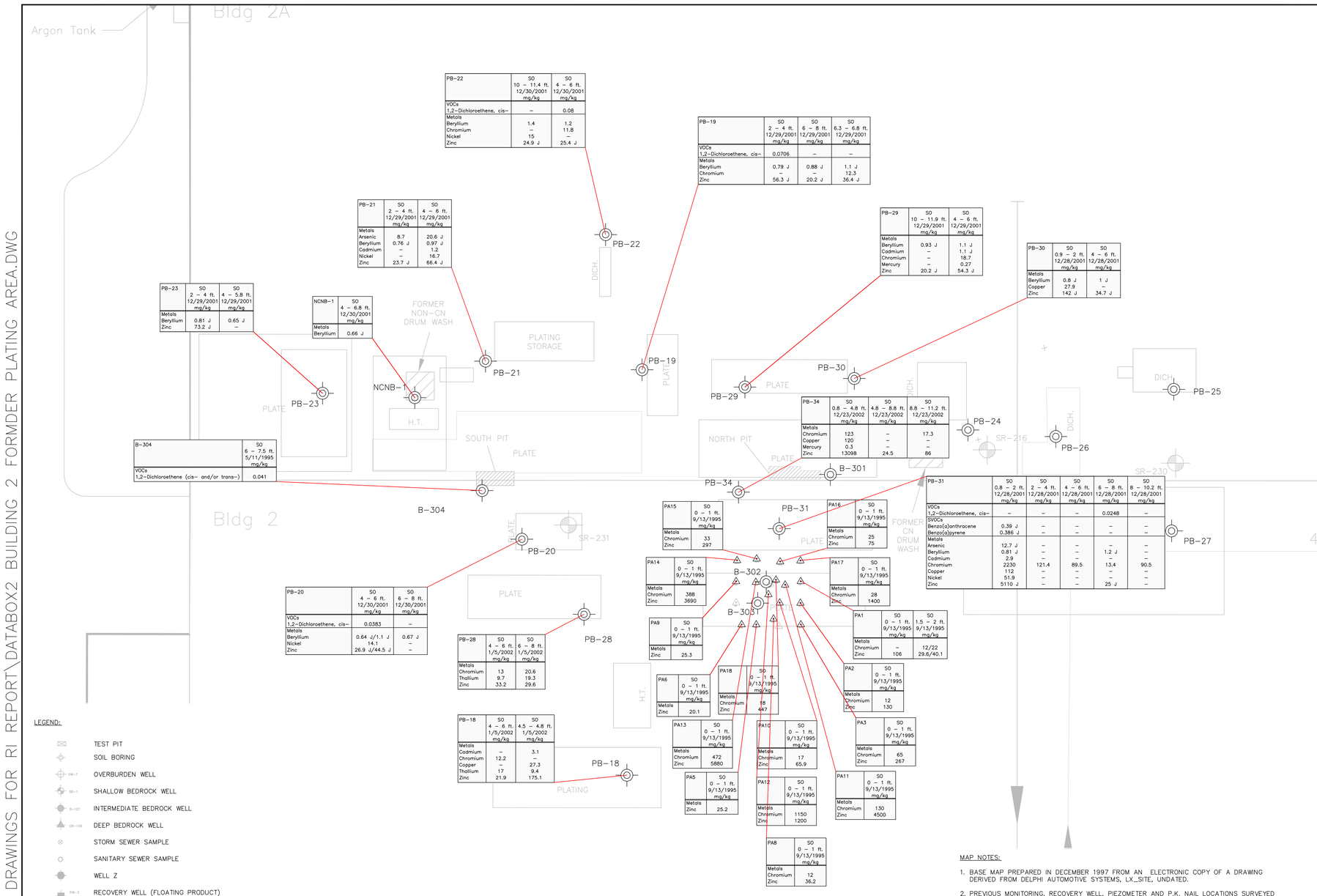
70014-057\DATABOX DRAWINGS FOR RI REPORT\DATABOX2 BUILDING 2 FORMER PLATING AREA.DWG



PB-22	SO 10 – 11.4 ft. 12/30/2001 mg/kg	SO 4 – 6 ft. 12/30/2001 mg/kg
VOCs		
1,2-Dichloroethene, cis-	–	0.08
Metals		
Beryllium	1.4	1.2
Chromium	–	11.8
Nickel	15	–
Zinc	24.9 J	25.4 J

PB-19	SO 2 – 4 ft. 12/29/2001 mg/kg	SO 6 – 8 ft. 12/29/2001 mg/kg	SO 6.3 – 6.8 ft. 12/29/2001 mg/kg
VOCs			
1,2-Dichloroethene, cis-	0.0706	–	–
Metals			
Beryllium	0.79 J	0.88 J	1.1 J
Chromium	–	–	12.3
Zinc	56.3 J	20.2 J	36.4 J

PB-21	SO 2 – 4 ft. 12/29/2001 mg/kg	SO 4 – 6 ft. 12/29/2001 mg/kg
Metals		
Arsenic	8.7	20.6 J
Beryllium	0.76 J	0.97 J
Cadmium	–	1.2
Nickel	–	16.7
Zinc	23.7 J	66.4 J

PB-29	SO 10 – 11.9 ft. 12/29/2001 mg/kg	SO 4 – 6 ft. 12/29/2001 mg/kg
Metals		
Beryllium	0.93 J	1.1 J
Cadmium	–	1.1 J
Chromium	–	18.7
Mercury	–	0.27
Zinc	20.2 J	54.3 J

PB-30	SO 0.9 – 2 ft. 12/28/2001 mg/kg	SO 4 – 6 ft. 12/28/2001 mg/kg
Metals		
Beryllium	0.8 J	1 J
Copper	27.9	–
Zinc	142 J	34.7 J

PB-23	SO 2 – 4 ft. 12/29/2001 mg/kg	SO 4 – 5.8 ft. 12/29/2001 mg/kg
Metals		
Beryllium	0.81 J	0.65 J
Zinc	73.2 J	–

NCNB-1	SO 4 – 6.8 ft. 12/30/2001 mg/kg
Metals	
Beryllium	0.66 J

PB-34	SO 0.8 – 4.8 ft. 12/23/2002 mg/kg	SO 4.8 – 8.8 ft. 12/23/2002 mg/kg	SO 8.8 – 11.2 ft. 12/23/2002 mg/kg
Metals			
Chromium	123	–	17.3
Copper	120	–	–
Mercury	0.3	–	–
Zinc	13098	24.5	86

B-304	SO 6 – 7.5 ft. 5/11/1995 mg/kg
VOCs	
1,2-Dichloroethene (cis- and/or trans-)	0.041

PB-31	SO 0.8 – 2 ft. 12/28/2001 mg/kg	SO 2 – 4 ft. 12/28/2001 mg/kg	SO 4 – 6 ft. 12/28/2001 mg/kg	SO 6 – 8 ft. 12/28/2001 mg/kg	SO 8 – 10.2 ft. 12/28/2001 mg/kg
VOCs					
1,2-Dichloroethene, cis-	–	–	–	0.0248	–
SVOCs					
Benzo(a)anthracene	0.39 J	–	–	–	–
Benzo(a)pyrene	0.386 J	–	–	–	–
Metals					
Arsenic	12.7 J	–	–	–	–
Beryllium	0.81 J	–	–	1.2 J	–
Cadmium	2.9	–	–	–	–
Chromium	2230	121.4	89.5	13.4	90.5
Copper	112	–	–	–	–
Nickel	51.9	–	–	–	–
Zinc	5110 J	–	–	25 J	–

PA15	SO 0 – 1 ft. 9/13/1995 mg/kg
Metals	
Chromium	33
Zinc	297

PA16	SO 0 – 1 ft. 9/13/1995 mg/kg
Metals	
Chromium	25
Zinc	75

PA14	SO 0 – 1 ft. 9/13/1995 mg/kg
Metals	
Chromium	388
Zinc	3690

PA17	SO 0 – 1 ft. 9/13/1995 mg/kg
Metals	
Chromium	28
Zinc	1400

PB-20	SO 4 – 6 ft. 12/30/2001 mg/kg	SO 6 – 8 ft. 12/30/2001 mg/kg
VOCs		
1,2-Dichloroethene, cis-	0.0383	–
Metals		
Beryllium	0.64 J/1.1 J	0.67 J
Nickel	14.1	–
Zinc	26.9 J/44.5 J	–

PB-28	SO 4 – 6 ft. 1/5/2002 mg/kg	SO 6 – 8 ft. 1/5/2002 mg/kg
Metals		
Chromium	13	20.6
Thallium	9.7	19.3
Zinc	33.2	29.6

PA9	SO 0 – 1 ft. 9/13/1995 mg/kg
Metals	
Zinc	25.3

PA1	SO 0 – 1 ft. 9/13/1995 mg/kg	SO 1.5 – 2 ft. 9/13/1995 mg/kg
Metals		
Chromium	–	12/22
Zinc	106	29.6/40.1

