09/27/01	RFI-38-05 09/28/01	RFI-38-06 09/28/01	RFI-38-06 02/21/02	RFI-40-01 05/29/01	RFI-40-03 02/25/02	RFI-40-04 02/25/02	RFI-40-07 02/25/02
Mercury	NS	NS	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.20)]	NS	NS	ND(0.20)	NS	ND(0.20)
Nickel	NS	NS	21	17	25 [30]	NS	NS	NS	NS	NS
Selenium	NS	NS	ND(1.4)	1.6 J	ND(1.4) [2.3 J]	NS	NS	NS	NS	NS
Silver	NS	NS	ND(0.40)	ND(0.40)	0.21 J [1.2 J]	NS	NS	NS	NS	NS
Thallium	NS	NS	0.24	0.46	3.8(RDW,IDW) [4.9(RDW,IDW)]	NS	NS	NS	NS	NS
Vanadium	NS	NS	ND(0.80)	ND(0.80)	ND(0.80) [5.4(RDW)]	NS	NS	NS	NS	NS
Zinc	NS	NS	12	110	11 [23]	NS	NS	NS	NS	NS
Inorganics-Filtered										
Antimony	NS	NS	ND(1.2)	ND(1.2)	ND(1.2) [ND(1.2)]	NS	5.9 J	ND(1.2)	NS	ND(1.2)
Arsenic	5.2 J	NS	ND(1.0)	ND(1.0)	6.1 [6.2]	NS	3.4 J	2.2 J	NS	2.4
Barium	NS	NS	150	130	140 [130]	NS	29 J	50	NS	84
Beryllium	NS	NS	ND(0.40)	ND(0.40)	ND(0.40) [ND(0.40)]	NS	ND(0.40)	5.2 J(RDW,IDW)	NS	2.1 J
Cadmium	NS	NS	ND(0.20)	0.6	ND(0.20) [ND(0.20)]	NS	ND(0.20)	2.9	NS	0.28 J
Chromium	NS	NS	0.75 J	0.74	ND(0.60) [ND(0.60)]	NS	4.7	7.3	NS	7.5
Cobalt	NS	NS	1.9	1.7	6.2 [6.4]	NS	0.82 J	1.9	NS	1.4
Copper	NS	NS	1.3	5.4	0.77 [0.73]	NS	13 J	12	NS	6.4
Cyanide (total)	NS	NS	2.9 J	ND(5.0)	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	NS	3.3 J
Lead	NS	NS	ND(0.40)	ND(0.40)	ND(0.40) [ND(0.40)]	NS	1.4 J	ND(0.40)	NS	3
Manganese	NS	NS	770 J	520 J	550 J [520 J]	NS	170	320	NS	370
Mercury	NS	NS	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.20)]	NS	ND(0.20)	ND(0.20)	NS	ND(0.20)
Nickel	NS	NS	15	12	20 [21]	NS	5.9 J	11	NS	9.6
Selenium	NS	NS	1.8 J	ND(1.4)	2.1 [2.1 J]	NS	ND(2.5)	ND(1.4)	NS	5.4 J
Silver	NS	NS	ND(0.40)	ND(0.40)	ND(0.40) [ND(0.40)]	NS	ND(0.40)	ND(0.40)	NS	ND(0.40)
Thallium	NS	NS	ND(0.20)	ND(0.20)	3.1(RDW,IDW) [3.0(RDW,IDW)]	3.4(RDW,IDW)	ND(0.20)	0.5	NS	ND(0.20)
Vanadium	NS	NS	ND(0.80)	ND(0.80)	ND(0.80) [ND(0.80)]	NS	4.5 J	1.6 J	NS	0.98 J
Zinc	NS	NS	6.3 J	82 J	8.7 J [8.3 J]	NS	16 J	46	NS	20
PCBs										
Aroclor-1016	NS	NS	ND(0.10)	ND(0.11)	ND(0.11) [ND(0.11)]	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
Aroclor-1221	NS	NS	ND(0.10)	ND(0.11)	ND(0.11) [ND(0.11)]	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
Aroclor-1232	NS	NS	ND(0.10)	ND(0.11)	ND(0.11) [ND(0.11)]	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
Aroclor-1242	NS	NS	ND(0.10)	ND(0.11)	ND(0.11) [ND(0.11)]	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
Aroclor-1248	NS	NS	ND(0.10)	ND(0.11)	ND(0.11) [ND(0.11)]	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
Aroclor-1254	NS	NS	ND(0.10)	ND(0.11)	ND(0.11) [ND(0.11)]	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
Aroclor-1260	NS	NS	ND(0.10)	ND(0.11)	ND(0.11) [ND(0.11)]	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
Total PCBs	NS	NS	ND(0.10)	ND(0.11)	ND(0.11) [ND(0.11)]	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
PCBs-Filtered										
Aroclor-1016	NS	NS	ND(0.10)	ND(0.10)	ND(0.11) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
Aroclor-1221	NS	NS	ND(0.10)	ND(0.10)	ND(0.11) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
Aroclor-1232	NS	NS	ND(0.10)	ND(0.10)	ND(0.11) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
Aroclor-1242	NS	NS	ND(0.10)	ND(0.10)	ND(0.11) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
Aroclor-1248	NS	NS	ND(0.10)	ND(0.10)	ND(0.11) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
Aroclor-1254	NS	NS	ND(0.10)	ND(0.10)	ND(0.11) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
Aroclor-1260	NS	NS	ND(0.10)	ND(0.10)	ND(0.11) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
Total PCBs	NS	NS	ND(0.10)	ND(0.10)	ND(0.11) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-40-09 02/26/02	RFI-40-10 02/21/02	RFI-44-01 05/22/01	RFI-44-02 05/21/01	RFI-44-03 05/25/01	RFI-44-04 09/18/01	RFI-44-05 09/14/01	RFI-55-01 09/26/01	RFI-55-02 09/27/01
Volatiles									
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	3
1,1,2,2-Tetrachloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	1.1	ND(1.0)	0.26 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.81 J
1,1-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	11(RDW,IDW)
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	ND(25)	ND(25)	4.8 J	6.2 J	7.5 J	ND(25)	ND(25)	ND(25)	ND(25)
2-Hexanone	0.79 J	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	0.55 J	ND(50)	ND(50)	ND(50)
Acetone	ND(25)	1.7 J	20 J	6.3 J	13 J	ND(25)	ND(25)	0.67 J	ND(25)
Benzene	680 D(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	0.15 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Benzene, isopropyl	14	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Bromodichloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Carbon disulfide	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	4.4	ND(1.0) J	ND(1.0)	0.25 J	ND(1.0)	ND(1.0)	ND(1.0)	3.5
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	140 D	ND(5.0)	ND(5.0) J	ND(5.0) J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Dibromochloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	38	ND(1.0)	0.15 J	0.14 J	0.17 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methyl acetate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	85 D	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Styrene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0)	0.69 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Toluene	13	ND(1.0)	0.73 J	0.46 J	1.3	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-40-09 02/26/02	RFI-40-10 02/21/02	RFI-44-01 05/22/01	RFI-44-02 05/21/01	RFI-44-03 05/25/01	RFI-44-04 09/18/01	RFI-44-05 09/14/01	RFI-55-01 09/26/01	RFI-55-02 09/27/01
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	18(RDW,IDW)	ND(1.0)	ND(1.0)	0.52 J	ND(1.0)	ND(1.0)	ND(1.0)	8.3(RDW,IDW)
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
m&p-Xylene	8.3	ND(2.0)	0.23 J	0.20 J	0.31 J	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
o-Xylene	3.2	ND(1.0)	ND(1.0)	ND(1.0)	0.16 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes (total)	12	ND(2.0)	0.23	0.2	0.47	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Semivolatiles									
2,4,5-Trichlorophenol	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
2,4,6-Trichlorophenol	ND(4.0)	ND(4.0)	ND(5.0)	ND(4.0)	ND(5.0)	ND(4.4)	ND(4.0)	ND(4.2)	ND(4.1)
2,4-Dichlorophenol	ND(10)	ND(10)	1.2 J	ND(10)	ND(5.0)	ND(11)	ND(10)	ND(11)	ND(10)
2,4-Dimethylphenol	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
2,4-Dinitrophenol	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(22)	ND(20)	ND(21)	ND(20)
2,4-Dinitrotoluene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
2,6-Dinitrotoluene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
2-Chloronaphthalene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
2-Chlorophenol	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
2-Methyl naphthalene	6	ND(5.0)	0.97 J	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
2-Methylphenol	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
2-Nitroaniline	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(22)	ND(20)	ND(21)	ND(20)
2-Nitrophenol	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
3&4-Methylphenol	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(11) J	ND(10) J	ND(11) J	ND(10) J
3,3-Dichlorobenzidine	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(22)	ND(20)	ND(21)	ND(20)
3-Nitroaniline	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(22)	ND(20)	ND(21)	ND(20)
4,6-Dinitro-2-methylphenol	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(22)	ND(20)	ND(21) J	ND(20)
4-Bromophenyl phenyl ether	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
4-Chloro-3-methylphenol	ND(5.0)	ND(5.0)	1.2 J	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
4-Chloroaniline	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(22)	ND(20)	ND(21)	ND(20)
4-Chlorophenyl phenyl ether	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5.6 R	5.0 R	ND(5.3)	ND(5.1)
4-Nitroaniline	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(22)	ND(20)	ND(21)	ND(20)
4-Nitrophenol	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(22)	ND(20)	ND(21)	ND(20)
Acenaphthene	ND(5.0)	ND(5.0)	3.8 J	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Acenaphthylene	ND(5.0)	ND(5.0)	0.57 J	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Acetophenone	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Anthracene	ND(5.0)	ND(5.0)	5.4	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Atrazine	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Benzaldehyde	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) J	ND(5.6) J	ND(5.0)	ND(5.3)	ND(5.1)
Benzo(a)anthracene	ND(1.0)	ND(1.0)	14(RDW,IDW,GCC)	ND(1.0)	ND(5.0)	ND(1.1)	ND(1.0)	ND(1.1)	ND(1.0)
Benzo(a)pyrene	ND(2.0)	ND(2.0)	15 J(RDW,IDW,GCC)	ND(2.0)	ND(5.0)	ND(2.2)	ND(2.0)	ND(2.1)	ND(2.0)
Benzo(b)fluoranthene	ND(2.0)	ND(2.0)	16 J(RDW,IDW,GCC)	ND(2.0)	ND(5.0)	ND(2.2)	ND(2.0)	ND(2.1)	ND(2.0)
Benzo(g,h,i)perylene	ND(5.0)	ND(5.0)	7.9 J(RDW,IDW,GCC)	ND(5.0)	ND(5.0) J	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Benzo(k)fluoranthene	ND(5.0)	ND(5.0)	14 J(RDW,IDW,GCC)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-40-09 02/26/02	RFI-40-10 02/21/02	RFI-44-01 05/22/01	RFI-44-02 05/21/01	RFI-44-03 05/25/01	RFI-44-04 09/18/01	RFI-44-05 09/14/01	RFI-55-01 09/26/01	RFI-55-02 09/27/01
Biphenyl	ND(5.0)	ND(5.0)	0.76 J	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
bis(2-Chloroethoxy)methane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
bis(2-Chloroethyl)ether	ND(1.0)	ND(1.0)	ND(5.0)	ND(1.0)	ND(5.0)	ND(1.1)	ND(1.0)	ND(1.1)	ND(1.0)
bis(2-Chloroisopropyl)ether	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
bis(2-Ethylhexyl)phthalate	ND(5.0)	ND(5.0)	450 DJ(RDW,IDW,GCC,GAI)	300 D(RDW,IDW)	23(RDW,IDW)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Butyl benzylphthalate	ND(5.0)	ND(5.0)	1.0 J	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Caprolactam	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(11)	ND(10)	ND(11)	ND(10)
Carbazole	ND(10)	ND(10)	5.3	ND(10)	ND(5.0)	ND(11)	ND(10)	ND(11)	ND(10)
Chrysene	ND(5.0)	ND(5.0)	16(RDW,IDW,GCC)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Di-n-butylphthalate	ND(5.0)	ND(5.0)	0.61 J	ND(5.0)	1.0 J	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Di-n-octyl phthalate	ND(5.0)	ND(5.0)	ND(5.0) J	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Dibenzo(a,h)anthracene	ND(2.0)	ND(2.0)	ND(5.0) J	ND(2.0)	ND(5.0)	ND(2.2)	ND(2.0)	ND(2.1)	ND(2.0)
Dibenzofuran	ND(4.0)	ND(4.0)	2.6 J	ND(4.0)	ND(5.0)	ND(4.4)	ND(4.0)	ND(4.2)	ND(4.1)
Diethyl phthalate	1.5 J	ND(5.0)	ND(5.0)	ND(5.0)	0.78 J	1.5 J	ND(5.0)	1.4 J	ND(5.1)
Dimethyl phthalate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Fluoranthene	ND(2.0)	ND(2.0)	39	ND(2.0)	ND(5.0)	ND(2.2)	ND(2.0)	ND(2.1)	ND(2.0)
Fluorene	ND(5.0)	ND(5.0)	3.2 J	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Hexachlorobenzene	ND(1.0)	ND(1.0)	ND(5.0)	ND(1.0)	ND(5.0)	ND(1.1)	ND(1.0)	ND(1.1)	ND(1.0)
Hexachlorobutadiene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Hexachlorocyclopentadiene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Hexachloroethane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Indeno(1,2,3-cd)pyrene	ND(2.0)	ND(2.0)	7.9 J(RDW,IDW,GCC)	ND(2.0)	ND(5.0)	ND(2.2)	ND(2.0)	ND(2.1)	ND(2.0)
Isophorone	ND(5.0)	ND(5.0)	0.59 J	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Methylphenols, Total	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(11)	ND(10)	ND(11)	ND(10)
N-Nitrosodi-n-propylamine	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
N-Nitrosodiphenylamine	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Naphthalene	6.3	ND(5.0)	1.8 J	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Nitrobenzene	ND(2.0)	ND(2.0)	ND(5.0)	ND(2.0)	ND(5.0)	ND(2.2)	ND(2.0)	ND(2.1)	ND(2.0)
Pentachlorophenol	ND(20)	ND(20)	ND(5.0)	ND(20)	ND(5.0)	ND(22)	ND(20)	ND(21)	ND(20)
Phenanthrene	ND(5.0)	ND(5.0)	31	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Phenol	16	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Pyrene	ND(5.0)	ND(5.0)	34	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.1)
Inorganics									
Antimony	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	1.4 J	ND(5.0)	NS	NS	NS	1.1 J	NS	13	83
Lead	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-40-09 02/26/02	RFI-40-10 02/21/02	RFI-44-01 05/22/01	RFI-44-02 05/21/01	RFI-44-03 05/25/01	RFI-44-04 09/18/01	RFI-44-05 09/14/01	RFI-55-01 09/26/01	RFI-55-02 09/27/01
Mercury	ND(0.20)	ND(0.20)	NS	NS	NS	ND(0.20)	NS	ND(0.20)	ND(0.20)
Nickel	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thallium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	NS	NS	NS	NS	NS
Inorganics-Filtered									
Antimony	ND(1.2)	1.4	2.4	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
Arsenic	49	2.6	2.0 J	2.8 J	6.9 J	1.5 J	3.1	ND(1.0)	ND(1.0)
Barium	290	35	54	61	140 J	67	220	120	160
Beryllium	19 J(RDW,IDW)	2.0 J	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)
Cadmium	1.5 J	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.3
Chromium	9.7	5.1	1.8	2.3	6.3	1.9	ND(2.0)	1.1	ND(0.60)
Cobalt	2.3	0.3	0.28	0.53	ND(0.20)	0.91	2.2	2.2	8
Copper	14	1.5	3.5	6	10 J	5.6	ND(3.4)	2	3
Cyanide (total)	ND(5.0)	2.1 J	ND(5.0)	ND(5.0)	ND(5.0)	1.4 J	ND(5.0)	12	83
Lead	0.49 J	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)
Manganese	100	12	38	82	20	2.6	150	470 J	2,400 J(RDW)
Mercury	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)
Nickel	9.3	2.9	1.5	5.4	5.1 J	18	27	8.9	19
Selenium	ND(1.4)	2.0 B,J	ND(1.4)	3.4 J	48 J	2.1 J	52(RDW,IDW)	2.7 J	ND(1.9)
Silver	1.1 J	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40) J	ND(0.40) J
Thallium	0.84	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
Vanadium	ND(0.80)	1.7	1.8	2.2	1.3 J	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)
Zinc	24	ND(6.0)	110 J	10	14 J	9.9	14 J	11	14
PCBs									
Aroclor-1016	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1221	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1232	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1242	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1248	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1254	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1260	ND(0.10)	ND(0.10)	0.072 J	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)
Total PCBs	ND(0.10)	ND(0.10)	0.072	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)
PCBs-Filtered									
Aroclor-1016	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1221	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1232	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1242	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1248	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	0.86(RDW,IDW)	ND(0.11)	ND(0.10)
Aroclor-1254	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	0.23	ND(0.11)	ND(0.10)
Aroclor-1260	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)
Total PCBs	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	1.1(RDW,IDW)	ND(0.11)	ND(0.10)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-55-09 09/27/01	RFI-55-10 02/26/02	RFI-65-01 09/24/01	RFI-81-02 10/13/01	RFI-81-03 09/28/01	RFI-81-05 09/19/01	RFI-81-07 07/27/01	RFI-81-08 09/24/01	RFI-81-09 09/24/01	RFI-81-09 02/22/02	RFI-81-10 06/22/01
Volatiles											
1,1,1-Trichloroethane	2.7	ND(1.0)	0.92 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.2	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2,2-Tetrachloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0) J	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	12	ND(1.0)	ND(1.0)	0.54 J	ND(1.0)	ND(1.0)	ND(1.0)	3.1	ND(1.0)	ND(1.0)	ND(1.0)
1,1-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-Hexanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
Acetone	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
Benzene	ND(1.0)	0.83 J,B	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Benzene, isopropyl	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Bromodichloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Carbon disulfide	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)
Chloroform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.69 J	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	8.2	ND(1.0)	49	2.9 J	ND(1.0)	ND(1.0)	1.9 J	3.6	ND(1.0)	ND(1.0)	0.67 J
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	ND(5.0)	ND(5.0)	ND(5.0)	2.0 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Dibromochloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methyl acetate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Styrene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0) J	5.9(RDW,IDW)	11(RDW,IDW)	ND(1.0)
Toluene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.90 J

