

TABLES



TABLES



Table 1
Summary of Investigation Activities
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

Investigation Activity	Dates	Number of Borings Installed (Drilled via Geoprobe® Direct Push)	Number of Trenches Excavated
Supplemental Former Brake Fluid UST - 2015	December 7, 2015	3	Not Applicable
Supplemental North Parking Area - 2015 to 2016	December 7-8, 2015 March 29, 2016	5	Not Applicable
Supplemental Former Coal Gasification Plant - 2015 to 2016	March 29, 2016	4	Not Applicable
Former Fill Areas A and B - 2015 to 2016	December 4 - 22, 2015 February 2 - 23, 2016 March 22, 2016	Not Applicable	12*

General Notes:

* Trenches were completed both onsite and on the adjacent Canadian Pacific property.

Table 2
Analytical Method Summary
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota



Analysis	Method	Soil			
		Bottleware	Volume	Preservative	Hold Time
VOCs	USEPA 8260	VOAs	2-40 mL	10 mL MeOH	21 days
SVOCs	USEPA 8270	amber glass	4 oz.	None	14 days
PCBs	USEPA 8082	amber glass	4 oz.	None	14 days
DRO	USEPA Modified 8015/WI DRO	amber glass	2 oz. (25-30 g soil)	None	10 days
GRO	USEPA Modified 8015/WI GRO	VOAs	1-40 mL	10 mL MeOH	14 days
TAL/Priority Pollutant Metals	USEPA 6010	amber glass	4 oz.	None	6 months
Moisture Content	ASTM D2216	clear glass	2 oz.	None	7 days
TCLP VOCs	USEPA 1311/8260	clear glass	1-16 oz.	None	14 Days
TCLP SVOCs	USEPA 1311/8270	clear glass	1-16 oz.	None	14 Days
TCLP RCRA Metals	USEPA 1311/6010	clear glass	1-16 oz.	None	14 Days

Acronyms and Abbreviations:

- ASTM = American Society for Testing and Materials
- DRO = diesel-range organics
- GRO = gasoline-range organics
- HCl = hydrochloric acid
- HNO3 = nitric acid
- L = liter
- mL = milliliter
- MeOH = methanol
- NaOH = sodium hydroxide
- oz = ounces
- PCBs = polychlorinated biphenyls
- SVOC = semivolatile organic compound
- TAL = Target Analyte List
- USEPA = United States Environmental Protection Agency
- TCLP = toxicity characteristic leaching procedure
- VOAs = volatile organic analysis (container)
- VOC = volatile organic compound
- WI = Wisconsin

Table 3
Summary of Constituents Exceeding Applicable Screening
Values in Soil
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota



Chlorinated VOCs	Non-Chlorinated VOCs	SVOCs/PAHs	Metals	PCBs	GRO/DRO
None	1,1,2-Trichloroethane	2-Methylnaphthalene	Antimony	None	GRO
	1,2,4-trimethylbenzene	Benzo(a)pyrene	Arsenic		DRO
	1,3,5-trimethylbenzene	Naphthalene	Barium		
	Benzene	BaP Equivalents	Cadmium		
	Ethylbenzene		Chromium		
	Isopropylbenzene		Copper		
	Naphthalene		Iron		
	n-Butylbenzene		Lead		
	n-Propylbenzene		Manganese		
	sec-Butylbenzene		Mercury		
	Toluene		Selenium		
	Total Xylenes		Vanadium		

Acronyms and Abbreviations:

- DRO = diesel-range organics
- GRO = gasoline-range organics
- PAHs = polynuclear aromatic hydrocarbons
- PCBs = polychlorinated biphenyls
- SVOCs = semivolatile organic compounds
- VOCs = volatile organic compounds

Table 4
Supplemental Soil Analytical Results - Detections Only
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

Location ID	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	AMW-21 5-10(20151208)	AMW-21 16-20(20151208)	AMW-21 32-35(20151208)	ASB-0216B 3-5(20151207)	ASB-0933 0-2(20151207)	ASB-0934 3-5(20151207)	ASB-0935 2.5-4.5(20151207)	ASB-1113 2.4(20160329)
1.1.2-Trichloroethane	mg/kg	9	14	0.014	NS	NA	<0.28	NA	<0.33	NA	NA	NA	NA
1.2.4-Trimethylbenzene	mg/kg	8	25	2.745	NS	NA	<0.28	NA	<0.33	NA	NA	NA	NA
1.3.5-Trimethylbenzene	mg/kg	3	10	2.733	NS	NA	<0.28	NA	<0.33	NA	NA	NA	NA
Acetone	mg/kg	340	1000	8.398	NS	NA	<1.1	NA	<1.3	NA	NA	NA	NA
Benzene	mg/kg	6	10	0.017	NS	NA	<0.28	NA	<0.33	NA	NA	NA	NA
cis-1,2-Dichloroethene	mg/kg	8	22	0.208	NS	NA	<0.28	NA	<0.33	NA	NA	NA	NA
Cyclohexane	mg/kg	NS	NS	NS	NS	NA	<0.56	NA	<0.66	NA	NA	NA	NA
Cymene (p-Isopropyltoluene)	mg/kg	NS	NS	NS	NS	NA	<0.28	NA	<0.33	NA	NA	NA	NA
Dichloromethane	mg/kg	97	158	0.017	NS	NA	<0.28	NA	<0.33	NA	NA	NA	NA
Ethylbenzene	mg/kg	200	200	1.048	NS	NA	<0.28	NA	<0.33	NA	NA	NA	NA
Isopropylbenzene	mg/kg	30	87	9.463	NS	NA	<0.28	NA	<0.33	NA	NA	NA	NA
Methyl Acetate	mg/kg	NS	NS	NS	NS	NA	0.1 J	NA	<0.66	NA	NA	NA	NA
Methylcyclohexane	mg/kg	NS	NS	NS	NS	NA	<0.56	NA	<0.66	NA	NA	NA	NA
Naphthalene	mg/kg	10	28	4.468	NS	NA	0.13 J	NA	<0.33	NA	NA	NA	NA
N-Butylbenzene	mg/kg	30	92	NS	NS	NA	<0.28	NA	<0.33	NA	NA	NA	NA
N-Propylbenzene	mg/kg	30	93	NS	NS	NA	<0.28	NA	<0.33	NA	NA	NA	NA
sec-Butylbenzene	mg/kg	25	70	NS	NS	NA	<0.28	NA	<0.33	NA	NA	NA	NA
tert-Butylbenzene	mg/kg	30	90	NS	NS	NA	<0.28	NA	<0.33	NA	NA	NA	NA
Toluene	mg/kg	107	305	2.459	NS	NA	<0.28	NA	<0.33	NA	NA	NA	NA
m,p-Xylene	mg/kg	NS	NS	NS	NS	NA	<0.28	NA	<0.33	NA	NA	NA	NA
o-Xylene	mg/kg	NS	NS	NS	NS	NA	<0.28	NA	<0.33	NA	NA	NA	NA
Total Xylenes*	mg/kg	45*	130*	5.415	NS	NA	ND	NA	ND	NA	NA	NA	NA
SVOCS													
1,1-Biphenyl	mg/kg	NS	NS	62.161	NS	<0.37	0.28 J	<0.35	NA	<0.39	<0.34	<0.35	0.029 J
2-Methylnaphthalene	mg/kg	100	369	NS	NS	<0.37	1.8 J	0.031 J	NA	0.0069 J	<0.34	<0.35	0.12 J
Acenaphthene	mg/kg	1200	5260	81.242	NS	0.0052 J	0.81 J	0.02 J	NA	0.015 J	<0.34	<0.35	0.19 J
Acenaphthylene	mg/kg	NS	NS	NS	NS	<0.37	<4.7	0.027 J	NA	0.0057 J	<0.34	<0.35	0.084 J
Acetophenone	mg/kg	NS	NS	NS	NS	<0.37	<4.7	<0.35	NA	<0.39	<0.34	<0.35	<0.9
Anthracene	mg/kg	7880	45400	1312.816	NS	0.0067 J	0.75 J	0.043 J	NA	0.025 J	<0.34	<0.35	0.31 J
Benzaldehyde	mg/kg	NS	NS	NS	NS	<0.37	<4.7	<0.35	NA	0.014 J	<0.34	<0.35	<0.9
Benzol(a)anthracene	mg/kg	NS	NS	NS	NS	0.039 J	1.7 J	0.14 J	NA	0.11 J	<0.34	<0.35	1.2
Benzol(a)pyrene	mg/kg	2	3	1.410	NS	0.039 J	1.5 J	0.15 J	NA	0.19 J	<0.34	<0.35	1.1
Benzol(b)fluoranthene	mg/kg	NS	NS	NS	NS	0.066 J	2.3 J	0.18 J	NA	0.081 J	<0.34	<0.35	1.4
Benzol(g,h,i)perylene	mg/kg	NS	NS	NS	NS	0.032 J	0.63 J	0.1 J	NA	0.081 J	<0.34	<0.35	0.66 J
Benzol(k)fluoranthene	mg/kg	NS	NS	NS	NS	0.023 J	0.81 J	0.067 J	NA	0.069 J	<0.34	<0.35	0.59 J
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	28.716	NS	0.071 J	<4.7	0.35	NA	0.074 J	0.074 J	0.058 J	<0.9
Butyl benzyl phthalate	mg/kg	580	3700	28.820	NS	<0.37	<4.7	<0.35	NA	0.029 J	<0.34	<0.35	<0.9
Carbazole	mg/kg	700	1310	NS	NS	<0.37	0.44 J	<0.35	NA	<0.39	<0.34	<0.35	0.17 J
Chrysene	mg/kg	NS	NS	NS	NS	0.053 J	2.2 J	0.17 J	NA	0.17 J	<0.34	<0.35	1.4
Dibenz(a,h)anthracene	mg/kg	NS	NS	NS	NS	0.0072 J	0.18 J	0.023 J	NA	0.0091 J	<0.34	<0.35	0.22 J
Dibenzofuran	mg/kg	104	810	NS	NS	<0.37	0.49 J	0.012 J	NA	0.0091 J	<0.34	<0.35	0.11 J
Diethyl phthalate	mg/kg	NS	NS	37.177	NS	0.019 J	<4.7	<0.35	NA	<0.39	<0.34	<0.35	<0.9
Di-n-butyl phthalate	mg/kg	2440	16300	33.796	NS	<0.37	<4.7	<0.35	NA	0.04 J	0.017 J	<0.35	<0.9
Fluoranthene	mg/kg	1080	6800	666	NS	0.082 J	3.8 J	0.28 J	NA	0.3 J	<0.34	0.0061 J	2.6
Fluorene	mg/kg	850	4120	110.524	NS	0.0042 J	0.99 J	0.019 J	NA	0.012 J	<0.34	<0.35	0.15 J
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NS	NS	0.026 J	0.55 J	0.081 J	NA	0.072 J	<0.34	<0.35	0.55 J
Isophorone	mg/kg	NS	NS	0.461	NS	<0.37	<4.7	<0.35	NA	<0.39	<0.34	<0.35	<0.9
Naphthalene	mg/kg	10	28	4.468	NS	<0.37	0.37 J	0.033 J	NA	0.0074 J	<0.34	<0.35	0.13 J
Phenanthrene	mg/kg	NS	NS	NS	NS	0.041 J	3.8 J	0.18 J	NA	0.14 J	<0.34	<0.35	1.5
Pyrene	mg/kg	890	5800	435.120	NS	0.065 J	3.8 J	0.26 J	NA	0.24 J	<0.34	0.0051 J	2.1
Benzol(a)pyrene (BaP) Equivalents	mg/kg	2	3	NS	NS	0.0590	2.1591	0.2114	NA	0.1522	ND	ND	1.61156
Total Metals													
Aluminum	mg/kg	30000	100000	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	mg/kg	12	100	5.412	NS	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/kg	9	20	5.82	NS	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	1100	18000	1684	NS	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	mg/kg	55	230	2.720	NS	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/kg	25	200	8.808	NS	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Chromium**	mg/kg	87/44000**	650/100000**	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA

Notes and Abbreviations on Page 25.

Table 4
 Supplemental Soil Analytical Results - Detections Only
 Ford Motor Company - Twin Cities Assembly Plant
 966 South Mississippi River Boulevard
 St. Paul, Minnesota

Location ID	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	AMW-21 AMW-21_5-10(20151208) 12/8/2015 5-10	AMW-21 AMW-21_16-20(20151208) 12/8/2015 16-20	AMW-21 AMW-21_32-35(20151208) 12/8/2015 32-35	ASB-0216B ASB-0216B_3-5(20151207) 12/7/2015 3-5	ASB-0933 ASB-0933_0-2(20151207) 12/7/2015 0-2	ASB-0934 ASB-0934_3.5-5(20151207) 12/7/2015 3.5-5	ASB-0935 ASB-0935_2.5-4.5(20151207) 12/7/2015 2.5-4.5	ASB-1113 ASB-1113_2.4(20160329) 3/29/2016 2.4
Sample ID													
Parent Sample													
Depth Interval													
Cobalt	mg/kg	600	2600	27.06	NS	NA	NA	NA	NA	NA	NA	NA	NA
Copper	mg/kg	100	9000	702	NS	NA	NA	NA	NA	NA	NA	NA	NA
Iron	mg/kg	9000	75000	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	300	700	2700	NS	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/kg	3600	8100	130.2	NS	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/kg	0.5	1.5	3.291	NS	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	mg/kg	560	2500	176.2	NS	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	160	1300	2.64	NS	NA	NA	NA	NA	NA	NA	NA	NA
Silver	mg/kg	160	1300	7.86	NS	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/kg	3	21	0.889	NS	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/kg	30	250	4.000	NS	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	8700	75000	3004	NS	NA	NA	NA	NA	NA	NA	NA	NA
PCBs													
Aroclor 1254	mg/kg	1.2	8	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
TPH													
Diesel Range Organics	mg/kg	100***	100***	NS	NS	NA	120 B	NA	NA	14 B	< 8.9	< 9.4	NA
TCLP Metals													
Arsenic	mg/l	NS	NS	NS	5	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/l	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/l	NS	NS	NS	1	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/l	NS	NS	NS	5	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/l	NS	NS	NS	0.2	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/l	NS	NS	NS	1	NA	NA	NA	NA	NA	NA	NA	NA
Silver	mg/l	NS	NS	NS	5	NA	NA	NA	NA	NA	NA	NA	NA
TCLP VOCs													
2-Butanone (MEK)	mg/l	NS	NS	NS	200	NA	NA	NA	NA	NA	NA	NA	NA
TCLP SVOCs													
2-Methylphenol	mg/l	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
3-Methylphenol, 4-Methylphenol	mg/l	NS	NS	NS	200	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/l	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA

Notes and Abbreviations on Page 25.

Table 4
Supplemental Soil Analytical Results - Detections Only
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

