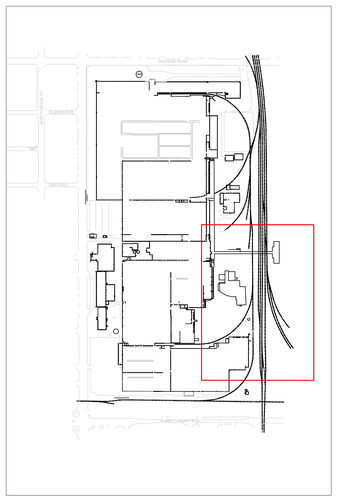

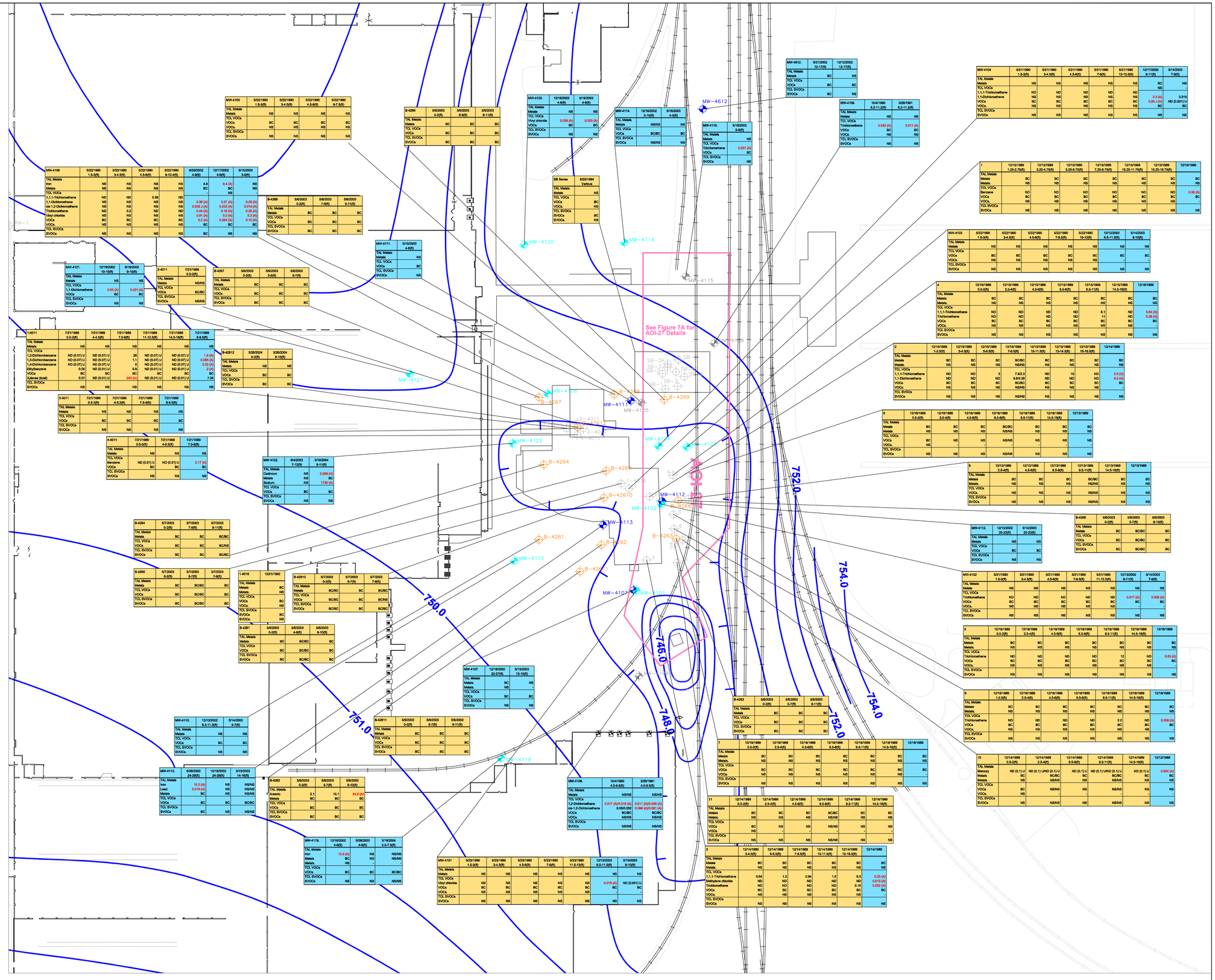

SCREENING CRITERIA FOR SOIL								
Constituent	Background (mg/kg)	Industrial Direct Contact (mg/kg)	Part 201 Industrial Volatization to Indoor Air (mg/kg)	Site-Specific Industrial Volatization to Indoor Air (mg/kg)	Industrial Volatization to Ambient Air Infinite Source (mg/kg)	Industrial Particulate Inhalation (mg/kg)	Residential Drinking Water Protection (mg/kg)	Industrial Drinking Water Protection (mg/kg)
Arsenic	6.8	37	-	-	-	910	23	23
Lead	67.8	900	-	-	-	44,000	700	700
1,1-Dichloroethene	-	570	0.33	700	3.7	78,000	0.14	0.14
Trichloroethene	-	500	37	38,700	260	2,300,000	0.1	0.1
Xylenes (total)	-	150	150	187,000	54,000	130,000,000	5.6	5.6
Benzo(a)pyrene	-	8	-	-	-	1,900	-	-

Notes:
1. See Appendix C for Residential (Off-Site) Screening Criteria.

SCREENING CRITERIA FOR GROUNDWATER								
Constituent	Residential Drinking Water(1) (mg/L)	Industrial Drinking Water(2) (mg/L)	Part 201 Residential Volatilization to Indoor Air(1) (mg/L)	Part 201 Industrial Volatilization to Indoor Air(2) (mg/L)	Site-Specific Residential Volatilization to Indoor Air(1) (mg/L)	Site-Specific Industrial Volatilization to Indoor Air(2) (mg/L)	Residential Direct Contact(1,3) (mg/L)	Industrial Direct Contact(1,3) (mg/L)
Aluminum	0.3	4.1	64,000	-	-	-	-	-
Antimony	0.006	0.006	68	-	-	-	-	-
Arsenic	0.05	0.05	4.3	-	-	-	-	-
Barium	2	2	14,000	-	-	-	-	-
Beryllium	0.004	0.004	290	-	-	-	-	-
Cadmium	0.005	0.005	190	-	-	-	-	-
Chromium (total)	0.1	0.1	460	-	-	-	-	-
Chromium VI	0.1	0.1	460	-	-	-	-	-
Cobalt	0.04	0.1	2,400	-	-	-	-	-
Iron	2	5.6	58,000	-	-	-	-	-
Lead	0.004	0.004	-	-	-	-	-	-
Manganese	0.86	2.5	9,100	-	-	-	-	-
Mercury	0.002	0.002	0.056	0.056	0.056	0.398	45.8	-
Nickel	0.1	0.1	74,000	-	-	-	-	-
Sodium	120	350	1,000,000	-	-	-	-	-
Thallium	0.002	0.002	13	-	-	-	-	-
Vanadium	0.0045	0.062	970	-	-	-	-	-
Benzene	0.005	0.005	11	5.6	35	3.37	4,340	-
Carbon Tetrachloride	0.005	0.005	4.6	0.37	2.4	0.705	8,220	-
Chloroform	0.1	0.1	150	28	180	1.52	16,700	-
1,2-Dichlorobenzene	0.6	0.6	160	160	160	547	465,000	-
1,3-Dichlorobenzene	0.0066	0.019	2	-	-	272	-	-
1,4-Dichlorobenzene	0.075	0.075	6.4	19	74	8.38	1,170,000	-
1,2-Dichloroethane	0.005	0.005	19	9.6	59	4.04	18,400	-
1,1-Dichloroethane	0.88	2.5	2,400	1,000	2,300	560	543,000	-
1,1-Dichloroethene	0.007	0.007	11	0.2	1.3	86.9	12,000	-
cis-1,2-Dichloroethene	0.07	0.07	200	93	210	48.6	1,280,000	-
trans-1,2-Dichloroethene	0.1	0.1	220	85	200	53.4	766,000	-
Ethylbenzene	0.7	0.7	170	110	170	987	556,000	-
Methylene Chloride	0.005	0.005	220	220	1,400	109	206,000	-
Toluene	1	1	530	530	530	417	488,000	-
1,1,1-Trichloroethane	0.2	0.2	1,300	660	1,300	1,310	1,560,000	-
Trichloroethene	0.005	0.005	22	15	97	10.8	276,000	-
Vinyl Chloride	0.002	0.002	1	1.1	13	1.01	1,310	-
Xylenes (total)	10	10	190	190	190	104	569,000	-
Benzo(a)pyrene	0.005	0.005	0.002	-	-	85.5	-	-
Benzo(b)fluoranthene	0.002	0.002	0.002	-	-	4.13	-	-
Benzo(g,h,i)perylene	0.005	0.005	0.005	-	-	468,000	-	-
Benzo(k)fluoranthene	0.005	0.005	0.005	-	-	4,950	-	-
bis(2-Ethylhexyl)phthalate	0.006	0.006	0.32	-	-	179,000	156,000,000	-
Chrysene	0.005	0.005	0.005	-	-	474	-	-
Dibenzo(a,h)anthracene	0.002	0.002	0.002	-	-	499	-	-
Indeno(1,2,3-cd)pyrene	0.002	0.002	0.002	-	-	257	-	-
Pentachlorophenol	0.001	0.001	0.2	-	-	24,800	61,200,000	-