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-55-09 09/27/01	RFI-55-10 02/26/02	RFI-65-01 09/24/01	RFI-81-02 10/13/01	RFI-81-03 09/28/01	RFI-81-05 09/19/01	RFI-81-07 07/27/01	RFI-81-08 09/24/01	RFI-81-09 09/24/01	RFI-81-09 02/22/02	RFI-81-10 06/22/01
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.2
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)	42(RDW,IDW)	1.9	ND(1.0)	ND(1.0)	ND(1.0)	11(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	2.1(RDW,IDW)	ND(1.0)	ND(1.0)	12(RDW,IDW)	ND(1.0)	ND(1.0)	1.7 J	6.7(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)
m&p-Xylene	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
o-Xylene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Xylenes (total)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Semivolatiles											
2,4,5-Trichlorophenol	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
2,4,6-Trichlorophenol	ND(4.0)	NS	ND(4.4)	ND(4.2)	ND(4.4)	ND(4.1)	ND(4.0)	ND(4.4)	ND(4.3)	NS	ND(4.0)
2,4-Dichlorophenol	ND(10)	NS	ND(11)	ND(11)	ND(11)	ND(10)	ND(10)	ND(11)	ND(11)	NS	ND(10)
2,4-Dimethylphenol	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
2,4-Dinitrophenol	ND(20)	NS	ND(22)	ND(21)	ND(22)	ND(21) J	ND(20)	ND(22) J	ND(21) J	NS	ND(20)
2,4-Dinitrotoluene	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
2,6-Dinitrotoluene	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
2-Chloronaphthalene	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
2-Chlorophenol	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
2-Methyl naphthalene	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
2-Methylphenol	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
2-Nitroaniline	ND(20)	NS	ND(22)	ND(21)	ND(22)	ND(21)	ND(20)	ND(22)	ND(21)	NS	ND(20)
2-Nitrophenol	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
3&4-Methylphenol	ND(10) J	NS	ND(11) J	ND(11) J	ND(11) J	ND(10) J	ND(10) J	ND(11) J	ND(11) J	NS	ND(10)
3,3-Dichlorobenzidine	ND(20)	NS	ND(22)	ND(21)	ND(22)	ND(21)	ND(20)	ND(22)	ND(21)	NS	ND(20)
3-Nitroaniline	ND(20)	NS	ND(22)	ND(21)	ND(22)	ND(21)	ND(20) J	ND(22)	ND(21)	NS	ND(20)
4,6-Dinitro-2-methylphenol	ND(20)	NS	ND(22)	ND(21)	ND(22)	ND(21)	ND(20)	ND(22)	ND(21) J	NS	ND(20)
4-Bromophenyl phenyl ether	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
4-Chloro-3-methylphenol	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
4-Chloroaniline	ND(20)	NS	ND(22)	ND(21)	ND(22)	ND(21)	ND(20)	ND(22)	ND(21)	NS	ND(20) J
4-Chlorophenyl phenyl ether	ND(5.0)	NS	5.6 R	ND(5.3)	ND(5.6)	5.1 R	ND(5.0) J	ND(5.6)	ND(5.3)	NS	ND(5.0)
4-Nitroaniline	ND(20) J	NS	ND(22)	ND(21)	ND(22)	ND(21)	ND(20) J	ND(22) J	ND(21)	NS	ND(20)
4-Nitrophenol	ND(20)	NS	ND(22)	ND(21)	ND(22)	ND(21)	ND(20)	ND(22)	ND(21)	NS	ND(20)
Acenaphthene	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Acenaphthylene	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Acetophenone	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Anthracene	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Atrazine	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Benzaldehyde	ND(5.0)	NS	ND(5.6)	ND(5.3) J	ND(5.6)	ND(5.1)	ND(5.0) J	ND(5.6) J	ND(5.3) J	NS	ND(5.0)
Benzo(a)anthracene	ND(1.0)	NS	ND(1.1)	ND(1.1)	0.89 J	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.1)	NS	ND(1.0)
Benzo(a)pyrene	ND(2.0)	NS	ND(2.2)	ND(2.1)	ND(2.2)	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.1)	NS	ND(2.0)
Benzo(b)fluoranthene	ND(2.0)	NS	ND(2.2)	ND(2.1)	ND(2.2)	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.1)	NS	ND(2.0)
Benzo(g,h,i)perylene	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Benzo(k)fluoranthene	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-55-09 09/27/01	RFI-55-10 02/26/02	RFI-65-01 09/24/01	RFI-81-02 10/13/01	RFI-81-03 09/28/01	RFI-81-05 09/19/01	RFI-81-07 07/27/01	RFI-81-08 09/24/01	RFI-81-09 09/24/01	RFI-81-09 02/22/02	RFI-81-10 06/22/01
Biphenyl	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0) J	ND(5.6)	ND(5.3)	NS	ND(5.0)
bis(2-Chloroethoxy)methane	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
bis(2-Chloroethyl)ether	ND(1.0)	NS	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.1)	NS	ND(1.0)
bis(2-Chloroisopropyl)ether	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
bis(2-Ethylhexyl)phthalate	ND(5.0)	NS	ND(5.6)	ND(5.3)	1.1 J	ND(5.1)	6.4(RDW,IDW)	ND(5.6)	ND(5.3)	NS	1.2 J
Butyl benzylphthalate	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Caprolactam	ND(10)	NS	ND(11)	ND(11)	ND(11)	ND(10)	ND(10)	ND(11)	ND(11)	NS	ND(10) J
Carbazole	ND(10) J	NS	ND(11)	ND(11)	ND(11)	ND(10)	ND(10) J	ND(11) J	ND(11)	NS	ND(10)
Chrysene	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Di-n-butylphthalate	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Di-n-octyl phthalate	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Dibenzo(a,h)anthracene	ND(2.0)	NS	ND(2.2)	ND(2.1)	ND(2.2)	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.1)	NS	ND(2.0)
Dibenzofuran	ND(4.0)	NS	ND(4.4)	ND(4.2)	ND(4.4)	ND(4.1)	ND(4.0)	ND(4.4)	ND(4.3)	NS	ND(4.0)
Diethyl phthalate	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Dimethyl phthalate	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Fluoranthene	ND(2.0)	NS	ND(2.2)	ND(2.1)	1.2 J	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.1)	NS	ND(2.0)
Fluorene	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Hexachlorobenzene	ND(1.0)	NS	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.1)	NS	ND(1.0)
Hexachlorobutadiene	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Hexachlorocyclopentadiene	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Hexachloroethane	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Indeno(1,2,3-cd)pyrene	ND(2.0)	NS	ND(2.2)	ND(2.1)	ND(2.2)	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.1)	NS	ND(2.0)
Isophorone	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Methylphenols, Total	ND(10)	NS	ND(11)	ND(11)	ND(11)	ND(10)	ND(10)	ND(11)	ND(11)	NS	ND(10)
N-Nitrosodi-n-propylamine	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
N-Nitrosodiphenylamine	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Naphthalene	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Nitrobenzene	ND(2.0)	NS	ND(2.2)	ND(2.1)	ND(2.2)	ND(2.1)	ND(2.0)	ND(2.2)	ND(2.1)	NS	ND(2.0)
Pentachlorophenol	ND(20)	NS	ND(22)	ND(21)	ND(22)	ND(21)	ND(20)	ND(22)	ND(21)	NS	ND(20)
Phenanthrene	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Phenol	ND(5.0)	NS	ND(5.6)	ND(5.3)	ND(5.6)	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Pyrene	ND(5.0)	NS	ND(5.6)	ND(5.3)	1.1 J	ND(5.1)	ND(5.0)	ND(5.6)	ND(5.3)	NS	ND(5.0)
Inorganics											
Antimony	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	ND(5.0)	NS	4.0 J	2.1 J	0.97 J	5.5	NS	1.9 J	3.8 J	NS	NS
Lead	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-55-09 09/27/01	RFI-55-10 02/26/02	RFI-65-01 09/24/01	RFI-81-02 10/13/01	RFI-81-03 09/28/01	RFI-81-05 09/19/01	RFI-81-07 07/27/01	RFI-81-08 09/24/01	RFI-81-09 09/24/01	RFI-81-09 02/22/02	RFI-81-10 06/22/01
Mercury	ND(0.20)	NS	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	ND(0.20)	ND(0.20)	NS	NS
Nickel	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thallium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Inorganics-Filtered											
Antimony	ND(1.2)	NS	ND(1.2)	ND(1.2)	1.3	NS	3.5	ND(1.2)	ND(1.2)	NS	ND(1.2)
Arsenic	27	NS	ND(1.8)	83(RDW,IDW)	ND(1.0)	NS	3.5 J	7.8 J	2.6 J	NS	4.4
Barium	210	NS	250	540	59	NS	830	430 J	240 J	NS	220
Beryllium	ND(0.40)	NS	ND(0.40) J	ND(0.40)	ND(0.40)	NS	ND(0.40)	ND(0.40)	ND(0.40)	NS	ND(0.40)
Cadmium	ND(0.20)	NS	0.83	ND(0.20)	ND(0.20)	NS	1.3	ND(0.20)	0.21 J	NS	0.36
Chromium	ND(0.60)	NS	1.3	1.5	ND(0.60)	NS	ND(1.8)	0.86	ND(0.60)	NS	4.8
Cobalt	1.7	NS	4.6	1.9	0.73	NS	4.2	2.3	2	NS	6.8 J
Copper	13	NS	13 J	1.9	ND(4.9)	NS	7.4	15	1.7	NS	3.1
Cyanide (total)	ND(5.0)	NS	2.9 J	1.6 J	ND(5.0)	NS	1.8 J	2.7 J	3.6 J	NS	ND(5.0)
Lead	ND(0.40)	NS	ND(0.40)	0.58	ND(0.40)	NS	6.7(RDW,IDW)	ND(0.40)	ND(0.40)	NS	ND(0.40)
Manganese	670 J	NS	1,300(RDW)	58	520	NS	2,600(RDW,IDW)	1,900 J(RDW)	700 J	NS	1,800(RDW)
Mercury	ND(0.20)	NS	ND(0.20)	ND(0.20)	ND(0.20)	NS	ND(0.20)	ND(0.20)	ND(0.20)	NS	ND(0.20)
Nickel	7.6	NS	23	8	4.5	NS	91	16	6	NS	ND(15) J
Selenium	1.7 J	NS	ND(1.4)	3.5 J	ND(1.4)	NS	ND(1.4)	ND(2.3)	3.5 J	NS	10
Silver	ND(0.40)	NS	ND(0.40) J	ND(0.40)	ND(0.40)	NS	ND(0.40) J	ND(0.40) J	ND(0.40) J	NS	ND(0.40)
Thallium	ND(0.20)	NS	ND(0.20)	ND(0.20)	ND(0.20)	NS	ND(0.20)	ND(0.20)	ND(0.20)	NS	ND(0.20)
Vanadium	ND(0.80)	NS	ND(0.80)	ND(0.80)	ND(0.80)	NS	16(RDW)	ND(0.80)	ND(0.80)	NS	12 J(RDW)
Zinc	12 J	NS	14	26	8.8	NS	34	21	8.1	NS	8.4
PCBs											
Aroclor-1016	ND(0.11)	NS	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.12)	NS	ND(0.10)
Aroclor-1221	ND(0.11)	NS	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.12)	NS	ND(0.10)
Aroclor-1232	ND(0.11)	NS	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.12)	NS	ND(0.10)
Aroclor-1242	ND(0.11)	NS	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.12)	NS	ND(0.10)
Aroclor-1248	ND(0.11)	NS	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.12)	NS	ND(0.10)
Aroclor-1254	ND(0.11)	NS	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.12)	NS	ND(0.10)
Aroclor-1260	ND(0.11)	NS	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.12)	NS	ND(0.10)
Total PCBs	ND(0.11)	NS	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.12)	NS	ND(0.10)
PCBs-Filtered											
Aroclor-1016	ND(0.10)	NS	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)
Aroclor-1221	ND(0.10)	NS	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)
Aroclor-1232	ND(0.10)	NS	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)
Aroclor-1242	ND(0.10)	NS	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)
Aroclor-1248	ND(0.10)	NS	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)
Aroclor-1254	ND(0.10)	NS	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)
Aroclor-1260	ND(0.10)	NS	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)
Total PCBs	ND(0.10)	NS	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.12)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-81-11 09/24/01	RFI-81-12R 12/07/01	RFI-81-13 09/24/01	RFI-81-20 09/19/01	RFI-81-21 10/04/01	RFI-81-23 09/07/01	RFI-81-24 09/07/01	RFI-81-33 02/19/02	RFI-81-35 02/19/02	RFI-83/84-01 09/21/01	RFI-83/84-02 10/01/01	RFI-83/84-02x 10/01/01	RFI-83/84-05 07/31/01
Volatiles													
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)	0.63 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
1,1,2,2-Tetrachloroethane	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	NS	ND(1.0)
1,1,2-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	4.3	ND(1.0)	1.6	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
1,1-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
1,2-Dichloropropane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
2-Butanone	ND(25)	2.5 J	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	0.53 J	NS	ND(25)
2-Hexanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	NS	ND(50)
4-Methyl-2-pentanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	NS	ND(50)
Acetone	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	0.78 J	1.7 J	ND(25)	ND(25)	NS	ND(25)
Benzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.1	0.51 J	ND(1.0)	ND(1.0)	1.1	ND(1.0)	NS	ND(1.0)
Benzene, isopropyl	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)
Bromodichloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
Bromoform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
Bromomethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	NS	ND(1.0)
Carbon disulfide	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)
Carbon tetrachloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
Chloroethane	ND(1.0) J	ND(1.0)	3.5	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
Chloroform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
Chloromethane	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
cis-1,2-Dichloroethene	0.55 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.86 J	2.8	ND(1.0)	ND(1.0)	0.59 J	ND(1.0)	NS	3.1
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
Cyclohexane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)
Dibromochloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
Methyl acetate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)
Methylcyclohexane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.92 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
Methylene chloride	ND(5.0)	0.77 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NS	ND(5.0)
Styrene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
Tetrachloroethene	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
Toluene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.59 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-81-11 09/24/01	RFI-81-12R 12/07/01	RFI-81-13 09/24/01	RFI-81-20 09/19/01	RFI-81-21 10/04/01	RFI-81-23 09/07/01	RFI-81-24 09/07/01	RFI-81-33 02/19/02	RFI-81-35 02/19/02	RFI-83/84-01 09/21/01	RFI-83/84-02 10/01/01	RFI-83/84-02x 10/01/01	RFI-83/84-05 07/31/01
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.76 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)	2.9	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.6	ND(1.0)	NS	4.1
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
Vinyl chloride	1.6	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.7	1.5	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
m&p-Xylene	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	NS	ND(2.0)
o-Xylene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NS	ND(1.0)
Xylenes (total)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	NS	ND(2.0)
Semivolatiles													
2,4,5-Trichlorophenol	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0)	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
2,4,6-Trichlorophenol	ND(4.4)	ND(4.0)	ND(4.2)	ND(4.4)	NS	ND(4.0)	ND(4.0)	NS	NS	ND(4.0)	ND(4.0)	NS	ND(4.0)
2,4-Dichlorophenol	ND(11)	ND(10)	ND(11)	ND(11)	NS	ND(10) J	ND(10)	NS	NS	ND(10)	ND(10)	NS	ND(10)
2,4-Dimethylphenol	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0)	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
2,4-Dinitrophenol	ND(22) J	ND(20)	ND(21) J	ND(22) J	NS	ND(20)	ND(20)	NS	NS	ND(20)	ND(20)	NS	ND(20)
2,4-Dinitrotoluene	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0)	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
2,6-Dinitrotoluene	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0) J	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
2-Chloronaphthalene	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0) J	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
2-Chlorophenol	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0)	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
2-Methyl naphthalene	ND(5.5) J	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0) J	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
2-Methylphenol	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0) J	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
2-Nitroaniline	ND(22)	ND(20)	ND(21)	ND(22)	NS	ND(20) J	ND(20)	NS	NS	ND(20)	ND(20)	NS	ND(20)
2-Nitrophenol	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0)	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
3&4-Methylphenol	ND(11) J	ND(10)	ND(11) J	ND(11) J	NS	ND(10)	ND(10) J	NS	NS	ND(10) J	ND(10) J	NS	ND(10) J
3,3-Dichlorobenzidine	ND(22)	ND(20)	ND(21)	ND(22)	NS	ND(20)	ND(20)	NS	NS	ND(20)	ND(20)	NS	ND(20)
3-Nitroaniline	ND(22)	ND(20)	ND(21)	ND(22)	NS	ND(20)	ND(20)	NS	NS	ND(20)	ND(20)	NS	ND(20)
4,6-Dinitro-2-methylphenol	ND(22)	ND(20)	ND(21) J	ND(22)	NS	ND(20)	ND(20)	NS	NS	ND(20)	ND(20)	NS	ND(20)
4-Bromophenyl phenyl ether	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0) J	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
4-Chloro-3-methylphenol	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0) J	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
4-Chloroaniline	ND(22)	ND(20)	ND(21)	ND(22)	NS	ND(20)	ND(20)	NS	NS	ND(20)	ND(20)	NS	ND(20)
4-Chlorophenyl phenyl ether	ND(5.5)	ND(5.0)	ND(5.3)	5.6 R	NS	ND(5.0) J	ND(5.0) J	NS	NS	5.0 R	ND(5.0)	NS	ND(5.0)
4-Nitroaniline	ND(22)	ND(20)	ND(21)	ND(22)	NS	ND(20)	ND(20)	NS	NS	ND(20)	ND(20)	NS	ND(20)
4-Nitrophenol	ND(22)	ND(20)	ND(21)	ND(22)	NS	ND(20)	ND(20)	NS	NS	ND(20)	ND(20)	NS	ND(20)
Acenaphthene	0.59 J	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0)	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Acenaphthylene	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0) J	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Acetophenone	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0)	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Anthracene	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0) J	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Atrazine	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0) J	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Benzaldehyde	ND(5.5) J	ND(5.0)	ND(5.3) J	ND(5.6)	NS	ND(5.0)	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Benzo(a)anthracene	ND(1.1)	ND(1.0)	ND(1.1)	ND(1.1)	NS	ND(1.0) J	ND(1.0)	NS	NS	ND(1.0)	ND(1.0)	NS	ND(1.0)
Benzo(a)pyrene	ND(2.2)	ND(2.0)	ND(2.1)	ND(2.2)	NS	ND(2.0) J	ND(2.0)	NS	NS	ND(2.0)	ND(2.0)	NS	ND(2.0)
Benzo(b)fluoranthene	ND(2.2)	ND(2.0)	ND(2.1)	ND(2.2)	NS	ND(2.0) J	ND(2.0)	NS	NS	ND(2.0)	ND(2.0)	NS	ND(2.0)
Benzo(g,h,i)perylene	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0)	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Benzo(k)fluoranthene	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0) J	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-81-11 09/24/01	RFI-81-12R 12/07/01	RFI-81-13 09/24/01	RFI-81-20 09/19/01	RFI-81-21 10/04/01	RFI-81-23 09/07/01	RFI-81-24 09/07/01	RFI-81-33 02/19/02	RFI-81-35 02/19/02	RFI-83/84-01 09/21/01	RFI-83/84-02 10/01/01	RFI-83/84-02x 10/01/01	RFI-83/84-05 07/31/01
Biphenyl	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0) J	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
bis(2-Chloroethoxy)methane	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0)	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
bis(2-Chloroethyl)ether	ND(1.1)	ND(1.0)	ND(1.1)	ND(1.1)	NS	ND(1.0)	ND(1.0)	NS	NS	ND(1.0)	ND(1.0)	NS	ND(1.0)
bis(2-Chloroisopropyl)ether	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0)	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
bis(2-Ethylhexyl)phthalate	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0)	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Butyl benzylphthalate	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0) J	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Caprolactam	ND(11)	ND(10)	ND(11)	ND(11)	NS	ND(10)	ND(10)	NS	NS	ND(10)	ND(10)	NS	ND(10)
Carbazole	ND(11)	ND(10)	ND(11)	ND(11)	NS	ND(10) J	ND(10)	NS	NS	ND(10)	ND(10)	NS	ND(10)
Chrysene	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0) J	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Di-n-butylphthalate	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0)	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Di-n-octyl phthalate	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0)	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Dibenzo(a,h)anthracene	ND(2.2)	ND(2.0)	ND(2.1)	ND(2.2)	NS	ND(2.0)	ND(2.0)	NS	NS	ND(2.0)	ND(2.0)	NS	ND(2.0)
Dibenzofuran	ND(4.4)	ND(4.0)	ND(4.2)	ND(4.4)	NS	ND(4.0) J	ND(4.0)	NS	NS	ND(4.0)	ND(4.0)	NS	ND(4.0)
Diethyl phthalate	ND(5.5)	1.1 J	ND(5.3)	ND(5.6)	NS	ND(5.0) J	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Dimethyl phthalate	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0)	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Fluoranthene	ND(2.2)	ND(2.0)	ND(2.1)	ND(2.2)	NS	ND(2.0) J	ND(2.0)	NS	NS	ND(2.0)	ND(2.0)	NS	ND(2.0)
Fluorene	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0) J	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Hexachlorobenzene	ND(1.1)	ND(1.0)	ND(1.1)	ND(1.1)	NS	ND(1.0)	ND(1.0)	NS	NS	ND(1.0)	ND(1.0)	NS	ND(1.0)
Hexachlorobutadiene	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0)	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Hexachlorocyclopentadiene	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0)	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Hexachloroethane	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0)	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Indeno(1,2,3-cd)pyrene	ND(2.2)	ND(2.0)	ND(2.1)	ND(2.2)	NS	ND(2.0)	ND(2.0)	NS	NS	ND(2.0)	ND(2.0)	NS	ND(2.0)
Isophorone	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0)	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Methylphenols, Total	ND(11)	ND(10)	ND(11)	ND(11)	NS	ND(10)	ND(10)	NS	NS	ND(10)	ND(10)	NS	ND(10)
N-Nitrosodi-n-propylamine	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0) J	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
N-Nitrosodiphenylamine	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0)	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Naphthalene	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	1.5 J	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Nitrobenzene	ND(2.2)	ND(2.0)	ND(2.1)	ND(2.2)	NS	ND(2.0)	ND(2.0)	NS	NS	ND(2.0)	ND(2.0)	NS	ND(2.0)
Pentachlorophenol	ND(22)	ND(20)	ND(21)	ND(22)	NS	ND(20)	ND(20)	NS	NS	ND(20)	ND(20)	NS	ND(20)
Phenanthrene	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0) J	0.89 J	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Phenol	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0)	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Pyrene	ND(5.5)	ND(5.0)	ND(5.3)	ND(5.6)	NS	ND(5.0) J	ND(5.0)	NS	NS	ND(5.0)	ND(5.0)	NS	ND(5.0)
Inorganics													
Antimony	NS	1.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	NS	7.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	NS	130	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Beryllium	NS	0.23 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	NS	0.16 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	NS	5.6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	3.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	NS	8.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	8.1	ND(5.0)	1.5 J	1.7 J	NS	NS	NS	NS	NS	51	8.3	10	NS
Lead	NS	2.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Manganese	NS	380	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-81-11 09/24/01	RFI-81-12R 12/07/01	RFI-81-13 09/24/01	RFI-81-20 09/19/01	RFI-81-21 10/04/01	RFI-81-23 09/07/01	RFI-81-24 09/07/01	RFI-81-33 02/19/02	RFI-81-35 02/19/02	RFI-83/84-01 09/21/01	RFI-83/84-02 10/01/01	RFI-83/84-02x 10/01/01	RFI-83/84-05 07/31/01
Mercury	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	NS	NS	NS	NS	ND(0.20)	ND(0.20)	ND(0.20)	NS
Nickel	NS	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	NS	3.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	NS	1.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thallium	NS	0.15 J	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vanadium	NS	8.6(RDW)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	NS	28	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Inorganics-Filtered													
Antimony	ND(1.2)	1.3	ND(1.2)	NS	NS	ND(1.2)	2.2	NS	NS	ND(1.2)	ND(1.2)	NS	ND(1.2) J
Arsenic	13 J	3.4	2.3 J	NS	NS	39	20	NS	NS	1.8 J	ND(67)	NS	36
Barium	370 J	96	500 J	NS	NS	480	180	NS	NS	110 J	170	NS	280
Beryllium	ND(0.40)	0.7	ND(0.40)	NS	NS	ND(0.40)	ND(0.40)	NS	NS	ND(0.40)	ND(0.40)	NS	ND(0.40)
Cadmium	ND(0.20)	0.22	ND(0.20)	NS	NS	ND(0.20)	0.25	NS	NS	ND(0.20)	ND(0.20)	NS	ND(0.20)
Chromium	ND(0.60)	3	ND(0.60)	NS	NS	0.97	1.3	NS	NS	1.1	ND(0.60)	NS	3.6
Cobalt	0.29	1.4	0.28	NS	NS	1.2	0.33	NS	NS	0.67	0.45	NS	5.4
Copper	5.5	ND(0.60)	4.8	NS	NS	2.9	8.2	NS	NS	9.6	ND(1.5)	NS	8.2
Cyanide (total)	8.2	ND(5.0)	1.6 J	NS	NS	4.1 J	1.4 J	NS	NS	50	8.5	NS	1.7 J
Lead	ND(0.40)	ND(0.40)	ND(0.40)	NS	NS	ND(0.40)	ND(0.40)	NS	NS	ND(0.40)	ND(0.40)	NS	20(RDW,IDW)
Manganese	460 J	280	160 J	NS	NS	140	29	NS	NS	480	1,100(RDW)	NS	410
Mercury	ND(0.20)	ND(0.20)	ND(0.20)	NS	NS	ND(0.20)	ND(0.20)	NS	NS	ND(0.20)	ND(0.20)	NS	ND(0.20)
Nickel	4.3	3.1	4.4	NS	NS	5	3.7	NS	NS	3.7	5.1	NS	74
Selenium	ND(1.4)	2.4	ND(1.4)	NS	NS	29 J	28 J	NS	NS	5.6 J	19	NS	ND(1.4)
Silver	ND(0.40) J	1.4	ND(0.40) J	NS	NS	1.6 J	1.0 J	NS	NS	1.4 J	ND(0.40)	NS	ND(0.40) J
Thallium	ND(0.20)	ND(0.20)	ND(0.20)	NS	NS	ND(0.20)	ND(0.20)	NS	NS	ND(0.20)	ND(0.20)	NS	ND(0.20)
Vanadium	ND(0.80)	1.2	ND(0.80)	NS	NS	8.2(RDW)	12(RDW)	NS	NS	ND(0.80)	ND(0.80)	NS	1.4
Zinc	12	31	14	NS	NS	24 J	10 J	NS	NS	ND(6.0)	19	NS	26
PCBs													
Aroclor-1016	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)	ND(0.10)	NS	NS	ND(0.10)	ND(0.11)	NS	ND(0.10)
Aroclor-1221	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)	ND(0.10)	NS	NS	ND(0.10)	ND(0.11)	NS	ND(0.10)
Aroclor-1232	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)	ND(0.10)	NS	NS	ND(0.10)	ND(0.11)	NS	ND(0.10)
Aroclor-1242	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)	ND(0.10)	NS	NS	ND(0.10)	ND(0.11)	NS	ND(0.10)
Aroclor-1248	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)	ND(0.10)	NS	NS	ND(0.10)	ND(0.11)	NS	ND(0.10)
Aroclor-1254	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)	ND(0.10)	NS	NS	ND(0.10)	ND(0.11)	NS	ND(0.10)
Aroclor-1260	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)	ND(0.10)	NS	NS	ND(0.10)	ND(0.11)	NS	ND(0.10)
Total PCBs	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)	ND(0.10)	NS	NS	ND(0.10)	ND(0.11)	NS	ND(0.10)
PCBs-Filtered													
Aroclor-1016	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)	ND(0.10)	NS	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
Aroclor-1221	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)	ND(0.10)	NS	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
Aroclor-1232	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)	ND(0.10)	NS	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
Aroclor-1242	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)	ND(0.10)	NS	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
Aroclor-1248	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)	ND(0.10)	NS	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
Aroclor-1254	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)	ND(0.10)	NS	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
Aroclor-1260	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)	ND(0.10)	NS	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)
Total PCBs	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	NS	ND(0.10)	ND(0.10)	NS	NS	ND(0.10)	ND(0.10)	NS	ND(0.10)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-83/84-08 07/31/01	RFI-83/84-09 07/31/01	RFI-83/84-11 09/24/01	RFI-83/84-20 02/22/02	RFI-83/84-25 12/13/01	RFI-83/84-27 02/21/02	RFI-83/84-29 02/21/02	RFI-84-01 05/23/01	RFI-84-02 05/24/01
Volatiles									
1,1,1-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J
1,1,2,2-Tetrachloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	0.80 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	28
2-Hexanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	1.5 J	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	0.42 J
Acetone	ND(25)	ND(25)	4.8 J	ND(25)	ND(25)	4.6 J	1.2 J	ND(25)	53
Benzene	ND(1.0)	ND(1.0)	40(RDW,IDW)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.12 J	ND(1.0)
Benzene, isopropyl	ND(5.0)	ND(5.0)	23	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Bromodichloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Carbon disulfide	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	ND(1.0)	5.4	0.83 J	75(RDW,IDW)	ND(1.0)	ND(1.0)	7.4 J	ND(1.0) J
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	ND(5.0)	ND(5.0)	55 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	1.7 J
Dibromochloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	95	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.19 J	0.17 J
Methyl acetate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	ND(1.0)	ND(1.0)	10	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) J	ND(5.0)
Styrene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Toluene	ND(1.0)	ND(1.0)	11	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.55 J	1.1