Location ID Sample ID Sample Date Parent Sample Depth Interval	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	ASB-1113 ASB-1113_6-8(20160329) 3/29/2016 6-8	ASB-1113 ASB-1113_28-30(20160329) 3/29/2016 28-30	ASB-1115 ASB-1115_2-4(20160329) 3/29/2016 2-4	ASB-1115 ASB-1115_11-13(20160329) 3/29/2016 11-13	TRENCH-01_30 TRENCH-01_30_2-3(20151208) 12/8/2015 2-3	TRENCH-01_30 TRENCH-01_30_3-4(20151208) 12/8/2015 3-4	TRENCH-01-30 TRENCH-01-30_1-2 (20151209) 12/9/2015 1-2
VOCS												
1,1,2-Trichloroethane	mg/kg	9	14	0.014	NS	NA	NA	NA	NA	<0.3	<0.34	<0.46
1,2,4-Trimethylbenzene	mg/kg	8	25	2.745	NS	NA	NA	NA	NA	<0.3	<0.34	<0.46
1,3,5-Trimethylbenzene	mg/kg	3	10	2.733	NS	NA	NA	NA	NA	<0.3	<0.34	<0.46
Acetone	mg/kg	340	1000	8.398	NS	NA	NA	NA	NA	<1.2	<1.4	<0.46
Benzene	mg/kg	6	10	0.017	NS	NA	NA	NA	NA	<0.3	<0.34	<0.46
cis-1,2-Dichloroethene	mg/kg	8	22	0.208	NS	NA	NA	NA	NA	<0.3	<0.34	<0.46
Cyclohexane	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	<0.6	<0.69	<0.91
Cymene (p-Isopropyltoluene)	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	<0.3	<0.34	<0.46
Dichloromethane	mg/kg	97	158	0.017	NS	NA	NA	NA	NA	<0.3	<0.34	<0.46
Ethylbenzene	mg/kg	200	200	1.048	NS	NA	NA	NA	NA	<0.3	<0.34	<0.46
Isopropylbenzene	mg/kg	30	87	9.463	NS	NA	NA	NA	NA	<0.3	<0.34	<0.46
Methyl Acetate	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	0.12 J	<0.69	0.2 J
Methylcyclohexane	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	<0.6	<0.69	<0.91
Naphthalene	mg/kg	10	28	4.468	NS	NA	NA	NA	NA	<0.3	<0.34	<0.46
N-Butylbenzene	mg/kg	10	28	4.468	NS	NA	NA	NA	NA	<0.3	<0.34	<0.46
N-Propylbenzene	mg/kg	30	92	NS	NS	NA	NA	NA	NA	<0.3	<0.34	<0.46
sec-Butylbenzene	mg/kg	30	93	NS	NS	NA	NA	NA	NA	<0.3	<0.34	<0.46
tert-Butylbenzene	mg/kg	25	70	NS	NS	NA	NA	NA	NA	<0.3	<0.34	<0.46
Toluene	mg/kg	107	305	2.459	NS	NA	NA	NA	NA	<0.3	<0.34	<0.46
m,p-Xylene	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	<0.3	<0.34	<0.46
o-Xylene	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	<0.3	<0.34	<0.46
Total Xylenes*	mg/kg	45*	130*	5.415	NS	NA	NA	NA	NA	ND	ND	ND
SVOCS												
1,1-Biphenyl	mg/kg	NS	NS	62.161	NS	<4.2	0.018 J	<1.4	<1.5	<0.4	<0.42	<0.91
2-Methylnaphthalene	mg/kg	100	369	NS	NS	0.17 J	0.097 J	0.014 J	<1.5	<0.4	<0.42	0.26 J
Acenaphthene	mg/kg	1200	5260	81.242	NS	0.22 J	0.06 J	0.047 J	<1.5	0.021 J	<0.42	<0.91
Acenaphthylene	mg/kg	NS	NS	NS	NS	<4.2	0.12 J	<1.4	<1.5	<0.4	<0.42	<0.91
Acetophenone	mg/kg	NS	NS	NS	NS	<4.2	<0.35	<1.4	<1.5	<0.4	<0.42	<0.91
Anthracene	mg/kg	7880	45400	1312.816	NS	0.37 J	0.18 J	0.13 J	<1.5	0.062 J	<0.42	<0.91
Benzaldehyde	mg/kg	NS	NS	NS	NS	<4.2	<0.35	<1.4	<1.5	<0.4	<0.42	<0.91
Benz(a)anthracene	mg/kg	NS	NS	NS	NS	2.1 J	0.28 J	0.87 J	0.079 J	0.073 J	<0.42	0.13 J
Benz(a)pyrene	mg/kg	2	3	1.410	NS	2 J	0.22 J	0.53 J	0.069 J	0.06 J	<0.42	<0.91
Benz(b)fluoranthene	mg/kg	NS	NS	NS	NS	3 J	0.25 J	0.91 J	0.081 J	0.081 J	<0.42	<0.91
Benz(g,h,i)perylene	mg/kg	NS	NS	NS	NS	1.1 J	0.13 J	0.28 J	0.048 J	0.03 J	<0.42	<0.91
Benz(k)fluoranthene	mg/kg	NS	NS	NS	NS	1.2 J	0.14 J	0.38 J	0.05 J	0.044 J	<0.42	<0.91
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	28.716	NS	<4.2	0.051 J	<1.4	<1.5	0.026 J	<0.42	<0.91
Butyl Benzyl phthalate	mg/kg	580	3700	28.820	NS	<4.2	<0.35	0.079 J	<1.5	<0.4	<0.42	<0.91
Carbazole	mg/kg	700	1310	NS	NS	<4.2	0.079 J	0.18 J	<1.5	<0.4	<0.42	<0.91
Chrysene	mg/kg	NS	NS	NS	NS	2.4 J	0.24 J	1 J	0.083 J	0.074 J	<0.42	0.16 J
Dibenz(a,h)anthracene	mg/kg	NS	NS	NS	NS	0.33 J	0.037 J	0.089 J	<1.5	<0.4	<0.42	<0.91
Dibenzofuran	mg/kg	104	810	NS	NS	<4.2	0.075 J	<1.4	<1.5	0.015 J	<0.42	<0.91
Diethyl phthalate	mg/kg	NS	NS	37.177	NS	<4.2	<0.35	<1.4	<1.5	<0.4	<0.42	<0.91
Di-n-butyl phthalate	mg/kg	2440	16300	33.796	NS	<4.2	<0.35	<1.4	<1.5	<0.4	<0.42	<0.91
Fluoranthene	mg/kg	1080	6800	666	NS	3.6 J	0.54 J	1.7 J	<1.5	0.18 J	0.0045 J	<0.91
Fluorene	mg/kg	850	4120	110.524	NS	0.13 J	0.15 J	0.055 J	<1.5	0.03 J	<0.42	<0.91
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NS	NS	1 J	0.11 J	0.27 J	0.04 J	0.03 J	<0.42	<0.91
Isophorone	mg/kg	NS	NS	0.461	NS	<4.2	<0.35	<1.4	<1.5	<0.4	<0.42	<0.91
Naphthalene	mg/kg	10	28	4.468	NS	0.056 J	0.049 J	0.018 J	<1.5	<0.4	<0.42	0.26 J
Phenanthrene	mg/kg	NS	NS	NS	NS	1.3 J	0.56 J	0.82 J	0.077 J	0.23 J	<0.42	0.23 J
Pyrene	mg/kg	890	5800	435.120	NS	2.9 J	0.41 J	1.4 J	0.13 J	0.14 J	0.0052 J	0.19 J
Benz(a)pyrene (Bap) Equivalents	mg/kg	2	3	NS	NS	2.9393	0.32118	0.832986	0.09483	0.0835	ND	0.0146
Total Metals												
Aluminum	mg/kg	30000	100000	NS	NS	NA	NA	NA	NA	NA	NA	4900
Antimony	mg/kg	12	100	5.412	NS	NA	NA	NA	NA	NA	NA	340
Arsenic	mg/kg	9	20	5.82	NS	NA	NA	NA	NA	NA	NA	6.9
Barium	mg/kg	1100	18000	1684	NS	NA	NA	NA	NA	73	2000	7200
Beryllium	mg/kg	55	230	2.720	NS	NA	NA	NA	NA	NA	NA	0.45 J
Cadmium	mg/kg	25	200	8.808	NS	NA	NA	NA	NA	0.12 J	NA	0.15 J
Calcium	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	9100
Chromium**	mg/kg	87/44000**	660/100000**	NS	NS	NA	NA	NA	NA	10	13	32

Notes and Abbreviations on Page 25.

Table 4
Supplemental Soil Analytical Results - Detections Only
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

Location ID Sample ID Sample Date Parent Sample Depth Interval	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	ASB-1113 ASB-1113_6-8(20160329) 3/29/2016 6-8	ASB-1113 ASB-1113_28-30(20160329) 3/29/2016 28-30	ASB-1115 ASB-1115_2-4(20160329) 3/29/2016 2-4	ASB-1115 ASB-1115_11-13(20160329) 3/29/2016 11-13	TRENCH-01_30 TRENCH-01_30_2-3(20151208) 12/8/2015 2-3	TRENCH-01_30 TRENCH-01_30_3-4(20151208) 12/8/2015 3-4	TRENCH-01-30 TRENCH-01-30_1-2(20151209) 12/9/2015 1-2
Cobalt	mg/kg	600	2600	27.06	NS	NA	NA	NA	NA	NA	NA	6.6
Copper	mg/kg	100	9000	702	NS	NA	NA	NA	NA	NA	NA	18
Iron	mg/kg	9000	75000	NS	NS	NA	NA	NA	NA	NA	NA	17000
Lead	mg/kg	300	700	2700	NS	NA	NA	NA	NA	6.6	12	130
Magnesium	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	2100
Manganese	mg/kg	3600	8100	130.2	NS	NA	NA	NA	NA	NA	NA	350
Mercury	mg/kg	0.5	1.5	3.291	NS	NA	NA	NA	NA	0.021 J	< 0.11	0.053 J
Nickel	mg/kg	560	2500	176.2	NS	NA	NA	NA	NA	NA	NA	17
Potassium	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	730
Selenium	mg/kg	160	1300	2.64	NS	NA	NA	NA	NA	< 0.56	< 0.59	4.2
Silver	mg/kg	160	1300	7.86	NS	NA	NA	NA	NA	0.16 J	0.21 J	0.30 J
Sodium	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	140 J
Thallium	mg/kg	3	21	0.889	NS	NA	NA	NA	NA	NA	NA	< 1.3
Vanadium	mg/kg	30	250	4.000	NS	NA	NA	NA	NA	NA	NA	21
Zinc	mg/kg	8700	75000	3004	NS	NA	NA	NA	NA	NA	NA	2200
PCBs												
Aroclor 1254	mg/kg	1.2	8	NS	NS	NA	NA	NA	NA	< 0.04	< 0.041	NA
TPH												
Diesel Range Organics	mg/kg	100***	100***	NS	NS	NA	NA	NA	NA	NA	NA	NA
TCLP Metals												
Arsenic	mg/l	NS	NS	NS	5	NA	NA	NA	NA	0.037 J	< 0.50	NA
Barium	mg/l	NS	NS	NS	100	NA	NA	NA	NA	1.4 J	1.3 J	NA
Cadmium	mg/l	NS	NS	NS	1	NA	NA	NA	NA	0.00079 J	< 0.10	NA
Lead	mg/l	NS	NS	NS	5	NA	NA	NA	NA	0.011 J	< 0.50	NA
Mercury	mg/l	NS	NS	NS	0.2	NA	NA	NA	NA	< 0.0020	< 0.0020	NA
Selenium	mg/l	NS	NS	NS	1	NA	NA	NA	NA	0.0069 J	0.0055 J	NA
Silver	mg/l	NS	NS	NS	5	NA	NA	NA	NA	< 0.50	< 0.50	NA
TCLP VOCs												
2-Butanone (MEK)	mg/l	NS	NS	NS	200	NA	NA	NA	NA	< 0.25	< 0.25	NA
TCLP SVOCs												
2-Methylphenol	mg/l	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA
3-Methylphenol, 4-Methylphenol	mg/l	NS	NS	NS	200	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/l	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA

Notes and Abbreviations on Page 25.

Location ID Sample ID Sample Date Parent Sample Depth Interval	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	TRENCH-01-90 12/9/2015	TRENCH-01-DW 12/9/2015	TRENCH-01-DW 2 (20151209) 12/9/2015	TRENCH-02_05 12/10/2015	TRENCH-02_05_10-11 (20151209) 12/9/2015	TRENCH-02_05_13-14 (20151209) 12/9/2015
1,1,2-Trichloroethane	mg/kg	9	14	0.014	NS	< 0.28	NA	NA	< 0.33	< 0.44	< 0.32
1,2,4-Trimethylbenzene	mg/kg	8	25	2.745	NS	< 0.28	NA	NA	0.14 J	0.029 J	< 0.32
1,3,5-Trimethylbenzene	mg/kg	3	10	2.733	NS	< 0.28	NA	NA	0.067 J	< 0.44	< 0.32
Acetone	mg/kg	340	1000	8.398	NS	< 1.1	NA	NA	< 1.3	< 1.8	< 1.3
Benzene	mg/kg	6	10	0.017	NS	< 0.28	NA	NA	< 0.33	< 0.44	< 0.32
cis-1,2-Dichloroethene	mg/kg	8	22	0.208	NS	< 0.28	NA	NA	< 0.33	< 0.44	< 0.32
Cyclohexane	mg/kg	NS	NS	NS	NS	< 0.57	NA	NA	0.099 J	0.067 J	< 0.63
Cymene (p-Isopropyltoluene)	mg/kg	NS	NS	NS	NS	< 0.28	NA	NA	< 0.33	< 0.44	< 0.32
Dichloromethane	mg/kg	97	158	0.017	NS	< 0.28	NA	NA	< 0.33	< 0.44	< 0.32
Ethylbenzene	mg/kg	200	200	1.048	NS	< 0.28	NA	NA	< 0.33	< 0.44	< 0.32
Isopropylbenzene	mg/kg	30	87	9.463	NS	< 0.28	NA	NA	0.33	0.23 J	< 0.32
Methyl Acetate	mg/kg	NS	NS	NS	NS	< 0.57	NA	NA	< 0.65	0.32 J	< 0.63
Methylcyclohexane	mg/kg	NS	NS	NS	NS	< 0.57	NA	NA	1.1	0.47 J	< 0.63
Naphthalene	mg/kg	10	28	4.468	NS	< 0.28	NA	NA	0.44	0.73	< 0.32
N-Butylbenzene	mg/kg	30	92	NS	NS	< 0.28	NA	NA	1.6	0.23 J	< 0.32
N-Propylbenzene	mg/kg	30	93	NS	NS	< 0.28	NA	NA	0.79	0.47	< 0.32
sec-Butylbenzene	mg/kg	25	70	NS	NS	< 0.28	NA	NA	1	0.49	< 0.32
tert-Butylbenzene	mg/kg	30	90	NS	NS	< 0.28	NA	NA	0.13 J	0.095 J	< 0.32
Toluene	mg/kg	107	305	2.459	NS	< 0.28	NA	NA	< 0.33	< 0.44	< 0.32
m,p-Xylene	mg/kg	NS	NS	NS	NS	< 0.28	NA	NA	< 0.33	< 0.44	< 0.32
o-Xylene	mg/kg	NS	NS	NS	NS	< 0.28	NA	NA	< 0.33	< 0.44	< 0.32
Total Xylenes*	mg/kg	45*	130*	5.415	NS	ND	NA	NA	ND	ND	ND
SVOCs											
1,1-Biphenyl	mg/kg	NS	NS	62.161	NS	< 0.42	NA	NA	< 0.83	< 0.52	< 0.43
2-Methylnaphthalene	mg/kg	100	369	NS	NS	< 0.42	NA	NA	0.28 J	0.013 J	< 0.43
Acenaphthene	mg/kg	1200	5260	81.242	NS	< 0.42	NA	NA	< 0.83	< 0.52	< 0.43
Acenaphthylene	mg/kg	NS	NS	NS	NS	< 0.42	NA	NA	< 0.83	< 0.52	< 0.43
Acenaphthylene	mg/kg	NS	NS	NS	NS	< 0.42	NA	NA	< 0.83	< 0.52	< 0.43
Acenaphthylene	mg/kg	NS	NS	NS	NS	< 0.42	NA	NA	< 0.83	< 0.52	< 0.43
Anthracene	mg/kg	7880	45400	1312.816	NS	< 0.42	NA	NA	< 0.83	< 0.52	< 0.43
Benzaldehyde	mg/kg	NS	NS	NS	NS	< 0.42	NA	NA	< 0.83	0.053 J	< 0.43
Benzo(a)anthracene	mg/kg	NS	NS	NS	NS	< 0.42	NA	NA	0.017 J	< 0.52	< 0.43
Benzo(a)pyrene	mg/kg	2	3	1.410	NS	< 0.42	NA	NA	0.013 J	< 0.52	< 0.43
Benzo(b)fluoranthene	mg/kg	NS	NS	NS	NS	< 0.42	NA	NA	0.02 J	0.0059 J	< 0.43
Benzo(b)fluoranthene	mg/kg	NS	NS	NS	NS	< 0.42	NA	NA	0.0085 J	< 0.52	< 0.43
Benzo(g,h,i)perylene	mg/kg	NS	NS	NS	NS	< 0.42	NA	NA	0.0091 J	< 0.52	< 0.43
Benzo(k)fluoranthene	mg/kg	NS	NS	NS	NS	< 0.42	NA	NA	< 0.83	< 0.52	< 0.43
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	28.716	NS	< 0.42	NA	NA	< 0.83	< 0.52	< 0.43
Butyl benzyl phthalate	mg/kg	580	3700	28.820	NS	< 0.42	NA	NA	< 0.83	< 0.52	< 0.43
Carbazole	mg/kg	700	1310	NS	NS	< 0.42	NA	NA	0.019 J	0.0090 J	< 0.43
Chrysene	mg/kg	NS	NS	NS	NS	< 0.42	NA	NA	< 0.83	< 0.52	< 0.43
Dibenz(a,h)anthracene	mg/kg	NS	NS	NS	NS	< 0.42	NA	NA	< 0.83	< 0.52	< 0.43
Dibenzofuran	mg/kg	104	810	NS	NS	< 0.42	NA	NA	< 0.83	< 0.52	< 0.43
Diethyl phthalate	mg/kg	NS	NS	37.177	NS	< 0.42	NA	NA	< 0.83	< 0.52	< 0.43
Di-n-butyl phthalate	mg/kg	2440	16300	33.796	NS	< 0.42	NA	NA	< 0.83	< 0.52	< 0.43
Fluoranthene	mg/kg	1080	6800	666	NS	< 0.42	NA	NA	< 0.83	0.031 J	< 0.43
Fluorene	mg/kg	850	4120	110.524	NS	< 0.42	NA	NA	< 0.83	< 0.52	< 0.43
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NS	NS	< 0.42	NA	NA	< 0.83	< 0.52	< 0.43
Isophorone	mg/kg	NS	NS	0.461	NS	< 0.42	NA	NA	< 0.83	< 0.52	< 0.43
Naphthalene	mg/kg	10	28	4.468	NS	< 0.42	NA	NA	0.35 J	1.1	< 0.43
Phenanthrene	mg/kg	NS	NS	NS	NS	< 0.42	NA	NA	0.022 J	0.0079 J	< 0.43
Pyrene	mg/kg	890	5800	435.120	NS	< 0.42	NA	NA	0.031 J	0.0080 J	< 0.43
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NS	NS	ND	NA	NA	0.0178	0.0007	ND
Total Metals											
Aluminum	mg/kg	30000	100000	NS	NS	6100	NA	NA	NA	NA	NA
Antimony	mg/kg	12	100	5.412	NS	6.7	NA	NA	< 0.97	< 1.3 J	< 1.2
Arsenic	mg/kg	9	20	5.82	NS	7.6	NA	NA	1.8	3.4	3.6
Barium	mg/kg	1100	18000	1684	NS	41	NA	NA	NA	NA	NA
Beryllium	mg/kg	55	230	2.720	NS	0.44 J	NA	NA	0.37 J	0.65 J	0.62
Cadmium	mg/kg	25	200	8.808	NS	0.12 J	NA	NA	0.084 J	0.27	0.052 J
Calcium	mg/kg	NS	NS	NS	NS	19000	NA	NA	NA	NA	NA
Chromium**	mg/kg	87/44000**	650/100000**	NS	NS	11	NA	NA	14	14	15

Notes and Abbreviations on Page 25.

Location ID Sample ID Sample Date Parent Sample Depth Interval	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	TRENCH-01-90 12/9/2015 4-5	TRENCH-01-DW 12/9/2015 NA	TRENCH-01-DW 12/9/2015 NA	TRENCH-01-DW 12/9/2015 NA	TRENCH-02_05 12/10/2015 9-10	TRENCH-02_05 10-11 (20151209) 12/9/2015 10-11	TRENCH-02_05 13-14 (20151209) 12/9/2015 13-14
Cobalt	mg/kg	600	2600	27.06	NS	10	NA	NA	NA	NA	NA	NA
Copper	mg/kg	100	9000	702	NS	8.5	NA	NA	NA	16	15	14
Iron	mg/kg	9000	75000	NS	NS	11000	NA	NA	NA	NA	NA	NA
Lead	mg/kg	300	700	2700	NS	5.4	NA	NA	NA	5.9	7.1 J	7.9
Magnesium	mg/kg	NS	NS	NS	NS	5300	NA	NA	NA	NA	NA	NA
Manganese	mg/kg	3600	8100	130.2	NS	230	NA	NA	NA	NA	NA	NA
Mercury	mg/kg	0.5	1.5	3.291	NS	< 0.12	NA	NA	NA	0.037 J	< 0.15	< 0.14
Nickel	mg/kg	560	2500	176.2	NS	21	NA	NA	NA	22	18	76
Potassium	mg/kg	NS	NS	NS	NS	2800	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	160	1300	2.64	NS	< 0.59	NA	NA	NA	< 0.48	1.2	< 0.59
Silver	mg/kg	160	1300	7.86	NS	0.16 J	NA	NA	NA	0.17 J	0.11 J	0.20 J
Sodium	mg/kg	NS	NS	NS	NS	170 J	NA	NA	NA	NA	NA	NA
Thallium	mg/kg	3	21	0.889	NS	< 1.2	NA	NA	NA	< 0.97	< 1.3	< 1.2
Vanadium	mg/kg	30	250	4.000	NS	11	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	8700	75000	3004	NS	37	NA	NA	NA	25	36	25
PCBs												
Aroclor 1254	mg/kg	1.2	8	NS	NS	NA	NA	NA	NA	< 0.042	< 0.051	< 0.042
TPH												
Diesel Range Organics	mg/kg	100***	100***	NS	NS	NA	NA	NA	NA	NA	NA	NA
TCLP Metals												
Arsenic	mg/l	NS	NS	NS	5	NA	NA	NA	NA	< 0.50	< 0.50	< 0.50
Barium	mg/l	NS	NS	NS	100	NA	NA	NA	NA	0.63 J	0.31 J	0.44 J
Cadmium	mg/l	NS	NS	NS	1	NA	NA	NA	NA	< 0.10	< 0.10	< 0.10
Lead	mg/l	NS	NS	NS	5	NA	NA	NA	NA	0.0024 J	< 0.50	0.0048 J
Mercury	mg/l	NS	NS	NS	0.2	NA	NA	NA	NA	< 0.0020	< 0.0020	< 0.0020
Selenium	mg/l	NS	NS	NS	1	NA	NA	NA	NA	< 0.25	< 0.25	< 0.25
Silver	mg/l	NS	NS	NS	5	NA	NA	NA	NA	< 0.50	0.0012 J	< 0.50
TCLP VOCs												
2-Butanone (MEK)	mg/l	NS	NS	NS	200	NA	NA	NA	NA	< 0.25	< 0.25	< 0.25
TCLP SVOCs												
2-Methylphenol	mg/l	NS	NS	NS	NS	NA	< 0.0040	< 0.0040	< 0.0040	NA	NA	NA
3-Methylphenol, 4-Methylphenol	mg/l	NS	NS	NS	200	NA	< 0.0040	< 0.0040	< 0.0040	NA	NA	NA
Pentachlorophenol	mg/l	NS	NS	NS	100	NA	< 0.016	< 0.016	< 0.016	NA	NA	NA

Notes and Abbreviations on Page 25.