Notes:
(1) Screening criteria used for comparison for off-site locations.
(2) Screening criteria used for comparison for on-site locations.

NOTES:
1. PLAN BASED ON PLAN PROVIDED BY DELPHI CORPORATION.
2. SOIL ANALYTICAL RESULTS (ORANGE BOX) ARE REPORTED IN MG/KG.
   GROUNDWATER ANALYTICAL RESULTS (BLUE BOX) ARE REPORTED IN MG/L.
3. ND - INDICATES COMPOUND WAS ANALYZED FOR BUT NOT DETECTED.
   J - INDICATES ESTIMATE VALUE.
   ND ( )J- INDICATES ESTIMATED REPORTING LIMIT.
   D - USED IN PRE-RFI DATA, INDICATES THE ANALYSIS WAS A DILUTION.
   NS - INDICATES THE COMPOUND WAS NOT ANALYZED.
   NA - NOT AVAILABLE, ASSOCIATED WITH PRE-RFI DATA.
   BC - BELOW CRITERIA OR NOT DETECTED
   / - INDICATES DUPLICATE SAMPLE PAIRS.
   FPT - FREE PRODUCT THICKNESS, FP ND - FREE PRODUCT NOT DETECTED
4. SOIL SCREENING CRITERIA CODES ARE SHOWN IN {}.
   A - EXCEEDS INDUSTRIAL DIRECT CONTACT SCREENING CRITERIA
   D - EXCEEDS INDUSTRIAL VOLATILIZATION TO AMBIENT AIR SCREENING CRITERIA
5. GROUNDWATER SCREENING CRITERIA CODES ARE SHOWN IN {}.
   A - EXCEEDS INDUSTRIAL DRINKING WATER SCREENING CRITERIA
   B - EXCEEDS GW CONTACT SCREENING CRITERIA
   D - EXCEEDS RESIDENTIAL DRINKING WATER SCREENING CRITERIA
   F - EXCEEDS RESIDENTIAL VOLATILIZATION TO INDOOR AIR SCREENING CRITERIA
6. OFF-SITE LOCATIONS SAMPLED TO DATE ARE LOCATED ON COMMERCIAL OR INDUSTRIAL PROPERTIES. HOWEVER, DATA FROM OFF-SITE LOCATIONS ARE CONSERVATIVELY COMPARED WITH RESIDENTIAL SCREENING CRITERIA LISTED IN APPENDIX C.
7. INFERRED GROUNDWATER FLOW IS BASED ON SITE-WIDE POTENTIOMETRIC SURFACE CONTOURS FOR ZONE 1 AS SHOWN IN FIGURE 15. ALSO SEE FIGURE 14 FOR ZONE 2 CONTOURS.

LEGEND:

- MONITORING WELL SCREENED IN ZONE 1
- MONITORING WELL SCREENED IN ZONE 2
- APPROXIMATE LOCATION OF AOI BORING LOCATION
- ABANDONED MONITORING WELL
- APPROXIMATE LOCATION OF GEOPROBE DELINEATION OF SAMPLES
- PRE RFI SAMPLE LOCATION
- PIEZOMETER
- DNAPL DELINEATION BORING
- ESTIMATED POTENTIOMETRIC JUNE 2004 ZONE 1 SURFACE CONTOURS (SEE FIGURE 14 FOR ZONE 2)