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-83/84-08 07/31/01	RFI-83/84-09 07/31/01	RFI-83/84-11 09/24/01	RFI-83/84-20 02/22/02	RFI-83/84-25 12/13/01	RFI-83/84-27 02/21/02	RFI-83/84-29 02/21/02	RFI-84-01 05/23/01	RFI-84-02 05/24/01
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	13	ND(1.0)	ND(1.0)	0.63 J	ND(1.0)
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0)	ND(1.0)	35(RDW,IDW)	1.5	1	ND(1.0)	ND(1.0)	0.86 J	ND(1.0)
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	ND(1.0)	0.64 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	ND(1.0)	0.55 J	ND(1.0)	ND(1.0)	69(RDW,IDW)	ND(1.0)	ND(1.0)	0.67 J	ND(1.0)
m&p-Xylene	ND(2.0)	ND(2.0)	170	ND(2.0)	ND(2.0)	1.2 J	ND(2.0)	0.40 J	0.14 J
o-Xylene	ND(1.0)	ND(1.0)	13	ND(1.0)	ND(1.0)	1.5	ND(1.0)	0.18 J	ND(1.0)
Xylenes (total)	ND(2.0)	ND(2.0)	180	ND(2.0)	ND(2.0)	2.7	ND(2.0)	0.58	0.14
Semivolatiles									
2,4,5-Trichlorophenol	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
2,4,6-Trichlorophenol	ND(4.0)	ND(4.0)	ND(4.4)	ND(4.0)	ND(4.2)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)
2,4-Dichlorophenol	ND(10)	ND(10)	ND(11)	ND(10)	ND(11)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-Dimethylphenol	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
2,4-Dinitrophenol	ND(20) J	ND(20)	ND(22) J	ND(20)	ND(21)	ND(20)	ND(20)	ND(20) J	ND(20)
2,4-Dinitrotoluene	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
2,6-Dinitrotoluene	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	0.75 J
2-Chloronaphthalene	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
2-Chlorophenol	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
2-Methyl naphthalene	ND(5.0)	ND(5.0)	1.5 J	ND(5.0)	ND(5.3)	0.95 J	ND(5.0)	ND(5.0)	ND(5.0)
2-Methylphenol	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
2-Nitroaniline	ND(20)	ND(20)	ND(22)	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)
2-Nitrophenol	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
3&4-Methylphenol	ND(10) J	ND(10)	ND(11) J	ND(10)	ND(11)	ND(10)	ND(10)	ND(10)	ND(10)
3,3-Dichlorobenzidine	ND(20)	ND(20)	ND(22)	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)
3-Nitroaniline	ND(20)	ND(20)	ND(22)	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)
4,6-Dinitro-2-methylphenol	ND(20)	ND(20)	ND(22) J	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)
4-Bromophenyl phenyl ether	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
4-Chloro-3-methylphenol	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
4-Chloroaniline	ND(20)	ND(20)	ND(22)	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)
4-Chlorophenyl phenyl ether	ND(5.0)	ND(5.0)	5.6 R	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
4-Nitroaniline	ND(20)	ND(20)	ND(22)	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)
4-Nitrophenol	ND(20)	ND(20)	ND(22)	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)
Acenaphthene	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Acenaphthylene	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Acetophenone	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) J
Anthracene	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Atrazine	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Benzaldehyde	ND(5.0)	ND(5.0)	ND(5.6) J	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Benzo(a)anthracene	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Benzo(a)pyrene	ND(2.0) J	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Benzo(b)fluoranthene	ND(2.0) J	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Benzo(g,h,i)perylene	ND(5.0) J	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Benzo(k)fluoranthene	ND(5.0) J	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-83/84-08 07/31/01	RFI-83/84-09 07/31/01	RFI-83/84-11 09/24/01	RFI-83/84-20 02/22/02	RFI-83/84-25 12/13/01	RFI-83/84-27 02/21/02	RFI-83/84-29 02/21/02	RFI-84-01 05/23/01	RFI-84-02 05/24/01
Biphenyl	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
bis(2-Chloroethoxy)methane	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
bis(2-Chloroethyl)ether	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J
bis(2-Chloroisopropyl)ether	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
bis(2-Ethylhexyl)phthalate	ND(5.0)	ND(5.0) J	ND(5.6)	ND(5.0)	3.8 J	ND(5.0)	ND(5.0)	39(RDW,IDW)	580 D(RDW,IDW,GCC,GAI)
Butyl benzylphthalate	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Caprolactam	ND(10)	ND(10)	ND(11)	ND(10)	ND(11)	ND(10)	ND(10)	ND(10)	1.6 J
Carbazole	ND(10)	ND(10)	ND(11)	ND(10)	ND(11)	ND(10)	ND(10)	ND(10)	ND(10)
Chrysene	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Di-n-butylphthalate	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	1.6 J	ND(5.0)	ND(5.0)	ND(5.0)
Di-n-octyl phthalate	ND(5.0) J	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Dibenzo(a,h)anthracene	ND(2.0) J	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Dibenzofuran	ND(4.0)	ND(4.0)	ND(4.4)	ND(4.0)	ND(4.2)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)
Diethyl phthalate	ND(5.0)	1.1 J	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Dimethyl phthalate	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Fluoranthene	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Fluorene	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Hexachlorobenzene	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Hexachlorobutadiene	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Hexachlorocyclopentadiene	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Hexachloroethane	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Indeno(1,2,3-cd)pyrene	ND(2.0) J	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Isophorone	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylphenols, Total	ND(10)	ND(10)	ND(11)	ND(10)	ND(11)	ND(10)	ND(10)	ND(10)	ND(10)
N-Nitrosodi-n-propylamine	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
N-Nitrosodiphenylamine	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Naphthalene	ND(5.0)	ND(5.0)	35	ND(5.0)	ND(5.3)	3.0 J	ND(5.0)	ND(5.0)	ND(5.0)
Nitrobenzene	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Pentachlorophenol	ND(20)	ND(20)	ND(22)	ND(20)	ND(21)	ND(20)	ND(20)	ND(20)	ND(20)
Phenanthrene	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Phenol	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	1.3 J	ND(5.0)	ND(5.0)	ND(5.0)
Pyrene	ND(5.0)	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Inorganics									
Antimony	NS	NS	NS	NS	1.0 J	NS	NS	NS	NS
Arsenic	NS	NS	NS	NS	100(RDW,IDW)	NS	NS	NS	NS
Barium	NS	NS	NS	NS	360	NS	NS	NS	NS
Beryllium	NS	NS	NS	NS	4.6 J(RDW,IDW)	NS	NS	NS	NS
Cadmium	NS	NS	NS	NS	2.0 J	NS	NS	NS	NS
Chromium	NS	NS	NS	NS	2.4 J	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	6.1	NS	NS	NS	NS
Copper	NS	NS	NS	NS	7.6	NS	NS	NS	NS
Cyanide (total)	NS	NS	7.9	1.1 J	42	7.2	2.3 J	NS	NS
Lead	NS	NS	NS	NS	0.39 J	NS	NS	NS	NS
Manganese	NS	NS	NS	NS	170	NS	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-83/84-08 07/31/01	RFI-83/84-09 07/31/01	RFI-83/84-11 09/24/01	RFI-83/84-20 02/22/02	RFI-83/84-25 12/13/01	RFI-83/84-27 02/21/02	RFI-83/84-29 02/21/02	RFI-84-01 05/23/01	RFI-84-02 05/24/01
Mercury	NS	NS	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	NS
Nickel	NS	NS	NS	NS	20	NS	NS	NS	NS
Selenium	NS	NS	NS	NS	5.3 J	NS	NS	NS	NS
Silver	NS	NS	NS	NS	0.92 J	NS	NS	NS	NS
Thallium	NS	NS	NS	NS	0.34	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	ND(0.80)	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	15 B	NS	NS	NS	NS
Inorganics-Filtered									
Antimony	ND(1.2) J	ND(1.2) J	ND(1.2)	ND(1.2)	ND(1.2)	1.7	1.3	ND(1.2)	ND(1.2)
Arsenic	55(RDW,IDW)	9.4	6.2	17	95(RDW,IDW)	4.7 J	7.9	1.1 J	ND(1.0)
Barium	140	140	310	130	270	330	110	67	69 J
Beryllium	ND(0.40)	ND(0.40)	ND(0.40) J	11 J(RDW,IDW)	0.81	21 J(RDW,IDW)	23 J(RDW,IDW)	ND(0.40)	ND(0.40)
Cadmium	ND(0.20)	ND(0.20)	ND(0.20)	1.1 J	0.26	1.4 J	1.3 J	0.39 J	ND(0.20)
Chromium	2.3	1.4	ND(0.60)	14	ND(0.60)	12	14	3.2	1
Cobalt	1	0.39	0.28	6	4	2.3	1.8	0.53	ND(0.20)
Copper	19	68	1.9 J	6.8	ND(0.60)	7.3 J	6.9 J	3.9	0.99 J
Cyanide (total)	2.1 J	ND(5.0)	6.4	ND(5.0)	38	6.6	3.3 J	ND(5.0)	ND(5.0)
Lead	ND(0.40)	ND(0.40)	ND(0.40)	3.3	ND(0.40)	0.88	0.62 J	ND(0.40)	ND(0.40)
Manganese	160	170	560	920(RDW)	120	200	1,100(RDW)	65	6
Mercury	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)
Nickel	13	9.5	3.7	24	5.2	12	12	6.5	3.0 J
Selenium	ND(1.4)	ND(1.4)	ND(1.4)	2.6 J	1.8 J	ND(1.4)	1.4 B,J	1.8 J	ND(5.0)
Silver	ND(0.40) J	ND(0.40) J	ND(0.40) J	0.47 J	0.98	0.92 J	1.1 J	ND(0.40)	ND(0.40)
Thallium	ND(0.20)	ND(0.20)	ND(0.20)	0.71	ND(0.20)	0.56 J	0.47 B,J	ND(0.20)	ND(0.20)
Vanadium	ND(0.80)	0.92	6.4(RDW)	2.3 J	ND(0.80)	ND(0.80)	0.99	2.6	ND(0.80)
Zinc	13	13	25	15	17	24	21	15	ND(6.0)
PCBs									
Aroclor-1016	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1221	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1232	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1242	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1248	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1254	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1260	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Total PCBs	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
PCBs-Filtered									
Aroclor-1016	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1221	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1232	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1242	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1248	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1254	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1260	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Total PCBs	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-84-03 05/22/01	RFI-84-04 05/23/01	RFI-84-05 10/02/01	RFI-85-02 06/22/01	RFI-85-02R 12/13/01	RFI-85-03 09/26/01	RFI-85-04R 02/28/02	RFI-85-05 10/18/01	RFI-85-06 09/24/01	RFI-85-07 11/19/01
Volatiles										
1,1,1-Trichloroethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.1	ND(1.0)
1,1,2,2-Tetrachloroethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) J	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	ND(1.0) [0.14 J]	ND(1.0)	16	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.57 J
1,1-Dichloroethene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	ND(25) [ND(25)]	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
2-Hexanone	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
Acetone	0.92 J [1.3 J]	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)
Benzene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.1
Benzene, isopropyl	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Bromodichloromethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J
Carbon disulfide	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J
Chloroform	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.6	ND(1.0)	ND(1.0)	0.56 J	ND(1.0)
Chloromethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	2.2 J [1.9]	ND(1.0) J	ND(1.0)	ND(1.0)	0.65 J	ND(1.0)	4.8	5.3 J	1.7	0.64 J
cis-1,3-Dichloropropene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	ND(5.0) [ND(5.0)]	ND(5.0) J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	14
Dibromochloromethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	0.12 J [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	25
Methyl acetate	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	14 J [13 J]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) J
Methylcyclohexane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	6.2
Methylene chloride	ND(5.0) J [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Styrene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.8	22(RDW,IDW)
Toluene	0.38 J [0.26 J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-84-03 05/22/01	RFI-84-04 05/23/01	RFI-84-05 10/02/01	RFI-85-02 06/22/01	RFI-85-02R 12/13/01	RFI-85-03 09/26/01	RFI-85-04R 02/28/02	RFI-85-05 10/18/01	RFI-85-06 09/24/01	RFI-85-07 11/19/01
trans-1,2-Dichloroethene	0.29 J [0.21 J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.7 J
trans-1,3-Dichloropropene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	ND(1.0) [ND(1.0)]	ND(1.0)	3.5	24(RDW,IDW)	36(RDW,IDW)	0.63 J	ND(1.0)	ND(1.0)	45(RDW,IDW)	7.7(RDW,IDW)
Trichlorofluoromethane (CFC-11)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	1.0 J [0.50 J]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.67 J
m&p-Xylene	0.23 J [ND(2.0)]	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	74
o-Xylene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.3
Xylenes (total)	0.23 [ND(2.0)]	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	76
Semivolatiles										
2,4,5-Trichlorophenol	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
2,4,6-Trichlorophenol	ND(4.0) [ND(4.0)]	ND(4.0)	ND(4.5)	ND(4.0)	ND(4.0)	ND(4.3)	ND(4.0)	ND(4.0)	ND(4.3)	ND(4.0)
2,4-Dichlorophenol	ND(10) [ND(10)]	ND(10)	ND(11)	ND(10)	ND(10)	ND(11)	ND(10)	ND(10)	ND(11)	ND(10)
2,4-Dimethylphenol	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
2,4-Dinitrophenol	ND(20) [ND(20) J]	ND(20) J	ND(22)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(22) J	ND(20)
2,4-Dinitrotoluene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
2,6-Dinitrotoluene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
2-Chloronaphthalene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
2-Chlorophenol	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
2-Methyl naphthalene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
2-Methylphenol	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
2-Nitroaniline	ND(20) [ND(20)]	ND(20)	ND(22)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(22)	ND(20)
2-Nitrophenol	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
3&4-Methylphenol	ND(10) [ND(10)]	ND(10)	ND(11) J	ND(10)	ND(10)	ND(11) J	ND(10)	ND(10) J	ND(11) J	ND(10) J
3,3-Dichlorobenzidine	ND(20) [ND(20)]	ND(20)	ND(22)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(22)	ND(20)
3-Nitroaniline	ND(20) [ND(20)]	ND(20)	ND(22)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(22)	ND(20)
4,6-Dinitro-2-methylphenol	ND(20) [ND(20) J]	ND(20)	ND(22)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(22) J	ND(20)
4-Bromophenyl phenyl ether	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
4-Chloro-3-methylphenol	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
4-Chloroaniline	ND(20) [ND(20)]	ND(20)	ND(22)	ND(20) J	ND(20)	ND(21)	ND(20)	ND(20)	ND(22)	ND(20)
4-Chlorophenyl phenyl ether	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
4-Nitroaniline	ND(20) [ND(20)]	ND(20)	ND(22)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(22)	ND(20)
4-Nitrophenol	ND(20) [ND(20)]	ND(20)	ND(22)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(22)	ND(20)
Acenaphthene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
Acenaphthylene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
Acetophenone	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
Anthracene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
Atrazine	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
Benzaldehyde	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0) J	ND(5.4) J	ND(5.0)
Benzo(a)anthracene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)
Benzo(a)pyrene	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.0)
Benzo(b)fluoranthene	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.0)
Benzo(g,h,i)perylene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0) J
Benzo(k)fluoranthene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-84-03 05/22/01	RFI-84-04 05/23/01	RFI-84-05 10/02/01	RFI-85-02 06/22/01	RFI-85-02R 12/13/01	RFI-85-03 09/26/01	RFI-85-04R 02/28/02	RFI-85-05 10/18/01	RFI-85-06 09/24/01	RFI-85-07 11/19/01
Biphenyl	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
bis(2-Chloroethoxy)methane	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
bis(2-Chloroethyl)ether	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)
bis(2-Chloroisopropyl)ether	ND(5.0) [ND(5.0)]	NS	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
bis(2-Ethylhexyl)phthalate	80(RDW,IDW) [77(RDW,IDW)]	12(RDW,IDW)	ND(5.6)	1.0 J	2.9 J	1.0 J	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
Butyl benzylphthalate	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
Caprolactam	ND(10) [ND(10)]	ND(10)	ND(11)	2.4 J	ND(10)	ND(11)	ND(10)	ND(10)	ND(11)	ND(10)
Carbazole	ND(10) [ND(10)]	ND(10)	ND(11)	ND(10)	ND(10)	ND(11)	ND(10)	ND(10)	ND(11)	ND(10)
Chrysene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
Di-n-butylphthalate	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
Di-n-octyl phthalate	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
Dibenzo(a,h)anthracene	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.0)
Dibenzofuran	ND(4.0) [ND(4.0)]	ND(4.0)	ND(4.5)	ND(4.0)	ND(4.0)	ND(4.3)	ND(4.0)	ND(4.0)	ND(4.3)	ND(4.0)
Diethyl phthalate	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	1.4 J	ND(5.3)	2.0 J	ND(5.0)	ND(5.4)	ND(5.0)
Dimethyl phthalate	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
Fluoranthene	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.0)
Fluorene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
Hexachlorobenzene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0)
Hexachlorobutadiene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
Hexachlorocyclopentadiene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
Hexachloroethane	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
Indeno(1,2,3-cd)pyrene	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.0) J
Isophorone	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
Methylphenols, Total	ND(10) [ND(10)]	ND(10)	ND(11)	ND(10)	ND(10)	ND(11)	ND(10)	ND(10)	ND(11)	ND(10)
N-Nitrosodi-n-propylamine	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
N-Nitrosodiphenylamine	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
Naphthalene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
Nitrobenzene	ND(2.0) [ND(2.0)]	ND(2.0)	ND(2.2)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.2)	ND(2.0)
Pentachlorophenol	ND(20) [ND(20)]	ND(20)	ND(22)	ND(20)	ND(20)	ND(21)	ND(20)	ND(20)	ND(22)	ND(20)
Phenanthrene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
Phenol	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
Pyrene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.6)	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)	ND(5.4)	ND(5.0)
Inorganics										
Antimony	NS	NS	NS	NS	0.38 J	NS	NS	NS	NS	ND(1.2) J
Arsenic	NS	NS	NS	NS	2.1	NS	NS	NS	NS	2.3
Barium	NS	NS	NS	NS	220	NS	NS	NS	NS	210 J
Beryllium	NS	NS	NS	NS	0.20 J	NS	NS	NS	NS	ND(0.40) J
Cadmium	NS	NS	NS	NS	0.24	NS	NS	NS	NS	0.065 J
Chromium	NS	NS	NS	NS	1.2	NS	NS	NS	NS	ND(0.60)
Cobalt	NS	NS	NS	NS	1.1	NS	NS	NS	NS	1.8
Copper	NS	NS	NS	NS	2	NS	NS	NS	NS	ND(0.60)
Cyanide (total)	NS	NS	1.1 J	NS	14	16	1.7 J	2.2 J	1.5 J	2.1 J
Lead	NS	NS	NS	NS	0.15 J	NS	NS	NS	NS	ND(0.40)
Manganese	NS	NS	NS	NS	100	NS	NS	NS	NS	930 J(RDW)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-84-03 05/22/01	RFI-84-04 05/23/01	RFI-84-05 10/02/01	RFI-85-02 06/22/01	RFI-85-02R 12/13/01	RFI-85-03 09/26/01	RFI-85-04R 02/28/02	RFI-85-05 10/18/01	RFI-85-06 09/24/01	RFI-85-07 11/19/01
Mercury	NS	NS	ND(0.20)	NS	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
Nickel	NS	NS	NS	NS	6.2 B	NS	NS	NS	NS	7.9
Selenium	NS	NS	NS	NS	ND(1.4)	NS	NS	NS	NS	ND(1.4)
Silver	NS	NS	NS	NS	0.67	NS	NS	NS	NS	ND(0.40) J
Thallium	NS	NS	NS	NS	0.093 J	NS	NS	NS	NS	0.040 J
Vanadium	NS	NS	NS	NS	ND(0.80)	NS	NS	NS	NS	ND(0.80)
Zinc	NS	NS	NS	NS	4.4 J	NS	NS	NS	NS	ND(6.0)
Inorganics-Filtered										
Antimony	ND(1.2) [ND(1.2)]	ND(1.2)	ND(1.2)	ND(1.2)	1.5	ND(1.2)	1.2 J	ND(1.2)	ND(1.2)	ND(1.2)
Arsenic	1.1 J [ND(1.0)]	1.7 J	ND(1.0)	1.9	6	ND(1.2)	10 B	5	ND(1.0)	2.6
Barium	280 [310]	30	120	200	220	380	180	150	35 J	240
Beryllium	ND(0.40) [ND(0.40)]	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	7.0 J(RDW,IDW)	ND(0.40)	ND(0.40)	ND(0.40)
Cadmium	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	0.24	3.4	ND(0.20)	0.58 J	ND(0.20)	ND(0.20)	ND(0.20)
Chromium	3.6 [4.8]	5.8	1.5	5.5	4	ND(0.81)	8.1	6.6	ND(0.60)	6.4
Cobalt	0.34 [0.37]	5.2	1.8	4.7 J	2.7	1.1	0.61 J	1.9	0.39	1.9
Copper	2.2 [5.2]	2.5	ND(3.9)	2.7	6	ND(3.0)	4.0 J	2.8	3.6	ND(0.60)
Cyanide (total)	4.0 J [3.9 J]	ND(5.0)	0.92 J	14	15	13	2.7 J	2.2 J	ND(5.0)	ND(5.0)
Lead	ND(0.40) [ND(0.40)]	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)
Manganese	170 [180]	1,600(RDW)	340	400	97	190	190	96	52 J	940 J(RDW)
Mercury	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)	ND(0.20)	ND(0.20)
Nickel	3.9 [4.4]	13	22	ND(14) J	5.4	13	8.9	7.8	3.4	8.4
Selenium	ND(1.4) [ND(1.4)]	1.5 J	42	2.6	2.8 J	80(RDW,IDW)	75 J(RDW,IDW)	2.9 J	ND(1.4)	ND(1.4)
Silver	ND(0.40) [ND(0.40)]	ND(0.40)	ND(0.40)	ND(0.40)	3.1	ND(0.40)	0.85 J	ND(0.40)	ND(0.40) J	ND(0.40)
Thallium	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)	ND(0.20)	0.43	ND(0.20)	0.35 J	ND(0.20)	ND(0.20)	ND(0.20)
Vanadium	1.9 [4.1]	ND(0.80)	ND(0.80)	14 J(RDW)	130(RDW,IDW)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	0.82 J
Zinc	12 J [18 J]	6.4	7.4	33	19	18	14	9.1	ND(6.0)	ND(6.0)
PCBs										
Aroclor-1016	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1221	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1232	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1242	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1248	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1254	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)
Aroclor-1260	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)
Total PCBs	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)
PCBs-Filtered										
Aroclor-1016	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1221	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1232	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1242	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1248	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1254	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)
Aroclor-1260	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)
Total PCBs	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-86-01 09/20/01	RFI-86-03 09/20/01	RFI-86-04 09/27/01	RFI-86-05 09/27/01	RFI-86-06D 09/28/01	RFI-86-06S 10/02/01	RFI-86-07 05/24/01	RFI-86-08 07/20/01
Volatiles								
1,1,1-Trichloroethane	ND(1.0)	3.4	ND(1.0)	4.9	2	2.2	ND(1.0) J [ND(1.0) J]	22
1,1,2,2-Tetrachloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J	ND(1.0) [ND(1.0)]	ND(1.0)
1,1,2-Trichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	ND(1.0)	7.3	ND(1.0)	0.89 J	2.3	2.7	ND(1.0) [ND(1.0)]	250 J
1,1-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,2-Dichloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	5.4(RDW,IDW)
1,2-Dichloropropane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,2-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,3-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
1,4-Dichlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
2-Butanone	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25) [ND(25)]	6.3 J
2-Hexanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50) [ND(50)]	ND(50)
4-Methyl-2-pentanone	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50) [ND(50)]	ND(50)
Acetone	ND(25)	ND(25)	1.3 J	0.71 J	ND(25)	ND(25)	2.0 J [2.0 J]	14 J
Benzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.14 J [0.15 J]	5.1(RDW,IDW)
Benzene, isopropyl	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	8.9
Bromodichloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Bromoform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Bromomethane	ND(1.0) J	ND(1.0) J	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Carbon disulfide	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	2.2 J
Carbon tetrachloride	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Chlorobenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Chloroethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	14,000 D(RDW,IDW)
Chloroform	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Chloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
cis-1,2-Dichloroethene	ND(1.0)	2.7	ND(1.0)	ND(1.0)	3.5	2.6	ND(1.0) J [ND(1.0) J]	13
cis-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Cyclohexane	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	1.0 J
Dibromochloromethane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Ethylbenzene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.11 J [ND(1.0) J]	7.9
Methyl acetate	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	ND(5.0)
Methylcyclohexane	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	3.6
Methylene chloride	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5.0)]	9.3(RDW,IDW)
Styrene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Tetrachloroethene	ND(1.0)	ND(1.0)	ND(1.0)	0.60 J	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Toluene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.20 J [0.20 J]	15