Location ID Sample ID Sample Date Parent Sample Depth Interval	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	TRENCH-02_50 12/10/2015 6-7	TRENCH-02_125 12/10/2015 2-3	TRENCH-02_125 9-10 (20151210) 12/10/2015 9-10	TRENCH-02-DW 1(20151214) 12/14/2015 NA	TRENCH-02-DW 2(20151214) 12/14/2015 NA	TRENCH-03-20_3-4(20151214) 12/14/2015 3-4
Cobalt	mg/kg	600	2600	27.06	NS	NA	11	8.7	NA	NA	NA
Copper	mg/kg	100	9000	702	NS	13	16	14	NA	NA	NA
Iron	mg/kg	9000	75000	NS	NS	NA	22000	11000	NA	NA	NA
Lead	mg/kg	300	700	2700	NS	6.0	7.2	5.8	NA	NA	92
Magnesium	mg/kg	NS	NS	NS	NS	NA	8600	3900	NA	NA	NA
Manganese	mg/kg	3600	8100	130.2	NS	NA	470	130	NA	NA	NA
Mercury	mg/kg	0.5	1.5	3.291	NS	< 0.17	0.024 J	< 0.11	NA	NA	0.070 J
Nickel	mg/kg	560	2500	176.2	NS	17	28	17	NA	NA	NA
Potassium	mg/kg	NS	NS	NS	NS	NA	940	3000	NA	NA	NA
Selenium	mg/kg	160	1300	2.64	NS	0.74	< 0.39	< 0.48	NA	NA	0.60
Silver	mg/kg	160	1300	7.86	NS	0.25 J	0.24 J	0.12 J	NA	NA	< 0.54
Sodium	mg/kg	NS	NS	NS	NS	NA	72 J	91 J	NA	NA	NA
Thallium	mg/kg	3	21	0.889	NS	< 1.3	< 0.77	< 0.96	NA	NA	NA
Vanadium	mg/kg	30	250	4.000	NS	NA	19	9.5	NA	NA	NA
Zinc	mg/kg	8700	75000	3004	NS	35	36	19	NA	NA	NA
PCBs											
Aroclor 1254	mg/kg	1.2	8	NS	NS	< 0.048	NA	NA	NA	NA	0.11
PH											
Diesel Range Organics	mg/kg	100***	100***	NS	NS	NA	NA	NA	NA	NA	NA
TCLP Metals											
Arsenic	mg/l	NS	NS	NS	5	< 0.50	NA	NA	NA	NA	0.039 J
Barium	mg/l	NS	NS	NS	100	0.35 J	NA	NA	NA	NA	0.67 J
Cadmium	mg/l	NS	NS	NS	1	< 0.10	NA	NA	NA	NA	0.00092 J
Lead	mg/l	NS	NS	NS	5	0.0023 J	NA	NA	NA	NA	0.066 J
Mercury	mg/l	NS	NS	NS	0.2	< 0.0020	NA	NA	NA	NA	< 0.0020
Selenium	mg/l	NS	NS	NS	1	< 0.25	NA	NA	NA	NA	0.0043 J
Silver	mg/l	NS	NS	NS	5	0.0023 J	NA	NA	NA	NA	0.0013 J
TCLP VOCs											
2-Butanone (MEK)	mg/l	NS	NS	NS	200	< 0.25	NA	NA	NA	NA	< 0.25
TCLP SVOCs											
2-Methylphenol	mg/l	NS	NS	NS	NS	NA	NA	NA	< 0.0040	< 0.0040	NA
3-Methylphenol, 4-Methylphenol	mg/l	NS	NS	NS	200	NA	NA	NA	< 0.0040	< 0.0040	NA
Pentachlorophenol	mg/l	NS	NS	NS	100	NA	NA	NA	< 0.016	< 0.016	NA

Notes and Abbreviations on Page 25.

Location ID Sample ID Sample Date Parent Sample Depth Interval	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	TRENCH-03-20 12/14/2015 6-8	TRENCH-03-100 12/14/2015 4-5	TRENCH-03-160 3-4(20151214) 12/14/2015 3-4	TRENCH-03-DW 1(20151214) 12/14/2015 NA	TRENCH-03-DW 2(20151214) 12/14/2015 NA	TRENCH-04_40 4-5(20151221) 12/21/2015 4-5	TRENCH-04_40 8-9(20151221) 12/21/2015 8-9
VOCS												
1,1,2-Trichloroethane	mg/kg	9	14	0.014	NS	< 0.35	< 0.31	< 0.29	NA	NA	< 2.3	< 0.32
1,2,4-Trimethylbenzene	mg/kg	8	25	2.745	NS	0.4	< 0.31	< 0.29	NA	NA	25	< 0.32
1,3,5-Trimethylbenzene	mg/kg	3	10	2.733	NS	0.037 J	< 0.31	< 0.29	NA	NA	3.8	< 0.32
Acetone	mg/kg	340	1000	8.398	NS	< 1.4	< 1.2	< 1.2	NA	NA	2.8 J	0.39 J
Benzene	mg/kg	6	10	0.017	NS	< 0.35	< 0.31	< 0.29	NA	NA	0.083 J	< 0.32
cis-1,2-Dichloroethene	mg/kg	8	22	0.208	NS	< 0.35	< 0.31	< 0.29	NA	NA	< 2.3	< 0.32
Cyclohexane	mg/kg	NS	NS	NS	NS	< 0.7	< 0.62	< 0.58	NA	NA	< 4.6	< 0.64
Cymene (p-Isopropyltoluene)	mg/kg	NS	NS	NS	NS	< 0.35	< 0.31	< 0.29	NA	NA	1.6 J	< 0.32
Dichloromethane	mg/kg	97	158	0.017	NS	< 0.35	< 0.31	< 0.29	NA	NA	6.3	0.3 J
Ethylbenzene	mg/kg	200	200	1.048	NS	0.58	< 0.31	< 0.29	NA	NA	25	< 0.32
Isopropylbenzene	mg/kg	30	87	9.463	NS	< 0.35	< 0.31	< 0.29	NA	NA	0.91 J	< 0.32
Methyl Acetate	mg/kg	NS	NS	NS	NS	< 0.7	< 0.62	< 0.58	NA	NA	< 4.6	< 0.64
Methylcyclohexane	mg/kg	NS	NS	NS	NS	< 0.7	< 0.62	< 0.58	NA	NA	2.7 J	< 0.64
Naphthalene	mg/kg	10	28	4.468	NS	0.22 J	< 0.31	< 0.29	NA	NA	95	< 0.32
N-Butylbenzene	mg/kg	30	92	NS	NS	< 0.1 J	< 0.31	< 0.29	NA	NA	21	< 0.32
N-Propylbenzene	mg/kg	30	93	NS	NS	< 0.35	< 0.31	< 0.29	NA	NA	2.3	< 0.32
sec-Butylbenzene	mg/kg	25	70	NS	NS	< 0.35	< 0.31	< 0.29	NA	NA	1.4 J	< 0.32
tert-Butylbenzene	mg/kg	30	90	NS	NS	< 0.35	< 0.31	< 0.29	NA	NA	< 2.3	< 0.32
Toluene	mg/kg	107	305	2.459	NS	< 0.35	< 0.31	< 0.29	NA	NA	< 2.3	< 0.32
m,p-Xylene	mg/kg	NS	NS	NS	NS	< 0.35	< 0.31	< 0.29	NA	NA	1 J	< 0.32
o-Xylene	mg/kg	NS	NS	NS	NS	0.62	< 0.31	< 0.29	NA	NA	58	< 0.32
Total Xylenes*	mg/kg	45*	130*	5.415	NS	0.62	ND	ND	NA	NA	59	ND
SVOCs												
1,1-Biphenyl	mg/kg	NS	NS	62.161	NS	< 0.41	< 0.8	< 0.42	NA	NA	< 24	< 0.42
2-Methylnaphthalene	mg/kg	100	369	NS	NS	0.091 J	0.012 J	< 0.42	NA	NA	9.9 J	0.093 J
Acenaphthene	mg/kg	1200	5260	81.242	NS	< 0.41	< 0.8	< 0.42	NA	NA	< 24	< 0.42
Acenaphthylene	mg/kg	NS	NS	NS	NS	< 0.41	< 0.8	< 0.42	NA	NA	< 24	< 0.42
Acetophenone	mg/kg	NS	NS	NS	NS	< 0.41	< 0.8	< 0.42	NA	NA	< 24	< 0.42
Anthracene	mg/kg	7880	45400	1312.816	NS	< 0.41	< 0.8	< 0.42	NA	NA	< 24	< 0.42
Benzaldehyde	mg/kg	NS	NS	NS	NS	< 0.41	< 0.8	< 0.42	NA	NA	< 24	< 0.42
Benzo(a)anthracene	mg/kg	NS	NS	NS	NS	< 0.41	< 0.8	< 0.42	NA	NA	< 24	< 0.42
Benzo(a)pyrene	mg/kg	2	3	1.410	NS	< 0.41	< 0.8	< 0.42	NA	NA	< 24	< 0.42
Benzo(b)fluoranthene	mg/kg	NS	NS	NS	NS	< 0.41	< 0.8	< 0.42	NA	NA	< 24	< 0.42
Benzo(g,h,i)perylene	mg/kg	NS	NS	NS	NS	< 0.41	< 0.8	< 0.42	NA	NA	< 24	< 0.42
Benzo(k)fluoranthene	mg/kg	NS	NS	NS	NS	< 0.41	< 0.8	< 0.42	NA	NA	< 24	< 0.42
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	28.716	NS	0.029 J	< 0.8	0.037 J	NA	NA	< 24	< 0.42
Butyl benzyl phthalate	mg/kg	580	3700	28.820	NS	< 0.41	< 0.8	< 0.42	NA	NA	< 24	< 0.42
Carbazole	mg/kg	700	1310	NS	NS	< 0.41	< 0.8	< 0.42	NA	NA	< 24	< 0.42
Chrysene	mg/kg	NS	NS	NS	NS	< 0.41	< 0.8	< 0.42	NA	NA	< 24	< 0.42
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NS	NS	< 0.41	< 0.8	< 0.42	NA	NA	< 24	< 0.42
Dibenzofuran	mg/kg	104	810	NS	NS	< 0.41	< 0.8	< 0.42	NA	NA	< 24	< 0.42
Diethyl phthalate	mg/kg	NS	NS	37.177	NS	< 0.41	< 0.8	< 0.42	NA	NA	< 24	< 0.42
Di-n-butyl phthalate	mg/kg	2440	16300	33.796	NS	< 0.41	< 0.8	< 0.42	NA	NA	< 24	< 0.42
Fluoranthene	mg/kg	1080	6800	666	NS	0.014 J	< 0.8	0.027 J	NA	NA	< 24	< 0.42
Fluorene	mg/kg	850	4120	110.524	NS	< 0.41	< 0.8	< 0.42	NA	NA	< 24	< 0.42
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NS	NS	< 0.41	< 0.8	< 0.42	NA	NA	< 24	< 0.42
Isophorone	mg/kg	NS	NS	NS	NS	< 0.41	< 0.8	< 0.42	NA	NA	< 24	< 0.42
Naphthalene	mg/kg	10	28	4.468	NS	0.088 J	< 0.8	0.012 J	NA	NA	72	0.037 J
Phenanthrene	mg/kg	NS	NS	NS	NS	< 0.41	< 0.8	0.014 J	NA	NA	< 24	< 0.42
Pyrene	mg/kg	890	5800	435.120	NS	0.01 J	< 0.8	0.035 J	NA	NA	< 24	< 0.42
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NS	NS	ND	0.0013	0.022	NA	NA	ND	ND
Total Metals												
Aluminum	mg/kg	30000	100000	NS	NS	NA	NA	5300	NA	NA	NA	NA
Antimony	mg/kg	12	100	5.412	NS	NA	NA	< 1.0 J	NA	NA	< 1.3 J	< 1.2
Arsenic	mg/kg	9	20	5.82	NS	3.4	3.2	4.2	NA	NA	5.1	4.2
Barium	mg/kg	1100	18000	1684	NS	45	16 J	18 J	NA	NA	NA	NA
Beryllium	mg/kg	55	230	2.720	NS	NA	NA	0.34 J	NA	NA	0.71	NA
Cadmium	mg/kg	25	200	8.808	NS	0.065 J	< 0.17	0.027 J	NA	NA	0.21 J	< 0.24
Calcium	mg/kg	NS	NS	NS	NS	NA	NA	40000	NA	NA	NA	NA
Chromium**	mg/kg	87/44000**	650/100000**	NS	NS	18	14	12	NA	NA	20	16

Notes and Abbreviations on Page 25.

Location ID	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	TRENCH-03-20 12/14/2015	TRENCH-03-100 12/14/2015	TRENCH-03-160 12/14/2015	TRENCH-03-DW_1 12/14/2015	TRENCH-03-DW_2 12/14/2015	TRENCH-04_40 12/21/2015	TRENCH-04_40_8-9 12/21/2015
Sample ID Parent Sample Depth Interval												
Cobalt	mg/kg	600	2600	27.06	NS	NA	NA	13	NA	NA	NA	NA
Copper	mg/kg	100	9000	702	NS	NA	NA	18	NA	NA	16	21
Iron	mg/kg	9000	75000	NS	NS	NA	NA	12000	NA	NA	NA	NA
Lead	mg/kg	300	700	2700	NS	4.8	3.3	6.1	NA	NA	12	3.9
Magnesium	mg/kg	NS	NS	NS	NS	NA	NA	15000 J	NA	NA	NA	NA
Manganese	mg/kg	3600	8100	130.2	NS	NA	NA	330	NA	NA	NA	NA
Mercury	mg/kg	0.5	1.5	3.291	NS	< 0.12	< 0.13	< 0.14	NA	NA	< 0.16	< 0.14
Nickel	mg/kg	560	2500	176.2	NS	NA	NA	20	NA	NA	23	37
Potassium	mg/kg	NS	NS	NS	NS	NA	NA	3100 J	NA	NA	NA	NA
Selenium	mg/kg	160	1300	2.64	NS	< 0.45	< 0.42	< 0.52	NA	NA	0.53 J	< 0.60
Silver	mg/kg	160	1300	7.86	NS	< 0.45	< 0.42	< 0.52	NA	NA	< 0.64	< 0.60
Sodium	mg/kg	NS	NS	NS	NS	NA	NA	110 J	NA	NA	NA	NA
Thallium	mg/kg	3	21	0.889	NS	NA	NA	< 1.0	NA	NA	< 1.3	< 1.2
Vanadium	mg/kg	30	250	4.000	NS	NA	NA	7.8	NA	NA	NA	NA
Zinc	mg/kg	8700	75000	3004	NS	NA	NA	20	NA	NA	37	20
PCBs												
Aroclor 1254	mg/kg	1.2	8	NS	NS	< 0.041	< 0.04	NA	NA	NA	< 0.047	< 0.042
PH												
Diesel Range Organics	mg/kg	100***	100***	NS	NS	NA	NA	NA	NA	NA	NA	NA
TCLP Metals												
Arsenic	mg/l	NS	NS	NS	5	< 0.50	< 0.50	NA	NA	NA	0.0037 J	0.0037 J
Barium	mg/l	NS	NS	NS	100	0.033 J	0.18 J	NA	NA	NA	0.50 J	0.39 J
Cadmium	mg/l	NS	NS	NS	1	0.00029 J	0.00068 J	NA	NA	NA	0.00052 J	< 0.10
Lead	mg/l	NS	NS	NS	5	< 0.50	0.0020 J	NA	NA	NA	0.0033 J	< 0.50
Mercury	mg/l	NS	NS	NS	0.2	< 0.0020	0.000097 J	NA	NA	NA	< 0.0020	< 0.0020
Selenium	mg/l	NS	NS	NS	1	< 0.25	< 0.25	NA	NA	NA	< 0.25	< 0.25
Silver	mg/l	NS	NS	NS	5	< 0.50	< 0.50	NA	NA	NA	0.0027 J	< 0.50
TCLP VOCs												
2-Butanone (MEK)	mg/l	NS	NS	NS	200	< 0.25	< 0.25	NA	NA	NA	< 0.25	0.029 J
TCLP SVOCs												
2-Methylphenol	mg/l	NS	NS	NS	NS	NA	NA	NA	< 0.0040	< 0.0040	NA	NA
3-Methylphenol, 4-Methylphenol	mg/l	NS	NS	NS	200	NA	NA	NA	< 0.0040	< 0.0040	NA	NA
Pentachlorophenol	mg/l	NS	NS	NS	100	NA	NA	NA	< 0.016	< 0.016	NA	NA

Notes and Abbreviations on Page 25.