PA6	SO 0 – 1 ft. 9/13/1995 mg/kg
Metals	
Zinc	20.1

PA18	SO 0 – 1 ft. 9/13/1995 mg/kg
Metals	
Chromium	18
Zinc	447

PA2	SO 0 – 1 ft. 9/13/1995 mg/kg
Metals	
Chromium	12
Zinc	130

PB-18	SO 4 – 8 ft. 1/5/2002 mg/kg	SO 4.5 – 4.8 ft. 1/5/2002 mg/kg
Metals		
Cadmium	–	3.1
Chromium	12.2	–
Copper	–	27.3
Thallium	17	9.4
Zinc	21.9	175.1

PA13	SO 0 – 1 ft. 9/13/1995 mg/kg
Metals	
Chromium	472
Zinc	5880

PA10	SO 0 – 1 ft. 9/13/1995 mg/kg
Metals	
Chromium	17
Zinc	65.9

PA3	SO 0 – 1 ft. 9/13/1995 mg/kg
Metals	
Chromium	65
Zinc	267

PA5	SO 0 – 1 ft. 9/13/1995 mg/kg
Metals	
Zinc	25.2

PA12	SO 0 – 1 ft. 9/13/1995 mg/kg
Metals	
Chromium	1150
Zinc	1200

PA11	SO 0 – 1 ft. 9/13/1995 mg/kg
Metals	
Chromium	130
Zinc	4500

PA8	SO 0 – 1 ft. 9/13/1995 mg/kg
Metals	
Chromium	12
Zinc	36.2

LEGEND:

- TEST PIT
- SOIL BORING
- OW-7 OVERBURDEN WELL
- SR-11 SHALLOW BEDROCK WELL
- R-107 INTERMEDIATE BEDROCK WELL
- DR-109 DEEP BEDROCK WELL
- STORM SEWER SAMPLE
- SANITARY SEWER SAMPLE
- WELL Z
- RW-3 RECOVERY WELL (FLOATING PRODUCT)
- GW-1 RECOVERY WELL (GROUNDWATER)
- PZ-151 PIEZOMETER
- SOIL VAPOR EXTRACTION OR MONITORING WELL
- HAND SAMPLE LOCATION
- CITY OF ROCHESTER SEWER TUNNEL LOCATION P.K. NAIL AT SURFACE ABOVE SEWER CENTERLINE
- LOCATION OF BLASTED BEDROCK TRENCH
- LOCATION OF FLOATING PRODUCT RECOVERY TRENCH
- FORMER SOLVENT DEGREASER LOCATION
- SOIL GAS SAMPLING LOCATION
- SOIL GAS READINGS > 100 PPM TOTAL VOLATILES (DASHED LINES INDICATE APPROXIMATE LIMITS OF AREAS WHERE SOIL GAS READINGS > 100 ppm)

DATABOX LEGEND AND NOTES:

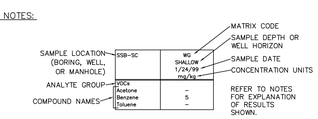
MATRIX CODES:

SO – SOIL
WG – GROUNDWATER
LF – LNAPL
SF – DNAPL
WW – WASTEWATER

WELL HORIZON CODES:

OVERBURDEN – OVERBURDEN WELL

SHALLOW
INTERMEDIATE – BEDROCK WELLS
DEEP



NOTES:

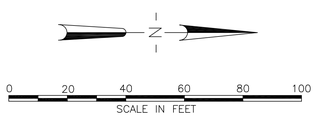
RESULTS ARE SHOWN FOR ONLY THOSE COMPOUNDS THAT EXCEEDED SCREENING CRITERIA CONCENTRATIONS FOR SOIL. A DASH (–) INDICATES THAT THE COMPOUND WAS NOT ANALYZED FOR IN THAT SAMPLE, OR WAS NOT DETECTED IN THAT SAMPLE, OR WAS DETECTED AT A CONCENTRATION BELOW THE SCREENING CRITERION FOR THAT COMPOUND. NOT SHOWN ON THIS FIGURE ARE SOIL SAMPLES COLLECTED IN THIS AREA OF CONCERN IN WHICH NO COMPOUNDS WERE DETECTED AT CONCENTRATIONS ABOVE SCREENING CRITERIA.

REFER TO THE TABLES PRESENTED IN VOLUME 2 OF THE REPORT FOR A COMPLETE LISTING OF ANALYSIS RESULTS (INCLUDING RESULTS FOR COMPOUNDS NOT DETECTED) FOR ALL SAMPLES THAT ARE RELEVANT TO THIS AREA OF CONCERN.

NOTE: REFER TO TABLE 18 FOR A COMPLETE LISTING OF SAMPLE ANALYSIS RESULTS FOR THE LOCATIONS SUMMARIZED ON THIS FIGURE.

MAP NOTES:

1. BASE MAP PREPARED IN DECEMBER 1997 FROM AN ELECTRONIC COPY OF A DRAWING DERIVED FROM DELPHI AUTOMOTIVE SYSTEMS, LX_SITE, UNDATED.
2. PREVIOUS MONITORING, RECOVERY WELL, PIEZOMETER AND P.K. NAIL LOCATIONS SURVEYED BY BERGMANN ASSOCIATES USING THE NORTHING AND EASTING GRID FOR THE SITE PREPARED BY LOCKWOOD SUPPORT SERVICES, INC. LOCATIONS OF WELLS SHOWN ON THIS PLAN HAVE BEEN ADJUSTED WHERE NECESSARY TO MAKE LOCATIONS OF THE WELLS CORRESPOND WITH LOCATIONS OF SITE FEATURES SHOWN ON THE MAP. ALL WELL LOCATIONS ARE APPROXIMATE.
3. LOCATION OF CITY OF ROCHESTER SEWER TUNNEL DETERMINED BY MONROE COUNTY DIVISION OF PURE WATER PERSONNEL DURING TUNNEL SURVEY PERFORMED 3 MAY 1991. LOCATIONS SHOWN ARE APPROXIMATE.
4. * LOCATIONS SHOWN FOR WELLS SR-11, R-11, DR-11, SR-103, R-103, DR-103, PZ-122, PZ-125, SR-308 AND R-308 ARE APPROXIMATED RELATIVE TO FENCELINES. LOCATION OF WELL SR-318 IS APPROXIMATED RELATIVE TO BUILDING WALL. LOCATION OF WELL R-302 IS APPROXIMATE RELATIVE TO EDGE OF ROAD. ACTUAL SURVEY COORDINATES DIFFER.
5. INTERIOR SOIL-GAS SAMPLING, TEST BORING AND MONITORING WELL LOCATIONS SHOWN ARE BASED ON TAPE MEASUREMENTS BY HALEY & ALDRICH USING BUILDING COLUMN LINE OR OTHER REFERENCES. ALL LOCATIONS ARE APPROXIMATE.
6. REFER TO TEXT FOR ADDITIONAL INFORMATION.



HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

DELPHI CORPORATION
REMEDIAL INVESTIGATION – LEXINGTON AVENUE FACILITY
ROCHESTER, NEW YORK

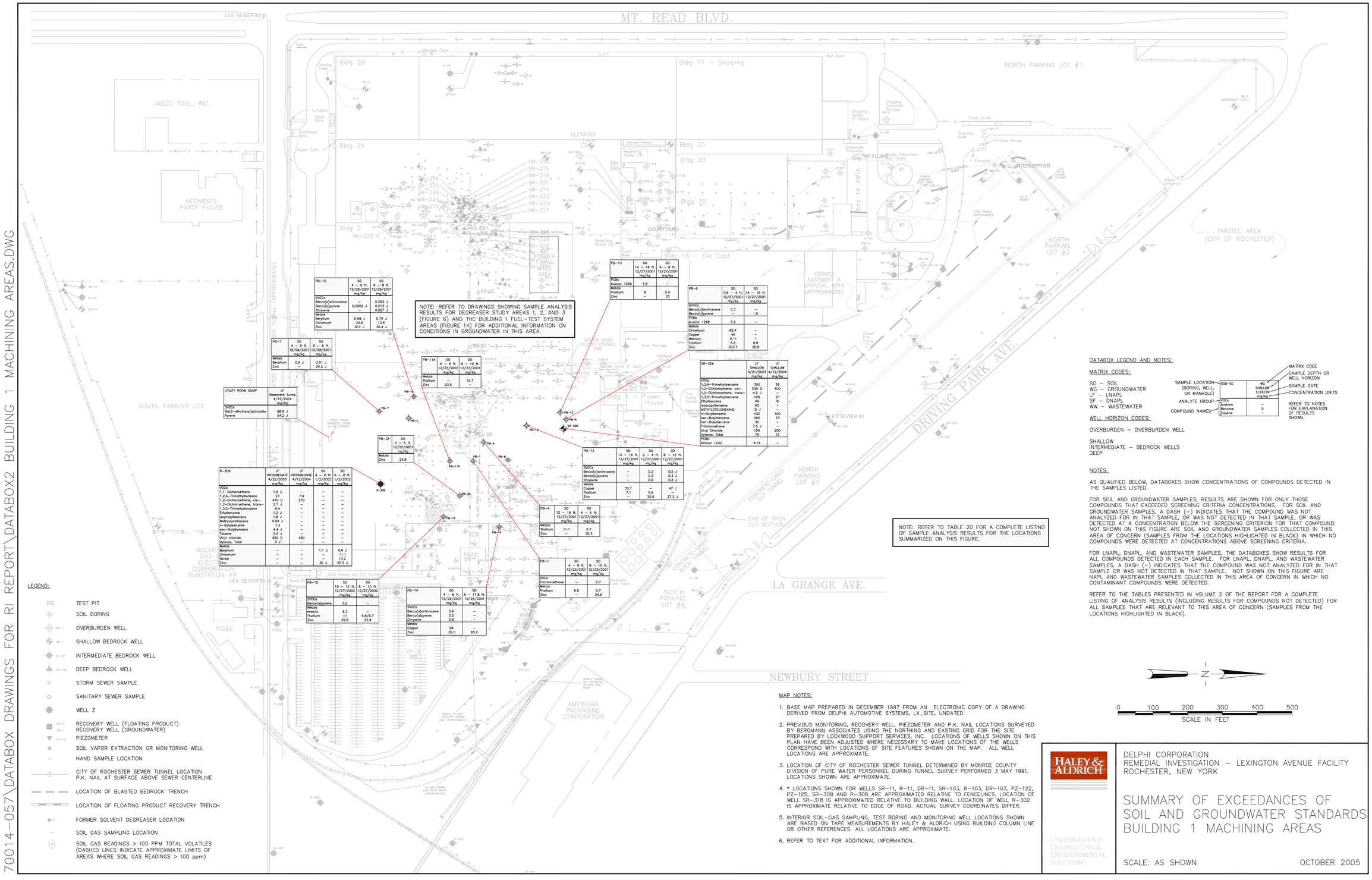
SUMMARY OF EXCEEDANCES OF SOIL STANDARDS FORMER BUILDING 2 PLATING AREA

SCALE: AS SHOWN

OCTOBER 2005

FIGURE 11

70014-057\DATABOX DRAWINGS FOR RI REPORT\DATABOX2 BUILDING 1 MACHINING AREAS.DWG



DATABOX LEGEND AND NOTES:

MATRIX CODES:

SO – SOIL
WG – GROUNDWATER
LF – LNAPL
SF – DNAPL
WW – WASTEWATER

WELL HORIZON CODES:

OVERBURDEN – OVERBURDEN WELL

SHALLOW
INTERMEDIATE – BEDROCK WELLS
DEEP

SSB-SC	WG SHALLOW 1/24/99 mg/kg
VOCs	
Acetone	–
Benzene	5
Toluene	–

SAMPLE LOCATION (BORING, WELL, OR MANHOLE)
ANALYTE GROUP
COMPOUND NAMES
MATRIX CODE
SAMPLE DEPTH OR WELL HORIZON
SAMPLE DATE
CONCENTRATION UNITS
REFER TO NOTES FOR EXPLANATION OF RESULTS SHOWN.

NOTES:

AS QUALIFIED BELOW, DATABOXES SHOW CONCENTRATIONS OF COMPOUNDS DETECTED IN THE SAMPLES LISTED.

FOR SOIL AND GROUNDWATER SAMPLES, RESULTS ARE SHOWN FOR ONLY THOSE COMPOUNDS THAT EXCEEDED SCREENING CRITERIA CONCENTRATIONS. FOR SOIL AND GROUNDWATER SAMPLES, A DASH (–) INDICATES THAT THE COMPOUND WAS NOT ANALYZED FOR IN THAT SAMPLE, OR WAS NOT DETECTED IN THAT SAMPLE, OR WAS DETECTED AT A CONCENTRATION BELOW THE SCREENING CRITERION FOR THAT COMPOUND. NOT SHOWN ON THIS FIGURE ARE SOIL AND GROUNDWATER SAMPLES COLLECTED IN THIS AREA OF CONCERN (SAMPLES FROM THE LOCATIONS HIGHLIGHTED IN BLACK) IN WHICH NO COMPOUNDS WERE DETECTED AT CONCENTRATIONS ABOVE SCREENING CRITERIA.

FOR LNAPL, DNAPL, AND WASTEWATER SAMPLES, THE DATABOXES SHOW RESULTS FOR ALL COMPOUNDS DETECTED IN EACH SAMPLE. FOR LNAPL, DNAPL, AND WASTEWATER SAMPLES, A DASH (–) INDICATES THAT THE COMPOUND WAS NOT ANALYZED FOR IN THAT SAMPLE OR WAS NOT DETECTED IN THAT SAMPLE. NOT SHOWN ON THIS FIGURE ARE NAPL AND WASTEWATER SAMPLES COLLECTED IN THIS AREA OF CONCERN IN WHICH NO CONTAMINANT COMPOUNDS WERE DETECTED.

REFER TO THE TABLES PRESENTED IN VOLUME 2 OF THE REPORT FOR A COMPLETE LISTING OF ANALYSIS RESULTS (INCLUDING RESULTS FOR COMPOUNDS NOT DETECTED) FOR ALL SAMPLES THAT ARE RELEVANT TO THIS AREA OF CONCERN (SAMPLES FROM THE LOCATIONS HIGHLIGHTED IN BLACK).

MAP NOTES:

1. BASE MAP PREPARED IN DECEMBER 1997 FROM AN ELECTRONIC COPY OF A DRAWING DERIVED FROM DELPHI AUTOMOTIVE SYSTEMS, LX_SITE, UNDATED.
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4. * LOCATIONS SHOWN FOR WELLS SR-11, R-11, DR-11, SR-103, R-103, DR-103, PZ-122, PZ-125, SR-308 AND R-308 ARE APPROXIMATED RELATIVE TO FENCELINES. LOCATION OF WELL SR-318 IS APPROXIMATED RELATIVE TO BUILDING WALL. LOCATION OF WELL R-302 IS APPROXIMATE RELATIVE TO EDGE OF ROAD. ACTUAL SURVEY COORDINATES DIFFER.
5. INTERIOR SOIL-GAS SAMPLING, TEST BORING AND MONITORING WELL LOCATIONS SHOWN ARE BASED ON TAPE MEASUREMENTS BY HALEY & ALDRICH USING BUILDING COLUMN LINE OR OTHER REFERENCES. ALL LOCATIONS ARE APPROXIMATE.
6. REFER TO TEXT FOR ADDITIONAL INFORMATION.

HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

DELPHI CORPORATION
REMEDIAL INVESTIGATION – LEXINGTON AVENUE FACILITY
ROCHESTER, NEW YORK

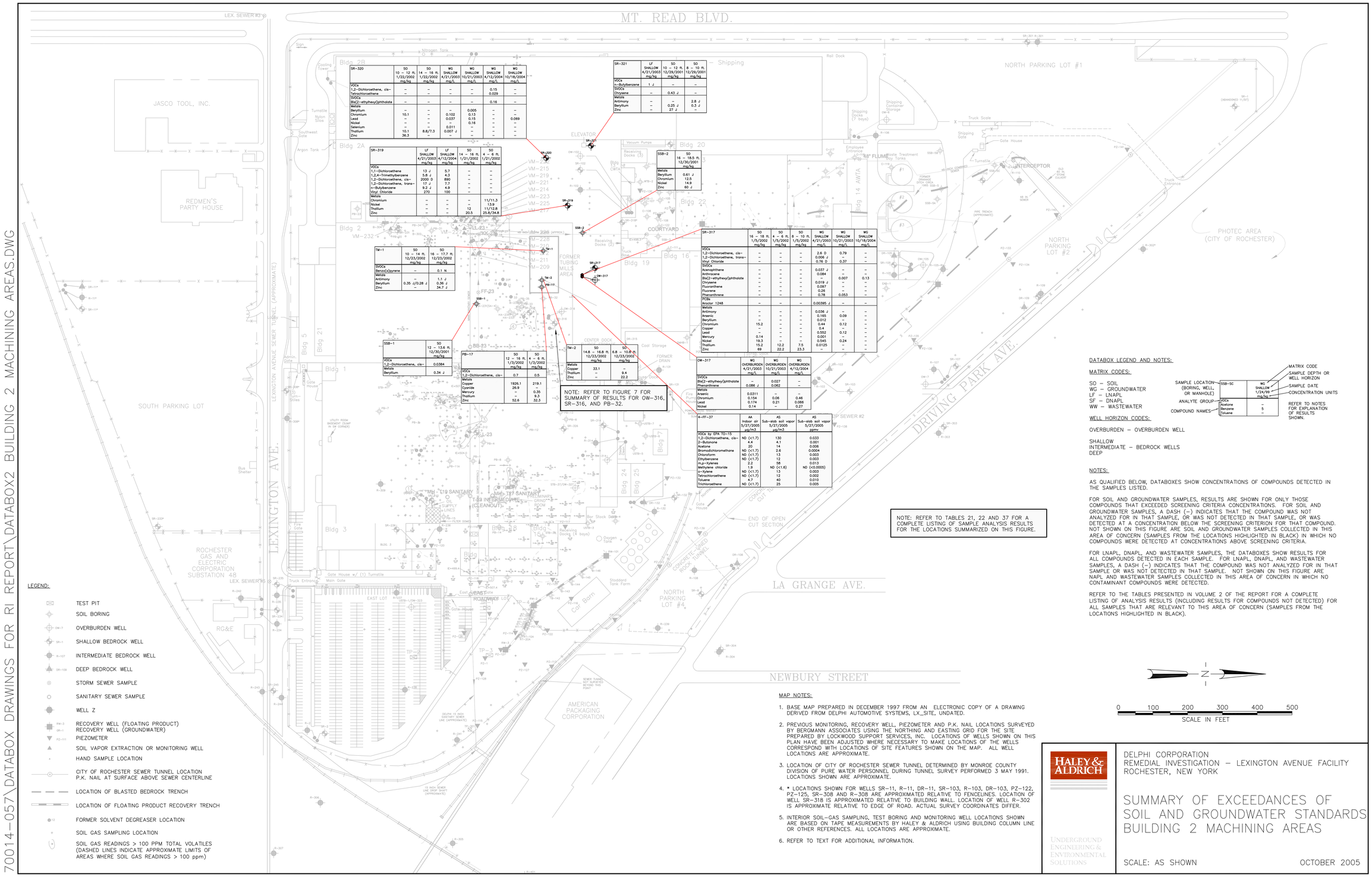
SUMMARY OF EXCEEDANCES OF SOIL AND GROUNDWATER STANDARDS BUILDING 1 MACHINING AREAS

SCALE: AS SHOWN

OCTOBER 2005

FIGURE 12

70014-057\DATABOX DRAWINGS FOR RI REPORT\DATABOX2 BUILDING 2 MACHINING AREAS.DWG



SR-320	SO 10 – 12 ft. 1/22/2002 mg/kg	SO 14 – 16 ft. 1/22/2002 mg/kg	WG SHALLOW 4/27/2003 mg/L	WG SHALLOW 10/21/2003 mg/L	WG SHALLOW 4/12/2004 mg/L	WG SHALLOW 10/18/2004 mg/L
VOCs						
1,2–Dichloroethene, cis–	–	–	–	–	0.15	–
Tetrachloroethene	–	–	–	–	0.029	–
SVOCs						
Bis(2–ethylhexyl)phthalate	–	–	–	–	0.16	–
Metals						
Beryllium	–	–	–	0.005	–	–
Chromium	10.1	–	0.102	0.13	–	–
Lead	–	–	0.037	0.15	–	0.069
Nickel	–	–	–	0.16	–	–
Selenium	–	–	0.011	–	–	–
Thallium	10.1	8.8/7.3	0.007 J	–	–	–
Zinc	36.3	–	–	–	–	–

SR-321	LF SHALLOW 4/21/2003 mg/kg	SO 10 – 12 ft. 12/29/2001 mg/kg	SO 8 – 10 ft. 12/29/2001 mg/kg
VOCs			
n–Butylbenzene	1 J	–	–
SVOCs			
Chrysene	–	0.43 J	–
Metals			
Antimony	–	–	2.8 J
Beryllium	–	0.25 J	0.3 J
Zinc	–	27 J	–

SR-319	LF SHALLOW 4/21/2003 mg/kg	LF SHALLOW 4/12/2004 mg/kg	SO 14 – 16 ft. 1/21/2002 mg/kg	SO 4 – 6 ft. 1/21/2002 mg/kg
VOCs				
1,1–Dichloroethene	13 J	5.7	–	–
1,2,4–Trimethylbenzene	5.8 J	4.3	–	–
1,2–Dichloroethene, cis–	2000 D	890	–	–
1,2–Dichloroethene, trans–	17 J	7.7	–	–
n–Butylbenzene	9.2 J	4.9	–	–
Vinyl Chloride	270	100	–	–
Metals				
Chromium	–	–	–	11/11.3
Nickel	–	–	–	13.9
Thallium	–	–	12	11/12.8
Zinc	–	–	20.5	25.8/34.8

SSB–2	SO 16 – 18.5 ft. 12/30/2001 mg/kg
Metals	
Beryllium	0.61 J
Chromium	12.5
Nickel	14.9
Zinc	60 J

TM–1	SO 10 – 14 ft. 12/23/2002 mg/kg	SO 16 – 17.7 ft. 12/23/2002 mg/kg
SVOCs		
Benzo(a)pyrene	–	0.1 N
Metals		
Antimony	–	1.1 J
Beryllium	0.35 J/0.28 J	0.36 J
Zinc	–	34.7 J

SR–317	SO 16 – 18 ft. 1/5/2002 mg/kg	SO 4 – 6 ft. 1/5/2002 mg/kg	SO 8 – 10 ft. 1/5/2002 mg/kg	WG SHALLOW 4/21/2003 mg/L	WG SHALLOW 10/21/2003 mg/L	WG SHALLOW 10/18/2004 mg/L
VOCs						
1,2–Dichloroethene, cis–	–	–	–	2.6 D	0.79	–
1,2–Dichloroethene, trans–	–	–	–	0.006 J	–	–
Vinyl Chloride	–	–	–	0.76 D	0.37	–
SVOCs						
Acenaphthene	–	–	–	0.037 J	–	–
Anthracene	–	–	–	0.084	–	–
Bis(2–ethylhexyl)phthalate	–	–	–	–	0.007	0.13
Chrysene	–	–	–	0.019 J	–	–
Fluoranthene	–	–	–	0.097	–	–
Fluorene	–	–	–	0.26	–	–
Phenanthrene	–	–	–	0.78	0.053	–
PCBs						
Aroclor 1248	–	–	–	0.00395 J	–	–
Metals						
Antimony	–	–	–	0.036 J	–	–
Arsenic	–	–	–	0.165	0.09	–
Beryllium	–	–	–	0.012	–	–
Chromium	15.2	–	–	0.44	0.12	–
Copper	–	–	–	0.4	–	–
Lead	–	–	–	0.552	0.12	–
Mercury	0.14	–	–	0.001	–	–
Nickel	19.3	–	–	0.545	0.24	–
Thallium	15.2	12.2	7.5	0.0125	–	–
Zinc	69	22.2	23.3	–	–	–

SSB–1	SO 12 – 13.6 ft. 12/30/2001 mg/kg
VOCs	
1,2–Dichloroethene, cis–	0.0384
Metals	
Beryllium	0.34 J

PB–17	SO 12 – 16 ft. 1/3/2002 mg/kg	SO 4 – 6 ft. 1/3/2002 mg/kg
VOCs		
1,2–Dichloroethene, cis–	0.7	0.5
Metals		
Copper	1926.1	219.1
Cyanide	26.9	–
Mercury	–	0.35
Thallium	–	9.3
Zinc	52.6	32.3

TM–2	SO 14.8 – 16.8 ft. 12/23/2002 mg/kg	SO 8.8 – 10.8 ft. 12/23/2002 mg/kg
Metals		
Copper	33.1	–
Thallium	–	9.4
Zinc	–	22.2

NOTE: REFER TO FIGURE 7 FOR SUMMARY OF RESULTS FOR OW–316, SR–316, AND PB–32.

OW–317	WG OVERBURDEN 4/21/2003 mg/L	WG OVERBURDEN 10/21/2003 mg/L	WG OVERBURDEN 4/12/2004 mg/L
SVOCs			
Bis(2–ethylhexyl)phthalate	–	0.027	–
Phenanthrene	0.086 J	0.062	–
Metals			
Arsenic	0.0311	–	–
Chromium	0.154	0.06	0.46
Lead	0.174	0.21	0.066
Nickel	0.14	–	0.27

4–FF–37	AA Indoor air 5/27/2005 µg/m3	AS Sub–slab soil vapor 5/27/2005 µg/m3	AS Sub–slab soil vapor 5/27/2005 ppmv
VOCs by EPA TO–15			
1,2–Dichloroethene, cis–	ND (<1.7)	130	0.033
2–Butanone	4.4	4.1	0.001
Acetone	20	14	0.006
Bromodichloromethane	ND (<1.7)	2.6	0.0004
Chloroform	ND (<1.7)	13	0.003
Ethylbenzene	ND (<1.7)	12	0.003
m,p–Xylenes	2.2	58	0.013
Methylene chloride	1.9	ND (<1.6)	ND (<0.0005)
o–Xylene	ND (<1.7)	13	0.003
Tetrachloroethene	ND (<1.7)	12	0.002
Toluene	4.7	40	0.010
Trichloroethene	ND (<1.7)	25	0.005

NOTE: REFER TO TABLES 21, 22 AND 37 FOR A COMPLETE LISTING OF SAMPLE ANALYSIS RESULTS FOR THE LOCATIONS SUMMARIZED ON THIS FIGURE.