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-86-01 09/20/01	RFI-86-03 09/20/01	RFI-86-04 09/27/01	RFI-86-05 09/27/01	RFI-86-06D 09/28/01	RFI-86-06S 10/02/01	RFI-86-07 05/24/01	RFI-86-08 07/20/01
trans-1,2-Dichloroethene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	12
trans-1,3-Dichloropropene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Trichloroethene	ND(1.0)	7.9(RDW,IDW)	ND(1.0)	6.1(RDW,IDW)	21(RDW,IDW)	18(RDW,IDW)	ND(1.0) [ND(1.0)]	46(RDW,IDW)
Trichlorofluoromethane (CFC-11)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	ND(1.0)
Vinyl chloride	ND(1.0)	1.3	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	7.1(RDW,IDW)
m&p-Xylene	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]	14
o-Xylene	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1.0)]	15
Xylenes (total)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0) [ND(2.0)]	29
Semivolatiles								
2,4,5-Trichlorophenol	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
2,4,6-Trichlorophenol	ND(4.4)	ND(4.2)	ND(4.1)	ND(4.0)	ND(4.1)	ND(4.4)	ND(4.0) [ND(4.0)]	ND(40)
2,4-Dichlorophenol	ND(11)	ND(11)	ND(10)	ND(10)	ND(10)	ND(11)	ND(10) [ND(10)]	ND(100)
2,4-Dimethylphenol	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
2,4-Dinitrophenol	ND(22)	ND(21) J	ND(20) J	ND(20)	ND(21)	ND(22)	ND(20) [ND(20)]	ND(200)
2,4-Dinitrotoluene	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
2,6-Dinitrotoluene	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
2-Chloronaphthalene	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
2-Chlorophenol	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
2-Methyl naphthalene	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	320(RDW)
2-Methylphenol	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
2-Nitroaniline	ND(22)	ND(21)	ND(20)	ND(20)	ND(21)	ND(22)	ND(20) [ND(20)]	ND(200)
2-Nitrophenol	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
3&4-Methylphenol	ND(11) J	ND(11) J	ND(10) J	ND(10) J	ND(10) J	ND(11) J	ND(10) [ND(10)]	ND(100) J
3,3-Dichlorobenzidine	ND(22)	ND(21)	ND(20)	ND(20)	ND(21)	ND(22)	ND(20) [ND(20)]	ND(200)
3-Nitroaniline	ND(22)	ND(21)	ND(20)	ND(20)	ND(21)	ND(22)	ND(20) [ND(20)]	ND(200)
4,6-Dinitro-2-methylphenol	ND(22)	ND(21)	ND(20)	ND(20)	ND(21)	ND(22)	ND(20) [ND(20)]	ND(200)
4-Bromophenyl phenyl ether	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
4-Chloro-3-methylphenol	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
4-Chloroaniline	ND(22)	ND(21)	ND(20)	ND(20)	ND(21) J	ND(22)	ND(20) [ND(20)]	ND(200)
4-Chlorophenyl phenyl ether	5.6 R	5.3 R	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
4-Nitroaniline	ND(22)	ND(21)	ND(20)	ND(20)	ND(21)	ND(22)	ND(20) [ND(20)]	ND(200)
4-Nitrophenol	ND(22)	ND(21) J	ND(20)	ND(20)	ND(21)	ND(22)	ND(20) [ND(20)]	ND(200)
Acenaphthene	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
Acenaphthylene	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
Acetophenone	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0) J]	ND(50)
Anthracene	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
Atrazine	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1) J	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
Benzaldehyde	ND(5.6)	ND(5.3) J	ND(5.1)	ND(5.0)	ND(5.1) J	ND(5.6)	ND(5.0) J [ND(5.0)]	ND(50) J
Benzo(a)anthracene	ND(1.1)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0) [ND(1.0)]	ND(10)
Benzo(a)pyrene	ND(2.2)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.2)	ND(2.0) [ND(2.0)]	ND(20) J
Benzo(b)fluoranthene	ND(2.2)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.2)	ND(2.0) [ND(2.0)]	ND(20) J
Benzo(g,h,i)perylene	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) J [ND(5.0)]	ND(50) J
Benzo(k)fluoranthene	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50) J