Table 4
Supplemental Soil Analytical Results - Detections Only
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

Location ID	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	TRENCH-04_85 12/21/2015	TRENCH-04_85 3-4(20151221) 12/21/2015	TRENCH-04_WC 1(20151221) 12/21/2015	TRENCH-04_WC 2(20151221) 12/21/2015	TRENCH-05_50 2-3(20151222) 12/22/2015	TRENCH-06_50 2-3(20151222) 12/22/2015	TRENCH-07_010 2/22/2016
1.1.2-Trichloroethane	mg/kg	9	14	0.014	NS	< 0.29	< 0.29	NA	NA	< 0.28	< 0.27	0.13 J
1.2.4-Trimethylbenzene	mg/kg	8	25	2.745	NS	1.6	< 0.29	NA	NA	< 0.28	< 0.27	0.022 J
1.3.5-Trimethylbenzene	mg/kg	3	10	2.733	NS	0.35	< 0.29	NA	NA	< 0.28	< 0.27	< 0.25
Acetone	mg/kg	340	1000	8.398	NS	0.39 J	0.36 J	NA	NA	< 1.1	< 1.1	< 1
Benzene	mg/kg	6	10	0.017	NS	0.012 J	< 0.29	NA	NA	< 0.28	< 0.27	< 0.25
cis-1,2-Dichloroethene	mg/kg	8	22	0.208	NS	< 0.29	< 0.29	NA	NA	< 0.28	< 0.27	< 0.25
Cyclohexane	mg/kg	NS	NS	NS	NS	< 0.58	< 0.59	NA	NA	< 0.56	< 0.54	0.046 J
Cymene (p-Isopropyltoluene)	mg/kg	NS	NS	NS	NS	0.081 J	< 0.29	NA	NA	< 0.28	< 0.27	< 0.25
Dichloromethane	mg/kg	97	158	0.017	NS	0.75	0.28 J	NA	NA	< 0.28	< 0.27	< 0.25
Ethylbenzene	mg/kg	200	200	1.048	NS	0.56	< 0.29	NA	NA	< 0.28	< 0.27	< 0.25
Isopropylbenzene	mg/kg	30	87	9.463	NS	0.036 J	< 0.29	NA	NA	< 0.28	< 0.27	0.11 J
Methyl Acetate	mg/kg	NS	NS	NS	NS	0.21 J	< 0.59	NA	NA	0.076 J	< 0.54	0.17 J
Methylcyclohexane	mg/kg	NS	NS	NS	NS	0.18 J	< 0.29	NA	NA	< 0.56	< 0.54	0.28 J
Naphthalene	mg/kg	10	28	4.468	NS	3.2	< 0.29	NA	NA	< 0.28	< 0.27	0.4
N-Butylbenzene	mg/kg	30	92	NS	NS	1	< 0.29	NA	NA	< 0.28	< 0.27	0.097 J
N-Propylbenzene	mg/kg	30	93	NS	NS	0.083 J	< 0.29	NA	NA	< 0.28	< 0.27	0.19 J
sec-Butylbenzene	mg/kg	25	70	NS	NS	0.076 J	< 0.29	NA	NA	< 0.28	< 0.27	0.15 J
tert-Butylbenzene	mg/kg	30	90	NS	NS	< 0.29	< 0.29	NA	NA	< 0.28	< 0.27	< 0.25
Toluene	mg/kg	107	305	2.459	NS	< 0.29	< 0.29	NA	NA	< 0.28	< 0.27	< 0.25
m,p-Xylene	mg/kg	NS	NS	NS	NS	0.03 J	< 0.29	NA	NA	< 0.28	< 0.27	0.023 J
o-Xylene	mg/kg	NS	NS	NS	NS	1.4	< 0.29	NA	NA	< 0.28	< 0.27	0.023 J
Total Xylenes*	mg/kg	45*	130*	5.415	NS	1.43	ND	NA	NA	ND	ND	0.023
SVOCs												
1,1-Biphenyl	mg/kg	NS	NS	62.161	NS	0.0069 J	< 0.4	NA	NA	< 0.41	< 0.37	< 0.47
2-Methylnaphthalene	mg/kg	100	369	NS	NS	0.049 J	< 0.4	NA	NA	< 0.41	< 0.37	0.043 J
Acenaphthene	mg/kg	1200	5260	81.242	NS	0.037 J	< 0.4	NA	NA	< 0.41	< 0.37	< 0.47
Acenaphthylene	mg/kg	NS	NS	NS	NS	< 0.4	< 0.4	NA	NA	< 0.41	< 0.37	< 0.47
Acetophenone	mg/kg	NS	NS	NS	NS	< 0.4	< 0.4	NA	NA	< 0.41	< 0.37	< 0.47
Anthracene	mg/kg	7880	45400	1312.816	NS	0.1 J	< 0.4	NA	NA	< 0.41	< 0.37	0.013 J
Benzaldehyde	mg/kg	NS	NS	NS	NS	< 0.4	< 0.4	NA	NA	< 0.41	< 0.37	< 0.47
Benzofluoranthene	mg/kg	NS	NS	NS	NS	0.04 J	< 0.4	NA	NA	0.0056 J	< 0.37	0.13 J
Benzofluoranthene	mg/kg	2	3	1.410	NS	0.032 J	< 0.4	NA	NA	0.0043 J	< 0.37	0.17 J
Benzofluoranthene	mg/kg	NS	NS	NS	NS	0.058 J	< 0.4	NA	NA	0.0072 J	< 0.37	0.26 J
Benzofluoranthene	mg/kg	NS	NS	NS	NS	0.015 J	< 0.4	NA	NA	< 0.41	< 0.37	0.15 J
Benzofluoranthene	mg/kg	NS	NS	NS	NS	0.021 J	< 0.4	NA	NA	< 0.41	< 0.37	0.1 J
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	28.716	NS	< 0.4	< 0.4	NA	NA	0.06 J	0.025 J	< 0.47
Butyl benzyl phthalate	mg/kg	580	3700	28.820	NS	< 0.4	< 0.4	NA	NA	< 0.41	< 0.37	< 0.47
Carbazole	mg/kg	700	1310	NS	NS	0.048 J	< 0.4	NA	NA	< 0.41	< 0.37	< 0.47
Chrysene	mg/kg	NS	NS	NS	NS	0.054 J	< 0.4	NA	NA	0.0075 J	< 0.37	0.15 J
Dibenzofluoranthene	mg/kg	NS	NS	NS	NS	< 0.4	< 0.4	NA	NA	< 0.41	< 0.37	0.045 J
Dibenzofuran	mg/kg	104	810	NS	NS	0.037 J	< 0.4	NA	NA	< 0.41	< 0.37	< 0.47
Diethyl phthalate	mg/kg	NS	NS	37.177	NS	< 0.4	< 0.4	NA	NA	< 0.41	< 0.37	< 0.47
Di-n-butyl phthalate	mg/kg	2440	16300	33.796	NS	< 0.4	< 0.4	NA	NA	< 0.41	< 0.37	< 0.47
Fluoranthene	mg/kg	1080	6800	666	NS	0.13 J	< 0.4	NA	NA	0.01 J	0.0045 J	< 0.47
Fluorene	mg/kg	850	4120	110.524	NS	0.077 J	< 0.4	NA	NA	< 0.41	< 0.37	0.0075 J
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NS	NS	0.017 J	< 0.4	NA	NA	< 0.41	< 0.37	0.13 J
Isophorone	mg/kg	NS	NS	0.461	NS	< 0.4	< 0.4	NA	NA	0.016 J	< 0.37	< 0.47
Naphthalene	mg/kg	10	28	4.468	NS	0.19 J	0.0067 J	NA	NA	0.0058 J	< 0.37	0.37 J
Phenanthrene	mg/kg	NS	NS	NS	NS	0.3 J	< 0.4	NA	NA	0.0059 J	0.0075 J	0.054 J
Pyrene	mg/kg	890	5800	435.120	NS	0.1 J	< 0.4	NA	NA	0.01 J	0.0070 J	0.11 J
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NS	NS	0.0461	ND	NA	NA	0.0057	0.25877	0.25877
Total Metals												
Aluminum	mg/kg	30000	100000	NS	NS	8500	6400	NA	NA	7600	5700	NA
Antimony	mg/kg	12	100	5.412	NS	< 1.2	< 1.1	NA	NA	< 1.2 J	< 0.85	< 1.2 J
Arsenic	mg/kg	9	20	5.82	NS	5.4	4.2	NA	NA	5.1	2.1	5.7
Barium	mg/kg	1100	18000	1684	NS	65	29	NA	NA	39	21	NA
Beryllium	mg/kg	55	230	2.720	NS	0.56 J	0.48 J	NA	NA	0.62	0.34 J	0.42 J
Cadmium	mg/kg	25	200	8.808	NS	0.10 J	< 0.22	NA	NA	0.14 J	0.060 J	0.15 J
Calcium	mg/kg	NS	NS	NS	NS	18000	6800	NA	NA	8900 J	19000	NA
Chromium**	mg/kg	87/4000**	650/100000**	NS	NS	15	11	NA	NA	14	12	12

Notes and Abbreviations on Page 25.

Location ID Sample Date Parent Sample Depth Interval	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	TRENCH-04_85 12/21/2015 2-3	TRENCH-04_85 12/21/2015 3-4	TRENCH-04_WC 12/21/2015 NA	TRENCH-04_WC 12/21/2015 NA	TRENCH-05_50 12/22/2015 2-3	TRENCH-06_50 12/22/2015 2-3	TRENCH-07_010 2/2/2016 5-6
Cobalt	mg/kg	600	2600	27.06	NS	11	14	NA	NA	23	8.1	NA
Copper	mg/kg	100	9000	702	NS	14	12	NA	NA	23 J	12	12
Iron	mg/kg	9000	75000	NS	NS	17000	10000	NA	NA	13000	11000	NA
Lead	mg/kg	300	700	2700	NS	9.4	1.9	NA	NA	11 J	2.9	15
Magnesium	mg/kg	NS	NS	NS	NS	5400	2800	NA	NA	5300	5900	NA
Manganese	mg/kg	3600	8100	130.2	NS	670	180	NA	NA	180 J	150	NA
Mercury	mg/kg	0.5	1.5	3.291	NS	0.032 J	0.018 J	NA	NA	< 0.15	< 0.11	< 0.16
Nickel	mg/kg	560	2500	176.2	NS	18	23	NA	NA	34	17	19
Potassium	mg/kg	NS	NS	NS	NS	2800	3100	NA	NA	4100 J	2600	NA
Selenium	mg/kg	160	1300	2.64	NS	< 0.58	< 0.54	NA	NA	< 0.61	< 0.42	< 0.59
Silver	mg/kg	160	1300	7.86	NS	< 0.58	< 0.54	NA	NA	< 0.61	< 0.42	< 0.59
Sodium	mg/kg	NS	NS	NS	NS	< 580	< 540	NA	NA	250 J	140 J	NA
Thallium	mg/kg	3	21	0.889	NS	< 1.2	< 1.1	NA	NA	< 1.2	< 0.85	< 1.2
Vanadium	mg/kg	30	250	4.000	NS	73	4.8 J	NA	NA	8.0	7.9	NA
Zinc	mg/kg	8700	75000	3004	NS	31	18	NA	NA	61 J	19	49
PCBs												
Aroclor 1254	mg/kg	1.2	8	NS	NS	NA	NA	NA	NA	NA	NA	< 0.048
TPH												
Diesel Range Organics	mg/kg	100***	100***	NS	NS	NA	NA	NA	NA	NA	NA	NA
TCLP Metals												
Arsenic	mg/l	NS	NS	NS	5	NA	NA	NA	NA	NA	NA	< 0.50
Barium	mg/l	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	0.86 J
Cadmium	mg/l	NS	NS	NS	1	NA	NA	NA	NA	NA	NA	< 0.10
Lead	mg/l	NS	NS	NS	5	NA	NA	NA	NA	NA	NA	0.019 J
Mercury	mg/l	NS	NS	NS	0.2	NA	NA	NA	NA	NA	NA	< 0.0020
Selenium	mg/l	NS	NS	NS	1	NA	NA	NA	NA	NA	NA	< 0.25
Silver	mg/l	NS	NS	NS	5	NA	NA	NA	NA	NA	NA	< 0.50
TCLP VOCs												
2-Butanone (MEK)	mg/l	NS	NS	NS	200	NA	NA	NA	NA	NA	NA	< 0.25
TCLP SVOCs												
2-Methylphenol	mg/l	NS	NS	NS	NS	NA	NA	< 0.0040	< 0.0040	NA	NA	NA
3-Methylphenol, 4-Methylphenol	mg/l	NS	NS	NS	200	NA	NA	< 0.0040	< 0.0040	NA	NA	NA
Pentachlorophenol	mg/l	NS	NS	NS	100	NA	NA	< 0.016	0.0065 J	NA	NA	NA

Notes and Abbreviations on Page 25.

Table 4
Supplemental Soil Analytical Results - Detections Only
 Ford Motor Company - Twin Cities Assembly Plant
 966 South Mississippi River Boulevard
 St. Paul, Minnesota

Location ID Sample Date Parent Sample Depth Interval	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	TRENCH-07_010 2/22/2016 10-11	TRENCH-07_150 2/22/2016 7-8	TRENCH-07_150 2/22/2016 10-11	TRENCH-07_300 2/22/2016 2-3	TRENCH-07_300_6-7 2/22/2016 6-7	TRENCH-07_330 3/22/2016 3-4
VOCS											
1,1,2-Trichloroethane	mg/kg	9	14	0.014	NS	< 0.38	26	< 0.31	< 0.3	< 0.35	< 0.34
1,2,4-Trimethylbenzene	mg/kg	8	25	2.745	NS	< 0.38	430	0.29 J	< 0.3	< 0.35	< 0.34
1,3,5-Trimethylbenzene	mg/kg	3	10	2.733	NS	< 0.38	160	0.091 J	< 0.3	< 0.35	< 0.34
Acetone	mg/kg	340	1000	8.398	NS	< 1.5	< 100	< 1.2	< 1.2	< 1.4	< 1.4
Benzene	mg/kg	6	10	0.017	NS	< 0.38	< 25	< 0.31	< 0.3	< 0.35	< 0.34
cis-1,2-Dichloroethane	mg/kg	8	22	0.208	NS	< 0.38	< 25	< 0.31	< 0.3	< 0.35	< 0.34
Cyclohexane	mg/kg	NS	NS	NS	NS	< 0.77	4.9 J	< 0.62	< 0.6	< 0.7	< 0.69
Cymene (p-Isopropyltoluene)	mg/kg	NS	NS	NS	NS	< 0.38	25	0.033 J	< 0.3	< 0.35	< 0.34
Dichloromethane	mg/kg	97	158	0.017	NS	< 0.38	< 25	< 0.31	< 0.3	< 0.35	0.54
Ethylbenzene	mg/kg	200	200	1.048	NS	< 0.38	33	< 0.31	< 0.31	< 0.35	< 0.34
Isopropylbenzene	mg/kg	30	87	9.463	NS	0.088 J	19 J	< 0.31	< 0.3	< 0.35	< 0.34
Methyl Acetate	mg/kg	NS	NS	NS	NS	< 0.77	< 50	< 0.62	0.16 J	0.11 J	0.18 J
Methylcyclohexane	mg/kg	NS	NS	NS	NS	< 0.17 J	55	< 0.62	< 0.6	< 0.7	< 0.69
Naphthalene	mg/kg	10	28	4.468	NS	< 0.38	91	0.15 J	< 0.3	< 0.35	2.8
N-Butylbenzene	mg/kg	30	92	NS	NS	0.034 J	34	0.056 J	< 0.3	< 0.35	< 0.34
N-Propylbenzene	mg/kg	30	93	NS	NS	0.13 J	27	< 0.31	< 0.3	< 0.35	< 0.34
sec-Butylbenzene	mg/kg	25	70	NS	NS	0.11 J	25	0.044 J	< 0.3	< 0.35	< 0.34
tert-Butylbenzene	mg/kg	30	90	NS	NS	< 0.38	< 25	< 0.31	< 0.3	< 0.35	< 0.34
Toluene	mg/kg	107	305	2.459	NS	< 0.38	< 25	< 0.31	< 0.3	< 0.35	< 0.34
m,p-Xylene	mg/kg	NS	NS	NS	NS	< 0.38	3.7 J	0.048 J	< 0.31	< 0.35	< 0.34
o-Xylene	mg/kg	NS	NS	NS	NS	< 0.38	130	0.048 J	< 0.3	< 0.35	< 0.34
Total Xylenes*	mg/kg	45*	130*	5.415	NS	ND	133.7	0.048	ND	ND	ND
SVOCs											
1,1-Biphenyl	mg/kg	NS	NS	62.161	NS	< 0.42	< 37	< 0.45	0.0042 J	< 0.39	0.096 J
2-Methylnaphthalene	mg/kg	100	369	NS	NS	0.0084 J	6.7 J	0.0093 J	0.013 J	< 0.39	0.7 J
Acenaphthene	mg/kg	1200	5260	81.242	NS	< 0.42	< 37	< 0.45	< 0.39	< 0.39	0.52 J
Acenaphthylene	mg/kg	NS	NS	NS	NS	< 0.42	< 37	< 0.45	< 0.39	< 0.39	0.013 J
Acetophenone	mg/kg	NS	NS	NS	NS	< 0.42	< 37	0.044 J	< 0.39	< 0.39	< 0.76
Anthracene	mg/kg	7880	45400	1312.816	NS	< 0.42	< 37	< 0.45	0.016 J	< 0.39	0.12 J
Benzaldehyde	mg/kg	NS	NS	NS	NS	< 0.42	< 37	< 0.45	0.034 J	< 0.39	< 0.76
Benzo(a)anthracene	mg/kg	NS	NS	NS	NS	< 0.42	< 37	< 0.45	0.063 J	< 0.39	0.14 J
Benzo(a)pyrene	mg/kg	2	3	1.410	NS	< 0.42	< 37	< 0.45	0.066 J	< 0.39	0.12 J
Benzo(b)fluoranthene	mg/kg	NS	NS	NS	NS	< 0.42	< 37	0.0051 J	0.11 J	< 0.39	0.17 J
Benzo(g,h,i)perylene	mg/kg	NS	NS	NS	NS	< 0.42	< 37	< 0.45	0.038 J	< 0.39	0.09 J
Benzo(k)fluoranthene	mg/kg	NS	NS	NS	NS	< 0.42	< 37	< 0.45	0.031 J	< 0.39	0.073 J
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	28.716	NS	< 0.42	< 37	< 0.45	< 0.39	< 0.39	< 0.76
Butyl benzyl phthalate	mg/kg	580	3700	28.820	NS	< 0.42	< 37	< 0.45	< 0.39	< 0.39	< 0.76
Carbazole	mg/kg	700	1310	NS	NS	< 0.42	< 37	< 0.45	< 0.39	< 0.39	0.2 J
Chrysene	mg/kg	NS	NS	NS	NS	< 0.42	< 37	< 0.45	0.082 J	< 0.39	0.15 J
Dibenz(a,h)anthracene	mg/kg	NS	NS	NS	NS	< 0.42	< 37	< 0.45	< 0.39	< 0.39	0.025 J
Dibenzofuran	mg/kg	104	810	NS	NS	< 0.42	< 37	< 0.45	0.013 J	< 0.39	0.36 J
Diethyl phthalate	mg/kg	NS	NS	37.177	NS	< 0.42	< 37	< 0.45	< 0.39	< 0.39	< 0.76
Dih-n-butyl phthalate	mg/kg	2440	16300	33.796	NS	< 0.42	< 37	< 0.45	0.12 J	< 0.39	< 0.76
Fluoranthene	mg/kg	1080	6800	666	NS	< 0.42	< 37	0.01 J	0.0099 J	< 0.39	0.35 J
Fluorene	mg/kg	850	4120	110.524	NS	< 0.42	< 37	< 0.45	0.0099 J	< 0.39	0.37 J
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NS	NS	< 0.42	< 37	< 0.45	0.036 J	< 0.39	0.077 J
Isophorone	mg/kg	NS	NS	0.461	NS	< 0.42	< 37	< 0.45	< 0.39	< 0.39	< 0.76
Naphthalene	mg/kg	10	28	4.468	NS	0.013 J	69	0.065 J	0.037 J	< 0.39	2.5
Phenanthrene	mg/kg	NS	NS	NS	NS	< 0.42	< 37	0.0071 J	0.082 J	< 0.39	0.7 J
Pyrene	mg/kg	890	5800	435.120	NS	< 0.42	< 37	0.0098 J	0.092 J	< 0.39	0.31 J
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NS	NS	ND	< 0	0.00051	0.09082	ND	0.18154
Total Metals											
Aluminum	mg/kg	30000	100000	NS	NS	NA	NA	NA	NA	NA	6000
Antimony	mg/kg	12	100	5.412	NS	< 1.1	8.1	1.8	110	< 1.1	2.0
Arsenic	mg/kg	9	20	5.82	NS	3.4	4.0	2.7	6.4	8.4	4.7
Barium	mg/kg	1100	18000	1684	NS	NA	NA	NA	NA	NA	79
Beryllium	mg/kg	55	230	2.720	NS	0.55 J	0.33 J	0.52 J	0.39 J	0.41 J	0.41 J
Cadmium	mg/kg	25	200	8.808	NS	0.19 J	0.21	0.068 J	12	0.16 J	0.30
Calcium	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	27000
Chromium**	mg/kg	87/44000**	650/100000**	NS	NS	15	11	19	46	12	14

Notes and Abbreviations on Page 25.