0 50 100 150
SCALE IN FEET

N

HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

DELPHI CORPORATION
FLINT-EAST, PLANT 400
DORT HIGHWAY
FLINT, MICHIGAN

SCREENING RESULTS FOR
AOI-26 CONTAINER STORAGE AREA

SCALE: AS SHOWN
DECEMBER 2004

FIGURE 7A

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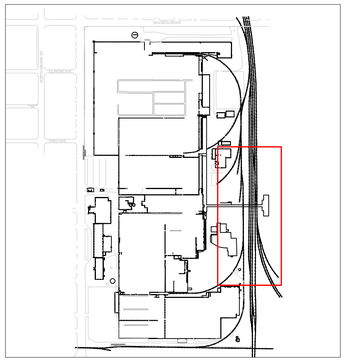
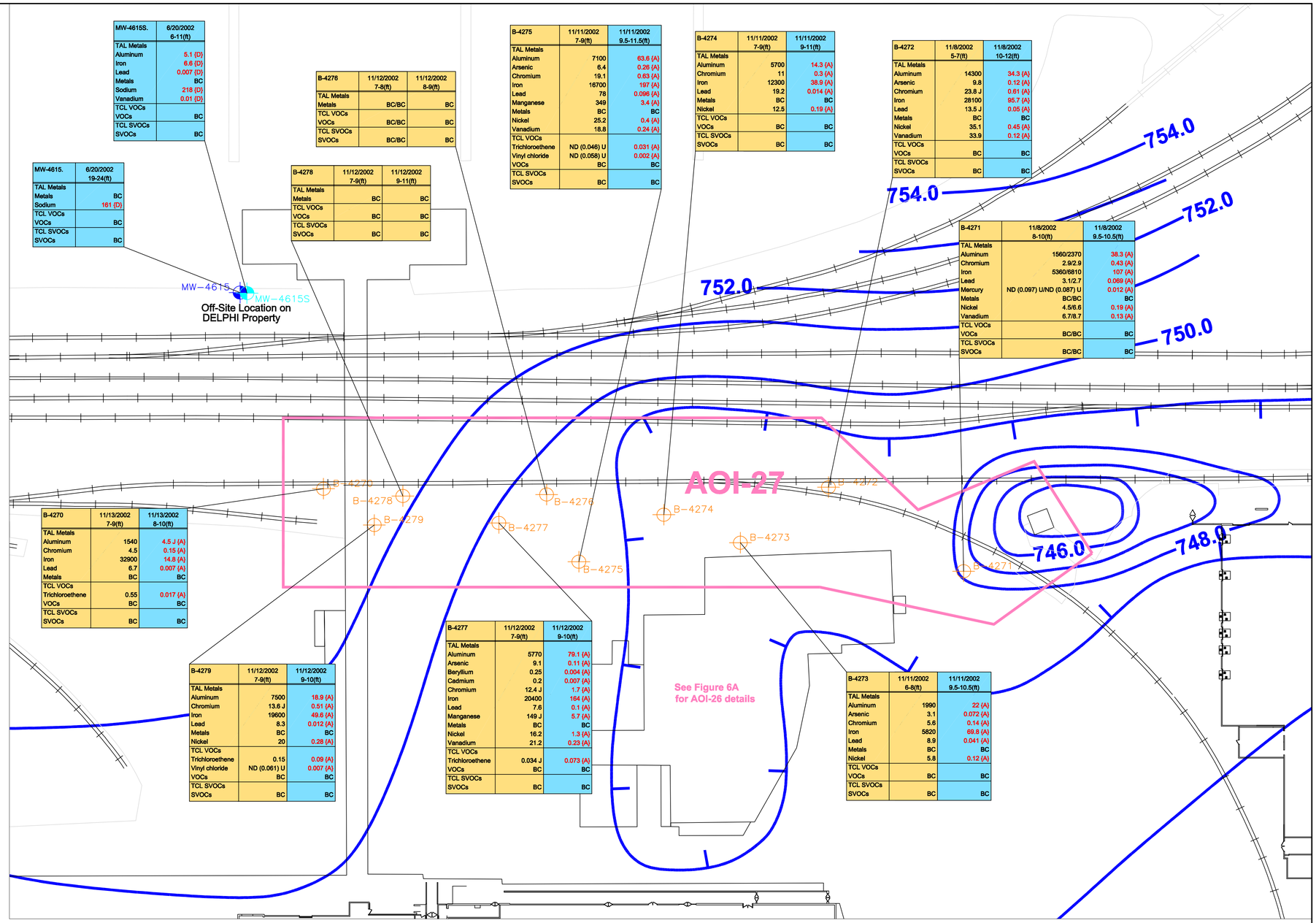


SCREENING CRITERIA FOR SOIL								
Constituent	Background (mg/kg)	Industrial Direct Contact (mg/kg)	Part 201 Industrial Volatization to Indoor Air (mg/kg)	Site-Specific Industrial Volatization to Indoor Air (mg/kg)	Industrial Volatization to Ambient Air Infinite Source (mg/kg)	Industrial Particulate Inhalation (mg/kg)	Residential Drinking Water Protection (mg/kg)	Industrial Drinking Water Protection (mg/kg)
Arsenic	6.8	37	-	-	-	910	23	23
Lead	67.8	900	-	-	-	44,000	700	700
1,1-Dichloroethene	-	570	0.33	700	3.7	78,000	0.14	0.14
Trichloroethene	-	500	37	38,700	260	2,300,000	0.1	0.1
Xylenes (total)	-	150	150	187,000	54,000	130,000,000	5.6	5.6
Benzo(a)pyrene	-	8	-	-	-	1,900	-	-

Notes:
1. See Appendix C for Residential (Off-Site) Screening Criteria.

SCREENING CRITERIA FOR GROUNDWATER								
Constituent	Residential Drinking Water(1) (mg/L)	Industrial Drinking Water(2) (mg/L)	Direct Contact(1,2) (mg/L)	Part 201 Residential Volatization to Indoor Air(1) (mg/L)	Part 201 Industrial Volatization to Indoor Air(2) (mg/L)	Site-Specific Residential Volatization to Indoor Air(1) (mg/L)	Site-Specific Industrial Volatization to Indoor Air(2) (mg/L)
Aluminum	0.3	4.1	64,000	-	-	-	-
Antimony	0.006	0.006	68	-	-	-	-
Arsenic	0.05	0.05	4.3	-	-	-	-
Barium	2	2	14,000	-	-	-	-
Beryllium	0.004	0.004	290	-	-	-	-
Cadmium	0.005	0.005	190	-	-	-	-
Chromium (total)	0.1	0.1	460	-	-	-	-
Chromium VI	0.1	0.1	460	-	-	-	-
Cobalt	0.04	0.1	2,400	-	-	-	-
Iron	2	5.6	58,000	-	-	-	-
Lead	0.004	0.004	-	-	-	-	-
Manganese	0.86	2.5	9,100	-	-	-	-
Mercury	0.002	0.002	0.056	0.056	0.056	0.398	45.8
Nickel	0.1	0.1	74,000	-	-	-	-
Sodium	120	350	1,000,000	-	-	-	-
Thallium	0.002	0.002	13	-	-	-	-
Vanadium	0.0045	0.062	970	-	-	-	-
Benzene	0.005	0.005	11	5.6	35	3.37	4,340
Carbon Tetrachloride	0.005	0.005	4.6	0.37	2.4	0.705	8,220
Chloroform	0.1	0.1	150	28	180	1.52	16,700
1,2-Dichlorobenzene	0.6	0.6	160	160	160	547	465,000
1,3-Dichlorobenzene	0.0066	0.019	2	-	-	272	-
1,4-Dichlorobenzene	0.075	0.075	6.4	16	74	8.38	1,170,000
1,2-Dichloroethane	0.005	0.005	19	9.6	59	4.04	18,400
1,1-Dichloroethane	0.88	2.5	2,400	1,000	2,300	560	543,000
1,1-Dichloroethene	0.007	0.007	11	0.2	1.3	86.9	12,000
cis-1,2-Dichloroethene	0.07	0.07	200	93	210	48.6	1,280,000
trans-1,2-Dichloroethene	0.1	0.1	220	85	200	53.4	766,000
Ethylbenzene	0.7	0.7	170	110	170	987	556,000
Methylene Chloride	0.005	0.005	220	220	1,400	109	206,000
Toluene	1	1	530	530	530	417	488,000
1,1,1-Trichloroethane	0.2	0.2	1,300	660	1,300	1,310	1,560,000
Trichloroethene	0.005	0.005	22	15	97	10.8	276,000
Vinyl Chloride	0.002	0.002	1	1.1	13	1.01	1,310
Xylenes (total)	10	10	190	190	190	104	569,000
Benzo(a)pyrene	0.005	0.005	0.002	-	-	85.5	-
Benzo(b)fluoranthene	0.002	0.002	0.002	-	-	4.13	-
Benzo(g,h,i)perylene	0.005	0.005	0.005	-	-	468,000	-
Benzo(k)fluoranthene	0.005	0.005	0.005	-	-	4,950	-
bis(2-Ethylhexyl)phthalate	0.006	0.006	0.32	-	-	179,000	156,000,000
Chrysene	0.005	0.005	0.005	-	-	474	-
Dibenzo(a,h)anthracene	0.002	0.002	0.002	-	-	499	-
Indeno(1,2,3-cd)pyrene	0.002	0.002	0.002	-	-	257	-
Pentachlorophenol	0.001	0.001	0.2	-	-	24,800	61,200,000

Notes:
(1) Screening criteria used for comparison for off-site locations.
(2) Screening criteria used for comparison for on-site locations.