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-86-01 09/20/01	RFI-86-03 09/20/01	RFI-86-04 09/27/01	RFI-86-05 09/27/01	RFI-86-06D 09/28/01	RFI-86-06S 10/02/01	RFI-86-07 05/24/01	RFI-86-08 07/20/01
Biphenyl	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1) J	ND(5.6)	ND(5.0) [ND(5.0)]	94
bis(2-Chloroethoxy)methane	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
bis(2-Chloroethyl)ether	ND(1.1)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0) [ND(1.0) J]	ND(10)
bis(2-Chloroisopropyl)ether	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
bis(2-Ethylhexyl)phthalate	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
Butyl benzylphthalate	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
Caprolactam	ND(11)	ND(11)	ND(10)	ND(10)	ND(10) J	ND(11)	ND(10) [ND(10) J]	ND(100)
Carbazole	ND(11)	ND(11)	ND(10)	ND(10)	ND(10) J	ND(11)	ND(10) [ND(10)]	ND(100)
Chrysene	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
Di-n-butylphthalate	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
Di-n-octyl phthalate	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50) J
Dibenzo(a,h)anthracene	ND(2.2)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.2)	ND(2.0) [ND(2.0)]	ND(20) J
Dibenzofuran	ND(4.4)	ND(4.2)	ND(4.1)	ND(4.0)	ND(4.1)	ND(4.4)	ND(4.0) [ND(4.0)]	ND(40)
Diethyl phthalate	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
Dimethyl phthalate	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
Fluoranthene	ND(2.2)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.2)	ND(2.0) [ND(2.0)]	ND(20)
Fluorene	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	47 J
Hexachlorobenzene	ND(1.1)	ND(1.1)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.1)	ND(1.0) [ND(1.0)]	ND(10)
Hexachlorobutadiene	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
Hexachlorocyclopentadiene	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
Hexachloroethane	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
Indeno(1,2,3-cd)pyrene	ND(2.2)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.2)	ND(2.0) [ND(2.0)]	ND(20) J
Isophorone	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
Methylphenols, Total	ND(11)	ND(11)	ND(10)	ND(10)	ND(10)	ND(11)	ND(10) [ND(10)]	ND(100)
N-Nitrosodi-n-propylamine	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
N-Nitrosodiphenylamine	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
Naphthalene	ND(5.6)	0.87 J	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	58
Nitrobenzene	ND(2.2)	ND(2.1)	ND(2.0)	ND(2.0)	ND(2.1)	ND(2.2)	ND(2.0) [ND(2.0)]	ND(20)
Pentachlorophenol	ND(22)	ND(21)	ND(20)	ND(20)	ND(21)	ND(22)	ND(20) [ND(20)]	ND(200)
Phenanthrene	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	17 J
Phenol	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
Pyrene	ND(5.6)	ND(5.3)	ND(5.1)	ND(5.0)	ND(5.1)	ND(5.6)	ND(5.0) [ND(5.0)]	ND(50)
Inorganics								
Antimony	ND(1.2)	NS	NS	NS	ND(1.2)	NS	NS	NS
Arsenic	14	NS	NS	NS	1.9	NS	NS	NS
Barium	140	NS	NS	NS	150	NS	NS	NS
Beryllium	2.8	NS	NS	NS	0.31 J	NS	NS	NS
Cadmium	2	NS	NS	NS	0.13 J	NS	NS	NS
Chromium	10	NS	NS	NS	0.81	NS	NS	NS
Cobalt	17	NS	NS	NS	1.3	NS	NS	NS
Copper	14	NS	NS	NS	5.3	NS	NS	NS
Cyanide (total)	ND(5.0)	1.2 J	1.8 J	2.8 J	ND(5.0)	ND(5.0)	NS	NS
Lead	10(RDW,IDW)	NS	NS	NS	1.4	NS	NS	NS
Manganese	760	NS	NS	NS	53	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-86-01 09/20/01	RFI-86-03 09/20/01	RFI-86-04 09/27/01	RFI-86-05 09/27/01	RFI-86-06D 09/28/01	RFI-86-06S 10/02/01	RFI-86-07 05/24/01	RFI-86-08 07/20/01
Mercury	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	NS	NS
Nickel	26	NS	NS	NS	11	NS	NS	NS
Selenium	2.5 J	NS	NS	NS	3.9	NS	NS	NS
Silver	ND(0.40)	NS	NS	NS	ND(0.40)	NS	NS	NS
Thallium	0.35	NS	NS	NS	0.11 J	NS	NS	NS
Vanadium	14(RDW)	NS	NS	NS	ND(0.80)	NS	NS	NS
Zinc	220	NS	NS	NS	16	NS	NS	NS
Inorganics-Filtered								
Antimony	ND(1.2)	ND(1.2)	ND(2.9)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2) [ND(1.2)]	ND(1.2)
Arsenic	6.1	2.7	2.1 J	1.4 J	ND(1.0)	ND(1.0) J	1.2 J [1.8 J]	17
Barium	56 J	150 J	120	620	100	140	33 J [34 J]	210
Beryllium	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40) [ND(0.40)]	ND(0.40)
Cadmium	ND(0.20)	ND(0.20)	0.22	0.58	ND(0.20)	ND(0.20)	3.9 J [3.9 J]	ND(0.20)
Chromium	ND(0.60)	0.78	0.69	0.81	ND(0.60)	ND(0.60)	ND(0.60) [ND(0.60)]	0.76
Cobalt	3.8	3.1	ND(0.20)	1.6	0.85	1.1	29 J [30 J]	5.4
Copper	6.8	1.5	9.9	2.3	2.4	ND(1.6)	2.2 J [1.9 J]	4.3
Cyanide (total)	ND(5.0)	3.2 J	1.7 J	2.6 J	ND(5.0)	1.2 J	ND(5.0) [ND(5.0)]	ND(5.0)
Lead	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40) [ND(0.40)]	ND(0.86)
Manganese	280	970(RDW)	39 J	280	38 J	3.3	2,800(RDW,IDW) [2,800(RDW,IDW)]	760
Mercury	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) J
Nickel	6.7	12	23	14	6.2	9.4	65 J [66 J]	23
Selenium	1.5 J	ND(1.4)	3.6 J	2.3 J	3.4 J	15	8.5 J [9.6 J]	9.7
Silver	0.66 J	0.74 J	ND(0.40) J	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40) [ND(0.40)]	ND(0.40) J
Thallium	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(0.24)
Vanadium	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80) [ND(0.80)]	4.1
Zinc	12	ND(6.0)	20	23	8.3 J	13	77 J [79 J]	22
PCBs								
Aroclor-1016	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.10)
Aroclor-1221	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.10)
Aroclor-1232	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.10)
Aroclor-1242	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.10)
Aroclor-1248	0.13 J	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.10)
Aroclor-1254	0.2	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.10)
Aroclor-1260	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.10)
Total PCBs	0.33	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.10)
PCBs-Filtered								
Aroclor-1016	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.10)
Aroclor-1221	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.10)
Aroclor-1232	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.10)
Aroclor-1242	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.10)
Aroclor-1248	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.10)
Aroclor-1254	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.10)
Aroclor-1260	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.10)
Total PCBs	ND(0.11)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10) [ND(0.10)]	ND(0.10)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-86-08R 02/21/02	RFI-86-15 02/19/02	RFI-94-01 05/22/01	RFI-94-03 05/21/01	RFI-94-04 05/22/01	RFI-94-06 05/21/01	TW 09/18/01
Volatiles							
1,1,1-Trichloroethane	6 [4.7]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2,2-Tetrachloroethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	92 D [84 D]	ND(1.0)	1.4	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1-Dichloroethene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane (EDB)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	2.2 [1.8]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone	3.9 J [3.1 J]	ND(25)	ND(25)	ND(25)	3.9 J	ND(25)	ND(25)
2-Hexanone	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
4-Methyl-2-pentanone	ND(50) [ND(50)]	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
Acetone	2.9 J [2.2 J]	ND(25)	ND(25)	2.7 J	3.6 J	ND(25)	ND(25)
Benzene	7.9(RDW,IDW) [6.4(RDW,IDW)]	ND(1.0)	ND(1.0)	ND(1.0)	0.45 J	0.28 J	0.81 J
Benzene, isopropyl	0.77 J [0.67 J]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Bromodichloromethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Carbon disulfide	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Carbon tetrachloride	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	8,300 D(RDW,IDW) [9,100 D(RDW,IDW)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroform	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	0.58 J [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	5.8 [4.6]	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0) J	ND(1.0)	ND(1.0)
cis-1,3-Dichloropropene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0) J	ND(5.0)	0.13 J	0.31 J	ND(5.0)
Dibromochloromethane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (CFC-12)	ND(1.0) [ND(1.0)]	ND(1.0)	160 DJ	ND(1.0)	0.23 J	ND(1.0)	ND(1.0)
Ethylbenzene	3.3 [2.8]	ND(1.0)	ND(1.0)	0.12 J	0.37 J	0.36 J	ND(1.0)
Methyl acetate	ND(5.0) [ND(5.0)]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methyl Tert Butyl Ether	ND(5.0) [ND(5.0)]	ND(5.0)	0.80 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	0.26 J	0.62 J	ND(1.0)
Methylene chloride	3.1 J [2.5 J]	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Styrene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Toluene	20 [16]	ND(1.0)	0.19 J	0.32 J	2.4	0.81 J	ND(1.0)

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-86-08R 02/21/02	RFI-86-15 02/19/02	RFI-94-01 05/22/01	RFI-94-03 05/21/01	RFI-94-04 05/22/01	RFI-94-06 05/21/01	TW 09/18/01
trans-1,2-Dichloroethene	3.2 [2.5]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,3-Dichloropropene	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	8.3(RDW,IDW) [6.6(RDW,IDW)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichlorofluoromethane (CFC-11)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trifluorotrichloroethane (Freon 113)	ND(1.0) [ND(1.0)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	6.3(RDW,IDW) [5.1(RDW,IDW)]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
m&p-Xylene	6.8 [5.7]	ND(2.0)	ND(2.0)	0.15 J	0.88 J	0.44 J	0.88 J
o-Xylene	6.3 [5.3]	ND(1.0)	ND(1.0)	ND(1.0)	0.39 J	0.20 J	ND(1.0)
Xylenes (total)	13 [11]	ND(2.0)	ND(2.0)	0.15	1.3	0.64	0.88
Semivolatiles							
2,4,5-Trichlorophenol	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
2,4,6-Trichlorophenol	ND(4.0) [ND(4.0)]	NS	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)
2,4-Dichlorophenol	ND(10) [ND(10)]	NS	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
2,4-Dimethylphenol	2.9 J [2.5 J]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
2,4-Dinitrophenol	ND(20) [ND(20)]	NS	ND(20) J	ND(20)	ND(20) J	ND(20)	ND(20)
2,4-Dinitrotoluene	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
2,6-Dinitrotoluene	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
2-Chloronaphthalene	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
2-Chlorophenol	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
2-Methyl naphthalene	55 [49]	NS	ND(5.0)	ND(5.0)	0.61 J	ND(5.0)	ND(5.0)
2-Methylphenol	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
2-Nitroaniline	ND(20) [ND(20)]	NS	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)
2-Nitrophenol	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
3&4-Methylphenol	ND(10) [ND(10)]	NS	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) J
3,3-Dichlorobenzidine	ND(20) [ND(20)]	NS	ND(20)	ND(20)	ND(20)	ND(20)	ND(20) J
3-Nitroaniline	ND(20) [ND(20)]	NS	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)
4,6-Dinitro-2-methylphenol	ND(20) [ND(20)]	NS	ND(20) J	ND(20)	ND(20) J	ND(20)	ND(20)
4-Bromophenyl phenyl ether	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
4-Chloro-3-methylphenol	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
4-Chloroaniline	ND(20) [ND(20)]	NS	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)
4-Chlorophenyl phenyl ether	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	5.0 R
4-Nitroaniline	ND(20) [ND(20)]	NS	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)
4-Nitrophenol	ND(20) [ND(20)]	NS	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)
Acenaphthene	0.56 J [ND(5.0)]	NS	0.77 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Acenaphthylene	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Acetophenone	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Anthracene	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Atrazine	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Benzaldehyde	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Benzo(a)anthracene	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) J
Benzo(a)pyrene	ND(2.0) [ND(2.0)]	NS	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0) J
Benzo(b)fluoranthene	ND(2.0) [ND(2.0)]	NS	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	0.69 J
Benzo(g,h,i)perylene	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) J
Benzo(k)fluoranthene	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.72 J

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-86-08R 02/21/02	RFI-86-15 02/19/02	RFI-94-01 05/22/01	RFI-94-03 05/21/01	RFI-94-04 05/22/01	RFI-94-06 05/21/01	TW 09/18/01
Biphenyl	11 [9.5]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
bis(2-Chloroethoxy)methane	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
bis(2-Chloroethyl)ether	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
bis(2-Chloroisopropyl)ether	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
bis(2-Ethylhexyl)phthalate	ND(5.0) [ND(5.0)]	NS	11(RDW,IDW)	180 D(RDW,IDW)	76(RDW,IDW)	ND(5.0)	0.96 J
Butyl benzylphthalate	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) J
Caprolactam	ND(10) [ND(10)]	NS	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Carbazole	ND(10) [ND(10)]	NS	2.8 J	ND(10)	ND(10)	ND(10)	ND(10)
Chrysene	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	1.1 J
Di-n-butylphthalate	ND(5.0) [ND(5.0)]	NS	13(GSI)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Di-n-octyl phthalate	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) J
Dibenzo(a,h)anthracene	ND(2.0) [ND(2.0)]	NS	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0) J
Dibenzofuran	2.2 J [2.0 J]	NS	0.71 J	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)
Diethyl phthalate	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Dimethyl phthalate	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Fluoranthene	ND(2.0) [ND(2.0)]	NS	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	1.4 J
Fluorene	2.0 J [1.8 J]	NS	1.5 J	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Hexachlorobenzene	ND(1.0) [ND(1.0)]	NS	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Hexachlorobutadiene	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Hexachlorocyclopentadiene	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Hexachloroethane	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Indeno(1,2,3-cd)pyrene	ND(2.0) [ND(2.0)]	NS	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0) J
Isophorone	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylphenols, Total	ND(10) [ND(10)]	NS	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
N-Nitrosodi-n-propylamine	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
N-Nitrosodiphenylamine	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Naphthalene	37 [33]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Nitrobenzene	ND(2.0) [ND(2.0)]	NS	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Pentachlorophenol	ND(20) [ND(20)]	NS	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)
Phenanthrene	ND(5.0) [ND(5.0)]	NS	1.7 J	ND(5.0)	ND(5.0)	ND(5.0)	0.88 J
Phenol	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Pyrene	ND(5.0) [ND(5.0)]	NS	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	3.0 J
Inorganics							
Antimony	NS	NS	NS	NS	NS	NS	NS
Arsenic	NS	NS	NS	NS	NS	NS	NS
Barium	NS	NS	NS	NS	NS	NS	NS
Beryllium	NS	NS	NS	NS	NS	NS	NS
Cadmium	NS	NS	NS	NS	NS	NS	NS
Chromium	NS	NS	NS	NS	NS	NS	NS
Cobalt	NS	NS	NS	NS	NS	NS	NS
Copper	NS	NS	NS	NS	NS	NS	NS
Cyanide (total)	2.9 J [ND(5.0)]	NS	NS	NS	NS	NS	6.1
Lead	NS	NS	NS	NS	NS	NS	NS
Manganese	NS	NS	NS	NS	NS	NS	NS

TABLE D-2

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

GROUNDWATER ANALYTICAL DATA

Sample ID: / Date Collected:	RFI-86-08R 02/21/02	RFI-86-15 02/19/02	RFI-94-01 05/22/01	RFI-94-03 05/21/01	RFI-94-04 05/22/01	RFI-94-06 05/21/01	TW 09/18/01
Mercury	ND(0.20) [ND(0.20)]	NS	NS	NS	NS	NS	ND(0.20)
Nickel	NS	NS	NS	NS	NS	NS	NS
Selenium	NS	NS	NS	NS	NS	NS	NS
Silver	NS	NS	NS	NS	NS	NS	NS
Thallium	NS	NS	NS	NS	NS	NS	NS
Vanadium	NS	NS	NS	NS	NS	NS	NS
Zinc	NS	NS	NS	NS	NS	NS	NS
Inorganics-Filtered							
Antimony	ND(1.2) [ND(1.2)]	NS	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
Arsenic	36 [36]	NS	5.6 J	3.9 J	52 J(RDW,IDW)	5.7 J	3.5
Barium	240 [220]	NS	63	280	99	70	42
Beryllium	9.8 J(RDW,IDW) [8.0 J(RDW,IDW)]	NS	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)
Cadmium	0.62 J [0.59 J]	NS	0.26	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
Chromium	16 [23]	NS	2.5	2.5	2.6	2.1	2.7
Cobalt	0.92 J [0.81]	NS	1	0.26	1.5	1.5	ND(0.20)
Copper	4.3 [3.3 J]	NS	14	3.3	3.6	5.2	2.3
Cyanide (total)	1.7 J [1.0 J]	NS	5.3	13	ND(5.0)	4.8 J	4.1 J
Lead	ND(0.40) [ND(0.40)]	NS	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	0.49
Manganese	190 [180]	NS	440	250	100	400	50
Mercury	ND(0.20) [ND(0.20)]	NS	ND(0.20)	ND(0.20)	ND(0.20)	0.2	ND(0.20)
Nickel	19 [19]	NS	3.2	4	9.2	7.6	0.77
Selenium	4.4 B,J [1.5 B,J]	NS	ND(1.4)	ND(1.4)	2.0 J	ND(1.4)	ND(1.4)
Silver	0.61 J [ND(0.40)]	NS	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)
Thallium	0.25 B [0.23 B]	NS	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
Vanadium	4.4 [6.4(RDW)]	NS	2.6	1.8	3.9	9.8(RDW)	5.5(RDW)
Zinc	16 [19]	NS	9.4 J	31	7.7 J	6.2	12
PCBs							
Aroclor-1016	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1221	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1232	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1242	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1248	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Aroclor-1254	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	0.28
Aroclor-1260	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	0.085 J
Total PCBs	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	0.37
PCBs-Filtered							
Aroclor-1016	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1221	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1232	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1242	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1248	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1254	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)
Aroclor-1260	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)
Total PCBs	ND(0.10) [ND(0.10)]	NS	ND(0.10)	ND(0.10)	ND(0.11)	ND(0.10)	ND(0.10)

TABLE D-3

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

MDEQ Part 201 Groundwater Criteria
(for constituents listed in the Project Analyte List)

	Chemical Abstract Service Number	Residential & Commercial I Drinking Water Criteria (RDW)	Industrial & Commercial II, III & IV Drinking Water Criteria (IDW)	Groundwater Surface Water Interface Criteria (GSI)	Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation Criteria (RVIA)	Industrial & Commercial II, III & IV Groundwater Volatilization to Indoor Air Inhalation Criteria (IVIA)	Groundwater Contact Criteria (GCC)	Flammability and Explosivity Screening Level (FE)	Acute Inhalation Screening Level (GAI)
VOLATILES									
1,1,1-Trichloroethane	71556	200 {A}	200 {A}	200	6.6E+5	1.3E+6 {S}	1.3E+6 {S}	ID	1.3E+6 {S}
1,1,2,2-Tetrachloroethane	79345	8.5	35	78 {X}	12,000	77,000	4,700	ID	ID
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	1.7E+5 {S}	1.7E+5 {S}	NA	1.7E+5 {S}	1.7E+5 {S}	1.7E+5 {S}	ID	1.7E+5 {S}
1,1,2-Trichloroethane	79005	5.0 {A}	5.0 {A}	330 {X}	17,000	1.1E+5	21,000	1.8E+6	ID
1,1-Dichloroethane	75343	880	2,500	ID	1.0E+6	2.3E+6	2.4E+6	1.9E+5	ID
1,1-Dichloroethylene {I}	75354	7.0 {A}	7.0 {A}	65 {X}	200	1,300	11,000	48,000	1.4E+5
1,2,4-Trichlorobenzene	120821	70 {A}	70 {A}	30	3.0E+5 {S}	3.0E+5 {S}	19,000	NA	3.0E+5 {S}
1,2-Dibromo-3-chloropropane	96128	0.2 {A}	0.2 {A}	NA	1,200 {S}	1,200 {S}	390	NA	ID
1,2-Dibromoethane	106934	1.0 {A,M}	1.0 {A,M}	1.0 {M}	2,400	15,000	25	ID	ID
1,2-Dichlorobenzene	95501	600 {A}	600 {A}	16	1.6E+5 {S}	1.6E+5 {S}	1.6E+5 {S}	NA	1.6E+5 {S}
1,2-Dichloroethane {I}	107062	5.0 {A}	5.0 {A}	360 {X}	9,600	59,000	19,000	1.3E+6	ID
1,2-Dichloropropane	78875	5.0 {A}	5.0 {A}	290 {X}	16,000	36,000	16,000	2.7E+5	2.8E+6 {S}
1,3-Dichlorobenzene	541731	6.6	19	38	ID	ID	2,000	ID	ID
1,4-Dichlorobenzene	106467	75 {A}	75 {A}	13	16,000	74,000 {S}	6,400	NA	ID
2-Butanone (MEK) {I}	78933	13,000	38,000	2,200	2.4E+8 {S}	2.4E+8 {S}	2.4E+8 {S}	ID	2.4E+8 {S}
2-Hexanone	591786	1,000	2,900	NA	4.2E+6	8.8E+6	5.2E+6	ID	ID
4-Methyl-2-pentanone (MIBK) {I}	108101	1,800	5,200	ID	2.0E+7 {S}	2.0E+7 {S}	1.3E+7	ID	2.0E+7 {S}
Acetone {I}	67641	730	2,100	1,700	1.0E+9 {D,S}	1.0E+9 {D,S}	3.1E+7	7.5E+6	1.0E+9 {D}
Benzene {I}	71432	5.0 {A}	5.0 {A}	240	5,600	36,000	11,000	34,000	67,000
Bromodichloromethane	75274	100 {A,W}	100 {A,W}	ID	4,800	38,000	14,000	ID	ID
Bromoform	75252	100 {A,W}	100 {A,W}	ID	4.8E+5	3.1E+6 {S}	1.4E+5	ID	ID
Bromomethane	74839	10	29	35	4,000	9,000	70,000	ID	ID
Carbon disulfide {I,R}	75150	800	2,300	ID	2.5E+5	5.5E+5	1.2E+6 {S}	6,500	ID
Carbon tetrachloride	56235	5.0 {A}	5.0 {A}	45 {X}	370	2,400	4,600	ID	96,000
Chlorobenzene	108907	100 {A}	100 {A}	47	2.1E+5	4.7E+5 {S}	86,000	79,000	ID
Chloroethane	75003	430	1,700	ID	5.7E+6 {S}	5.7E+6 {S}	4.4E+5	56,000	ID
Chloroform	67663	100 {A,W}	100 {A,W}	170 {X}	28,000	1.8E+5	1.5E+5	ID	ID
Chloromethane {I}	74873	260	1,100	ID	8,600	52,000	4.9E+5	18,000	2.1E+5
cis-1,2-Dichloroethylene	156592	70 {A}	70 {A}	ID	96,000	2.2E+5	2.0E+5	2.7E+5	ID
cis-1,3-Dichloropropene	10061015	21	63	NA	2.0	13	13,000	66,000	NA