Table 4
Supplemental Soil Analytical Results - Detections Only
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

Location ID Sample ID Sample Date Parent Sample Depth Interval	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	TRENCH-07_010 2/2/2016 10-11	TRENCH-07_150 2/2/2016 7-8	TRENCH-07_150 2/2/2016 10-11	TRENCH-07_300 2/2/2016 2-3	TRENCH-07_300_6-7 2/2/2016 6-7	TRENCH-07_330 3/2/2016 3-4
Cobalt	mg/kg	600	2600	27.06	NS	NA	NA	NA	NA	NA	9.9
Copper	mg/kg	100	9000	702	NS	15	18	12	47	14	13
Iron	mg/kg	9000	75000	NS	NS	NA	NA	NA	NA	NA	13000
Lead	mg/kg	300	700	2700	NS	4.6	16	5.8	310	3.4	21
Magnesium	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	5000
Manganese	mg/kg	3600	8100	130.2	NS	NA	NA	NA	NA	NA	430
Mercury	mg/kg	0.5	1.5	3.291	NS	<0.13	0.046 J	<0.14	0.023 J	0.068 J	0.019 J
Nickel	mg/kg	560	2500	176.2	NS	28	21	29	30	37	20
Potassium	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	1900
Selenium	mg/kg	160	1300	2.64	NS	<0.57	0.36 J	<0.58	2.3	0.49 J	0.64
Silver	mg/kg	160	1300	7.86	NS	<0.57	<0.43	<0.58	0.12 J	<0.54	<0.51
Sodium	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	87 J
Thallium	mg/kg	3	21	0.889	NS	<1.1	<0.86	0.15 J	<1.2	<1.1	<1.0
Vanadium	mg/kg	30	250	4.000	NS	NA	NA	NA	NA	NA	74
Zinc	mg/kg	8700	75000	3004	NS	17	55	23	1000	19	35
PCBs											
Aroclor 1254	mg/kg	1.2	8	NS	NS	<0.042	<0.038	<0.044	<0.04	<0.038	NA
TPH											
Diesel Range Organics	mg/kg	100***	100***	NS	NS	NA	NA	NA	NA	NA	NA
TCLP Metals											
Arsenic	mg/l	NS	NS	NS	5	<0.50	<0.50	<0.50	<0.50	<0.50	NA
Barium	mg/l	NS	NS	NS	100	0.50 J	1.6 J	0.35 J	1.8 J	2.2 J	NA
Cadmium	mg/l	NS	NS	NS	1	0.0086 J	<0.10	<0.10	0.0046 J	0.0017 J	NA
Lead	mg/l	NS	NS	NS	5	<0.50	0.0060 J	0.0036 J	0.021 J	0.0024 J	NA
Mercury	mg/l	NS	NS	NS	0.2	<0.0020	<0.0020	<0.0020	0.00023 J	<0.0020	NA
Selenium	mg/l	NS	NS	NS	1	<0.25	<0.25	<0.25	<0.25	<0.25	NA
Silver	mg/l	NS	NS	NS	5	<0.50	<0.50	<0.50	<0.50	<0.50	NA
TCLP VOCs											
2-Butanone (MEK)	mg/l	NS	NS	NS	200	<0.25	<0.25	<0.25	<0.25	<0.25	NA
TCLP SVOCs											
2-Methylphenol	mg/l	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
3-Methylphenol, 4-Methylphenol	mg/l	NS	NS	NS	200	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/l	NS	NS	NS	100	NA	NA	NA	NA	NA	NA

Notes and Abbreviations on Page 25.

Location ID Sample ID Sample Date Parent Sample Depth Interval	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	TRENCH-07_330 TRENCH-07_330_5-6(20160322) 3/22/2016 5-6	TRENCH-07-WC1 TRENCH-07-WC1(20160203) 2/3/2016 NA	TRENCH-07-WC2 TRENCH-07-WC2(20160203) 2/3/2016 NA	TRENCH-07-WC3 TRENCH-07-WC3(20160223) 2/23/2016 NA	TRENCH-08_00 TRENCH-08_00_8-9(20160208) 2/8/2016 8-9	TRENCH-08_00 TRENCH-08_00_13-14(20160208) 2/8/2016 13-14	TRENCH-08_065 TRENCH-08_065_3-4(20160208) 2/8/2016 3-4
1.1,2-Trichloroethane	mg/kg	9	14	0.014	NS	<0.35	NA	NA	NA	<3.2	<0.51	<0.29
1.2,4-Trimethylbenzene	mg/kg	8	25	2.745	NS	<0.35	NA	NA	NA	<3.2	0.85	0.14 J
1.3,5-Trimethylbenzene	mg/kg	3	10	2.733	NS	<0.35	NA	NA	NA	<3.2	0.29 J	0.064 J
Acetone	mg/kg	340	1000	8.398	NS	<1.4	NA	NA	NA	<13	<2	<1.2
Benzene	mg/kg	6	10	0.017	NS	<0.35	NA	NA	NA	<3.2	<0.51	<0.29
cis-1,2-Dichloroethene	mg/kg	8	22	0.208	NS	<0.35	NA	NA	NA	<3.2	<0.51	<0.29
Cyclohexane	mg/kg	NS	NS	NS	NS	<0.7	NA	NA	NA	<6.3	<1	<0.58
Cymene (p-Isopropyltoluene)	mg/kg	NS	NS	NS	NS	<0.35	NA	NA	NA	0.71 J	0.67	0.033 J
Dichloromethane	mg/kg	97	158	0.017	NS	<0.35	NA	NA	NA	<3.2	<0.29	<0.29
Ethylbenzene	mg/kg	200	200	1.048	NS	<0.35	NA	NA	NA	<3.2	0.1 J	<0.29
Isopropylbenzene	mg/kg	30	87	9.463	NS	<0.35	NA	NA	NA	1.7 J	1.8	0.034 J
Methyl Acetate	mg/kg	NS	NS	NS	NS	0.084 J	NA	NA	NA	<6.3	0.16 J	0.3 J
Methylcyclohexane	mg/kg	NS	NS	NS	NS	<0.7	NA	NA	NA	5.5 J	1.1	0.46 J
Naphthalene	mg/kg	10	28	4.468	NS	<0.35	NA	NA	NA	<3.2	0.83	<0.29
N-Butylbenzene	mg/kg	30	92	NS	NS	<0.35	NA	NA	NA	4	3.6	0.067 J
N-Propylbenzene	mg/kg	30	93	NS	NS	<0.35	NA	NA	NA	2.4 J	2.5	<0.29
sec-Butylbenzene	mg/kg	25	70	NS	NS	<0.35	NA	NA	NA	4.6	3.8	0.028 J
tert-Butylbenzene	mg/kg	30	90	NS	NS	<0.35	NA	NA	NA	0.92 J	0.42 J	<0.29
Toluene	mg/kg	107	305	2.459	NS	<0.35	NA	NA	NA	<3.2	<0.51	<0.29
m,p-Xylene	mg/kg	NS	NS	NS	NS	<0.35	NA	NA	NA	<3.2	<0.51	0.83 J
o-Xylene	mg/kg	NS	NS	NS	NS	<0.35	NA	NA	NA	<3.2	<0.51	0.1 J
Total Xylenes*	mg/kg	45*	130*	5.415	NS	ND	NA	NA	NA	ND	ND	0.183
SVOCs												
1,1-Biphenyl	mg/kg	NS	NS	62.161	NS	<0.4	NA	NA	NA	<8.2	0.02 J	0.015 J
2-Methylnaphthalene	mg/kg	100	369	NS	NS	<0.4	NA	NA	NA	2.7 J	0.9	0.14 J
Acenaphthene	mg/kg	1200	5260	81.242	NS	<0.4	NA	NA	NA	<8.2	<0.4	0.019 J
Acenaphthylene	mg/kg	NS	NS	NS	NS	<0.4	NA	NA	NA	<8.2	<0.4	0.013 J
Acetophenone	mg/kg	NS	NS	NS	NS	<0.4	NA	NA	NA	<8.2	<0.4	0.029 J
Anthracene	mg/kg	7880	45400	1312.816	NS	<0.4	NA	NA	NA	<8.2	<0.4	0.039 J
Benzaldehyde	mg/kg	NS	NS	NS	NS	<0.4	NA	NA	NA	<8.2	<0.4	0.017 J
Benzofuran	mg/kg	NS	NS	NS	NS	<0.4	NA	NA	NA	<8.2	<0.4	0.14 J
Benzof(a)anthracene	mg/kg	2	3	1.410	NS	<0.4	NA	NA	NA	<8.2	<0.4	0.13 J
Benzof(b)fluoranthene	mg/kg	NS	NS	NS	NS	<0.4	NA	NA	NA	<8.2	<0.4	0.17 J
Benzof(g,h,i)perylene	mg/kg	NS	NS	NS	NS	<0.4	NA	NA	NA	<8.2	<0.4	0.096 J
Benzof(k)fluoranthene	mg/kg	NS	NS	NS	NS	<0.4	NA	NA	NA	<8.2	<0.4	0.071 J
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	28.716	NS	<0.4	NA	NA	NA	<8.2	<0.4	<0.39
Butyl benzyl phthalate	mg/kg	580	3700	28.820	NS	<0.4	NA	NA	NA	<8.2	<0.4	<0.39
Carbazole	mg/kg	700	1310	NS	NS	<0.4	NA	NA	NA	<8.2	<0.4	<0.39
Chrysene	mg/kg	NS	NS	NS	NS	<0.4	NA	NA	NA	0.32 J	<0.4	0.15 J
Dibenzof(a,h)anthracene	mg/kg	NS	NS	NS	NS	<0.4	NA	NA	NA	<8.2	<0.4	0.22 J
Dibenzofuran	mg/kg	104	810	NS	NS	<0.4	NA	NA	NA	<8.2	<0.4	0.045 J
Diethyl phthalate	mg/kg	NS	NS	37.177	NS	<0.4	NA	NA	NA	<8.2	<0.4	0.39
Di-n-butyl phthalate	mg/kg	2440	16300	33.796	NS	<0.4	NA	NA	NA	<8.2	<0.4	0.038 J
Fluoranthene	mg/kg	1080	6800	666	NS	<0.4	NA	NA	NA	0.22 J	0.0077 J	0.27 J
Fluorene	mg/kg	850	4120	110.524	NS	<0.4	NA	NA	NA	<8.2	<0.4	0.017 J
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NS	NS	<0.4	NA	NA	NA	<8.2	<0.4	0.076 J
Isophorone	mg/kg	NS	NS	0.461	NS	<0.4	NA	NA	NA	<8.2	<0.4	<0.39
Naphthalene	mg/kg	10	28	4.468	NS	<0.4	NA	NA	NA	1.1 J	0.54	0.074 J
Phenanthrene	mg/kg	NS	NS	NS	NS	<0.4	NA	NA	NA	0.23 J	0.011 J	0.28 J
Pyrene	mg/kg	890	5800	435.120	NS	<0.4	NA	NA	NA	0.28 J	0.0068 J	0.27 J
Benzof(a)pyrene (BaP) Equivalents	mg/kg	2	3	NS	NS	ND	NA	NA	NA	0.0032	ND	0.189556
Total Metals												
Aluminum	mg/kg	30000	100000	NS	NS	8200	NA	NA	NA	NA	NA	6400
Antimony	mg/kg	12	100	5.412	NS	<0.96	NA	NA	NA	670	<1.1	2.5
Arsenic	mg/kg	9	20	5.82	NS	4.5	NA	NA	NA	6.8	8.0	4.3
Barium	mg/kg	1100	18000	1684	NS	46	NA	NA	NA	NA	NA	91
Beryllium	mg/kg	55	230	2.720	NS	0.58	NA	NA	NA	0.39 J	0.56	0.59
Cadmium	mg/kg	25	200	8.808	NS	0.13 J	NA	NA	NA	0.65	0.13 J	0.32
Calcium	mg/kg	NS	NS	NS	NS	3100	NA	NA	NA	NA	NA	8800
Chromium**	mg/kg	87/44000**	650/100000**	NS	NS	20	NA	NA	NA	78	14	12

Notes and Abbreviations on Page 25.

Location ID Sample ID Sample Date Parent Sample Depth Interval	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	TRENCH-07_330 TRENCH-07_330_5-6(20160322) 3/22/2016	TRENCH-07-WC1 TRENCH-07-WC1(20160203) 2/3/2016	TRENCH-07-WC2 TRENCH-07-WC2(20160203) 2/3/2016	TRENCH-07-WC3 TRENCH-07-WC3(20160223) 2/23/2016	TRENCH-08_00 TRENCH-08_00_8-9(20160208) 2/8/2016	TRENCH-08_00 TRENCH-08_00_13-14(20160208) 2/8/2016	TRENCH-08_065 TRENCH-08_065_3-4(20160208) 2/8/2016
Cobalt	mg/kg	600	2600	27.06	NS	12	NA	NA	NA	8-9	13-14	7.1
Copper	mg/kg	100	9000	702	NS	15	NA	NA	NA	21	16	19
Iron	mg/kg	9000	75000	NS	NS	16000	NA	NA	NA	NA	NA	14000
Lead	mg/kg	300	700	2700	NS	2.9	NA	NA	NA	280	5.5	29
Magnesium	mg/kg	NS	NS	NS	NS	3800	NA	NA	NA	NA	NA	3200
Manganese	mg/kg	3600	8100	130.2	NS	250	NA	NA	NA	NA	NA	420
Mercury	mg/kg	0.5	1.5	3.291	NS	< 0.14	NA	NA	NA	0.046 J	0.030 J	0.10 J
Nickel	mg/kg	560	2500	176.2	NS	22	NA	NA	NA	12	28	18
Potassium	mg/kg	NS	NS	NS	NS	2700	NA	NA	NA	0.81	NA	630
Selenium	mg/kg	160	1300	2.64	NS	< 0.48	NA	NA	NA	< 0.58	< 0.54	< 0.56
Silver	mg/kg	160	1300	7.86	NS	< 0.48	NA	NA	NA	NA	NA	< 560
Sodium	mg/kg	NS	NS	NS	NS	81 J	NA	NA	NA	NA	NA	< 1.1
Thallium	mg/kg	3	21	0.889	NS	0.19 J	NA	NA	NA	0.24 J	< 1.1	< 1.1
Vanadium	mg/kg	30	250	4.000	NS	73	NA	NA	NA	NA	NA	79
Zinc	mg/kg	8700	75000	3004	NS	20	NA	NA	NA	92	25	59
PCBs												
Aroclor 1254	mg/kg	1.2	8	NS	NS	NA	NA	NA	NA	0.024 J	< 0.039	NA
TPH												
Diesel Range Organics	mg/kg	100***	100***	NS	NS	NA	NA	NA	NA	NA	NA	NA
TCLP Metals												
Arsenic	mg/l	NS	NS	NS	5	NA	NA	NA	NA	< 0.50	< 0.50	NA
Barium	mg/l	NS	NS	NS	100	NA	NA	NA	NA	4.0 J	1.4 J	NA
Cadmium	mg/l	NS	NS	NS	1	NA	NA	NA	NA	0.00091 J	0.0012 J	NA
Lead	mg/l	NS	NS	NS	5	NA	NA	NA	NA	0.15 J	< 0.50	NA
Mercury	mg/l	NS	NS	NS	0.2	NA	NA	NA	NA	< 0.0020	< 0.0020	NA
Selenium	mg/l	NS	NS	NS	1	NA	NA	NA	NA	< 0.25	< 0.25	NA
Silver	mg/l	NS	NS	NS	5	NA	NA	NA	NA	< 0.50	< 0.50	NA
TCLP VOCs												
2-Butanone (MEK)	mg/l	NS	NS	NS	200	NA	NA	NA	NA	< 0.25	< 0.25	NA
TCLP SVOCs												
2-Methylphenol	mg/l	NS	NS	NS	NS	NA	< 0.0040	< 0.0080	< 0.0040	NA	NA	NA
3-Methylphenol, 4-Methylphenol	mg/l	NS	NS	NS	200	NA	< 0.0040	< 0.0080	< 0.0040	NA	NA	NA
Pentachlorophenol	mg/l	NS	NS	NS	100	NA	< 0.016	< 0.032	< 0.016	NA	NA	NA

Notes and Abbreviations on Page 25.