NOTES:
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   GROUNDWATER ANALYTICAL RESULTS (BLUE BOX) ARE REPORTED IN MG/L.
3. ND - INDICATES COMPOUND WAS ANALYZED FOR BUT NOT DETECTED.
   J - INDICATES ESTIMATE VALUE.
   ND ( )J- INDICATES ESTIMATED REPORTING LIMIT.
   D - USED IN PRE-RFI DATA, INDICATES THE ANALYSIS WAS A DILUTION.
   NS - INDICATES THE COMPOUND WAS NOT ANALYZED.
   NA - NOT AVAILABLE, ASSOCIATED WITH PRE-RFI DATA.
   BC - BELOW CRITERIA OR NOT DETECTED
   / - INDICATES DUPLICATE SAMPLE PAIRS.
   FPT - FREE PRODUCT THICKNESS, FP ND - FREE PRODUCT NOT DETECTED
4. SOIL SCREENING CRITERIA CODES ARE SHOWN IN { }.
   A - EXCEEDS INDUSTRIAL DIRECT CONTACT SCREENING CRITERIA
   D - EXCEEDS INDUSTRIAL VOLATILIZATION TO AMBIENT AIR SCREENING CRITERIA
5. GROUNDWATER SCREENING CRITERIA CODES ARE SHOWN IN { }.
   A - EXCEEDS INDUSTRIAL DRINKING WATER SCREENING CRITERIA
   B - EXCEEDS GW CONTACT SCREENING CRITERIA
   D - EXCEEDS RESIDENTIAL DRINKING WATER SCREENING CRITERIA
   F - EXCEEDS RESIDENTIAL VOLATILIZATION TO INDOOR AIR SCREENING CRITERIA
6. OFF-SITE LOCATIONS SAMPLED TO DATE ARE LOCATED ON COMMERCIAL OR INDUSTRIAL PROPERTIES, HOWEVER, DATA FROM OFF-SITE LOCATIONS ARE CONSERVATIVELY COMPARED WITH RESIDENTIAL SCREENING CRITERIA LISTED IN APPENDIX C.
7. INFERRED GROUNDWATER FLOW IS BASED ON SITE-WIDE POTENTIOMETRIC SURFACE CONTOURS FOR ZONE 1 AS SHOWN IN FIGURE 15. ALSO SEE FIGURE 14 FOR ZONE 2 CONTOURS.

LEGEND:
- MONITORING WELL SCREENED IN ZONE 1
- MONITORING WELL SCREENED IN ZONE 2
- APPROXIMATE LOCATION OF AOI BORING LOCATION
- ABANDONED MONITORING WELL
- APPROXIMATE LOCATION OF GEOPROBE DELINEATION OF SAMPLES
- PRE RFI SAMPLE LOCATION
- PIEZOMETER
- DNAPL DELINEATION BORING
- ESTIMATED POTENTIOMETRIC JUNE 2004 ZONE 1 SURFACE CONTOURS (SEE FIGURE 14 FOR ZONE 2)

0 40 80 120
SCALE IN FEET

N

HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

DELPHI CORPORATION
FLINT-EAST, PLANT 400
DORT HIGHWAY
FLINT, MICHIGAN

SCREENING RESULTS FOR
AOI-27 EASTERN PROCESS SEWER

SCALE: AS SHOWN
SEPTEMBER 2002

FIGURE 8A

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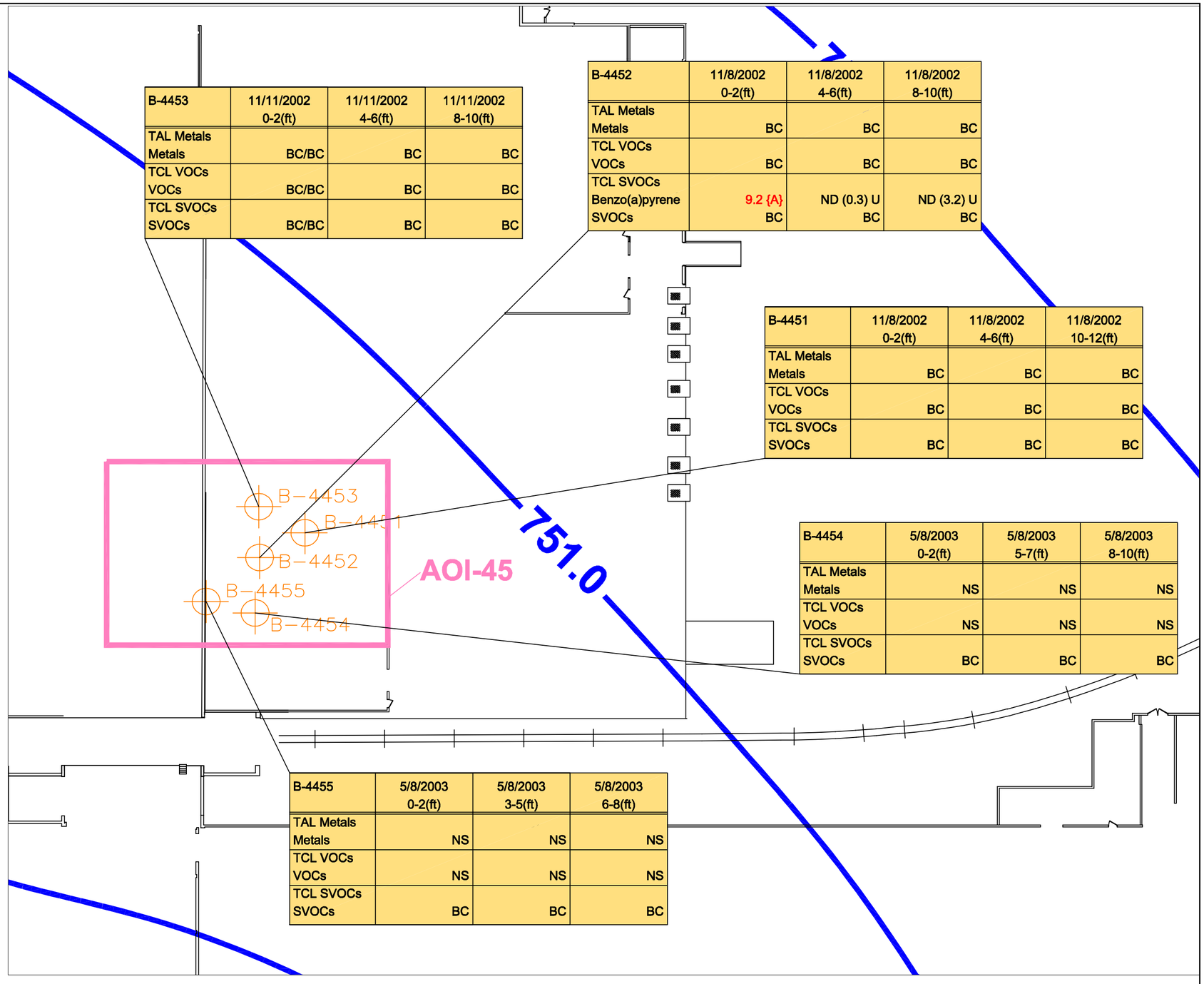
SCREENING CRITERIA FOR SOIL								
Constituent	Background (mg/kg)	Industrial Direct Contact (mg/kg)	Part 201 Industrial Volatization to Indoor Air (mg/kg)	Site-Specific Industrial Volatization to Indoor Air (mg/kg)	Industrial Volatization to Ambient Air Infinite Source (mg/kg)	Industrial Particulate Inhalation (mg/kg)	Residential Drinking Water Protection (mg/kg)	Industrial Drinking Water Protection (mg/kg)
Arsenic	6.8	37	-	-	-	910	23	23
Lead	67.8	900	-	-	-	44,000	700	700
1,1-Dichloroethene	-	570	0.33	700	3.7	78,000	0.14	0.14
Trichloroethene	-	500	37	38,700	260	2,300,000	0.1	0.1
Xylenes (total)	-	150	150	187,000	54,000	130,000,000	5.6	5.6
Benzo(a)pyrene	-	8	-	-	-	1,900	-	-

Notes:
1. See Appendix C for Residential (Off-Site) Screening Criteria.