TABLE D-3

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

MDEQ Part 201 Groundwater Criteria
(for constituents listed in the Project Analyte List)

	Chemical Abstract Service Number	Residential & Commercial I Drinking Water Criteria (RDW)	Industrial & Commercial II, III & IV Drinking Water Criteria (IDW)	Groundwater Surface Water Interface Criteria (GSI)	Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation Criteria (RVIA)	Industrial & Commercial II, III & IV Groundwater Volatilization to Indoor Air Inhalation Criteria (IVIA)	Groundwater Contact Criteria (GCC)	Flammability and Explosivity Screening Level (FE)	Acute Inhalation Screening Level (GAI)
VOLATILES (continued)									
Cyclohexane	110827	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	124481	100 {A,W}	100 {A,W}	ID	15,000	1.1E+5	18,000	ID	ID
Dichlorodifluoromethane	75718	1,700	4,800	ID	2.2E+5	3.0E+5 {S}	3.0E+5 {S}	ID	ID
Ethylbenzene {I}	100414	700 {E}	700 {E}	18	1.7E+5 {S}	1.7E+5 {S}	1.7E+5 {S}	22,000	1.7E+5 {S}
Isopropyl benzene	98828	800	2,300	ID	56,000 {S}	56,000 {S}	56,000 {S}	15,000	ID
Methyl acetate	79209	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	1634044	240 {E}	690 {E}	730 {X}	4.7E+7 {S}	4.7E+7 {S}	6.9E+5	ID	ID
Methylcyclohexane	108872	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	75092	5.0 {A}	5.0 {A}	940 {X}	2.2E+5	1.4E+6	2.2E+5	ID	ID
Styrene	100425	100 {A}	100 {A}	80	1.7E+5	3.1E+5 {S}	9,700	68,000	3.1E+5 {S}
Tetrachloroethylene	127184	5.0 {A}	5.0 {A}	45 {X}	25,000	1.7E+5	12,000	ID	2.0E+5 {S}
Toluene {I}	108883	1,000 {E}	1,000 {E}	140	5.3E+5 {S}	5.3E+5 {S}	5.3E+5 {S}	31,000	ID
trans-1,2-Dichloroethylene	156605	100 {A}	100 {A}	ID	85,000	2.0E+5	2.2E+5	1.2E+5	ID
trans-1,3-Dichloropropene	10061026	21	63	NA	2.0	13	13,000	66,000	NA
Trichloroethylene	79016	5.0 {A}	5.0 {A}	200 {X}	15,000	97,000	37,000	ID	1.1E+6 {S}
Trichlorofluoromethane	75694	2,600	7,300	NA	1.1E+6 {S}	1.1E+6 {S}	1.1E+6 {S}	ID	1.1E+6 {S}
Vinyl chloride	75014	2.0 {A}	2.0 {A}	15	110	690	570	17,000	ID
Xylenes (total) {I}	1330207	10,000 {E}	10,000 {E}	35	1.9E+5 {S}	1.9E+5 {S}	1.9E+5 {S}	35,000	1.9E+5 {S}
SEMIVOLATILES									
1,1'-Biphenyl	92524	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95954	730	2,100	NA	NLV	NLV	1.7E+5	ID	ID
2,4,6-Trichlorophenol	88062	120	470	4.4	NLV	NLV	10,000	ID	ID
2,4-Dichlorophenol	120832	73	210	19	NLV	NLV	48,000	ID	ID
2,4-Dimethylphenol	105679	370	1,000	380	NLV	NLV	5.2E+5	ID	ID
2,4-Dinitrophenol	51285	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	121142	7.7	32	NA	NLV	NLV	8,600	ID	ID
2,6-Dinitrotoluene	606202	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	91587	1,800	5,200	NA	ID	ID	6,700 {S}	ID	ID
2-Chlorophenol	95578	45	130	22	ID	ID	94,000	ID	ID
2-Methyl-4,6-dinitrophenol	534521	20 {M}	20 {M}	NA	NLV	NLV	9,500	ID	ID

TABLE D-3

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

MDEQ Part 201 Groundwater Criteria
(for constituents listed in the Project Analyte List)

	Chemical Abstract Service Number	Residential & Commercial I Drinking Water Criteria (RDW)	Industrial & Commercial II, III & IV Drinking Water Criteria (IDW)	Groundwater Surface Water Interface Criteria (GSI)	Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation Criteria (RVIA)	Industrial & Commercial II, III & IV Groundwater Volatilization to Indoor Air Inhalation Criteria (IVIA)	Groundwater Contact Criteria (GCC)	Flammability and Explosivity Screening Level (FE)	Acute Inhalation Screening Level (GAI)
SEMIVOLATILES (continued)									
2-Methylnaphthalene	91576	260	750	ID	ID	ID	25,000 {S}	ID	ID
2-Methylphenol {J}	95487	370	1,000	71	NLV	NLV	8.1E+5	NA	ID
2-Nitroaniline	88744	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	88755	20	58	ID	NLV	NLV	79,000	ID	ID
3,3'-Dichlorobenzidine	91941	1.1	4.3	0.3 {M,X}	NLV	NLV	180	ID	ID
3-Nitroaniline	99092	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl phenyl ether	101553	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	59507	150	420	NA	NLV	NLV	79,000	ID	ID
4-Chloroaniline	106478	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	7005723	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol {J}	106445	370	1,000	71	NLV	NLV	8.1E+5	NA	ID
4-Nitroaniline	100016	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	100027	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	83329	1,300	3,800	19	4,200 {S}	4,200 {S}	4,200 {S}	ID	ID
Acenaphthylene	208968	52	150	ID	3,900 {S}	3,900 {S}	3,900 {S}	ID	ID
Acetophenone	98862	1,500	4,400	NA	6.1E+6 {S}	6.1E+6 {S}	6.1E+6 {S}	ID	ID
Anthracene	120127	43 {S}	43 {S}	ID	43 {S}	43 {S}	43 {S}	ID	ID
Atrazine	1912249	3.0	3.0	7.3	NLV	NLV	5,400	ID	ID
Benzaldehyde	100527	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene {Q}	56553	2.1	8.5	NA	NLV	NLV	9.4 {S,AA}	ID	ID
Benzo(a)pyrene {Q}	50328	5.0 {A,M}	5.0 {A,M}	ID	NLV	NLV	5.0 {M,AA}	ID	ID
Benzo(b)fluoranthene	205992	2.0 {M}	2.0 {M}	ID	NLV	NLV	2.0 {M,AA}	ID	ID
Benzo(g,h,i)perylene	191242	5.0 {M}	5.0 {M}	NA	NLV	NLV	5.0 {M,AA}	ID	ID
Benzo(k)fluoranthene	207089	5.0 {M}	5.0 {M}	NA	NLV	NLV	5.0 {M,AA}	ID	ID
bis(2-Chloroethoxy)methane	111911	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	111444	2.0	8.3	NA	38,000	2.1E+5	5,700	1.7E+7 {S}	1.7E+7 {S}
bis(2-Chloroisopropyl)ether	108601	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	117817	6.0 {A}	6.0 {A}	32	NLV	NLV	320 {AA}	NA	340 {S}
Butyl benzyl phthalate	85687	1,200	2,700 {S}	14 {X}	NLV	NLV	2,700 {S}	ID	ID
Caprolactam	105602	5,800	17,000	NA	NLV	NLV	3.9E+8	NA	1.0E+9 {D}

TABLE D-3

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

MDEQ Part 201 Groundwater Criteria
(for constituents listed in the Project Analyte List)

	Chemical Abstract Service Number	Residential & Commercial I Drinking Water Criteria (RDW)	Industrial & Commercial II, III & IV Drinking Water Criteria (IDW)	Groundwater Surface Water Interface Criteria (GSI)	Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation Criteria (RVIA)	Industrial & Commercial II, III & IV Groundwater Volatilization to Indoor Air Inhalation Criteria (IVIA)	Groundwater Contact Criteria (GCC)	Flammability and Explosivity Screening Level (FE)	Acute Inhalation Screening Level (GAI)
SEMIVOLATILES (continued)									
Carbazole	86748	85	350	10 {M}	NLV	NLV	7,400	ID	ID
Chrysene	218019	5.0 {M}	5.0 {M}	ID	ID	ID	5.0 {M,AA}	ID	ID
Dibenz(a,h)anthracene {Q}	53703	5.0 {M}	5.0 {M}	ID	NLV	NLV	5.0 {M,AA}	ID	ID
Dibenzofuran	132649	ID	ID	4.0	ID	ID	ID	ID	ID
Diethyl phthalate	84662	5,500	16,000	NA	NLV	NLV	1.1E+6 {S}	NA	ID
Dimethyl phthalate	131113	73,000	2.1E+5	NA	NLV	NLV	4.2E+6 {S}	NA	ID
Di-n-butylphthalate	84742	880	2,500	9.7	NLV	NLV	11,000 {S}	NA	ID
Di-n-octylphthalate	117840	130	380	ID	NLV	NLV	400	ID	ID
Fluoranthene	206440	210 {S}	210 {S}	1.6	210 {S}	210 {S}	210 {S}	ID	ID
Fluorene	86737	880	2,000 {S}	12	2,000 {S}	2,000 {S}	2,000 {S}	ID	ID
Hexachlorobenzene	118741	1.0 {A}	1.0 {A}	ID	440	3,000	4.6	ID	ID
Hexachlorobutadiene	87683	15	42	0.053	1,600	3,200 {S}	400	ID	ID
Hexachlorocyclopentadiene	77474	50 {A}	50 {A}	ID	ID	ID	1,800 {S}	ID	ID
Hexachloroethane	67721	7.3	21	6.7 {X}	27,000	50,000 {S}	1,900	ID	ID
Indeno(1,2,3-cd)pyrene	193395	5.0 {M}	5.0 {M}	ID	NLV	NLV	5.0 {M,AA}	ID	ID
Isophorone	78591	770	3,100	570 {X}	NLV	NLV	9.9E+5	NA	1.2E+7 {S}
Methylphenols (J)	1319773	370	1,000	71	NLV	NLV	8.1E+5	NA	ID
Naphthalene	91203	520	1,500	13	31,000 {S}	31,000 {S}	31,000 {S}	31,000 {S}	31,000 {S}
Nitrobenzene {I}	98953	3.4	9.6	180 {X}	2.1E+6 {S}	2.1E+6 {S}	11,000	NA	ID
N-Nitrosodi-n-propylamine	621647	5.0 {M}	5.0 {M}	NA	NLV	NLV	360	ID	ID
N-Nitrosodiphenylamine	86306	270	1,100	NA	NLV	NLV	35,000 {S}	ID	ID
Pentachlorophenol	87865	1.0 {A}	1.0 {A}	2.8 {G,X}	NLV	NLV	200	ID	ID
Phenanthrene	85018	52	150	5.0 {M}	1,000 {S}	1,000 {S}	1,000 {S}	ID	ID
Phenol	108952	4,400	13,000	210	NLV	NLV	2.9E+7	NA	ID
Pyrene	129000	140 {S}	140 {S}	ID	140 {S}	140 {S}	140 {S}	ID	ID
PCBs									
Polychlorinated biphenyls (PCBs) {J,T}	1336363	0.5 {A}	0.5 {A}	0.2 {M}	45 {S}	45 {S}	3.3 {AA}	ID	ID

TABLE D-3

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

MDEQ Part 201 Groundwater Criteria
(for constituents listed in the Project Analyte List)

	Chemical Abstract Service Number	Residential & Commercial I Drinking Water Criteria (RDW)	Industrial & Commercial II, III & IV Drinking Water Criteria (IDW)	Groundwater Surface Water Interface Criteria (GSI)	Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation Criteria (RVIA)	Industrial & Commercial II, III & IV Groundwater Volatilization to Indoor Air Inhalation Criteria (IVIA)	Groundwater Contact Criteria (GCC)	Flammability and Explosivity Screening Level (FE)	Acute Inhalation Screening Level (GAI)
INORGANICS									
Antimony	7440360	6.0 {A}	6.0 {A}	ID	NLV	NLV	68,000	ID	ID
Arsenic {B}	7440382	50 {A}	50 {A}	150 {X}	NLV	NLV	4,300	ID	ID
Barium	7440393	2,000 {A}	2,000 {A}	820 {G,X}	NLV	NLV	1.4E+7	ID	ID
Beryllium	7440417	4.0 {A}	4.0 {A}	11 {G}	NLV	NLV	2.9E+5	ID	ID
Cadmium {B}	7440439	5.0 {A}	5.0 {A}	2.5 {G,X}	NLV	NLV	1.9E+5	ID	ID
Chromium (III) {B,H}	16065831	100 {A}	100 {A}	120 {G,X}	NLV	NLV	2.9E+8	ID	ID
Chromium (VI)	18540299	100 {A}	100 {A}	11	NLV	NLV	4.6E+5	ID	ID
Cobalt	7440484	40	100	100	NLV	NLV	2.4E+6	ID	ID
Copper	7440508	1,400 {E}	4,000 {E}	15 {G}	NLV	NLV	7.4E+6	ID	ID
Cyanide {R}	57125	200 {A}	200 {A}	20 {M}	NLV	NLV	57,000	ID	ID
Lead	7439921	4.0 {L}	4.0 {L}	14 {G,X}	NLV	NLV	ID	ID	ID
Manganese {B}	7439965	860 {E}	2,500 {E}	890 {G,X}	NLV	NLV	9.1E+6	ID	ID
Mercury (Inorganic)	7439976	2.0 {A}	2.0 {A}	1.3E-3 {Z}	NLV	NLV	56 {S}	ID	ID
Nickel {B}	7440020	100 {A}	100 {A}	86 {G}	NLV	NLV	7.4E+7	ID	ID
Selenium {B}	7782492	50 {A}	50 {A}	5.0	NLV	NLV	9.7E+5	ID	ID
Silver {B}	7440224	34	98	0.2 {M}	NLV	NLV	1.5E+6	ID	ID
Thallium {B}	7440280	2.0 {A}	2.0 {A}	3.7 {X}	NLV	NLV	13,000	ID	ID
Vanadium	7440622	4.5	62	12	NLV	NLV	9.7E+5	ID	ID
Zinc {B}	7440666	2,400	5,000 {E}	190 {G}	NLV	NLV	1.1E+8	ID	ID

TABLE D-4

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

NOTES

General Notes:

Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc., 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.
Groundwater concentrations are presented in micrograms per liter (ug/L).
Total Xylenes reported as the sum of m&p-Xylene and o-Xylene.
Total PCBs reported as the sum of PCB aroclors.
Notes in parentheses within cells represent constituent concentrations that exceed at least one of the listed Michigan Part 201 Criteria:

RDW = Residential Drinking Water criteria, updated June 2000.
IDW = Industrial Drinking Water criteria, updated June 2000.
GSI = Groundwater/Surface Water Interaction criteria, updated June 2000.
GCC = Groundwater Contact criteria, updated June 2000.
GAI = Groundwater Acute Inhalation Screening Level, updated June 2000.
RVIA = Residential & Commercial I Groundwater Volatilization to Indoor Air Inhalation criteria, updated June 2000.
IVIA = Industrial & Commercial II, III, & IV Groundwater Volatilization to Indoor Air Inhalation criteria, updated June 2000.
FE = Flammability and Explosivity Screening Level, updated June 2000.

Data Qualifiers:

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.
ND = Not detected. The value in parentheses represents the associated detection limit.
(f) = Filtered sample.
x = Sample collected using ultra low flow collection methods.

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.
{A} = Criterion is the State of Michigan Drinking Water Standard established pursuant to Section 5 of the Safe Drinking Water Act, Act No. 399 of the Public Acts of 1976.
{B} = Background, as defined in Rule 299.570 l(c), may be substituted if higher than the calculated cleanup criteria. Background levels may not exceed criteria for all inorganic compounds.
{D} = Calculated criterion exceeds 100%, hence it is reduced to 100% (i.e., 1.0E+9 ppb). Evaluation of free phase contaminant, environmental impacts, adverse aesthetics and acute or local toxicity is required.
{E} = Criterion is the aesthetic drinking water value, as required by Sec. 20120(1)(5). A Notice of Aesthetic Impact may be employed as an institutional control mechanism where groundwater concentrations exceed the aesthetic DWC, but do not exceed the applicable health-based DWC. Health-based DWC are provided in the table below.

TABLE D-4

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

NOTES

MDEQ Criteria Qualifiers (Cont'd.):

Hazardous Substance	CAS #	Residential Health-Based DWC	Industrial-Commercial Health-Based DWC
Aluminum	7429905	300	4,100
Chloride	16887006	ID	ID
Copper	7440508	1,400	4,000
Diethyl ether	60297	3,700	10,000
Ethylbenzene	100414	700	700
Iron	7439896	2,000	5,600
Manganese	7439965	860	2,500
Methyl-tert-butyl ether (MTBE)	1634044	240	690
Sulfate	14808798	ID	ID
Toluene	108883	1,000	1,000
1,2,4-Trimethylbenzene	95636	1,000	2,900
1,3,5-Trimethylbenzene	108678	1,000	2,900
Xylenes	1330207	10,000	10,000

{H} = Valence-specific chromium data (Cr III and Cr VI) must 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 DWC of 100 ug/l. If analytical data are provided for "total" chromium only, then values for Cr VI must be applied as the cleanup criteria. Cr III 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.

{I} = Hazardous substance may exhibit the characteristic of ignitability as defined in 40 CFR 261.21.

{J} = Hazardous substance may be present in several isomer forms. Isomer-specific concentrations must be added together for comparison to criteria.

{L} = Reserved

{M} = Calculated criterion is below the analytical Target Detection Limit (TDL), therefore, the criterion defaults to the TDL.

{Q} = Criteria for carcinogenic polycyclic aromatic hydrocarbons (PAHs) were developed using "relative potential potencies" (RPPs) to benzo(a)pyrene.

{R} = Hazardous substance may exhibit the characteristic of reactivity as defined in 40 CFR 261.23.