Table 4
Supplemental Soil Analytical Results - Detections Only
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

Location ID	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	TRENCH-08_065 2/8/2016 4-5	TRENCH-08-WCL 2/9/2016 NA	TRENCH-09_00_4-5(20160209) 2/9/2016 4-5	TRENCH-09_00_6-7(20160209) 2/9/2016 6-7	TRENCH-09_40_2-3(20160209) 2/9/2016 2-3	TRENCH-09_40_4-5(20160209) 2/9/2016 4-5	TRENCH-09-WCL 2/9/2016 NA
1.1.2-Trichloroethane	mg/kg	9	14	0.014	NS	< 0.33	NA	< 0.32	< 0.37	< 0.25	< 0.31	NA
1.2.4-Trimethylbenzene	mg/kg	8	25	2.745	NS	< 0.33	NA	< 0.32	< 0.37	< 0.25	< 0.31	NA
1.3.5-Trimethylbenzene	mg/kg	3	10	2.733	NS	< 0.33	NA	< 0.32	< 0.37	< 0.25	< 0.31	NA
Acetone	mg/kg	340	1000	8.398	NS	< 1.3	NA	< 1.3	< 1.5	< 1	< 1.2	NA
Benzene	mg/kg	6	10	0.017	NS	< 0.33	NA	< 0.32	< 0.37	< 0.25	< 0.31	NA
cis-1,2-Dichloroethene	mg/kg	8	22	0.208	NS	< 0.33	NA	< 0.32	< 0.37	< 0.25	< 0.31	NA
Cyclohexane	mg/kg	NS	NS	NS	NS	< 0.67	NA	< 0.64	< 0.75	< 0.5	< 0.62	NA
Cymene (p-Isopropyltoluene)	mg/kg	NS	NS	NS	NS	< 0.33	NA	< 0.32	< 0.37	< 0.25	< 0.31	NA
Dichloromethane	mg/kg	97	158	0.017	NS	< 0.33	NA	< 0.32	< 0.37	< 0.25	< 0.31	NA
Ethylbenzene	mg/kg	200	200	1.048	NS	< 0.33	NA	< 0.32	< 0.37	< 0.25	< 0.31	NA
Isopropylbenzene	mg/kg	30	87	9.463	NS	< 0.33	NA	< 0.32	< 0.37	< 0.25	< 0.31	NA
Methyl Acetate	mg/kg	NS	NS	NS	NS	< 0.67	NA	0.16 J	< 0.75	< 0.5	< 0.62	NA
Methylcyclohexane	mg/kg	NS	NS	NS	NS	< 0.67	NA	< 0.64	< 0.75	< 0.5	< 0.62	NA
Naphthalene	mg/kg	10	28	4.468	NS	< 0.33	NA	< 0.32	< 0.37	< 0.25	< 0.31	NA
N-Butylbenzene	mg/kg	30	92	NS	NS	< 0.33	NA	< 0.32	< 0.37	< 0.25	< 0.31	NA
N-Propylbenzene	mg/kg	30	93	NS	NS	< 0.33	NA	< 0.32	< 0.37	< 0.25	< 0.31	NA
sec-Butylbenzene	mg/kg	25	70	NS	NS	< 0.33	NA	< 0.32	0.032 J	< 0.25	< 0.31	NA
tert-Butylbenzene	mg/kg	30	90	NS	NS	< 0.33	NA	< 0.32	< 0.37	< 0.25	< 0.31	NA
Toluene	mg/kg	107	305	2.459	NS	< 0.33	NA	< 0.32	< 0.37	< 0.25	< 0.31	NA
m,p-Xylene	mg/kg	NS	NS	NS	NS	< 0.33	NA	< 0.32	< 0.37	< 0.25	< 0.31	NA
o-Xylene	mg/kg	NS	NS	NS	NS	< 0.33	NA	< 0.32	< 0.37	< 0.25	< 0.31	NA
Total Xylenes*	mg/kg	45*	130*	5.415	NS	ND	NA	ND	ND	ND	ND	NA
SVOCs												
1,1-Biphenyl	mg/kg	NS	NS	62.161	NS	0.0088 J	NA	< 0.39	< 0.42	< 0.38	< 0.42	NA
2-Methylnaphthalene	mg/kg	100	369	NS	NS	0.015 J	NA	0.0043 J	< 0.42	< 0.38	< 0.42	NA
Acenaphthene	mg/kg	1200	5260	81.242	NS	< 0.41	NA	0.039 J	< 0.42	< 0.38	< 0.42	NA
Acenaphthylene	mg/kg	NS	NS	NS	NS	< 0.41	NA	< 0.39	< 0.42	< 0.38	< 0.42	NA
Acetophenone	mg/kg	NS	NS	NS	NS	< 0.39	NA	< 0.39	< 0.42	< 0.38	< 0.42	NA
Anthracene	mg/kg	7880	45400	1312.816	NS	< 0.41	NA	0.0080 J	< 0.42	< 0.38	< 0.42	NA
Benzaldehyde	mg/kg	NS	NS	NS	NS	< 0.41	NA	< 0.39	< 0.42	< 0.38	< 0.42	NA
Benzol(a)anthracene	mg/kg	NS	NS	NS	NS	0.0050 J	NA	0.021 J	< 0.42	< 0.38	< 0.42	NA
Benzol(a)pyrene	mg/kg	2	3	1.410	NS	< 0.41	NA	0.039 J	< 0.42	0.0066 J	< 0.42	NA
Benzol(b)fluoranthene	mg/kg	NS	NS	NS	NS	< 0.41	NA	0.026 J	< 0.42	< 0.38	< 0.42	NA
Benzol(g,h,i)perylene	mg/kg	NS	NS	NS	NS	< 0.41	NA	0.015 J	< 0.42	< 0.38	< 0.42	NA
Benzol(k)fluoranthene	mg/kg	NS	NS	NS	NS	< 0.41	NA	< 0.39	< 0.42	< 0.38	< 0.42	NA
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	28.716	NS	< 0.41	NA	< 0.39	0.058 J	< 0.38	< 0.42	NA
Butyl benzyl phthalate	mg/kg	580	3700	28.820	NS	< 0.41	NA	< 0.39	< 0.42	< 0.38	< 0.42	NA
Carbazole	mg/kg	700	1310	NS	NS	< 0.41	NA	0.029 J	< 0.42	< 0.38	< 0.42	NA
Chrysene	mg/kg	NS	NS	NS	NS	0.0050 J	NA	< 0.39	< 0.42	< 0.38	< 0.42	NA
Dibenzofuran	mg/kg	NS	NS	NS	NS	< 0.41	NA	0.016 J	< 0.42	< 0.38	< 0.42	NA
Dibenzofuran	mg/kg	104	810	NS	NS	0.0096 J	NA	< 0.39	< 0.42	< 0.38	< 0.42	NA
Diethyl phthalate	mg/kg	NS	NS	37.177	NS	< 0.41	NA	< 0.39	< 0.42	< 0.38	< 0.42	NA
Di-n-butyl phthalate	mg/kg	2440	16300	33.796	NS	< 0.41	NA	< 0.39	< 0.42	< 0.38	< 0.42	NA
Fluoranthene	mg/kg	1080	6800	666	NS	0.0095 J	NA	0.044 J	< 0.42	< 0.38	< 0.42	NA
Fluorene	mg/kg	850	4120	110.524	NS	< 0.41	NA	0.043 J	0.013 J	< 0.38	< 0.42	NA
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NS	NS	< 0.41	NA	0.019 J	< 0.42	< 0.38	< 0.42	NA
Isochlorone	mg/kg	NS	NS	0.461	NS	< 0.41	NA	< 0.39	< 0.42	< 0.38	< 0.42	NA
Naphthalene	mg/kg	10	28	4.468	NS	0.011 J	NA	0.011 J	0.0066 J	0.0052 J	< 0.42	NA
Phenanthrene	mg/kg	NS	NS	NS	NS	0.066 J	NA	0.031 J	0.0048 J	< 0.38	< 0.42	NA
Pyrene	mg/kg	890	5800	4.35.120	NS	0.0089 J	NA	0.037 J	0.0050 J	< 0.38	< 0.42	NA
Benzol(a)pyrene (Bap) Equivalents	mg/kg	2	3	NS	NS	0.00055	NA	0.03069	ND	0.00066	ND	NA
Total Metals												
Aluminum	mg/kg	30000	100000	NS	NS	5800	NA	NA	NA	3900	7200	NA
Antimony	mg/kg	12	100	5.412	NS	< 1.1 J	NA	23	2.0	29	< 1.1	NA
Arsenic	mg/kg	9	20	5.82	NS	4.3	NA	4.8	4.2	2.7	4.0	NA
Barium	mg/kg	1100	18000	1684	NS	32	NA	NA	NA	78	24	NA
Beryllium	mg/kg	55	230	2.720	NS	0.42 J	NA	0.28 J	0.56	0.21 J	0.54	NA
Cadmium	mg/kg	25	200	8.808	NS	< 0.22	NA	1.4	< 0.21	0.23	< 0.21	NA
Calcium	mg/kg	NS	NS	NS	NS	11000 J	NA	NA	NA	1800	7900	NA
Chromium**	mg/kg	87/44000**	650/100000**	NS	NS	11	NA	13	13	8.3	13	NA

Notes and Abbreviations on Page 25.

Table 4
Supplemental Soil Analytical Results - Detections Only
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

Location ID	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	TRENCH-08_065 2/8/2016	TRENCH-08-WCL (20160209) 2/9/2016	TRENCH-09_00_4-5 (20160209) 2/9/2016	TRENCH-09_00_6-7 (20160209) 2/9/2016	TRENCH-09_40_2-3 (20160209) 2/9/2016	TRENCH-09_40_4-5 (20160209) 2/9/2016	TRENCH-09-WCL (20160209) 2/9/2016	
Sample ID													
Sample Date													
Parent Sample													
Depth Interval													
Cobalt	mg/kg	600	2600	27.06	NS	4.5	NA	4.5	NA	6-7	2-3	4.5	NA
Copper	mg/kg	100	9000	702	NS	9.9	NA	19	7.7	4.4	11	11	NA
Iron	mg/kg	9000	75000	NS	NS	13000	NA	NA	NA	7400	13000	13000	NA
Lead	mg/kg	300	700	2700	NS	6.0	NA	95	4.8	6.4	2.8	4700	NA
Magnesium	mg/kg	NS	NS	NS	NS	5100 J	NA	NA	NA	860	600	4700	NA
Manganese	mg/kg	3600	8100	130.2	NS	230	NA	NA	NA	270	170	170	NA
Mercury	mg/kg	0.5	1.5	3.291	NS	< 0.14	NA	0.051 J	< 0.14	0.026 J	< 0.13	< 0.13	NA
Nickel	mg/kg	560	2500	176.2	NS	20	NA	15	25	8.8	22	3200	NA
Potassium	mg/kg	NS	NS	NS	NS	1900	NA	NA	NA	540	0.42 J	0.58	NA
Selenium	mg/kg	160	1300	2.64	NS	0.42 J	NA	0.44 J	< 0.54	< 0.44	< 0.44	< 0.53	NA
Silver	mg/kg	NS	NS	7.86	NS	< 0.56	NA	NA	NA	68 J	110 J	110 J	NA
Sodium	mg/kg	NS	NS	NS	NS	59 J	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/kg	3	21	0.889	NS	0.15 J	NA	< 1.1	< 1.1	< 0.88	0.28 J	8.4	NA
Vanadium	mg/kg	30	250	4.000	NS	70	NA	NA	NA	74	8.4	8.4	NA
Zinc	mg/kg	8700	75000	3004	NS	26	NA	160	26	61	24	24	NA
PCBs													
Aroclor 1254	mg/kg	1.2	8	NS	NS	NA	NA	< 0.04	< 0.043	NA	NA	NA	NA
TPH													
Diesel Range Organics	mg/kg	100***	100***	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Metals													
Arsenic	mg/l	NS	NS	NS	5	NA	NA	< 0.50	< 0.50	NA	NA	NA	NA
Barium	mg/l	NS	NS	NS	100	NA	NA	2.7 J	0.84 J	NA	NA	NA	NA
Cadmium	mg/l	NS	NS	NS	1	NA	NA	0.010 J	0.00062 J	NA	NA	NA	NA
Lead	mg/l	NS	NS	NS	5	NA	NA	0.080 J	< 0.50	NA	NA	NA	NA
Mercury	mg/l	NS	NS	NS	0.2	NA	NA	< 0.0020	< 0.0020	NA	NA	NA	NA
Selenium	mg/l	NS	NS	NS	1	NA	NA	< 0.25	< 0.25	NA	NA	NA	NA
Silver	mg/l	NS	NS	NS	5	NA	NA	< 0.50	< 0.50	NA	NA	NA	NA
TCLP VOCs													
2-Butanone (MEK)	mg/l	NS	NS	NS	200	NA	NA	< 0.25	< 0.25	NA	NA	NA	NA
TCLP SVOCs													
2-Methylphenol	mg/l	NS	NS	NS	NS	NA	< 0.0040	NA	NA	NA	NA	0.0015 J	NA
3-Methylphenol, 4-Methylphenol	mg/l	NS	NS	NS	200	NA	< 0.0040	NA	NA	NA	NA	0.0041	NA
Pentachlorophenol	mg/l	NS	NS	NS	100	NA	< 0.016	NA	NA	NA	NA	< 0.016	NA

Notes and Abbreviations on Page 25.

Table 4
Supplemental Soil Analytical Results - Detections Only
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

Location ID	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	TRENCH-10_00 TRENCH-10_00_3-4(20160222) 2/22/2016	TRENCH-10_00 TRENCH-10_00_7-8(20160222) 2/22/2016	TRENCH-10_20 TRENCH-10_20_1-2(20160222) 2/22/2016	TRENCH-10_20 TRENCH-10_20_4-5(20160222) 2/22/2016	TRENCH-10-WCL TRENCH-10-WCL(20160223) 2/23/2016	TRENCH-10_001 TRENCH-10_001-20160322 3/22/2016	TRENCH-10_002 TRENCH-10_002-20160322 3/22/2016
VOCs												
1,1,2-Trichloroethane	mg/kg	9	14	0.014	NS	< 0.28	< 0.38	< 0.37	< 0.32	NA	NA	NA
1,2,4-Trimethylbenzene	mg/kg	8	25	2.745	NS	< 0.28	< 0.38	< 0.37	< 0.32	NA	NA	NA
1,3,5-Trimethylbenzene	mg/kg	3	10	2.733	NS	< 0.28	< 0.38	< 0.37	< 0.32	NA	NA	NA
Acetone	mg/kg	340	1000	8.398	NS	< 1.1	< 1.5	< 1.5	< 1.3	NA	NA	NA
Benzene	mg/kg	6	10	0.017	NS	0.058 J	< 0.38	< 0.37	< 0.32	NA	NA	NA
cis-1,2-Dichloroethene	mg/kg	8	22	0.208	NS	0.17 J	< 0.38	< 0.37	< 0.32	NA	NA	NA
Cyclohexane	mg/kg	NS	NS	NS	NS	< 0.57	< 0.73	< 0.73	< 0.64	NA	NA	NA
Cymene (p-Isopropyltoluene)	mg/kg	NS	NS	NS	NS	< 0.28	< 0.38	< 0.37	< 0.32	NA	NA	NA
Dichloromethane	mg/kg	97	158	0.017	NS	< 0.28	< 0.38	0.12 J	< 0.32	NA	NA	NA
Ethylbenzene	mg/kg	200	200	1.048	NS	< 0.28	< 0.38	< 0.37	< 0.32	NA	NA	NA
Isopropylbenzene	mg/kg	30	87	9.463	NS	< 0.28	< 0.38	< 0.37	< 0.32	NA	NA	NA
Methyl Acetate	mg/kg	NS	NS	NS	NS	0.095 J	< 0.77	< 0.73	< 0.64	NA	NA	NA
Methylcyclohexane	mg/kg	NS	NS	NS	NS	< 0.57	< 0.77	< 0.73	< 0.64	NA	NA	NA
Naphthalene	mg/kg	10	28	4.468	NS	< 0.28	< 0.38	< 0.37	< 0.32	NA	NA	NA
N-Butylbenzene	mg/kg	30	92	NS	NS	< 0.28	< 0.38	< 0.37	< 0.32	NA	NA	NA
N-Propylbenzene	mg/kg	30	93	NS	NS	< 0.28	< 0.38	< 0.37	< 0.32	NA	NA	NA
sec-Butylbenzene	mg/kg	25	70	NS	NS	< 0.28	< 0.38	< 0.37	< 0.32	NA	NA	NA
tert-Butylbenzene	mg/kg	30	90	NS	NS	< 0.28	< 0.38	< 0.37	< 0.32	NA	NA	NA
Toluene	mg/kg	107	305	2.459	NS	< 0.28	< 0.38	< 0.37	< 0.32	NA	NA	NA
m,p-Xylene	mg/kg	NS	NS	NS	NS	< 0.28	< 0.38	< 0.37	< 0.32	NA	NA	NA
o-Xylene	mg/kg	NS	NS	NS	NS	0.023 J	< 0.38	< 0.37	< 0.32	NA	NA	NA
Total Xylenes*	mg/kg	45*	130*	5.415	NS	0.023 J	ND	ND	ND	NA	NA	NA
SVOCs												
1,1-Biphenyl	mg/kg	NS	NS	62.161	NS	0.11 J	< 0.43	< 0.41	< 0.43	NA	NA	NA
2-Methylnaphthalene	mg/kg	100	369	NS	NS	0.076 J	< 0.43	< 0.41	< 0.43	NA	NA	NA
Acenaphthene	mg/kg	1200	5260	81.242	NS	< 0.43	< 0.43	< 0.41	< 0.43	NA	NA	NA
Acenaphthylene	mg/kg	NS	NS	NS	NS	0.014 J	< 0.43	< 0.41	< 0.43	NA	NA	NA
Acetophenone	mg/kg	NS	NS	NS	NS	0.16 J	< 0.43	< 0.41	< 0.43	NA	NA	NA
Anthracene	mg/kg	7880	45400	1312.816	NS	0.041 J	< 0.43	0.0072 J	< 0.43	NA	NA	NA
Benzaldehyde	mg/kg	NS	NS	NS	NS	0.083 J	< 0.43	< 0.41	< 0.43	NA	NA	NA
Benzo(a)anthracene	mg/kg	NS	NS	NS	NS	0.1 J	< 0.43	0.013 J	< 0.43	NA	NA	NA
Benzo(a)pyrene	mg/kg	2	3	1.410	NS	0.18 J	< 0.43	0.022 J	< 0.43	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	NS	NS	NS	NS	0.076 J	< 0.43	0.027 J	< 0.43	NA	NA	NA
Benzo(g,h,i)perylene	mg/kg	NS	NS	NS	NS	0.071 J	< 0.43	0.0048 J	< 0.43	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	NS	NS	NS	NS	0.041 J	< 0.43	0.037 J	0.025 J	NA	NA	NA
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	28.716	NS	0.041 J	< 0.43	< 0.41	< 0.43	NA	NA	NA
Butyl benzyl phthalate	mg/kg	580	3700	28.820	NS	< 0.43	< 0.43	< 0.41	< 0.43	NA	NA	NA
Carbazole	mg/kg	700	1310	NS	NS	< 0.43	< 0.43	0.016 J	< 0.43	NA	NA	NA
Chrysene	mg/kg	NS	NS	NS	NS	0.15 J	< 0.43	< 0.41	< 0.43	NA	NA	NA
Dibenzo(a,h)anthracene	mg/kg	NS	NS	NS	NS	< 0.43	< 0.43	< 0.41	< 0.43	NA	NA	NA
Dibenzofuran	mg/kg	104	810	NS	NS	0.099 J	< 0.43	< 0.41	< 0.43	NA	NA	NA
Diethyl phthalate	mg/kg	NS	NS	37.177	NS	< 0.43	< 0.43	< 0.41	< 0.43	NA	NA	NA
Di-n-butyl phthalate	mg/kg	2440	16300	33.796	NS	0.044 J	< 0.43	< 0.41	< 0.43	NA	NA	NA
Fluoranthene	mg/kg	1080	6800	666	NS	0.25 J	< 0.43	0.028 J	< 0.43	NA	NA	NA
Fluorene	mg/kg	850	4120	110.524	NS	0.013 J	< 0.43	< 0.41	< 0.43	NA	NA	NA
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NS	NS	0.064 J	< 0.43	0.012 J	< 0.43	NA	NA	NA
Isophorone	mg/kg	NS	NS	0.461	NS	< 0.43	< 0.43	< 0.41	< 0.43	NA	NA	NA
Naphthalene	mg/kg	10	28	4.468	NS	0.34 J	< 0.43	0.0055 J	< 0.43	NA	NA	NA
Naphthalene	mg/kg	NS	NS	NS	NS	0.26 J	< 0.43	0.014 J	< 0.43	NA	NA	NA
Phenanthrene	mg/kg	NS	NS	NS	NS	0.18 J	< 0.43	0.034 J	< 0.43	NA	NA	NA
Pyrene	mg/kg	890	5800	435.120	NS	0.143 J	ND	0.01804	ND	NA	NA	NA
Benzo(a)pyrene (BaP) Equivalents	mg/kg	2	3	NS	NS	0.143	ND	0.01804	ND	NA	NA	NA
Total Metals												
Aluminum	mg/kg	30000	100000	NS	NS	NA	NA	NA	NA	NA	NA	NA
Antimony	mg/kg	12	100	5.412	NS	220	0.62 J	0.75 J	< 0.96	NA	NA	NA
Arsenic	mg/kg	9	20	5.82	NS	34	3.3	5.5	5.9	NA	NA	NA
Barium	mg/kg	1100	18000	1684	NS	NA	NA	NA	NA	NA	NA	NA
Beryllium	mg/kg	55	230	2.720	NS	0.47 J	0.37 J	0.41 J	0.63	NA	NA	NA
Cadmium	mg/kg	25	200	8.808	NS	38	0.035 J	0.16 J	0.023 J	NA	NA	NA
Calcium	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA
Chromium**	mg/kg	87/4400**	650/10000**	NS	NS	72	15	15 J	14	NA	NA	NA