SCREENING CRITERIA FOR GROUNDWATER							
Constituent	Residential Drinking Water(1) (mg/L)	Industrial Drinking Water(2) (mg/L)	Direct Contact(1,2) (mg/L)	Part 201 Residential Volatization to Indoor Air(1) (mg/L)	Part 201 Industrial Volatization to Indoor Air(2) (mg/L)	Site-Specific Residential Volatization to Indoor Air(1) (mg/L)	Site-Specific Industrial Volatization to Indoor Air(2) (mg/L)
Aluminum	0.3	4.1	64,000	-	-	-	-
Antimony	0.006	0.006	68	-	-	-	-
Arsenic	0.05	0.05	4.3	-	-	-	-
Barium	2	2	14,000	-	-	-	-
Beryllium	0.004	0.004	290	-	-	-	-
Cadmium	0.005	0.005	190	-	-	-	-
Chromium (total)	0.1	0.1	460	-	-	-	-
Chromium VI	0.1	0.1	460	-	-	-	-
Cobalt	0.04	0.1	2,400	-	-	-	-
Iron	2	5.6	58,000	-	-	-	-
Lead	0.004	0.004	-	-	-	-	-
Manganese	0.86	2.5	9,100	-	-	-	-
Mercury	0.002	0.002	0.056	0.056	0.056	0.398	45.8
Nickel	0.1	0.1	74,000	-	-	-	-
Sodium	120	350	1,000,000	-	-	-	-
Thallium	0.002	0.002	13	-	-	-	-
Vanadium	0.0045	0.062	970	-	-	-	-
Benzene	0.005	0.005	11	5.6	35	3.37	4,340
Carbon Tetrachloride	0.005	0.005	4.6	0.37	2.4	0.705	8,220
Chloroform	0.1	0.1	150	28	180	1.52	16,700
1,2-Dichlorobenzene	0.6	0.6	160	160	160	547	465,000
1,3-Dichlorobenzene	0.0066	0.019	2	-	-	272	-
1,4-Dichlorobenzene	0.075	0.075	6.4	16	74	8.38	1,170,000
1,2-Dichloroethane	0.005	0.005	19	9.6	59	4.04	18,400
1,1-Dichloroethane	0.88	2.5	2,400	1,000	2,300	560	543,000
1,1-Dichloroethene	0.007	0.007	11	0.2	1.3	86.9	12,000
cis-1,2-Dichloroethene	0.07	0.07	200	93	210	48.6	1,280,000
trans-1,2-Dichloroethene	0.1	0.1	220	85	200	53.4	766,000
Ethylbenzene	0.7	0.7	170	110	170	987	556,000
Methylene Chloride	0.005	0.005	220	220	1,400	109	206,000
Toluene	1	1	530	530	530	417	488,000
1,1,1-Trichloroethane	0.2	0.2	1,300	660	1,300	1,310	1,560,000
Trichloroethene	0.005	0.005	22	15	97	10.8	276,000
Vinyl Chloride	0.002	0.002	1	1.1	13	1.01	1,310
Xylenes (total)	10	10	190	190	190	104	569,000
Benzo(a)pyrene	0.005	0.005	0.002	-	-	85.5	-
Benzo(b)fluoranthene	0.002	0.002	0.002	-	-	4.13	-
Benzo(g,h,i)perylene	0.005	0.005	0.005	-	-	468,000	-
Benzo(k)fluoranthene	0.005	0.005	0.005	-	-	4,950	-
bis(2-Ethylhexyl)phthalate	0.006	0.006	0.32	-	-	179,000	156,000,000
Chrysene	0.005	0.005	0.005	-	-	474	-
Dibenzo(a,h)anthracene	0.002	0.002	0.002	-	-	499	-
Indeno(1,2,3-cd)pyrene	0.002	0.002	0.002	-	-	257	-
Pentachlorophenol	0.001	0.001	0.2	-	-	24,800	61,200,000

Notes:
(1) Screening criteria used for comparison for off-site locations.
(2) Screening criteria used for comparison for on-site locations.



B-4453	11/11/2002 0-2(ft)	11/11/2002 4-6(ft)	11/11/2002 8-10(ft)
TAL Metals			
Metals	BC/BC	BC	BC
TCL VOCs			
VOCs	BC/BC	BC	BC
TCL SVOCs			
SVOCs	BC/BC	BC	BC

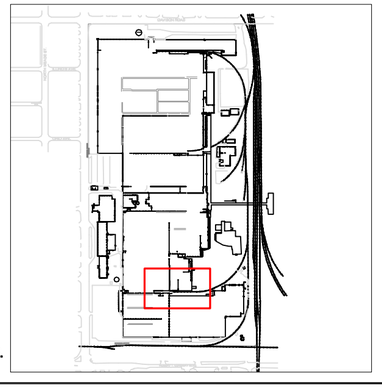
B-4452	11/8/2002 0-2(ft)	11/8/2002 4-6(ft)	11/8/2002 8-10(ft)
TAL Metals			
Metals	BC	BC	BC
TCL VOCs			
VOCs	BC	BC	BC
TCL SVOCs			
Benzo(a)pyrene	9.2 {A}	ND (0.3) U	ND (3.2) U
SVOCs	BC	BC	BC

B-4451	11/8/2002 0-2(ft)	11/8/2002 4-6(ft)	11/8/2002 10-12(ft)
TAL Metals			
Metals	BC	BC	BC
TCL VOCs			
VOCs	BC	BC	BC
TCL SVOCs			
SVOCs	BC	BC	BC

B-4454	5/8/2003 0-2(ft)	5/8/2003 5-7(ft)	5/8/2003 8-10(ft)
TAL Metals			
Metals	NS	NS	NS
TCL VOCs			
VOCs	NS	NS	NS
TCL SVOCs			
SVOCs	BC	BC	BC

B-4455	5/8/2003 0-2(ft)	5/8/2003 3-5(ft)	5/8/2003 6-8(ft)
TAL Metals			
Metals	NS	NS	NS
TCL VOCs			
VOCs	NS	NS	NS
TCL SVOCs			
SVOCs	BC	BC	BC