{S} = Criterion defaults to the chemical-specific water solubility limit.

{T} = Refer to the Toxic Substances Control Act (TSCA), 40 CFR 761, Subparts D and G, as amended, to determine the applicability of TSCA cleanup standards. Alternatives to compliance with the standards listed below are possible under Subpart D. New releases may be subject to the standards identified in Subpart G. Use Part 201 soil direct contact criteria in the table below where TSCA standards are not applicable.

TABLE D-4

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

NOTES

MDEQ Criteria Qualifiers (Cont'd.):

Land Use Category	TSCA, Subpart D	Part 201
Residential & Commercial I	1,000 ppb, or 10,000 ppb if capped	4,000 ppb
Industrial & Commercial II	1,000 ppb, or 10,000 ppb if capped	20,000 ppb
Commercial III	1,000 ppb, or 10,000 ppb if capped	62,000 ppb
Commercial IV	1,000 ppb, or 10,000 ppb if capped	32,000 ppb

{W} = Concentrations of trihalomethanes in groundwater must be added together to determine compliance with the State of Michigan Drinking Water Standard of 100 ug/L. Concentrations of trihalomethanes in soil must be added together to determine compliance with the DWPC of 2,000 ug/kg.

{X} = The GSI criterion shown is not protective for surface water that is used as a drinking water source. For groundwater discharges to the Great Lakes and their connecting waters or discharges in close proximity to water supply intake(s) in inland surface waters, the generic GSI criterion is the Surface Water Human Drinking Water Value (HDV) listed in the table below except for those HDV indicted with an asterisk. For HDV with an asterisk, the generic GSI criterion is the lesser of the HDV, the WV and the calculated FCV (see formulas in footnote {G}). Soil protection criteria based on the HDV are listed below except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk are the greater of the 20 X GSI and GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.

Hazardous Substance	Chemical Abstract Service Number	Surface Water Human Drinking Water Values (HDV) (ug/L)	Soil GSI Protection Criteria for HDV (ug/Kg)
Acrylonitrile	107131	0.87	17
Alachlor	15972608	3.5	70
Arsenic	7440382	50	16,000
Atrazine	1912249	4.3	86
Barium	7440393	1,900*	*
Benzene	71432	12	240
Butyl benzyl phthalate	85687	6.9	1,300
Cadmium	7440439	2.5*	*
Carbon tetrachloride	56235	5.6	110
Chloride	16887006	50,000	1.0E+6
Chloroform	67663	77	1,500
Chromium (III)	16065831	120*	*
Cyanazine	21725462	10 {M}	200
3,3'-Dichlorobenzidine	91941	0.3 {M}	500

TABLE D-4

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

NOTES

Hazardous Substance	Chemical Abstract Service Number	Surface Water Human Drinking Water Values (HDV) (ug/L)	Soil GSI Protection Criteria for HDV (ug/Kg)
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 glycol	107211	56,000	1.1E+6
Hexachloroethane	67721	5.3	1,500
Isophorone	78591	310	6,200
Lead	7439921	14*	*
Methyl-tert-butyl ether (MTBE)	1634044	120	2,400
Methylene chloride	75092	47	940
Molybdenum	7439987	120	2,400
Nitrobenzene	98953	4.7	94
Pentachlorophenol	87865	1.8*	*
1,2,4,5-Tetrachlorobenzene	95943	2.8	3,300
1,1,2,2-Tetrachloroethane	79345	3.2	64
Tetrachloroethylene	127184	11	220
Tetrahydrofuran	109999	350	7,000
Thallium	7440280	1.2	910
1,1,2-Trichloroethane	79005	12	240
Trichloroethylene	79016	29	580

{AA} = Filtered groundwater samples must be collected for appropriate comparison to the GCC, since these hazardous substances are likely to be absorbed to particulates rather than dissolved in water.

Appendix E

LNAPL Analytical Data

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

TABLE E-1

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

LNAPL ANALYTICAL DATA

Sample ID:	03-03	70-101	RFI-36-06	RFI-36-15	RFI-36-16	RFI-12-02	RFI-12-09	RFI-16-04	RFI-16-10	RFI-05-11	RFI-05-13
Sample Type:	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	Aqueous	LNAPL	LNAPL	LNAPL
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/L	mg/kg	mg/kg	mg/kg
Date Collected:	02/27/02	02/27/02	12/21/00	12/21/00	12/21/00	05/16/01	06/13/01	05/29/01	07/27/01	02/06/01	02/06/01
Volatiles											
1,1,1-Trichloroethane	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	ND(2.5)	ND(0.13)
1,1,2,2-Tetrachloroethane	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	ND(2.5)	ND(0.13)
1,1,2-Trichloroethane	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	ND(1.0)	24 J	ND(2.5)	ND(0.13)
1,1-Dichloroethane	ND(1.3)	ND(0.13)	0.95	1.0	1.0	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	ND(2.5)	ND(0.13)
1,1-Dichloroethene	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	ND(2.5)	ND(0.13)
1,2,4-Trichlorobenzene	ND(1.3)	ND(0.13)	NS	NS	NS	ND(2.5)	ND(0.13) J	ND(5.0)	ND(25) J	NS	NS
1,2-Dibromo-3-chloropropane (DBCP)	ND(1.3)	ND(0.13)	NS	NS	NS	ND(2.5)	ND(0.13) J	ND(1.0)	ND(25) J	NS	NS
1,2-Dibromoethane (EDB)	ND(1.3)	ND(0.13)	NS	NS	NS	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	NS	NS
1,2-Dichlorobenzene	4.3	ND(0.13)	NS	NS	NS	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	NS	NS
1,2-Dichloroethane	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	ND(2.5)	ND(0.13)
1,2-Dichloropropane	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	ND(2.5)	ND(0.13)
1,3-Dichlorobenzene	ND(1.3)	ND(0.13)	NS	NS	NS	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	NS	NS
1,4-Dichlorobenzene	ND(1.3)	ND(0.13)	NS	NS	NS	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	NS	NS
2-Butanone	ND(6.3)	ND(0.63)	ND(0.63)	ND(3.1)	ND(3.1)	ND(13)	0.094 J	2.4 J	ND(130) J	ND(13)	ND(0.63)
2-Hexanone	ND(6.3)	ND(0.63)	ND(0.63)	1.2	1.1	ND(13)	ND(0.63)	ND(50)	ND(130) J	ND(13)	ND(0.63)
4-Methyl-2-pentanone	ND(6.3)	ND(0.63)	ND(0.63)	ND(0.75)	ND(0.75)	ND(13)	ND(0.63)	ND(50)	ND(130) J	ND(13)	ND(0.63)
Acetone	5.8 J	0.7	ND(0.63)	ND(1.3)	ND(1.3)	ND(13)	1.5	9.3 J	ND(130) J	ND(13)	13
Benzene	0.84 J	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	0.26 J	ND(25) J	ND(2.5)	ND(0.13)
Benzene, isopropyl	19	0.48	NS	NS	NS	2.3 J	0.073 J	0.53 J	150 J	NS	NS
Bromodichloromethane	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	ND(2.5)	ND(0.13)
Bromoform	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	ND(2.5)	ND(0.13)
Bromomethane	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5) J	ND(0.13)	ND(1.0)	ND(25) J	ND(2.5)	ND(0.13)
Carbon disulfide	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	ND(2.5)	ND(0.13)
Carbon tetrachloride	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	ND(2.5)	ND(0.13)
Chlorobenzene	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	1.4	ND(25) J	ND(2.5)	ND(0.13)
Chloroethane	ND(1.3)	ND(0.13)	0.28	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	ND(2.5)	ND(0.13)
Chloroform	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	ND(2.5)	ND(0.13)
Chloromethane	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	ND(2.5)	ND(0.13)
cis-1,2-Dichloroethene	ND(1.3)	ND(0.13)	0.14	ND(0.63)	1.4	ND(2.5)	ND(0.13)	1.1	ND(25) J	ND(2.5)	0.37
cis-1,3-Dichloropropene	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	ND(2.5)	ND(0.13)
Cyclohexane	ND(6.3)	ND(0.63)	NS	NS	NS	2.2 J	ND(0.63)	0.45 J	120 J	NS	NS
Dibromochloromethane	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	ND(2.5)	ND(0.13)

TABLE E-1

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

LNAPL ANALYTICAL DATA

Sample ID:	03-03	70-101	RFI-36-06	RFI-36-15	RFI-36-16	RFI-12-02	RFI-12-09	RFI-16-04	RFI-16-10	RFI-05-11	RFI-05-13
Sample Type:	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	Aqueous	LNAPL	LNAPL	LNAPL
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/L	mg/kg	mg/kg	mg/kg
Date Collected:	02/27/02	02/27/02	12/21/00	12/21/00	12/21/00	05/16/01	06/13/01	05/29/01	07/27/01	02/06/01	02/06/01
Dichlorodifluoromethane (CFC-12)	ND(1.3)	ND(0.13)	NS	NS	NS	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	NS	NS
Ethylbenzene	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	0.16 J	ND(25) J	ND(2.5)	ND(0.13)
Methyl acetate	ND(6.3)	ND(0.63)	NS	NS	NS	ND(13)	ND(0.63)	ND(5.0)	ND(130) J	NS	NS
Methyl Tert Butyl Ether	ND(1.3)	ND(0.13)	NS	NS	NS	ND(2.5)	ND(0.13)	ND(5.0)	ND(25) J	NS	NS
Methylcyclohexane	14	0.65	NS	NS	NS	8.3 J	ND(0.63)	2.7	540 J	NS	NS
Methylene chloride	ND(6.3)	ND(0.63)	ND(0.63)	ND(3.1)	ND(3.1)	0.90 J	ND(0.63)	ND(5.0)	ND(130) J	ND(13)	ND(0.63)
Styrene	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	ND(2.5)	ND(0.13)
Tetrachloroethene	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	ND(2.5)	ND(0.13)
Toluene	ND(1.3)	ND(0.13)	0.72	0.72	1.7	0.33 J	ND(0.13)	0.11 J	ND(25) J	ND(2.5)	0.13
trans-1,2-Dichloroethene	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	ND(2.5)	ND(0.13)
trans-1,3-Dichloropropene	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	ND(2.5)	ND(0.13)
Trichloroethene	ND(1.3)	ND(0.13)	0.65	4.2	ND(0.63)	ND(2.5)	ND(0.13)	5.1	ND(25) J	ND(2.5)	1.1
Trichlorofluoromethane (CFC-11)	ND(1.3)	ND(0.13)	NS	NS	NS	0.48 J	ND(0.13)	ND(1.0)	ND(25) J	NS	NS
Trifluorotrichloroethane (Freon 113)	ND(6.3)	ND(0.63)	NS	NS	NS	ND(13)	ND(0.63)	ND(1.0)	ND(130)	NS	NS
Vinyl chloride	ND(1.3)	ND(0.13)	ND(0.13)	ND(0.63)	ND(0.63)	ND(2.5)	ND(0.13)	ND(1.0)	ND(25) J	ND(2.5)	ND(0.13)
m&p-Xylene	1.2 J	ND(0.25)	ND(0.25)	ND(1.3)	ND(1.3)	ND(5.0)	ND(0.25)	0.17 J	ND(50) J	ND(5.0)	ND(0.25))
o-Xylene	ND(1.3)	0.13	0.24	1.3	1.8	ND(2.5)	0.064 J	0.12 J	ND(25) J	ND(2.5)	0.16
Xylenes (total)	1.2	0.13	0.24	1.3	1.8	ND(5.0)	0.064	0.29	ND(50)	ND(5.0)	0.16
Semivolatiles											
1,2,4-Trichlorobenzene	NS	NS	ND(500)	ND(490)	ND(480)	NS	NS	NS	NS	ND(240)	ND(250)
1,2-Dichlorobenzene	NS	NS	ND(500)	ND(490)	ND(480)	NS	NS	NS	NS	ND(240)	ND(250)
1,3-Dichlorobenzene	NS	NS	ND(500)	ND(490)	ND(480)	NS	NS	NS	NS	ND(240)	ND(250)
1,4-Dichlorobenzene	NS	NS	ND(500)	ND(490)	ND(480)	NS	NS	NS	NS	ND(240)	ND(250)
2,4,5-Trichlorophenol	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50) J	ND(240)	ND(250)
2,4,6-Trichlorophenol	NS	NS	ND(500)	ND(490)	ND(480)	NS	NS	ND(4.0)	ND(50) J	ND(240)	ND(250)
2,4-Dichlorophenol	NS	NS	ND(500)	ND(490)	ND(480)	NS	NS	ND(10)	ND(50)	ND(240)	ND(250)
2,4-Dimethylphenol	NS	NS	ND(500)	ND(490)	ND(480)	NS	NS	ND(5.0)	ND(50)	ND(240)	ND(250)
2,4-Dinitrophenol	ND(2,000)	ND(2,000)	ND(2,000)	ND(2,000)	ND(1,900)	ND(2,000) J	ND(2,000)	ND(20)	ND(200)	ND(980)	ND(990)
2,4-Dinitrotoluene	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
2,6-Dinitrotoluene	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
2-Chloronaphthalene	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50) J	ND(240)	ND(250)
2-Chlorophenol	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
2-Methyl naphthalene	71 J	ND(490)	ND(500)	ND(490)	ND(480)	170 J	ND(500)	0.97 J	10,000 DJ	ND(240)	ND(250)

TABLE E-1

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

LNAPL ANALYTICAL DATA

Sample ID:	03-03	70-101	RFI-36-06	RFI-36-15	RFI-36-16	RFI-12-02	RFI-12-09	RFI-16-04	RFI-16-10	RFI-05-11	RFI-05-13
Sample Type:	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	Aqueous	LNAPL	LNAPL	LNAPL
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/L	mg/kg	mg/kg	mg/kg
Date Collected:	02/27/02	02/27/02	12/21/00	12/21/00	12/21/00	05/16/01	06/13/01	05/29/01	07/27/01	02/06/01	02/06/01
2-Methylphenol	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
2-Nitroaniline	ND(2,000)	ND(2,000)	ND(2,000)	ND(2,000)	ND(1,900)	ND(2,000)	ND(2,000)	ND(20)	ND(200) J	ND(980)	ND(990)
2-Nitrophenol	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
3&4-Methylphenol	ND(990)	ND(980)	ND(1,000)	ND(1,000)	ND(960)	ND(1,000)	ND(1,000)	ND(10)	ND(99) J	ND(960)	ND(990)
3,3-Dichlorobenzidine	ND(2,000)	ND(2,000)	ND(2,000)	ND(2,000)	ND(1,900)	ND(2,000) J	ND(2,000) J	ND(20)	ND(200)	ND(980)	ND(990)
3-Nitroaniline	ND(2,000)	ND(2,000)	ND(2,000)	ND(2,000)	ND(1,900)	ND(2,000)	ND(2,000)	ND(20)	ND(200)	ND(980)	ND(990)
4,6-Dinitro-2-methylphenol	ND(2,000)	ND(2,000)	ND(2,000)	ND(2,000)	ND(1,900)	ND(2,000)	ND(2,000)	ND(20)	ND(200) J	ND(980)	ND(990)
4-Bromophenyl phenyl ether	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50) J	ND(240)	ND(250)
4-Chloro-3-methylphenol	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
4-Chloroaniline	ND(2,000)	ND(2,000)	ND(2,000)	ND(2,000)	ND(1,900)	ND(2,000)	ND(2,000)	ND(20)	ND(200)	ND(980)	ND(990)
4-Chlorophenyl phenyl ether	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
4-Nitroaniline	ND(2,000)	ND(2,000)	ND(2,000)	ND(2,000)	ND(1,900)	ND(2,000)	ND(2,000)	ND(20)	ND(200)	ND(980)	ND(990)
4-Nitrophenol	ND(2,000)	ND(2,000)	ND(2,000)	ND(2,000)	ND(1,900)	ND(2,000)	ND(2,000) J	ND(20)	ND(200)	ND(980)	ND(990)
Acenaphthene	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
Acenaphthylene	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
Acetophenone	ND(490)	ND(490)	NS	NS	NS	ND(500)	ND(500) J	ND(5.0)	ND(50)	NS	NS
Anthracene	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50) J	ND(240)	ND(250)
Atrazine	ND(490)	ND(490)	NS	NS	NS	ND(500)	ND(500)	ND(5.0)	ND(50) J	NS	NS
Benzaldehyde	ND(490)	ND(490)	NS	NS	NS	ND(500)	ND(500) J	ND(5.0)	ND(50)	NS	NS
Benzo(a)anthracene	82 J	ND(490)	ND(500)	ND(490)	ND(480)	ND(500) J	ND(500)	1.3	17 J	ND(240)	ND(250)
Benzo(a)pyrene	92 J	ND(490)	ND(500)	ND(490)	ND(480)	ND(500) J	ND(500)	ND(2.0)	6.6 J	ND(240)	ND(250)
Benzo(b)fluoranthene	94 J	ND(490)	ND(500)	ND(490)	ND(480)	ND(500) J	ND(500)	ND(2.0)	ND(50)	ND(240)	ND(250)
Benzo(g,h,i)perylene	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500) J	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
Benzo(k)fluoranthene	83 J	ND(490)	ND(500)	ND(490)	ND(480)	ND(500) J	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
Biphenyl	ND(490)	ND(490)	NS	NS	NS	ND(500)	ND(500)	ND(5.0)	ND(50) J	NS	NS
bis(2-Chloroethoxy)methane	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
bis(2-Chloroethyl)ether	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(1.0)	ND(50)	ND(240)	ND(250)
bis(2-Chloroisopropyl)ether	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
bis(2-Ethylhexyl)phthalate	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500) J	ND(500)	8.4	14 J	ND(240)	ND(250)
Butyl benzylphthalate	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500) J	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
Caprolactam	ND(490)	ND(490)	NS	NS	NS	ND(500)	ND(500)	ND(10)	ND(50)	NS	NS
Carbazole	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(10)	ND(50) J	ND(240)	ND(250)
Chrysene	120 J	ND(490)	ND(500)	ND(490)	ND(480)	ND(500) J	ND(500)	1.6	34 J	ND(240)	ND(250)