LEGEND:

- TEST PIT
- SOIL BORING
- OVERBURDEN WELL
- SHALLOW BEDROCK WELL
- INTERMEDIATE BEDROCK WELL
- DEEP BEDROCK WELL
- STORM SEWER SAMPLE
- SANITARY SEWER SAMPLE
- WELL Z
- RECOVERY WELL (FLOATING PRODUCT)
- RECOVERY WELL (GROUNDWATER)
- PIEZOMETER
- SOIL VAPOR EXTRACTION OR MONITORING WELL
- HAND SAMPLE LOCATION
- CITY OF ROCHESTER SEWER TUNNEL LOCATION P.K. NAIL AT SURFACE ABOVE SEWER CENTERLINE
- LOCATION OF BLASTED BEDROCK TRENCH
- LOCATION OF FLOATING PRODUCT RECOVERY TRENCH
- FORMER SOLVENT DEGREASER LOCATION
- SOIL GAS SAMPLING LOCATION
- SOIL GAS READINGS > 100 PPM TOTAL VOLATILES (DASHED LINES INDICATE APPROXIMATE LIMITS OF AREAS WHERE SOIL GAS READINGS > 100 ppm)

MAP NOTES:

1. BASE MAP PREPARED IN DECEMBER 1997 FROM AN ELECTRONIC COPY OF A DRAWING DERIVED FROM DELPHI AUTOMOTIVE SYSTEMS, LX_SITE, UNDATED.
2. PREVIOUS MONITORING, RECOVERY WELL, PIEZOMETER AND P.K. NAIL LOCATIONS SURVEYED BY BERGMANN ASSOCIATES USING THE NORTHING AND EASTING GRID FOR THE SITE PREPARED BY LOCKWOOD SUPPORT SERVICES, INC. LOCATIONS OF WELLS SHOWN ON THIS PLAN HAVE BEEN ADJUSTED WHERE NECESSARY TO MAKE LOCATIONS OF THE WELLS CORRESPOND WITH LOCATIONS OF SITE FEATURES SHOWN ON THE MAP. ALL WELL LOCATIONS ARE APPROXIMATE.
3. LOCATION OF CITY OF ROCHESTER SEWER TUNNEL DETERMINED BY MONROE COUNTY DIVISION OF PURE WATER PERSONNEL DURING TUNNEL SURVEY PERFORMED 3 MAY 1991. LOCATIONS SHOWN ARE APPROXIMATE.
4. * LOCATIONS SHOWN FOR WELLS SR–11, R–11, DR–11, SR–103, R–103, DR–103, PZ–122, PZ–125, SR–308 AND R–308 ARE APPROXIMATED RELATIVE TO FENCELINES. LOCATION OF WELL SR–318 IS APPROXIMATED RELATIVE TO BUILDING WALL. LOCATION OF WELL R–302 IS APPROXIMATE RELATIVE TO EDGE OF ROAD. ACTUAL SURVEY COORDINATES DIFFER.
5. INTERIOR SOIL–GAS SAMPLING, TEST BORING AND MONITORING WELL LOCATIONS SHOWN ARE BASED ON TAPE MEASUREMENTS BY HALEY & ALDRICH USING BUILDING COLUMN LINE OR OTHER REFERENCES. ALL LOCATIONS ARE APPROXIMATE.
6. REFER TO TEXT FOR ADDITIONAL INFORMATION.

DATABOX LEGEND AND NOTES:

MATRIX CODES:

SO – SOIL
WG – GROUNDWATER
LF – LNAPL
SF – DNAPL
WW – WASTEWATER

WELL HORIZON CODES:

OVERBURDEN – OVERBURDEN WELL

SHALLOW
INTERMEDIATE – BEDROCK WELLS
DEEP

SSB–SC	WG SHALLOW 1/24/99 mg/kg
VOCs	
Acetone	–
Benzene	5
Toluene	–

SAMPLE LOCATION (BORING, WELL, OR MANHOLE) — MATRIX CODE
SAMPLE DEPTH OR WELL HORIZON
SAMPLE DATE
CONCENTRATION UNITS
ANALYTE GROUP
COMPOUND NAMES
REFER TO NOTES FOR EXPLANATION OF RESULTS SHOWN.

NOTES:

AS QUALIFIED BELOW, DATABOXES SHOW CONCENTRATIONS OF COMPOUNDS DETECTED IN THE SAMPLES LISTED.

FOR SOIL AND GROUNDWATER SAMPLES, RESULTS ARE SHOWN FOR ONLY THOSE COMPOUNDS THAT EXCEEDED SCREENING CRITERIA CONCENTRATIONS. FOR SOIL AND GROUNDWATER SAMPLES, A DASH (–) INDICATES THAT THE COMPOUND WAS NOT ANALYZED FOR IN THAT SAMPLE, OR WAS NOT DETECTED IN THAT SAMPLE, OR WAS DETECTED AT A CONCENTRATION BELOW THE SCREENING CRITERION FOR THAT COMPOUND. NOT SHOWN ON THIS FIGURE ARE SOIL AND GROUNDWATER SAMPLES COLLECTED IN THIS AREA OF CONCERN (SAMPLES FROM THE LOCATIONS HIGHLIGHTED IN BLACK) IN WHICH NO COMPOUNDS WERE DETECTED AT CONCENTRATIONS ABOVE SCREENING CRITERIA.

FOR LNAPL, DNAPL, AND WASTEWATER SAMPLES, THE DATABOXES SHOW RESULTS FOR ALL COMPOUNDS DETECTED IN EACH SAMPLE. FOR LNAPL, DNAPL, AND WASTEWATER SAMPLES, A DASH (–) INDICATES THAT THE COMPOUND WAS NOT ANALYZED FOR IN THAT SAMPLE OR WAS NOT DETECTED IN THAT SAMPLE. NOT SHOWN ON THIS FIGURE ARE NAPL AND WASTEWATER SAMPLES COLLECTED IN THIS AREA OF CONCERN IN WHICH NO CONTAMINANT COMPOUNDS WERE DETECTED.

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N

0 100 200 300 400 500
SCALE IN FEET

HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

DELPHI CORPORATION
REMEDIAL INVESTIGATION – LEXINGTON AVENUE FACILITY
ROCHESTER, NEW YORK

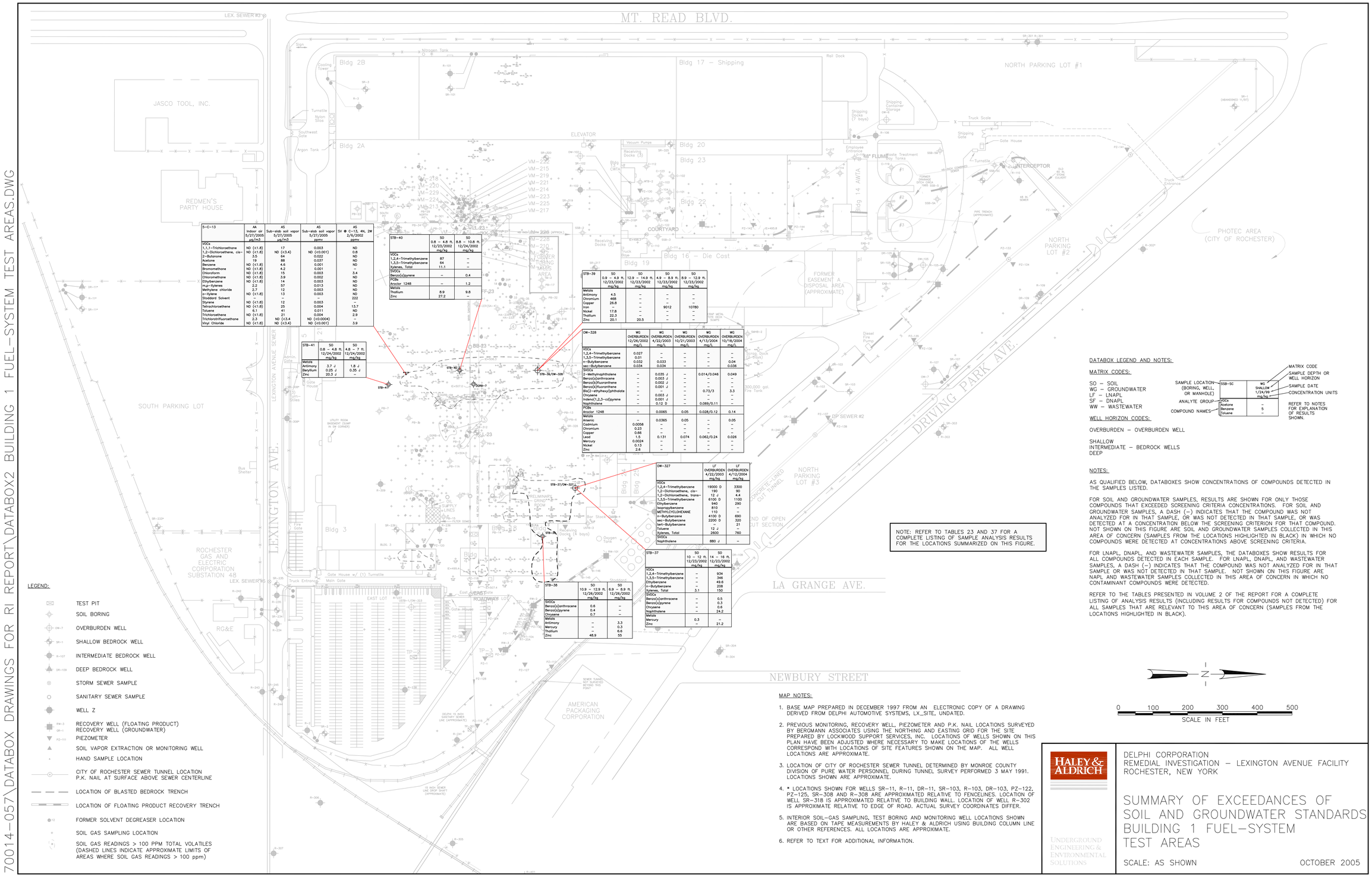
SUMMARY OF EXCEEDANCES OF SOIL AND GROUNDWATER STANDARDS BUILDING 2 MACHINING AREAS