NOTES:
1. PLAN BASED ON PLAN PROVIDED BY DELPHI CORPORATION.
2. SOIL ANALYTICAL RESULTS (ORANGE BOX) ARE REPORTED IN MG/KG.
   GROUNDWATER ANALYTICAL RESULTS (BLUE BOX) ARE REPORTED IN MG/L.
3. ND - INDICATES COMPOUND WAS ANALYZED FOR BUT NOT DETECTED.
   J - INDICATES ESTIMATE VALUE.
   ND ( )J- INDICATES ESTIMATED REPORTING LIMIT.
   D - USED IN PRE-RFI DATA, INDICATES THE ANALYSIS WAS A DILUTION.
   NS - INDICATES THE COMPOUND WAS NOT ANALYZED.
   NA - NOT AVAILABLE, ASSOCIATED WITH PRE-RFI DATA.
   BC - BELOW CRITERIA OR NOT DETECTED
   / - INDICATES DUPLICATE SAMPLE PAIRS.
   FPT - FREE PRODUCT THICKNESS, FP ND - FREE PRODUCT NOT DETECTED
4. SOIL SCREENING CRITERIA CODES ARE SHOWN IN { }.
   A - EXCEEDS INDUSTRIAL DIRECT CONTACT SCREENING CRITERIA
   D - EXCEEDS INDUSTRIAL VOLATILIZATION TO AMBIENT AIR SCREENING CRITERIA
5. GROUNDWATER SCREENING CRITERIA CODES ARE SHOWN IN { }.
   A - EXCEEDS INDUSTRIAL DRINKING WATER SCREENING CRITERIA
   B - EXCEEDS GW CONTACT SCREENING CRITERIA
   D - EXCEEDS RESIDENTIAL DRINKING WATER SCREENING CRITERIA
   F - EXCEEDS RESIDENTIAL VOLATILIZATION TO INDOOR AIR SCREENING CRITERIA
6. OFF-SITE LOCATIONS SAMPLED TO DATE ARE LOCATED ON COMMERCIAL OR INDUSTRIAL PROPERTIES. HOWEVER, DATA FROM OFF-SITE LOCATIONS ARE CONSERVATIVELY COMPARED WITH RESIDENTIAL SCREENING CRITERIA LISTED IN APPENDIX C.
7. INFERRED GROUNDWATER FLOW IS BASED ON SITE-WIDE POTENTIOMETRIC SURFACE CONTOURS FOR ZONE 1 AS SHOWN IN FIGURE 15. ALSO SEE FIGURE 14 FOR ZONE 2 CONTOURS.



LEGEND:
- MONITORING WELL SCREENED IN ZONE 1
- MONITORING WELL SCREENED IN ZONE 2
- APPROXIMATE LOCATION OF AOI BORING LOCATION
- ABANDONED MONITORING WELL
- APPROXIMATE LOCATION OF GEOPROBE DELINEATION OF SAMPLES
- PRE RFI SAMPLE LOCATION
- PIEZOMETER
- DNAPL DELINEATION BORING
- ESTIMATED POTENTIOMETRIC JUNE 2004 ZONE 1 SURFACE CONTOURS (SEE FIGURE 14 FOR ZONE 2)

- N -

0 30 60 90
SCALE IN FEET

HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

DELPHI CORPORATION
FLINT-EAST, PLANT 400
DORT HIGHWAY
FLINT, MICHIGAN

SCREENING RESULTS FOR
AOI-45 COMPACTOR

SCALE: AS SHOWN
DECEMBER 2004

FIGURE 9A

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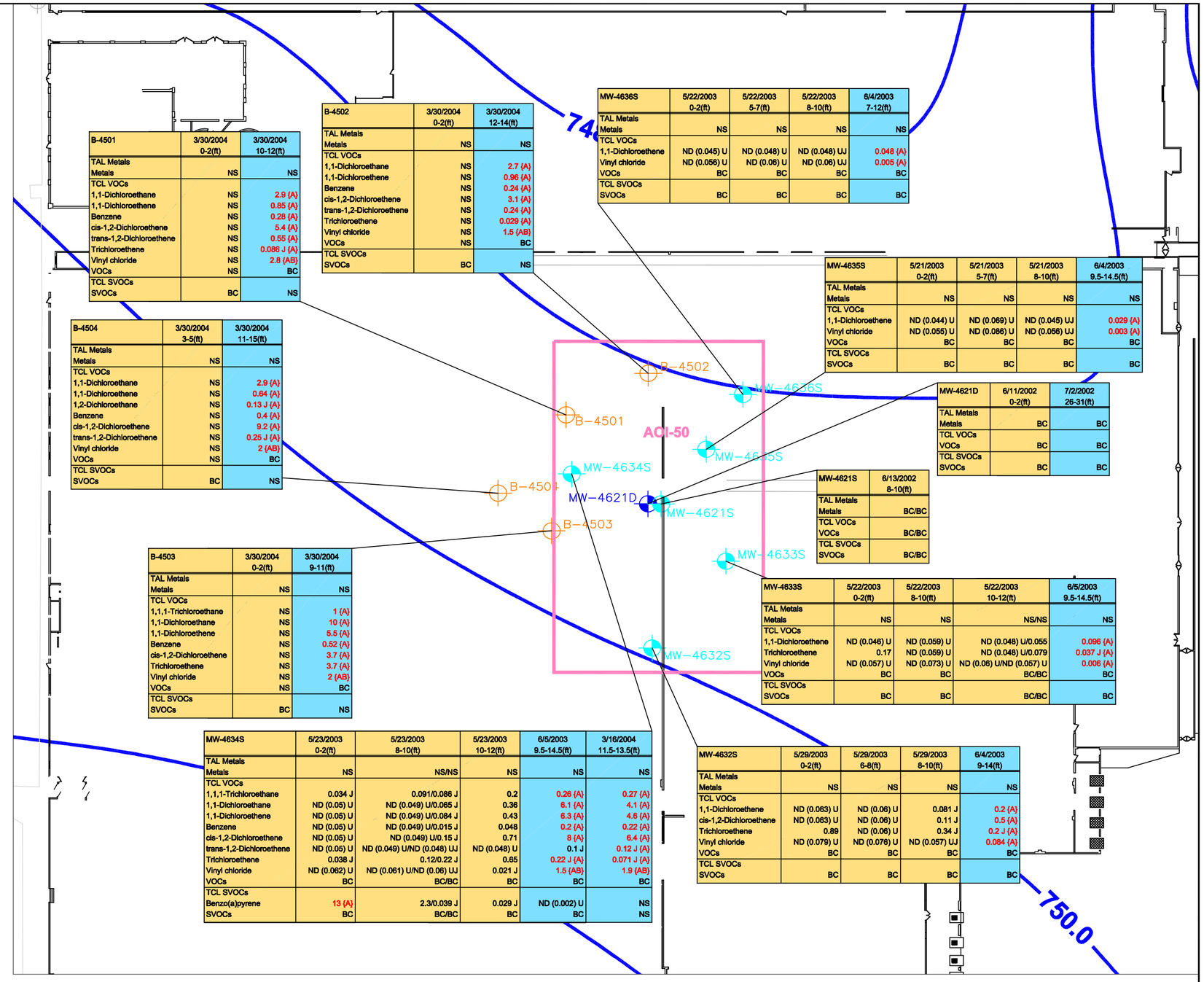
SCREENING CRITERIA FOR SOIL								
Constituent	Background (mg/kg)	Industrial Direct Contact (mg/kg)	Part 201 Industrial Volatization to Indoor Air (mg/kg)	Site-Specific Industrial Volatization to Indoor Air (mg/kg)	Industrial Volatization to Ambient Air Infinite Source (mg/kg)	Industrial Particulate Inhalation (mg/kg)	Residential Drinking Water Protection (mg/kg)	Industrial Drinking Water Protection (mg/kg)
Arsenic	6.8	37	-	-	-	910	23	23
Lead	67.8	900	-	-	-	44,000	700	700
1,1-Dichloroethene	-	570	0.33	700	3.7	78,000	0.14	0.14
Trichloroethene	-	500	37	38,700	260	2,300,000	0.1	0.1
Xylenes (total)	-	150	150	187,000	54,000	130,000,000	5.6	5.6
Benzo(a)pyrene	-	8	-	-	-	1,900	-	-

Notes:
1. See Appendix C for Residential (Off-Site) Screening Criteria.