Notes and Abbreviations on Page 25.

Table 4
Supplemental Soil Analytical Results - Detections Only
 Ford Motor Company - Twin Cities Assembly Plant
 966 South Mississippi River Boulevard
 St. Paul, Minnesota

Location ID	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	TRENCH-10_00 TRENCH-10_00_3-4(20160222) 2/22/2016	TRENCH-10_00 TRENCH-10_00_7-8(20160222) 2/22/2016	TRENCH-10_20 TRENCH-10_20_1-2(20160222) 2/22/2016	TRENCH-10_20 TRENCH-10_20_4-5(20160222) 2/22/2016	TRENCH-10-WCL TRENCH-10-WCL(20160223) 2/23/2016	TRENCH-10_001 TRENCH-10_001-20160322 3/22/2016	TRENCH-10_002 TRENCH-10_002-20160322 3/22/2016
Sample ID												
Sample Date												
Parent Sample												
Depth Interval						3-4	7-8	1-2	4-5	NA	NA	NA
Cobalt	mg/kg	600	2600	27.06	NS	NA	NA	NA	NA	NA	NA	NA
Copper	mg/kg	100	9000	702	NS	570	19	21 J	20	NA	NA	NA
Iron	mg/kg	9000	75000	NS	NS	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	300	700	2700	NS	9200	6.7	10 J	2.1	NA	NA	NA
Magnesium	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/kg	3600	8100	130.2	NS	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/kg	0.5	1.5	3.291	NS	0.19	< 0.13	0.039 J	0.057 J	NA	NA	NA
Nickel	mg/kg	560	2500	176.2	NS	58	14	17 J	25	NA	NA	NA
Potassium	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	160	1300	2.64	NS	1.1	< 0.62	< 0.59	< 0.48	NA	NA	NA
Silver	mg/kg	160	1300	7.86	NS	2.8	< 0.62	< 0.59	< 0.48	NA	NA	NA
Sodium	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/kg	3	21	0.889	NS	< 11	0.25 J	0.35 J	< 0.96	NA	NA	NA
Vanadium	mg/kg	30	250	4.000	NS	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	8700	75000	3004	NS	3700	17	47	22	NA	NA	NA
PCBs												
Aroclor 1254	mg/kg	1.2	8	NS	NS	< 0.044	< 0.042	< 0.041	< 0.043	NA	NA	NA
TPH												
Diesel Range Organics	mg/kg	100***	100***	NS	NS	NA	NA	NA	NA	NA	NA	NA
TCLP Metals												
Arsenic	mg/l	NS	NS	NS	5	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA
Barium	mg/l	NS	NS	NS	100	14	0.20 J	0.42 J	0.25 J	NA	NA	NA
Cadmium	mg/l	NS	NS	NS	1	0.29	< 0.10	0.0025 J	< 0.10	NA	NA	NA
Lead	mg/l	NS	NS	NS	5	12	0.0069 J	0.0021 J	< 0.50	NA	NA	23
Mercury	mg/l	NS	NS	NS	0.2	< 0.0020	< 0.0020	0.00071 J	< 0.0020	NA	NA	NA
Selenium	mg/l	NS	NS	NS	1	< 0.25	< 0.25	< 0.25	< 0.25	NA	NA	NA
Silver	mg/l	NS	NS	NS	5	< 0.50	< 0.50	< 0.50	< 0.50	NA	NA	NA
TCLP VOCs												
2-Butanone (MEK)	mg/l	NS	NS	NS	200	< 0.25	< 0.25	< 0.25	< 0.25	NA	NA	NA
TCLP SVOCs												
2-Methylphenol	mg/l	NS	NS	NS	NS	NA	NA	NA	NA	< 0.0040	NA	NA
3-Methylphenol, 4-Methylphenol	mg/l	NS	NS	NS	200	NA	NA	NA	NA	< 0.0040	NA	NA
Pentachlorophenol	mg/l	NS	NS	NS	100	NA	NA	NA	NA	< 0.016	NA	NA

Notes and Abbreviations on Page 25.

Table 4
Supplemental Soil Analytical Results - Detections Only
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota



Location ID Sample ID Parent Sample Depth Interval	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	TRENCH-10_003 3/22/2016	TRENCH-11_00 4-5 2/22/2016	TRENCH-11_00 5-6 2/22/2016	TRENCH-11_015 5-6 3/22/2016	TRENCH-11_015 10-11 3/22/2016	TRENCH-11-WCL 2/23/2016	TRENCH-12_00 2/22/2016
---	-------	-------------------------------	-------------------------------	----------------------------	------------------------	----------------------------	----------------------------------	----------------------------------	-----------------------------------	-------------------------------------	----------------------------	---------------------------

VOCs												
1,1,2-Trichloroethane	mg/kg	9	14	0.014	NS	NA	< 0.31	< 0.23	< 0.38	< 0.38	NA	< 14
1,2,4-Trimethylbenzene	mg/kg	8	25	2.745	NS	NA	< 0.31	< 0.23	< 0.38	< 0.38	NA	320
1,3,5-Trimethylbenzene	mg/kg	3	10	2.733	NS	NA	< 0.31	< 0.23	< 0.38	< 0.38	NA	< 14
Acetone	mg/kg	340	1000	8.398	NS	NA	< 1.2	< 0.91	< 1.5	< 1.5	NA	< 56
Benzene	mg/kg	6	10	0.017	NS	NA	< 0.31	< 0.23	< 0.38	< 0.38	NA	< 14
cis-1,2-Dichloroethene	mg/kg	8	22	0.208	NS	NA	< 0.31	< 0.23	< 0.38	< 0.38	NA	< 14
Cyclohexane	mg/kg	NS	NS	NS	NS	NA	< 0.61	< 0.45	< 0.76	< 0.76	NA	2.5 J
Cymene (p-Isopropyltoluene)	mg/kg	NS	NS	NS	NS	NA	< 0.31	< 0.23	< 0.38	< 0.38	NA	15
Dichloromethane	mg/kg	97	158	0.017	NS	NA	< 0.31	< 0.23	0.61	< 0.38	NA	< 14
Ethylbenzene	mg/kg	200	200	1.048	NS	NA	< 0.31	< 0.23	< 0.38	< 0.38	NA	14
Isopropylbenzene	mg/kg	30	87	9.463	NS	NA	< 0.31	< 0.23	< 0.38	< 0.38	NA	22
Methyl Acetate	mg/kg	NS	NS	NS	NS	NA	0.37 J	0.056 J	0.26 J	0.087 J	NA	< 28
Methylcyclohexane	mg/kg	NS	NS	NS	NS	NA	< 0.61	< 0.45	< 0.76	< 0.76	NA	23 J
Naphthalene	mg/kg	10	28	4.468	NS	NA	< 0.31	< 0.23	< 0.38	< 0.38	NA	17
N-Butylbenzene	mg/kg	30	92	NS	NS	NA	< 0.31	< 0.23	< 0.38	< 0.38	NA	14
N-Propylbenzene	mg/kg	30	93	NS	NS	NA	< 0.31	< 0.23	< 0.38	< 0.38	NA	30
sec-Butylbenzene	mg/kg	25	70	NS	NS	NA	< 0.31	< 0.23	< 0.38	< 0.38	NA	28
tert-Butylbenzene	mg/kg	90	305	NS	NS	NA	< 0.31	< 0.23	< 0.38	< 0.38	NA	< 14
Toluene	mg/kg	107	305	2.459	NS	NA	< 0.31	< 0.23	< 0.38	< 0.38	NA	< 14
m,p-Xylene	mg/kg	NS	NS	NS	NS	NA	< 0.31	< 0.23	< 0.38	< 0.38	NA	< 14
o-Xylene	mg/kg	NS	NS	NS	NS	NA	< 0.31	< 0.23	< 0.38	< 0.38	NA	< 14
Total Xylenes*	mg/kg	45*	130*	5.415	NS	NA	ND	ND	ND	ND	NA	ND

SVOCs												
1,1-Biphenyl	mg/kg	NS	NS	62.161	NS	NA	0.015 J	< 0.41	< 0.41	< 0.42	NA	< 2.8
2-Methylnaphthalene	mg/kg	100	369	NS	NS	NA	0.13 J	< 0.41	< 0.41	< 0.42	NA	1.4 J
Acenaphthene	mg/kg	1200	5260	81.242	NS	NA	0.014 J	< 0.41	< 0.41	< 0.42	NA	< 2.8
Acenaphthylene	mg/kg	NS	NS	NS	NS	NA	0.0060 J	< 0.41	< 0.41	< 0.42	NA	< 2.8
Acetophenone	mg/kg	NS	NS	NS	NS	NA	0.018 J	< 0.41	< 0.41	< 0.42	NA	< 2.8
Anthracene	mg/kg	7880	45400	1312.816	NS	NA	0.036 J	< 0.41	< 0.41	< 0.42	NA	< 2.8
Benzaldehyde	mg/kg	NS	NS	NS	NS	NA	0.058 J	< 0.41	< 0.41	< 0.42	NA	< 2.8
Benzofuran	mg/kg	NS	NS	NS	NS	NA	0.4 J	< 0.41	< 0.41	< 0.42	NA	< 2.8
Benzof(a)pyrene	mg/kg	2	3	1.410	NS	NA	0.45	< 0.41	< 0.41	< 0.42	NA	< 2.8
Benzof(b)fluoranthene	mg/kg	NS	NS	NS	NS	NA	0.76	< 0.41	< 0.41	< 0.42	NA	< 2.8
Benzof(g,h,i)perylene	mg/kg	NS	NS	NS	NS	NA	0.2 J	< 0.41	< 0.41	< 0.42	NA	< 2.8
Benzof(k)fluoranthene	mg/kg	NS	NS	NS	NS	NA	0.24 J	< 0.41	< 0.41	< 0.42	NA	< 2.8
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	28.716	NS	NA	< 0.41	0.024 J	< 0.41	< 0.42	NA	< 2.8
Butyl benzy phthalate	mg/kg	580	3700	28.820	NS	NA	< 0.41	< 0.41	< 0.41	< 0.42	NA	< 2.8
Carbazole	mg/kg	700	1310	NS	NS	NA	0.53	< 0.41	< 0.41	< 0.42	NA	< 2.8
Chrysene	mg/kg	NS	NS	NS	NS	NA	0.093 J	< 0.41	< 0.41	< 0.42	NA	< 2.8
Dibenzofuran	mg/kg	104	810	NS	NS	NA	0.032 J	< 0.41	< 0.41	< 0.42	NA	< 2.8
Diethyl phthalate	mg/kg	NS	NS	37.177	NS	NA	< 0.41	< 0.41	< 0.41	< 0.42	NA	< 2.8
Di-n-butyl phthalate	mg/kg	2440	16300	33.796	NS	NA	< 0.41	< 0.41	< 0.41	< 0.42	NA	< 2.8
Fluoranthene	mg/kg	1080	6800	666	NS	NA	0.58	< 0.41	0.0058 J	< 0.42	NA	0.042 J
Fluorene	mg/kg	850	4120	110.524	NS	NA	0.015 J	< 0.41	< 0.41	< 0.42	NA	< 2.8
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NS	NS	NA	0.21 J	< 0.41	< 0.41	< 0.42	NA	< 2.8
Isophorone	mg/kg	NS	NS	0.461	NS	NA	< 0.41	< 0.41	< 0.41	< 0.42	NA	< 2.8
Naphthalene	mg/kg	10	28	4.468	NS	NA	0.04 J	< 0.41	< 0.41	< 0.42	NA	7
Phenanthrene	mg/kg	NS	NS	NS	NS	NA	0.2 J	< 0.41	< 0.41	< 0.42	NA	0.072 J
Pyrene	mg/kg	890	5800	435.120	NS	NA	0.46	< 0.41	0.0053 J	< 0.42	NA	0.034 J
Benzof(a)pyrene (BaP) Equivalents	mg/kg	2	3	NS	NS	NA	0.6685	ND	ND	ND	NA	ND

Total Metals												
Aluminum	mg/kg	30000	100000	NS	NS	NA	NA	NA	7700	NA	NA	NA
Antimony	mg/kg	12	100	5.412	NS	NA	30	< 0.96	0.84 J	NA	NA	NA
Arsenic	mg/kg	9	20	5.82	NS	NA	5.4	3.6	4.1	NA	NA	2.7
Barium	mg/kg	1100	18000	1684	NS	NA	NA	NA	86	NA	NA	3.7
Beryllium	mg/kg	55	230	2.720	NS	NA	0.49 J	0.53	0.50 J	NA	NA	NA
Cadmium	mg/kg	25	200	8.808	NS	NA	1.7	< 0.19	0.14 J	NA	NA	0.42 J
Calcium	mg/kg	NS	NS	NS	NS	NA	NA	NA	7800	NA	NA	0.14 J
Chromium**	mg/kg	87/44000**	650/100000**	NS	NS	NA	15	13	17	12	NA	13

Notes and Abbreviations on Page 25.

Table 4
Supplemental Soil Analytical Results - Detections Only
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

Location ID Sample ID Sample Date Parent Sample Depth Interval	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	TRENCH-10_003 3/22/2016	TRENCH-11_00 2/22/2016	TRENCH-11_00 5-6(20160222) 2/22/2016	TRENCH-11_015 5-6(20160322) 3/22/2016	TRENCH-11_015 10-11(20160322) 3/22/2016	TRENCH-11-WCL 2/23/2016	TRENCH-12_00 2/22/2016
Cobalt	mg/kg	600	2600	27.06	NS	NA	NA	NA	7.6	9.6	NA	NA
Copper	mg/kg	100	9000	702	NS	NA	28	16	16	8.9	NA	9.9
Iron	mg/kg	9000	75000	NS	NS	NA	NA	NA	14000	13000	NA	NA
Lead	mg/kg	300	700	2700	NS	NA	210	24	8.6	5.6	NA	9.6
Magnesium	mg/kg	NS	NS	NS	NS	NA	NA	NA	3000	9100	NA	NA
Manganese	mg/kg	3600	8100	130.2	NS	NA	NA	NA	250	550	NA	NA
Mercury	mg/kg	0.5	1.5	3.291	NS	NA	0.074 J	0.028 J	< 0.12	< 0.12	NA	0.057 J
Nickel	mg/kg	560	2500	176.2	NS	NA	16	24	21	19	NA	18
Potassium	mg/kg	NS	NS	NS	NS	NA	NA	NA	1000	1200	NA	NA
Selenium	mg/kg	160	1300	2.64	NS	NA	1.0	< 0.48	< 0.62	< 0.54	NA	< 0.44
Silver	mg/kg	160	1300	7.86	NS	NA	< 0.60	< 0.48	< 0.62	< 0.54	NA	< 0.44
Sodium	mg/kg	NS	NS	NS	NS	NA	NA	NA	130 J	64 J	NA	NA
Thallium	mg/kg	3	21	0.889	NS	NA	< 1.2	< 0.96	0.23 J	0.29 J	NA	< 0.87
Vanadium	mg/kg	30	250	4.000	NS	NA	NA	NA	32	75	NA	NA
Zinc	mg/kg	8700	75000	3004	NS	NA	260	26	38	26	NA	35
PCBs												
Aroclor 1254	mg/kg	1.2	8	NS	NS	NA	< 0.041	< 0.041	NA	NA	NA	< 0.042
TPH												
Diesel Range Organics	mg/kg	100***	100***	NS	NS	NA	NA	NA	NA	NA	NA	NA
TCLP Metals												
Arsenic	mg/l	NS	NS	NS	5	NA	< 0.50	< 0.50	NA	NA	NA	< 2.0
Barium	mg/l	NS	NS	NS	100	NA	1.0 J	0.16 J	NA	NA	NA	1.1 J
Cadmium	mg/l	NS	NS	NS	1	NA	0.0089 J	< 0.10	NA	NA	NA	0.0025 J
Lead	mg/l	NS	NS	NS	5	0.040 J	0.055 J	< 0.50	NA	NA	NA	0.013 J
Mercury	mg/l	NS	NS	NS	0.2	NA	< 0.0020	< 0.0020	NA	NA	NA	< 0.0020
Selenium	mg/l	NS	NS	NS	1	NA	< 0.25	< 0.25	NA	NA	NA	< 1.0
Silver	mg/l	NS	NS	NS	5	NA	< 0.50	< 0.50	NA	NA	NA	< 0.50
TCLP VOCs												
2-Butanone (MEK)	mg/l	NS	NS	NS	200	NA	< 0.25	< 0.25	NA	NA	NA	< 0.25
TCLP SVOCs												
2-Methylphenol	mg/l	NS	NS	NS	NS	NA	NA	NA	NA	NA	< 0.0040	NA
3-Methylphenol, 4-Methylphenol	mg/l	NS	NS	NS	200	NA	NA	NA	NA	NA	< 0.0040	NA
Pentachlorophenol	mg/l	NS	NS	NS	100	NA	NA	NA	NA	NA	< 0.016	NA

Notes and Abbreviations on Page 25.