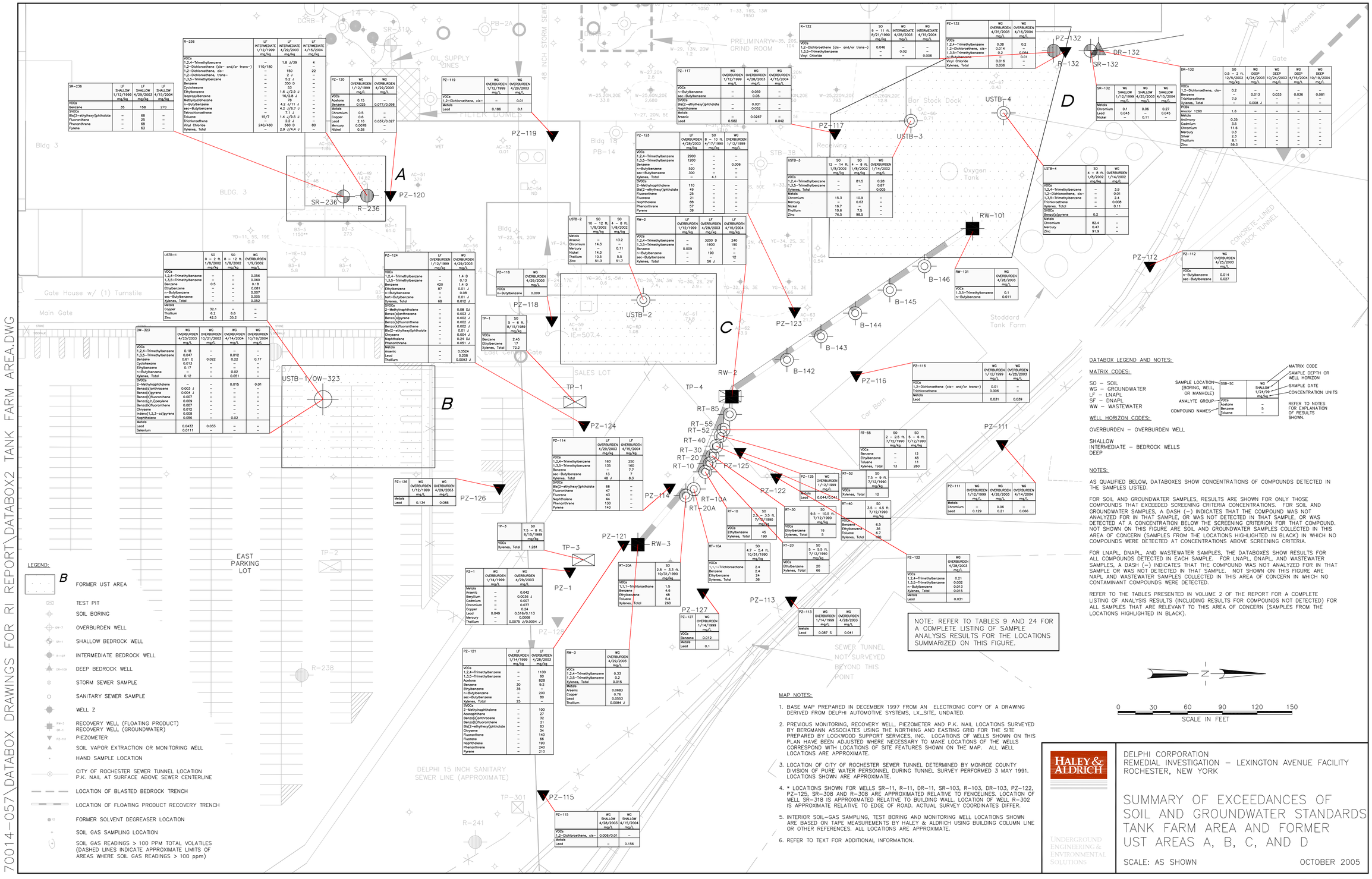
SCALE: AS SHOWN

OCTOBER 2005

FIGURE 13

70014-057\DATABOX DRAWINGS FOR RI REPORT\DATABOX2 BUILDING 1 FUEL-SYSTEM TEST AREAS.DWG


MT. READ BLVD.
LEXINGTON AVE.
LA GRANGE AVE.
NEWBURY STREET
DRIVING PARK AVE.
JASCO TOOL, INC.
REDMEN'S PARTY HOUSE
SOUTH PARKING LOT
NORTH PARKING LOT #1
NORTH PARKING LOT #2
NORTH PARKING LOT #3
PHOTEC AREA (CITY OF ROCHESTER)
ROCHESTER GAS AND ELECTRIC CORPORATION SUBSTATION 48
RG&E
AMERICAN PACKAGING CORPORATION
Bldg 2B
Bldg 2A
Bldg 3
Bldg 17 – Shipping
Bldg 20
Bldg 23
Bldg 22
Bldg 19
Bldg 16 – Die Cast
Bldg 14 AWTA
COURTYARD
ELEVATOR
"RS" FLUME
INTERCEPTOR
FORMER EASTMAN A DISPOSAL AREA (APPROXIMATE)
LEXINGTON AVENUE SEWER
LEX. SEWER #3
LEX. SEWER #6
BP SEWER #2
EAST LOT
EAST ROADWAY
Main Gate
Gate House w/ (1) Turnstile
Truck Entrance
Truck Scale
Gate House
Shipping Gate
Southwest Gate
Argon Tank
Nitrogen Tank
Cooling Tower
Nylon Silos
Rail Dock
Receiving Docks (3)
Shipping Docks (7 bays)
Shipping Container Storage
Waste Treatment Bay Tanks
Diesel Fire Pump
Fire Pump House
Oxygen Tank
Bar Stock
Stoddard
VM-222
VM-215
VM-219
VM-221
VM-214
VM-223
VM-225
VM-217
VM-218
VM-220
VM-229
VM-224
VM-213
VM-228
VM-210
VM-211
VM-212
VM-216
FORMER DRAINAGE DITCH (PRIOR TO 1985)
CONCRETE-LINED CUT TUNNEL
END OF OPEN CUT SECTION
SEWER TUNNEL NOT SURVEYED BELOW THIS POINT
DELPHI 15 INCH SANITARY SEWER LINE (APPROXIMATE)
15 INCH SEWER LINE DROP SHAFT (APPROXIMATE)
UTILITY ROOM BASEMENT (SUMP IN SW CORNER)
PRELIMINARY GRINDER ROOM
Receiving Docks (4 bays)
Bus Shelter
Fire Gate
Gate House
Admin. Gate
Turnstile
Scrap Dock (2 bays)
300,000 gal. Fire Tank
Vacuum Pumps
Employee Entrance
Truck Bay
Pipe Trench (approximate)
48 IN. SEWER
OLD 60 IN STORM CULVERT
NON-CONTACT SEWER
Stoddard
East Gate
Gate House
Gate House
Gate House



NOTE: REFER TO TABLES 9 AND 24 FOR A COMPLETE LISTING OF SAMPLE ANALYSIS RESULTS FOR THE LOCATIONS SUMMARIZED ON THIS FIGURE.