SCREENING CRITERIA FOR GROUNDWATER							
Constituent	Residential Drinking Water(1) (mg/L)	Industrial Drinking Water(2) (mg/L)	Direct Contact(1,2) (mg/L)	Part 201 Residential Volatization to Indoor Air(1) (mg/L)	Part 201 Industrial Volatization to Indoor Air(2) (mg/L)	Site-Specific Residential Volatization to Indoor Air(1) (mg/L)	Site-Specific Industrial Volatization to Indoor Air(2) (mg/L)
Aluminum	0.3	4.1	64,000	-	-	-	-
Antimony	0.006	0.006	68	-	-	-	-
Arsenic	0.05	0.05	4.3	-	-	-	-
Barium	2	2	14,000	-	-	-	-
Beryllium	0.004	0.004	290	-	-	-	-
Cadmium	0.005	0.005	190	-	-	-	-
Chromium (total)	0.1	0.1	460	-	-	-	-
Chromium VI	0.1	0.1	460	-	-	-	-
Cobalt	0.04	0.1	2,400	-	-	-	-
Iron	2	5.6	58,000	-	-	-	-
Lead	0.004	0.004	-	-	-	-	-
Manganese	0.86	2.5	9,100	-	-	-	-
Mercury	0.002	0.002	0.056	0.056	0.056	0.398	45.8
Nickel	0.1	0.1	74,000	-	-	-	-
Sodium	120	350	1,000,000	-	-	-	-
Thallium	0.002	0.002	13	-	-	-	-
Vanadium	0.0045	0.062	970	-	-	-	-
Benzene	0.005	0.005	11	5.6	35	3.37	4,340
Carbon Tetrachloride	0.005	0.005	4.6	0.37	2.4	0.705	8,220
Chloroform	0.1	0.1	150	28	180	1.52	16,700
1,2-Dichlorobenzene	0.6	0.6	160	160	160	547	465,000
1,3-Dichlorobenzene	0.0066	0.019	2	-	-	272	-
1,4-Dichlorobenzene	0.075	0.075	6.4	16	74	8.38	1,170,000
1,2-Dichloroethane	0.005	0.005	19	9.6	59	4.04	18,400
1,1-Dichloroethane	0.88	2.5	2,400	1,000	2,300	560	543,000
1,1-Dichloroethene	0.007	0.007	11	0.2	1.3	86.9	12,000
cis-1,2-Dichloroethene	0.07	0.07	200	93	210	48.6	1,280,000
trans-1,2-Dichloroethene	0.1	0.1	220	85	200	53.4	766,000
Ethylbenzene	0.7	0.7	170	110	170	987	556,000
Methylene Chloride	0.005	0.005	220	220	1,400	109	206,000
Toluene	1	1	530	530	530	417	488,000
1,1,1-Trichloroethane	0.2	0.2	1,300	660	1,300	1,310	1,560,000
Trichloroethene	0.005	0.005	22	15	97	10.8	276,000
Vinyl Chloride	0.002	0.002	1	1.1	13	1.01	1,310
Xylenes (total)	10	10	190	190	190	104	569,000
Benzo(a)pyrene	0.005	0.005	0.002	-	-	85.5	-
Benzo(b)fluoranthene	0.002	0.002	0.002	-	-	4.13	-
Benzo(g,h,i)perylene	0.005	0.005	0.005	-	-	468,000	-
Benzo(k)fluoranthene	0.005	0.005	0.005	-	-	4,950	-
bis(2-Ethylhexyl)phthalate	0.006	0.006	0.32	-	-	179,000	156,000,000
Chrysene	0.005	0.005	0.005	-	-	474	-
Dibenzo(a,h)anthracene	0.002	0.002	0.002	-	-	499	-
Indeno(1,2,3-cd)pyrene	0.002	0.002	0.002	-	-	257	-
Pentachlorophenol	0.001	0.001	0.2	-	-	24,800	61,200,000

Notes:
(1) Screening criteria used for comparison for off-site locations.
(2) Screening criteria used for comparison for on-site locations.



B-4501	3/30/2004 0-2(ft)	3/30/2004 10-12(ft)
TAL Metals		
Metals	NS	NS
TCL VOCs		
1,1-Dichloroethane	NS	2.9 {A}
1,1-Dichloroethene	NS	0.85 {A}
Benzene	NS	0.28 {A}
cis-1,2-Dichloroethene	NS	5.4 {A}
trans-1,2-Dichloroethene	NS	0.55 {A}
Trichloroethene	NS	0.086 J {A}
Vinyl chloride	NS	2.8 {AB}
VOCs	NS	BC
TCL SVOCs		
SVOCs	BC	NS

B-4502	3/30/2004 0-2(ft)	3/30/2004 12-14(ft)
TAL Metals		
Metals	NS	NS
TCL VOCs		
1,1-Dichloroethane	NS	2.7 {A}
1,1-Dichloroethene	NS	0.96 {A}
Benzene	NS	0.24 {A}
cis-1,2-Dichloroethene	NS	3.1 {A}
trans-1,2-Dichloroethene	NS	0.24 {A}
Trichloroethene	NS	0.029 {A}
Vinyl chloride	NS	1.5 {AB}
VOCs	NS	BC
TCL SVOCs		
SVOCs	BC	NS

MW-4636S	5/22/2003 0-2(ft)	5/22/2003 5-7(ft)	5/22/2003 8-10(ft)	6/4/2003 7-12(ft)
TAL Metals				
Metals	NS	NS	NS	NS
TCL VOCs				
1,1-Dichloroethene	ND (0.045) U	ND (0.048) U	ND (0.048) UJ	0.048 {A}
Vinyl chloride	ND (0.056) U	ND (0.06) U	ND (0.06) UJ	0.005 {A}
VOCs	BC	BC	BC	BC
TCL SVOCs				
SVOCs	BC	BC	BC	BC

MW-4635S	5/21/2003 0-2(ft)	5/21/2003 5-7(ft)	5/21/2003 8-10(ft)	6/4/2003 9.5-14.5(ft)
TAL Metals				
Metals	NS	NS	NS	NS
TCL VOCs				
1,1-Dichloroethene	ND (0.044) U	ND (0.069) U	ND (0.045) UJ	0.029 {A}
Vinyl chloride	ND (0.055) U	ND (0.086) U	ND (0.056) UJ	0.003 {A}
VOCs	BC	BC	BC	BC
TCL SVOCs				
SVOCs	BC	BC	BC	BC

B-4504	3/30/2004 3-5(ft)	3/30/2004 11-15(ft)
TAL Metals		
Metals	NS	NS
TCL VOCs		
1,1-Dichloroethane	NS	2.9 {A}
1,1-Dichloroethene	NS	0.64 {A}
1,2-Dichloroethane	NS	0.13 J {A}
Benzene	NS	0.4 {A}
cis-1,2-Dichloroethene	NS	9.2 {A}
trans-1,2-Dichloroethene	NS	0.25 J {A}
Vinyl chloride	NS	2 {AB}
VOCs	NS	BC
TCL SVOCs		
SVOCs	BC	NS

MW-4621D	6/11/2002 0-2(ft)	7/2/2002 26-31(ft)
TAL Metals		
Metals	BC	BC
TCL VOCs		
VOCs	BC	BC
TCL SVOCs		
SVOCs	BC	BC

MW-4621S	6/13/2002 8-10(ft)
TAL Metals	
Metals	BC/BC
TCL VOCs	
VOCs	BC/BC
TCL SVOCs	
SVOCs	BC/BC