Location ID Sample ID Sample Date Parent Sample Depth Interval	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	TRENCH-12_40 12-13 TRENCH-12_40_12-13(20160222) 2/22/2016	TRENCH-12-WCL 2/23/2016 NA
VOCs							
1,1,2-Trichloroethane	mg/kg	9	14	0.014	NS	< 0.32	NA
1,2,4-Trimethylbenzene	mg/kg	8	25	2.745	NS	< 0.32	NA
1,3,5-Trimethylbenzene	mg/kg	3	10	2.733	NS	< 0.32	NA
Acetone	mg/kg	340	1000	8.398	NS	< 1.3	NA
Benzene	mg/kg	6	10	0.017	NS	< 0.32	NA
cis-1,2-Dichloroethane	mg/kg	8	22	0.208	NS	< 0.32	NA
Cyclohexane	mg/kg	NS	NS	NS	NS	< 0.64	NA
Cymene (p-Isopropyltoluene)	mg/kg	NS	NS	NS	NS	< 0.32	NA
Dichloromethane	mg/kg	97	158	0.017	NS	< 0.32	NA
Ethylbenzene	mg/kg	200	200	1.048	NS	< 0.32	NA
Isopropylbenzene	mg/kg	30	87	9.463	NS	< 0.32	NA
Methyl Acetate	mg/kg	NS	NS	NS	NS	0.23 J	NA
Methylcyclohexane	mg/kg	NS	NS	NS	NS	< 0.64	NA
Naphthalene	mg/kg	10	28	4.468	NS	< 0.32	NA
N-Butylbenzene	mg/kg	30	92	NS	NS	< 0.32	NA
N-Propylbenzene	mg/kg	30	93	NS	NS	< 0.32	NA
sec-Butylbenzene	mg/kg	25	70	NS	NS	< 0.32	NA
tert-Butylbenzene	mg/kg	30	90	NS	NS	< 0.32	NA
Toluene	mg/kg	107	305	2.459	NS	< 0.32	NA
m,p-Xylene	mg/kg	NS	NS	NS	NS	< 0.32	NA
o-Xylene	mg/kg	NS	NS	NS	NS	< 0.32	NA
Total Xylenes*	mg/kg	45*	130*	5.415	NS	ND	NA
SVOCs							
1,1-Biphenyl	mg/kg	NS	NS	62.161	NS	< 0.42	NA
2-Methylnaphthalene	mg/kg	100	369	NS	NS	< 0.42	NA
Acenaphthene	mg/kg	1200	5260	81.242	NS	< 0.42	NA
Acenaphthylene	mg/kg	NS	NS	NS	NS	< 0.42	NA
Acetophenone	mg/kg	NS	NS	NS	NS	0.012 J	NA
Anthracene	mg/kg	7880	45400	1312.816	NS	< 0.42	NA
Benzaldehyde	mg/kg	NS	NS	NS	NS	0.043 J	NA
Benz(a)anthracene	mg/kg	NS	NS	NS	NS	0.0075 J	NA
Benz(a)pyrene	mg/kg	2	3	1.410	NS	0.0071 J	NA
Benz(b)fluoranthene	mg/kg	NS	NS	NS	NS	0.012 J	NA
Benz(g,h,i)perylene	mg/kg	NS	NS	NS	NS	< 0.42	NA
Benz(k)fluoranthene	mg/kg	NS	NS	NS	NS	0.0045 J	NA
bis(2-Ethylhexyl)phthalate	mg/kg	570	2100	28.716	NS	< 0.42	NA
Butyl benzyl phthalate	mg/kg	580	3700	28.820	NS	< 0.42	NA
Carbazole	mg/kg	700	1310	NS	NS	< 0.42	NA
Chrysene	mg/kg	NS	NS	NS	NS	0.011 J	NA
Dibenz(a,h)anthracene	mg/kg	NS	NS	NS	NS	< 0.42	NA
Dibenzofuran	mg/kg	104	810	NS	NS	< 0.42	NA
Diethyl phthalate	mg/kg	NS	NS	37.177	NS	< 0.42	NA
Di-n-butyl phthalate	mg/kg	2440	16300	33.796	NS	< 0.42	NA
Fluoranthene	mg/kg	1080	6800	666	NS	0.019 J	NA
Fluorene	mg/kg	850	4120	110.524	NS	< 0.42	NA
Indeno(1,2,3-cd)pyrene	mg/kg	NS	NS	NS	NS	< 0.42	NA
Isophorone	mg/kg	NS	NS	0.461	NS	< 0.42	NA
Naphthalene	mg/kg	10	28	4.468	NS	0.0067 J	NA
Phenanthrene	mg/kg	NS	NS	NS	NS	0.012 J	NA
Pyrene	mg/kg	890	5800	435.120	NS	0.018 J	NA
Benz(a)pyrene (Bap) Equivalents	mg/kg	2	3	NS	NS	0.00961	NA
Total Metals							
Aluminum	mg/kg	30000	100000	NS	NS	NA	NA
Antimony	mg/kg	12	100	5.412	NS	< 1.2	NA
Arsenic	mg/kg	9	20	5.82	NS	2.9	NA
Barium	mg/kg	1100	18000	1684	NS	NA	NA
Beryllium	mg/kg	55	230	2.720	NS	0.38 J	NA
Cadmium	mg/kg	25	200	8.808	NS	0.16 J	NA
Calcium	mg/kg	NS	NS	NS	NS	NA	NA
Chromium**	mg/kg	87/44000**	650/100000**	NS	NS	11	NA

Notes and Abbreviations on Page 25.

Location ID Sample ID Sample Date Parent Sample Depth Interval	Units	Tier I Residential SRVs	Tier II Industrial SRVs	Soil Leaching Values	USEPA TCLP Level	TRENCH-12_40 12-13 2/22/2016	TRENCH-12-WCL 2/23/2016
Cobalt	mg/kg	600	2600	27.06	NS	NA	NA
Copper	mg/kg	100	9000	702	NS	8.5	NA
Iron	mg/kg	9000	75000	NS	NS	NA	NA
Lead	mg/kg	300	700	2700	NS	7.3	NA
Magnesium	mg/kg	NS	NS	NS	NS	NA	NA
Manganese	mg/kg	3600	8100	130.2	NS	NA	NA
Mercury	mg/kg	0.5	1.5	3.291	NS	< 0.11	NA
Nickel	mg/kg	560	2500	176.2	NS	13	NA
Potassium	mg/kg	NS	NS	NS	NS	NA	NA
Selenium	mg/kg	160	1300	2.64	NS	< 0.59	NA
Silver	mg/kg	160	1300	7.86	NS	< 0.59	NA
Sodium	mg/kg	NS	NS	NS	NS	NA	NA
Thallium	mg/kg	3	21	0.889	NS	< 1.2	NA
Vanadium	mg/kg	30	250	4.000	NS	NA	NA
Zinc	mg/kg	8700	75000	3004	NS	35	NA
PCBS							
Aroclor 1254	mg/kg	1.2	8	NS	NS	< 0.043	NA
TPH							
Diesel Range Organics	mg/kg	100***	100***	NS	NS	NA	NA
TCLP Metals							
Arsenic	mg/l	NS	NS	NS	5	< 0.50	NA
Barium	mg/l	NS	NS	NS	100	0.64 J	NA
Cadmium	mg/l	NS	NS	NS	1	< 0.10	NA
Lead	mg/l	NS	NS	NS	5	0.0035 J	NA
Mercury	mg/l	NS	NS	NS	0.2	< 0.0020	NA
Selenium	mg/l	NS	NS	NS	1	< 0.25	NA
Silver	mg/l	NS	NS	NS	5	< 0.50	NA
TCLP VOCs							
2-Butanone (MEK)	mg/l	NS	NS	NS	200	< 0.25	NA
TCLP SVOCs							
2-Methylphenol	mg/l	NS	NS	NS	NS	NA	< 0.0040
3-Methylphenol, 4-Methylphenol	mg/l	NS	NS	NS	200	NA	< 0.0040
Pentachlorophenol	mg/l	NS	NS	NS	100	NA	< 0.016

Notes and Abbreviations on Page 25.

Table 4
Supplemental Soil Analytical Results - Detections Only
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

General Notes:

- * = criteria for total xylenes used, reported data is for the sum of the "m- and p-xylenes" and "o-xylenes" data results
 - ** = SRVs are for Chromium VI and Chromium III respectively, reported data is for total chromium and is therefore compared to the lower of
 - *** = values for gasoline- and diesel-range organics are guidance values provided by the Petroleum Brownfields Program
 - Bold** = detected result
 - Shade** = result value is above the MPCA Tier I Residential SRV
 - Shade** = result value is above the MPCA Tier II Industrial SRV
 - italic* = result is above the MPCA SLV
 - < = not detected above reporting detection limit
- Acronyms and Abbreviations:**
- AMW = Arcadis monitoring well
 - ASB = Arcadis soil boring
 - HA = hand auger
 - J = estimated result
 - mg/kg = milligrams per kilogram
 - mg/l = milligrams per liter
 - MPCA = Minnesota Pollution Control Agency
 - NA = not analyzed
 - NID = not detected
 - NS = no standard
 - PCB = polychlorinated biphenyl
 - SLV = soil leaching value
 - SRV = soil reference value
 - SVOC = semivolatile organic compound
 - TCLP = toxicity characteristic leaching procedure
 - TPH = total petroleum hydrocarbons
 - USEPA = United States Environmental Protection Agency
 - VOC = volatile organic compound

Table 5
Summary of Former Fill Areas A and B Trenching
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

Trench	Total Length (feet)	Lateral Distance (feet from start)	Lithology		Observed Waste Material		Elevated PID Readings	Olfactory Impacts	Analytical Results							
			Type	Depth (feet bgs)	Material Type	Maximum Depth (feet bgs)			VOCs	SVOCs	Metals					
Trench 1	90	80	Brown Silty/Sandy Clay	1 - 2	NA	NA	No	No	No Exceedances	No Exceedances	Antimony (340 mg/kg) Barium (7,200 mg/kg)					
				4 - 5								No Exceedances	No Exceedances			
			Native Blue-Gray Clay	9 - 10	Metals (copper, aluminum, steel, iron)	6	Yes (petroleum-like)	No Exceedances	No Exceedances	No Exceedances						
				10 - 11												
			Native Blue-Gray Clay	13 - 14	NA	NA	Yes (petroleum-like, solvent-like)	No Exceedances	No Exceedances	No Exceedances	No Exceedances					
				6 - 7								Metals (copper, aluminum, steel, iron)	3-5	Yes	No Exceedances	No Exceedances
Trench 2	125	50	Brown Silty/Sandy Clay	6 - 7	NA	NA	Yes	Yes (petroleum-like, solvent-like)	No Exceedances	No Exceedances	No Exceedances					
				70								Lateral Edge of Observed Waste Material	Yes	Yes (solvent-like)	No Exceedances	No Exceedances
				125												
Trench 3	160	20	Brown Silty/Sandy Clay	3 - 4	NA	NA	Yes	Yes (petroleum-like)	No Exceedances	No Exceedances	No Exceedances					
				0								Lateral Edge of Observed Waste Material	Yes	Yes (solvent-like)	No Exceedances	No Exceedances
				100												
Trench 4	85	40	Brown Silty/Sandy Clay	4 - 5	NA	NA	No	Yes (petroleum-like, solvent-like)	No Exceedances	No Exceedances	No Exceedances					
				160								Lateral Edge of Observed Waste Material	Yes	No	No Exceedances	No Exceedances
				75												
Trench 5	125	85	Brown Silty/Sandy Clay	2 - 3	NA	NA	Yes	No	No Exceedances	No Exceedances	No Exceedances					
				0								Lateral Edge of Observed Waste Material	No	No	No Exceedances	No Exceedances
				50												
Trench 6	50	50	Native Blue-Gray Clay	2 - 3	NA	NA	No	No	No Exceedances	No Exceedances	No Exceedances					
				0								Lateral Edge of Observed Waste Material	No	No	No Exceedances	No Exceedances
50	No Exceedances	No Exceedances														

Table 5
Summary of Former Fill Areas A and B Trenching
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

Trench	Total Length (feet)	Lateral Distance (feet from start)	Lithology		Observed Waste Material			Elevated PID Readings	Olfactory Impacts	Analytical Results		
			Type	Depth (feet bgs)	Material Type	Maximum Depth (feet bgs)	VOCs			SVOCs	Metals	
Trench 7	330	10	Brown Silty/Sandy Clay	5 - 6	Debris, nails, glass	4	Yes (petroleum-like)	No Exceedances	No Exceedances	No Exceedances	No Exceedances	
			Native Blue-Gray Clay	10 - 11	NA	NA	Yes (petroleum-like)	No Exceedances	No Exceedances	No Exceedances		
			Brown Silty/Sandy Clay	7 - 8	Nails, wiring, glass, scrap metal	10	Yes (petroleum-like)	1,1,2-Trichloroethane (26 mg/kg) 1,2,4-Trimethylbenzene (430 mg/kg) 1,3,5-Trimethylbenzene (160 mg/kg) Naphthalene (91 mg/kg) N-Butylbenzene (34 mg/kg) Total Xylenes (69 mg/kg)	Naphthalene (69 mg/kg)	No Exceedances		
			Native Blue-Gray Clay	10 - 11	NA	NA	None Noted	No Exceedances	No Exceedances	No Exceedances		
Trench 8	65	0	Brown Silty/Sandy Clay	2 - 3	Nails, wiring, glass, scrap metal	6	No	None Noted	No Exceedances	No Exceedances	Antimony (110 mg/kg) Lead (310 mg/kg)	
			Native Blue-Gray Clay	6 - 7	NA	NA	No	None Noted	No Exceedances	No Exceedances	No Exceedances	
			Brown Silty/Sandy Clay	3 - 4	NA	NA	No	None Noted	No Exceedances	No Exceedances	No Exceedances	
			Native Blue-Gray Clay	5 - 6	NA	NA	No	None Noted	No Exceedances	No Exceedances	No Exceedances	
Trench 9	40	20	Brown Silty/Sandy Clay	8 - 9	Nails, glass, metal pieces and wiring	13	Yes (solvent-like)	No Exceedances	No Exceedances	No Exceedances	Antimony (670 mg/kg)	
			Native Blue-Gray Clay	13 - 14	NA	NA	Yes (solvent-like)	No Exceedances	No Exceedances	No Exceedances	No Exceedances	
			Brown Silty/Sandy Clay	3 - 4	NA	NA	NA	No Exceedances	No Exceedances	No Exceedances	No Exceedances	
			Native Blue-Gray Clay	4 - 5	NA	NA	NA	No Exceedances	No Exceedances	No Exceedances	No Exceedances	
Trench 10	60	0	Brown Silty/Sandy Clay	4 - 5	Nails, glass, metal pieces and wiring	6	No	Yes (solvent-like)	No Exceedances	No Exceedances	No Exceedances	
			Native Blue-Gray Clay	6 - 7	NA	NA	No	Yes (solvent-like)	No Exceedances	No Exceedances	No Exceedances	
			Brown Silty/Sandy Clay	2 - 3	NA	NA	No	No	No Exceedances	No Exceedances	Antimony (220 mg/kg) Arsenic (34 mg/kg) Cadmium (38 mg/kg) Copper (570 mg/kg) Lead (9,200 mg/kg)	
			Native Blue-Gray Clay	4 - 5	NA	NA	No	No	No Exceedances	No Exceedances	No Exceedances	
Trench 10	60	10	Lateral Edge of Observed Waste Material			NA	None Noted	No Exceedances	No Exceedances	No Exceedances	No Exceedances	
			Lateral Edge of Observed Waste Material			NA	None Noted	No Exceedances	No Exceedances	No Exceedances	No Exceedances	
			Lateral Edge of Observed Waste Material			NA	None Noted	No Exceedances	No Exceedances	No Exceedances	No Exceedances	
			Lateral Edge of Observed Waste Material			NA	None Noted	No Exceedances	No Exceedances	No Exceedances	No Exceedances	
Trench 10	60	20	Brown Silty/Sandy Clay	1 - 2	NA	NA	None Noted	None Noted	No Exceedances	No Exceedances	No Exceedances	
			Native Blue-Gray Clay	4 - 5	NA	NA	None Noted	None Noted	No Exceedances	No Exceedances	No Exceedances	

Table 5
Summary of Former Fill Areas A and B Trenching
Ford Motor Company - Twin Cities Assembly Plant
966 South Mississippi River Boulevard
St. Paul, Minnesota

Trench	Total Length (feet)	Lateral Distance (feet from start)	Lithology		Observed Waste Material			Elevated PID Readings	Olfactory Impacts	Analytical Results		
			Type	Depth (feet bgs)	Material Type	Maximum Depth (feet bgs)	VOCs			SVOCs	Metals	
Trench 11	20	0	Brown Silty/Sandy Clay	4 - 5	Nails, glass, metal wiring	5	No	None Noted	No Exceedances	No Exceedances	No Exceedances	Antimony (30 mg/kg)
			Native Blue-Gray Clay	5 - 6								
			Brown Silty/Sandy Clay	5 - 6	NA	NA	No	None Noted	No Exceedances	No Exceedances	Antimony (32 mg/kg)	
Trench 12	40	0	Native Blue-Gray Clay	10 - 11	Debris	3	Yes	None Noted	None Noted	1,2,4-Trimethylbenzene (320 mg/kg)	No Exceedances	No Exceedances
			Black Silt/Clay	12 - 13								
			Black Silt/Clay	12 - 13	NA	NA	None Noted	None Noted	No Exceedances	No Exceedances	No Exceedances	
<i>Lateral Edge of Observed Waste Material</i>												
		30										
		40	Black Silt/Clay	12 - 13	NA	NA	None Noted	None Noted	None Noted	No Exceedances	No Exceedances	No Exceedances

Acronyms and Abbreviations:

bgs = below ground surface

mg/kg = milligram per kilogram

PID = photo-ionization detector

SVOC = semivolatile organic compound

VOC = volatile organic compound