TABLE E-1

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

LNAPL ANALYTICAL DATA

Sample ID:	03-03	70-101	RFI-36-06	RFI-36-15	RFI-36-16	RFI-12-02	RFI-12-09	RFI-16-04	RFI-16-10	RFI-05-11	RFI-05-13
Sample Type:	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	Aqueous	LNAPL	LNAPL	LNAPL
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/L	mg/kg	mg/kg	mg/kg
Date Collected:	02/27/02	02/27/02	12/21/00	12/21/00	12/21/00	05/16/01	06/13/01	05/29/01	07/27/01	02/06/01	02/06/01
Di-n-butylphthalate	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50) J	ND(240)	ND(250)
Di-n-octyl phthalate	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500) J	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
Dibenzo(a,h)anthracene	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500) J	ND(500)	ND(2.0)	ND(50)	ND(240)	ND(250)
Dibenzofuran	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(4.0)	ND(50)	ND(240)	ND(250)
Diethyl phthalate	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
Dimethyl phthalate	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50) J	ND(240)	ND(250)
Fluoranthene	110 J	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	1.1 J	120 J	ND(240)	ND(250)
Fluorene	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
Hexachlorobenzene	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500) J	ND(1.0)	ND(50) J	ND(240)	ND(250)
Hexachlorobutadiene	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
Hexachlorocyclopentadiene	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500) J	ND(5.0)	ND(50) J	ND(240)	ND(250)
Hexachloroethane	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
Indeno(1,2,3-cd)pyrene	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500) J	ND(500)	ND(2.0)	ND(50)	ND(240)	ND(250)
Isophorone	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
Methylphenols, Total	ND(990)	ND(980)	ND(1,000)	ND(1,000)	ND(1,000)	ND(1,000)	ND(1,000)	ND(10)	ND(99)	ND(1,000)	ND(1,000)
N-Nitrosodi-n-propylamine	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
N-Nitrosodiphenylamine	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50) J	ND(240)	ND(250)
Naphthalene	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	3,600 DJ	ND(240)	ND(250)
Nitrobenzene	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(2.0)	ND(50)	ND(240)	ND(250)
Pentachlorophenol	ND(2,000)	ND(2,000)	ND(2,000)	ND(2,000)	ND(1,900)	ND(2,000)	ND(2,000)	ND(20)	ND(200) J	ND(980)	ND(990)
Phenanthrene	100 J	65 J	ND(500)	ND(490)	ND(480)	280 J	ND(500)	ND(5.0)	2,300 DJ	ND(240)	ND(250)
Phenol	ND(490)	ND(490)	ND(500)	ND(490)	ND(480)	ND(500)	ND(500)	ND(5.0)	ND(50)	ND(240)	ND(250)
Pyrene	130 J	ND(490)	ND(500)	ND(490)	ND(480)	180 J	ND(500)	2.4	290 J	ND(240)	ND(250)
Inorganics											
Antimony	NS	NS	NS	NS	NS	0.047 J	0.28 J	3.4 J	ND(0.61)	NS	NS
Arsenic	NS	NS	NS	NS	NS	3.6 J	0.56 J	12	8.5	NS	NS
Barium	NS	NS	NS	NS	NS	2.5 J	7.9 J	300 J	1.1 J	NS	NS
Beryllium	NS	NS	NS	NS	NS	ND(0.32)	ND(0.36)	0.98	ND(0.30)	NS	NS
Cadmium	NS	NS	NS	NS	NS	0.024 J	0.12 J	1.3	0.026 J	NS	NS
Chromium	NS	NS	NS	NS	NS	3.6 J	30 J	26	3.9 J	NS	NS
Cobalt	NS	NS	NS	NS	NS	ND(0.65)	0.22 J	11	ND(0.61)	NS	NS
Copper	NS	NS	NS	NS	NS	28 J	39 J	110	2.3	NS	NS
Cyanide (total)	NS	NS	NS	NS	NS	ND(0.20)	ND(0.20)	ND(5.0)	ND(0.20)	NS	NS

TABLE E-1

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

LNAPL ANALYTICAL DATA

Sample ID:	03-03	70-101	RFI-36-06	RFI-36-15	RFI-36-16	RFI-12-02	RFI-12-09	RFI-16-04	RFI-16-10	RFI-05-11	RFI-05-13
Sample Type:	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	Aqueous	LNAPL	LNAPL	LNAPL
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/L	mg/kg	mg/kg	mg/kg
Date Collected:	02/27/02	02/27/02	12/21/00	12/21/00	12/21/00	05/16/01	06/13/01	05/29/01	07/27/01	02/06/01	02/06/01
Lead	NS	NS	NS	NS	NS	4.7	27 J	100 J	22 J	NS	NS
Manganese	NS	NS	NS	NS	NS	0.40 J	32 J	610 J	0.29 J	NS	NS
Mercury	NS	NS	NS	NS	NS	ND(0.020)	ND(0.020)	ND(0.20)	ND(0.020)	NS	NS
Nickel	NS	NS	NS	NS	NS	5.9 J	4.0 J	44	0.33 J	NS	NS
Selenium	NS	NS	NS	NS	NS	0.28 J	0.18 J	2.9	0.24 J	NS	NS
Silver	NS	NS	NS	NS	NS	0.18 J	ND(0.71)	0.73 J	ND(0.61)	NS	NS
Thallium	NS	NS	NS	NS	NS	ND(0.65)	ND(0.71) J	0.49	ND(0.61)	NS	NS
Vanadium	NS	NS	NS	NS	NS	7.4 J	6.2 J	41	0.53	NS	NS
Zinc	NS	NS	NS	NS	NS	8.0 J	13 J	240	4.7 J	NS	NS
PCBs											
Aroclor-1016	NS	NS	NS	NS	NS	ND(5.0)	ND(0.99)	ND(0.10)	ND(0.98)	ND(3.0)	ND(2.9)
Aroclor-1221	NS	NS	NS	NS	NS	ND(5.0)	ND(0.99)	ND(0.10)	ND(0.98)	ND(3.0)	ND(2.9)
Aroclor-1232	NS	NS	NS	NS	NS	ND(5.0)	ND(0.99)	ND(0.10)	ND(0.98)	ND(3.0)	ND(2.9)
Aroclor-1242	NS	NS	NS	NS	NS	ND(5.0)	ND(0.99)	ND(0.10)	ND(0.98)	130	ND(2.9)
Aroclor-1248	NS	NS	NS	NS	NS	ND(5.0)	ND(0.99)	ND(0.10)	ND(0.98)	ND(3.0)	ND(2.9)
Aroclor-1254	NS	NS	NS	NS	NS	ND(5.0)	ND(0.99)	0.36	ND(0.98)	20	ND(2.9)
Aroclor-1260	NS	NS	NS	NS	NS	ND(5.0)	ND(0.99)	ND(0.10)	ND(0.98)	8.7	ND(2.9)
Total PCBs	NS	NS	NS	NS	NS	ND(5.0)	ND(0.99)	0.36	ND(0.98)	160	ND(2.9)
Physical Parameters											
Specific gravity	0.90	0.91	0.89	0.85	0.84	0.93	0.93	NS	0.86	0.90	0.89
Interfacial tension (dynes/cm)	2.8	5.6	12	20	26	12	17	NS	18	15	14
Viscosity (cp)	25.9	45.6	39.0	6.22	6.33	40.9	110	NS	2.67	3.45	4.18
TPH (mg/kg)	NS	NS	480,000	760,000	750,000	NS	NS	NS	NS	470,000	330,000

TABLE E-1

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

LNAPL ANALYTICAL DATA

Sample ID:	RFI-05-14	RFI-83/84-06	RFI-83/84-07	RFI-85-02	TANK 112	Tank 37 North
Sample Type:	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date Collected:	02/06/01	10/16/01	09/20/01	08/21/01	05/18/01	02/27/02
Volatiles						
1,1,1-Trichloroethane	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
1,1,2,2-Tetrachloroethane	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
1,1,2-Trichloroethane	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
1,1-Dichloroethane	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
1,1-Dichloroethene	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
1,2,4-Trichlorobenzene	NS	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
1,2-Dibromo-3-chloropropane (DBCP)	NS	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
1,2-Dibromoethane (EDB)	NS	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
1,2-Dichlorobenzene	NS	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
1,2-Dichloroethane	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13) J	ND(0.13)
1,2-Dichloropropane	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
1,3-Dichlorobenzene	NS	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
1,4-Dichlorobenzene	NS	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
2-Butanone	ND(13)	0.99 J	0.064 J	ND(1.3) J	ND(0.63)	ND(0.63)
2-Hexanone	ND(13)	ND(6.3)	ND(0.63)	ND(1.3)	ND(0.63)	ND(0.63)
4-Methyl-2-pentanone	ND(13)	ND(6.3)	ND(0.63)	ND(1.3)	ND(0.63)	ND(0.63)
Acetone	ND(13)	1.4 J	0.15 J	ND(1.3) J	0.32 J	0.56 J
Benzene	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	0.071 J
Benzene, isopropyl	NS	13	ND(0.13)	0.41	ND(0.13)	ND(0.13)
Bromodichloromethane	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
Bromoform	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
Bromomethane	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13) J	ND(0.13)
Carbon disulfide	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	0.13	ND(0.13)
Carbon tetrachloride	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
Chlorobenzene	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
Chloroethane	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25) J	ND(0.13)	ND(0.13)
Chloroform	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
Chloromethane	ND(2.5)	ND(1.3)	ND(0.13) J	ND(0.25) J	ND(0.13)	ND(0.13)
cis-1,2-Dichloroethene	ND(2.5)	ND(1.3)	0.076 J	ND(0.25)	ND(0.13) J	ND(0.13)
cis-1,3-Dichloropropene	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
Cyclohexane	NS	15	ND(0.63)	ND(1.3) J	ND(0.63) J	ND(0.63)
Dibromochloromethane	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)

TABLE E-1

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

LNAPL ANALYTICAL DATA

Sample ID:	RFI-05-14	RFI-83/84-06	RFI-83/84-07	RFI-85-02	TANK 112	Tank 37 North
Sample Type:	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date Collected:	02/06/01	10/16/01	09/20/01	08/21/01	05/18/01	02/27/02
Dichlorodifluoromethane (CFC-12)	NS	ND(1.3)	ND(0.13) J	ND(0.25)	ND(0.13)	ND(0.13)
Ethylbenzene	ND(2.5)	ND(1.3)	ND(0.13)	0.42	0.016 J	ND(0.13)
Methyl acetate	NS	ND(6.3)	ND(0.63)	ND(1.3) J	ND(0.63)	ND(0.63)
Methyl Tert Butyl Ether	NS	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
Methylcyclohexane	NS	67	ND(0.63)	0.36 J	ND(0.63)	ND(0.63)
Methylene chloride	ND(13)	3.5 J	ND(0.63) J	0.15 J	ND(0.63)	ND(0.63)
Styrene	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
Tetrachloroethene	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
Toluene	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
trans-1,2-Dichloroethene	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
trans-1,3-Dichloropropene	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
Trichloroethene	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
Trichlorofluoromethane (CFC-11)	NS	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
Trifluorotrichloroethane (Freon 113)	NS	ND(6.3)	3.6 J	ND(1.3)	ND(0.63)	ND(0.63)
Vinyl chloride	ND(2.5)	ND(1.3)	ND(0.13)	ND(0.25)	ND(0.13)	ND(0.13)
m&p-Xylene	ND(5.0)	0.69 J	0.063 J	0.43 J	0.026 J	ND(0.25)
o-Xylene	ND(2.5)	ND(1.3)	ND(0.13)	0.58	0.023 J	ND(0.13)
Xylenes (total)	ND(5.0)	0.69	0.063	1	0.049	ND(0.25)
Semivolatiles						
1,2,4-Trichlorobenzene	ND(240)	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	ND(240)	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	ND(240)	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	ND(240)	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
2,4,6-Trichlorophenol	ND(240)	ND(490)	NS	ND(50)	NS	NS
2,4-Dichlorophenol	ND(240)	ND(490)	NS	ND(50)	NS	NS
2,4-Dimethylphenol	ND(240)	ND(490)	NS	ND(50)	NS	NS
2,4-Dinitrophenol	ND(970)	ND(1,900) J	ND(200)	ND(200)	ND(2,000) J	ND(2,000)
2,4-Dinitrotoluene	ND(240)	ND(490)	ND(49)	ND(50)	180 J	ND(500)
2,6-Dinitrotoluene	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
2-Chloronaphthalene	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
2-Chlorophenol	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
2-Methyl naphthalene	ND(240)	74 J	ND(49)	60 J	ND(500)	ND(500)

TABLE E-1

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

LNAPL ANALYTICAL DATA

Sample ID: / Sample Type: / Reporting Units: / Date Collected:	RFI-05-14 LNAPL mg/kg 02/06/01	RFI-83/84-06 LNAPL mg/kg 10/16/01	RFI-83/84-07 LNAPL mg/kg 09/20/01	RFI-85-02 LNAPL mg/kg 08/21/01	TANK 112 LNAPL mg/kg 05/18/01	Tank 37 North LNAPL mg/kg 02/27/02
2-Methylphenol	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
2-Nitroaniline	ND(970)	ND(1,900)	ND(200)	ND(200)	ND(2,000)	ND(2,000)
2-Nitrophenol	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
3&4-Methylphenol	ND(970)	ND(970) J	ND(99) J	ND(100) J	ND(990)	ND(990)
3,3-Dichlorobenzidine	ND(970)	ND(1,900)	ND(200) J	ND(200)	ND(2,000)	ND(2,000)
3-Nitroaniline	ND(970)	ND(1,900)	ND(200)	ND(200)	ND(2,000)	ND(2,000)
4,6-Dinitro-2-methylphenol	ND(970)	ND(1,900)	ND(200)	ND(200)	ND(2,000)	ND(2,000)
4-Bromophenyl phenyl ether	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
4-Chloro-3-methylphenol	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
4-Chloroaniline	ND(970)	ND(1,900)	ND(200)	ND(200)	ND(2,000)	ND(2,000)
4-Chlorophenyl phenyl ether	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
4-Nitroaniline	ND(970)	ND(1,900)	ND(200)	ND(200)	ND(2,000)	ND(2,000)
4-Nitrophenol	ND(970)	ND(1,900)	ND(200)	ND(200)	ND(2,000)	ND(2,000)
Acenaphthene	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
Acenaphthylene	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
Acetophenone	NS	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
Anthracene	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
Atrazine	NS	ND(490) J	ND(49)	ND(50)	ND(500)	ND(500)
Benzaldehyde	NS	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
Benzo(a)anthracene	ND(240)	ND(490)	ND(49) J	ND(50)	ND(500)	ND(500)
Benzo(a)pyrene	ND(240)	ND(490)	ND(49) J	ND(50) J	ND(500) J	ND(500)
Benzo(b)fluoranthene	ND(240)	ND(490)	ND(49) J	ND(50) J	ND(500) J	ND(500)
Benzo(g,h,i)perylene	ND(240)	ND(490)	ND(49) J	ND(50) J	ND(500) J	ND(500)
Benzo(k)fluoranthene	ND(240)	ND(490)	ND(49) J	ND(50) J	ND(500) J	ND(500)
Biphenyl	NS	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
bis(2-Chloroethoxy)methane	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
bis(2-Chloroethyl)ether	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
bis(2-Chloroisopropyl)ether	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
bis(2-Ethylhexyl)phthalate	ND(240)	ND(490)	ND(49) J	ND(50)	ND(500)	ND(500)
Butyl benzylphthalate	ND(240)	ND(490)	78 J	ND(50)	ND(500)	ND(500)
Caprolactam	NS	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
Carbazole	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
Chrysene	ND(240)	ND(490)	ND(49) J	13 J	ND(500)	ND(500)

TABLE E-1

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

LNAPL ANALYTICAL DATA

Sample ID:	RFI-05-14	RFI-83/84-06	RFI-83/84-07	RFI-85-02	TANK 112	Tank 37 North
Sample Type:	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date Collected:	02/06/01	10/16/01	09/20/01	08/21/01	05/18/01	02/27/02
Di-n-butylphthalate	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
Di-n-octyl phthalate	ND(240)	ND(490)	ND(49) J	ND(50) J	ND(500) J	ND(500)
Dibenzo(a,h)anthracene	ND(240)	ND(490)	ND(49) J	ND(50) J	ND(500) J	ND(500)
Dibenzofuran	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
Diethyl phthalate	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
Dimethyl phthalate	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
Fluoranthene	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
Fluorene	ND(240)	ND(490)	ND(49)	20 J	ND(500)	ND(500)
Hexachlorobenzene	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
Hexachlorobutadiene	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
Hexachlorocyclopentadiene	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
Hexachloroethane	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
Indeno(1,2,3-cd)pyrene	ND(240)	ND(490)	ND(49) J	ND(50) J	ND(500) J	ND(500)
Isophorone	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
Methylphenols, Total	ND(1,000)	ND(970)	ND(99)	ND(100)	NS	ND(990)
N-Nitrosodi-n-propylamine	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
N-Nitrosodiphenylamine	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
Naphthalene	ND(240)	63 J	ND(49)	16 J	ND(500)	ND(500)
Nitrobenzene	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
Pentachlorophenol	ND(970)	ND(1,900)	ND(200)	ND(200)	ND(2,000)	ND(2,000)
Phenanthrene	ND(240)	110 J	ND(49)	47 J	ND(500)	ND(500)
Phenol	ND(240)	ND(490)	ND(49)	ND(50)	ND(500)	ND(500)
Pyrene	ND(240)	ND(490)	ND(49) J	11 J	ND(500)	ND(500)
Inorganics						
Antimony	NS	0.33 J	ND(0.70)	ND(0.75)	0.60 R	NS
Arsenic	NS	1.7 J	1.8	1.4 J	ND(0.30)	NS
Barium	NS	1.7 J	0.98 J	0.51 J	0.26 J	NS
Beryllium	NS	ND(0.38)	ND(0.35)	ND(0.38)	ND(0.30)	NS
Cadmium	NS	0.021 J	0.32	ND(0.19)	0.016 J	NS
Chromium	NS	3.9 J	2.9	4.3 J	1.1 J	NS
Cobalt	NS	ND(0.75)	ND(0.70)	ND(0.75)	ND(0.60)	NS
Copper	NS	4.9 J	260	ND(1.4) J	1.1 J	NS
Cyanide (total)	NS	ND(0.20)	0.046 J	ND(0.20)	ND(0.20)	NS

TABLE E-1

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

LNAPL ANALYTICAL DATA

Sample ID:	RFI-05-14	RFI-83/84-06	RFI-83/84-07	RFI-85-02	TANK 112	Tank 37 North
Sample Type:	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL
Reporting Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date Collected:	02/06/01	10/16/01	09/20/01	08/21/01	05/18/01	02/27/02
Lead	NS	2.3 J	79	0.57 J	340	NS
Manganese	NS	1.7 J	0.56 J	0.43 J	3.3 J	NS
Mercury	NS	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.019)	NS
Nickel	NS	0.61 J	4.5	ND(0.75)	1.0 J	NS
Selenium	NS	0.24 J	ND(0.35)	0.28 J	ND(0.30) J	NS
Silver	NS	0.14 J	0.12 J	0.33 J	0.18 J	NS
Thallium	NS	0.13 J	ND(0.70)	ND(0.75)	ND(0.60)	NS
Vanadium	NS	1.3 J	1	0.92 J	0.13 J	NS
Zinc	NS	4.2	8.2	ND(3.1)	10 J	NS
PCBs						
Aroclor-1016	ND(3.0)	ND(0.98)	ND(0.74)	ND(1.0)	ND(5.0)	NS
Aroclor-1221	ND(3.0)	ND(0.98)	ND(0.74)	ND(1.0)	ND(5.0)	NS
Aroclor-1232	ND(3.0)	ND(0.98)	ND(0.74)	ND(1.0)	ND(5.0)	NS
Aroclor-1242	4.6	ND(0.98)	ND(0.74)	ND(1.0)	ND(5.0)	NS
Aroclor-1248	ND(3.0)	1.6 J	ND(0.74)	ND(1.0)	ND(5.0)	NS
Aroclor-1254	ND(3.0)	4.5	ND(0.74)	0.82 J	ND(5.0)	NS
Aroclor-1260	ND(3.0)	ND(0.98)	ND(0.74)	0.27 J	ND(5.0)	NS
Total PCBs	4.6	6.1	ND(0.74)	1.1	ND(5.0)	NS
Physical Parameters						
Specific gravity	0.89	0.89	0.88	0.86	0.95	0.88
Interfacial tension (dynes/cm)	14	27	14	9.6	26	4.4
Viscosity (cp)	3.97	37.6	42.5	85.6	2.2	34.4
TPH (mg/kg)	370,000	NS	NS	NS	NS	NS

TABLE E-1

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

LNAPL ANALYTICAL DATA

General Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc., for analysis of Project Analyte List (PAL) volatile organic compounds, PAL semivolatile organic compounds, polychlorinated biphenyls (PCBs), and PAL inorganics.
2. Duplicate results are presented in brackets.
3. Total Xylenes reported as the sum of m&p-Xylene and o-Xylene.
4. Total PCBs reported as the sum of PCB aroclors.

Data Qualifiers:

J = The compound/constituent was positively identified; however, the associated numerical value is an estimated concentration only.
ND = Not detected. The value in parentheses represents the associated detection limit.
NS = Sample was not analyzed for this constituent.

Appendix F

Comparison of Total and Dissolved TAL Data

BBL®
BLASLAND, BOUCK & LEE, INC.
engineers & scientists