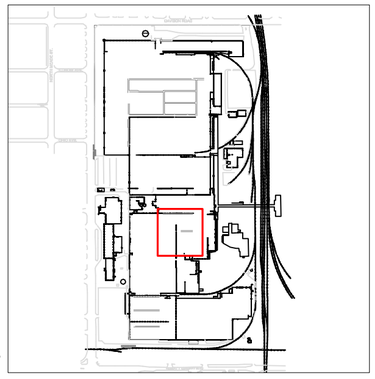
B-4503	3/30/2004 0-2(ft)	3/30/2004 9-11(ft)
TAL Metals		
Metals	NS	NS
TCL VOCs		
1,1,1-Trichloroethane	NS	1 {A}
1,1-Dichloroethane	NS	10 {A}
1,1-Dichloroethene	NS	5.5 {A}
Benzene	NS	0.52 {A}
cis-1,2-Dichloroethene	NS	3.7 {A}
Trichloroethene	NS	3.7 {A}
Vinyl chloride	NS	2 {AB}
VOCs	NS	BC
TCL SVOCs		
SVOCs	BC	NS

MW-4633S	5/22/2003 0-2(ft)	5/22/2003 8-10(ft)	5/22/2003 10-12(ft)	6/5/2003 9.5-14.5(ft)
TAL Metals				
Metals	NS	NS	NS/NS	NS
TCL VOCs				
1,1-Dichloroethene	ND (0.046) U	ND (0.059) U	ND (0.048) U/0.055	0.096 {A}
Trichloroethene	0.17	ND (0.059) U	ND (0.048) U/0.079	0.037 J {A}
Vinyl chloride	ND (0.057) U	ND (0.073) U	ND (0.06) U/ND (0.057) U	0.006 {A}
VOCs	BC	BC	BC/BC	BC
TCL SVOCs				
SVOCs	BC	BC	BC/BC	BC

MW-4634S	5/23/2003 0-2(ft)	5/23/2003 8-10(ft)	5/23/2003 10-12(ft)	6/5/2003 9.5-14.5(ft)	3/16/2004 11.5-13.5(ft)
TAL Metals					
Metals	NS	NS/NS	NS	NS	NS
TCL VOCs					
1,1,1-Trichloroethane	0.034 J	0.091/0.086 J	0.2	0.26 {A}	0.27 {A}
1,1-Dichloroethane	ND (0.05) U	ND (0.049) U/0.065 J	0.36	6.1 {A}	4.1 {A}
1,1-Dichloroethene	ND (0.05) U	ND (0.049) U/0.084 J	0.43	6.3 {A}	4.6 {A}
Benzene	ND (0.05) U	ND (0.049) U/0.015 J	0.048	0.2 {A}	0.22 {A}
cis-1,2-Dichloroethene	ND (0.05) U	ND (0.049) U/0.15 J	0.71	8 {A}	6.4 {A}
trans-1,2-Dichloroethene	ND (0.05) U	ND (0.049) U/ND (0.048) UJ	ND (0.048) U	0.1 J	0.12 J {A}
Trichloroethene	0.038 J	0.12/0.22 J	0.65	0.22 J {A}	0.071 J {A}
Vinyl chloride	ND (0.062) U	ND (0.061) U/ND (0.06) UJ	0.021 J	1.5 {AB}	1.9 {AB}
VOCs	BC	BC/BC	BC	BC	BC
TCL SVOCs					
Benzo(a)pyrene	13 {A}	2.3/0.039 J	0.029 J	ND (0.002) U	NS
SVOCs	BC	BC/BC	BC	BC	NS

MW-4632S	5/29/2003 0-2(ft)	5/29/2003 6-8(ft)	5/29/2003 8-10(ft)	6/4/2003 9-14(ft)
TAL Metals				
Metals	NS	NS	NS	NS
TCL VOCs				
1,1-Dichloroethene	ND (0.063) U	ND (0.06) U	0.081 J	0.2 {A}
cis-1,2-Dichloroethene	ND (0.063) U	ND (0.06) U	0.11 J	0.5 {A}
Trichloroethene	0.89	ND (0.06) U	0.34 J	0.2 J {A}
Vinyl chloride	ND (0.079) U	ND (0.076) U	ND (0.057) UJ	0.084 {A}
VOCs	BC	BC	BC	BC
TCL SVOCs				
SVOCs	BC	BC	BC	BC

NOTES:
1. PLAN BASED ON PLAN PROVIDED BY DELPHI CORPORATION.
2. SOIL ANALYTICAL RESULTS (ORANGE BOX) ARE REPORTED IN MG/KG.
   GROUNDWATER ANALYTICAL RESULTS (BLUE BOX) ARE REPORTED IN MG/L.
3. ND - INDICATES COMPOUND WAS ANALYZED FOR BUT NOT DETECTED.
   J - INDICATES ESTIMATE VALUE.
   ND ( )J- INDICATES ESTIMATED REPORTING LIMIT.
   D - USED IN PRE-RFI DATA, INDICATES THE ANALYSIS WAS A DILUTION.
   NS - INDICATES THE COMPOUND WAS NOT ANALYZED.
   NA - NOT AVAILABLE, ASSOCIATED WITH PRE-RFI DATA.
   BC - BELOW CRITERIA OR NOT DETECTED
   / - INDICATES DUPLICATE SAMPLE PAIRS.
   FPT - FREE PRODUCT THICKNESS, FP ND - FREE PRODUCT NOT DETECTED
4. SOIL SCREENING CRITERIA CODES ARE SHOWN IN { }.
   A - EXCEEDS INDUSTRIAL DIRECT CONTACT SCREENING CRITERIA
   D - EXCEEDS INDUSTRIAL VOLATILIZATION TO AMBIENT AIR SCREENING CRITERIA
5. GROUNDWATER SCREENING CRITERIA CODES ARE SHOWN IN { }.
   A - EXCEEDS INDUSTRIAL DRINKING WATER SCREENING CRITERIA
   B - EXCEEDS GW CONTACT SCREENING CRITERIA
   D - EXCEEDS RESIDENTIAL DRINKING WATER SCREENING CRITERIA
   F - EXCEEDS RESIDENTIAL VOLATILIZATION TO INDOOR AIR SCREENING CRITERIA
6. OFF-SITE LOCATIONS SAMPLED TO DATE ARE LOCATED ON COMMERCIAL OR INDUSTRIAL PROPERTIES. HOWEVER, DATA FROM OFF-SITE LOCATIONS ARE CONSERVATIVELY COMPARED WITH RESIDENTIAL SCREENING CRITERIA LISTED IN APPENDIX C.
7. INFERRED GROUNDWATER FLOW IS BASED ON SITE-WIDE POTENTIOMETRIC SURFACE CONTOURS FOR ZONE 1 AS SHOWN IN FIGURE 15. ALSO SEE FIGURE 14 FOR ZONE 2 CONTOURS.



LEGEND:
- MONITORING WELL SCREENED IN ZONE 1
- MONITORING WELL SCREENED IN ZONE 2
- APPROXIMATE LOCATION OF AOI BORING LOCATION
- ABANDONED MONITORING WELL
- APPROXIMATE LOCATION OF GEOPROBE DELINEATION OF SAMPLES
- PRE RFI SAMPLE LOCATION
- PIEZOMETER
- DNAPL DELINEATION BORING
- ESTIMATED POTENTIOMETRIC JUNE 2004 ZONE 1 SURFACE CONTOURS (SEE FIGURE 14 FOR ZONE 2)

N

0 50 100 150
SCALE IN FEET

HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

DELPHI CORPORATION
FLINT-EAST, PLANT 400
DORT HIGHWAY
FLINT, MICHIGAN

SCREENING RESULTS FOR AOI-50 CRANE BAY

SCALE: AS SHOWN

DECEMBER 2004

FIGURE 10A

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