MAP NOTES:

1. BASE MAP PREPARED IN DECEMBER 1997 FROM AN ELECTRONIC COPY OF A DRAWING DERIVED FROM DELPHI AUTOMOTIVE SYSTEMS, LX_SITE, UNDATED.
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WELL HORIZON CODES:

OVERBURDEN – OVERBURDEN WELL

SHALLOW
INTERMEDIATE – BEDROCK WELLS
DEEP

SSB-SC — SAMPLE LOCATION (BORING, WELL OR MANHOLE)
WG SHALLOW 1/24/99 — MATRIX CODE; SAMPLE DEPTH OR WELL HORIZON; SAMPLE DATE; CONCENTRATION UNITS
VOCs — ANALYTE GROUP
Acetone — COMPOUND NAMES
Benzene 5
Toluene –
REFER TO NOTES FOR EXPLANATION OF RESULTS SHOWN.

NOTES:

AS QUALIFIED BELOW, DATABOXES SHOW CONCENTRATIONS OF COMPOUNDS DETECTED IN THE SAMPLES LISTED.

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HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

DELPHI CORPORATION
REMEDIAL INVESTIGATION – LEXINGTON AVENUE FACILITY
ROCHESTER, NEW YORK

SUMMARY OF EXCEEDANCES OF SOIL AND GROUNDWATER STANDARDS TANK FARM AREA AND FORMER UST AREAS A, B, C, AND D

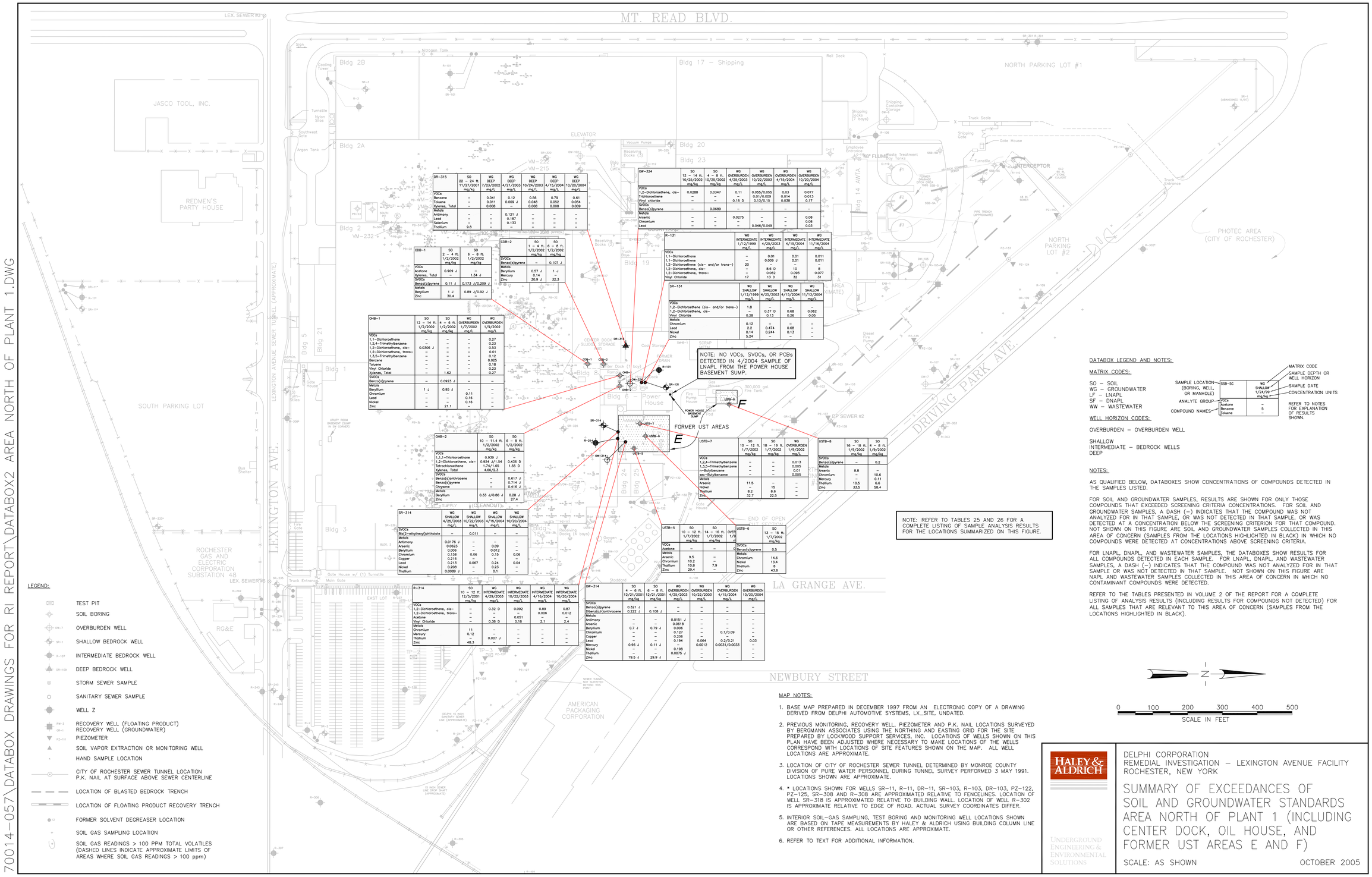
SCALE: AS SHOWN

OCTOBER 2005

FIGURE 15

70014-057\DATABOX DRAWINGS FOR RI REPORT\DATABOX2 TANK FARM AREA.DWG

70014-057\DATABOX DRAWINGS FOR RI REPORT\DATABOX2 AREA NORTH OF PLANT 1.DWG



DR-315	SO 22 – 24 ft. 11/27/2001 mg/kg	WG DEEP 7/23/2002 mg/L	WG DEEP 4/21/2003 mg/L	WG DEEP 10/24/2003 mg/L	WG DEEP 4/15/2004 mg/L	WG DEEP 10/20/2004 mg/L
VOCs						
Benzene	–	0.041	0.12	0.56	0.79	0.61
Toluene	–	0.011	0.009 J	0.048	0.052	0.054
Xylenes, Total	–	0.008	–	0.008	0.008	0.009
Metals						
Antimony	–	–	0.121 J	–	–	–
Lead	–	–	0.187	–	–	–
Selenium	–	–	0.133	–	–	–
Thallium	9.8	–	–	–	–	–

CDB-1	SO 2 – 4 ft. 1/2/2002 mg/kg	SO 6 – 8 ft. 1/2/2002 mg/kg
VOCs		
Acetone	0.909 J	–
Xylenes, Total	–	1.34 J
SVOCs		
Benzo(a)pyrene	0.11 J	0.173 J/0.209 J
Metals		
Beryllium	1 J	0.89 J/0.92 J
Zinc	30.4	–

CDB-2	SO 1 – 4 ft. 1/2/2002 mg/kg	SO 6 – 8 ft. 1/2/2002 mg/kg
SVOCs		
Benzo(a)pyrene	–	0.107 J
Metals		
Beryllium	0.57 J	1 J
Mercury	0.14	–
Zinc	30.9 J	32.3

OHB-1	SO 12 – 14 ft. 1/2/2002 mg/kg	SO 4 – 6 ft. 1/2/2002 mg/kg	WG OVERBURDEN 1/7/2002 mg/L	WG OVERBURDEN 1/9/2002 mg/L
VOCs				
1,1–Dichloroethane	–	–	–	0.27
1,2,4–Trimethylbenzene	–	–	–	0.23
1,2–Dichloroethene, cis–	0.0306 J	–	–	0.53
1,2–Dichloroethene, trans–	–	–	–	0.01
1,3,5–Trimethylbenzene	–	–	–	0.12
Benzene	–	–	–	0.025
Toluene	–	–	–	0.18
Vinyl Chloride	–	–	–	0.23
Xylenes, Total	–	1.62	–	0.27
SVOCs				
Benzo(a)pyrene	–	0.0923 J	–	–
Metals				
Beryllium	1 J	0.95 J	–	–
Chromium	–	–	0.11	–
Lead	–	–	0.16	–
Nickel	–	–	0.16	–
Zinc	–	21.1	–	–

OHB-2	SO 10 – 11.4 ft. 1/2/2002 mg/kg	SO 6 – 8 ft. 1/2/2002 mg/kg
VOCs		
1,1,1–Trichloroethane	0.939 J	–
1,2–Dichloroethene, cis–	0.924 J/1.54	0.436 D
Tetrachloroethene	1.74/1.65	1.55 D
Xylenes, Total	4.66/2.3	–
SVOCs		
Benzo(a)anthracene	–	0.617 J
Benzo(a)pyrene	–	0.714 J
Chrysene	–	0.416 J
Metals		
Beryllium	0.33 J/0.86 J	0.28 J
Zinc	–	27.4

SR-314	WG SHALLOW 4/25/2003 mg/L	WG SHALLOW 10/22/2003 mg/L	WG SHALLOW 4/15/2004 mg/L	WG SHALLOW 10/20/2004 mg/L
SVOCs				
Bis(2–ethylhexyl)phthalate	–	0.011	–	–
Metals				
Antimony	0.0176 J	–	–	–
Arsenic	0.0623	–	0.09	–
Beryllium	0.006	–	0.012	–
Chromium	0.138	0.06	0.15	0.06
Copper	0.216	–	–	–
Lead	0.213	0.067	0.24	0.04
Nickel	0.208	–	0.23	–
Thallium	0.0089 J	–	0.1	–

R-314	SO 10 – 12 ft. 12/5/2001 mg/kg	WG INTERMEDIATE 4/29/2003 mg/L	WG INTERMEDIATE 10/22/2003 mg/L	WG INTERMEDIATE 4/16/2004 mg/L	WG INTERMEDIATE 10/20/2004 mg/L
VOCs					
1,2–Dichloroethene, cis–	–	0.32 D	0.092	0.89	0.87
1,2–Dichloroethene, trans–	–	–	–	0.008	0.012
Acetone	–	–	0.051	–	–
Vinyl Chloride	–	0.38 D	0.18	2.1	2.4
Metals					
Chromium	11	–	–	–	–
Mercury	0.12	–	–	–	–
Thallium	–	0.007 J	–	–	–
Zinc	48.3	–	–	–	–

OW-324	SO 12 – 14 ft. 10/25/2002 mg/kg	SO 4 – 8 ft. 10/25/2002 mg/kg	WG OVERBURDEN 4/25/2003 mg/L	WG OVERBURDEN 10/22/2003 mg/L	WG OVERBURDEN 4/15/2004 mg/L	WG OVERBURDEN 10/20/2004 mg/L
VOCs						
1,2–Dichloroethene, cis–	0.0288	0.0347	0.11	0.055/0.055	0.03	0.077
Trichloroethene	–	–	–	0.01/0.009	0.014	0.013
Vinyl chloride	–	–	0.18 D	0.13/0.15	0.038	0.17
SVOCs						
Benzo(a)pyrene	–	0.0689	–	–	–	–
Metals						
Arsenic	–	–	0.0275	–	–	0.08
Chromium	–	–	–	–	–	0.08
Lead	–	–	–	0.046/0.049	–	0.03

R-131	WG INTERMEDIATE 1/12/1999 mg/L	WG INTERMEDIATE 4/25/2003 mg/L	WG INTERMEDIATE 4/15/2004 mg/L	WG INTERMEDIATE 11/16/2004 mg/L
VOCs				
1,1–Dichloroethane	–	0.01	0.01	0.011
1,1–Dichloroethene	–	0.009 J	0.01	0.011
1,2–Dichloroethene (cis– and/or trans–)	20	–	–	–
1,2–Dichloroethene, cis–	–	8.6 D	10	8
1,2–Dichloroethene, trans–	–	0.062	0.095	0.077
Vinyl Chloride	17	13 D	32	31

SR-131	WG SHALLOW 1/12/1999 mg/L	WG SHALLOW 4/25/2003 mg/L	WG SHALLOW 4/15/2004 mg/L	WG SHALLOW 11/13/2004 mg/L
VOCs				
1,2–Dichloroethene (cis– and/or trans–)	1.8	–	–	–
1,2–Dichloroethene, cis–	–	0.37 D	0.68	0.062
Vinyl Chloride	0.28	0.13	0.26	0.05
Metals				
Chromium	0.12	–	–	–
Lead	2.2	0.474	0.68	–
Nickel	0.14	0.244	0.13	–
Zinc	5.24	–	–	–

USTB-7	SO 10 – 12 ft. 1/7/2002 mg/kg	SO 18 – 19 ft. 1/7/2002 mg/kg	WG OVERBURDEN 1/9/2002 mg/L
VOCs			
1,2,4–Trimethylbenzene	–	–	0.013
1,3,5–Trimethylbenzene	–	–	0.005
n–Butylbenzene	–	–	0.01
sec–Butylbenzene	–	–	0.005
Metals			
Arsenic	11.5	–	–
Nickel	–	15	–
Thallium	8.2	8.6	–
Zinc	32.7	22.5	–

USTB-8	SO 16 – 18 ft. 1/9/2002 mg/kg	SO 4 – 8 ft. 1/9/2002 mg/kg
SVOCs		
Benzo(a)pyrene	–	0.2
Metals		
Arsenic	8.8	–
Chromium	–	10.6
Mercury	–	0.11
Thallium	10.5	6.6
Zinc	33.5	58.4

USTB-5	SO 10 – 12 ft. 1/7/2002 mg/kg	SO 14 – 16 ft. 1/7/2002 mg/kg
VOCs		
Acetone	–	–
Metals		
Arsenic	9.5	–
Chromium	10.2	–
Thallium	10.8	7.9
Zinc	29.4	–

USTB-6	SO 13 – 15 ft. 1/7/2002 mg/kg
SVOCs	
Benzo(a)pyrene	0.5
Metals	
Chromium	14.6
Nickel	13.4
Thallium	8
Zinc	43.8

OW-314	SO 4 – 6 ft. 12/21/2001 mg/kg	SO 8 – 8 ft. 12/21/2001 mg/kg	WG OVERBURDEN 4/25/2003 mg/L	WG OVERBURDEN 10/22/2003 mg/L	WG OVERBURDEN 4/15/2004 mg/L	WG OVERBURDEN 10/20/2004 mg/L
SVOCs						
Benzo(a)pyrene	0.321 J	–	–	–	–	–
Dibenz(a,h)anthracene	0.222 J	0.108 J	–	–	–	–
Metals						
Antimony	–	–	0.0151 J	–	–	–
Arsenic	–	–	0.0618	–	–	–
Beryllium	0.7 J	0.79 J	0.006	–	–	–
Chromium	–	–	0.127	–	0.1/0.09	–
Copper	–	–	0.206	–	–	–
Lead	–	–	0.194	0.064	0.2/0.21	0.03
Mercury	0.96 J	0.11 J	–	0.0012	0.0031/0.0033	–
Nickel	–	–	0.198	–	–	–
Thallium	–	–	0.0075 J	–	–	–
Zinc	79.5 J	29.9 J	–	–	–	–

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INTERMEDIATE – BEDROCK WELLS
DEEP

SSB-SC	WG SHALLOW 1/24/99 mg/kg
VOCs	
Acetone	–
Benzene	5
Toluene	–

SAMPLE LOCATION (BORING, WELL, OR MANHOLE)
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LEGEND:

- TEST PIT
- SOIL BORING
- OW-7 OVERBURDEN WELL
- SR-1 SHALLOW BEDROCK WELL
- R-107 INTERMEDIATE BEDROCK WELL
- DR-109 DEEP BEDROCK WELL
- STORM SEWER SAMPLE
- SANITARY SEWER SAMPLE
- WELL Z
- RW-3 GW-1 RECOVERY WELL (FLOATING PRODUCT) RECOVERY WELL (GROUNDWATER)
- PZ-111 PIEZOMETER
- SOIL VAPOR EXTRACTION OR MONITORING WELL
- HAND SAMPLE LOCATION
- CITY OF ROCHESTER SEWER TUNNEL LOCATION P.K. NAIL AT SURFACE ABOVE SEWER CENTERLINE
- LOCATION OF BLASTED BEDROCK TRENCH
- LOCATION OF FLOATING PRODUCT RECOVERY TRENCH
- 12 FORMER SOLVENT DEGREASER LOCATION
- SOIL GAS SAMPLING LOCATION
- SOIL GAS READINGS > 100 PPM TOTAL VOLATILES (DASHED LINES INDICATE APPROXIMATE LIMITS OF AREAS WHERE SOIL GAS READINGS > 100 ppm)

MAP NOTES:

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4. * LOCATIONS SHOWN FOR WELLS SR–11, R–11, DR–11, SR–103, R–103, DR–103, PZ–122, PZ–125, SR–308 AND R–308 ARE APPROXIMATED RELATIVE TO FENCELINES. LOCATION OF WELL SR–318 IS APPROXIMATED RELATIVE TO BUILDING WALL. LOCATION OF WELL R–302 IS APPROXIMATE RELATIVE TO EDGE OF ROAD. ACTUAL SURVEY COORDINATES DIFFER.
5. INTERIOR SOIL–GAS SAMPLING, TEST BORING AND MONITORING WELL LOCATIONS SHOWN ARE BASED ON TAPE MEASUREMENTS BY HALEY & ALDRICH USING BUILDING COLUMN LINE OR OTHER REFERENCES. ALL LOCATIONS ARE APPROXIMATE.
6. REFER TO TEXT FOR ADDITIONAL INFORMATION.

HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

DELPHI CORPORATION
REMEDIAL INVESTIGATION – LEXINGTON AVENUE FACILITY
ROCHESTER, NEW YORK

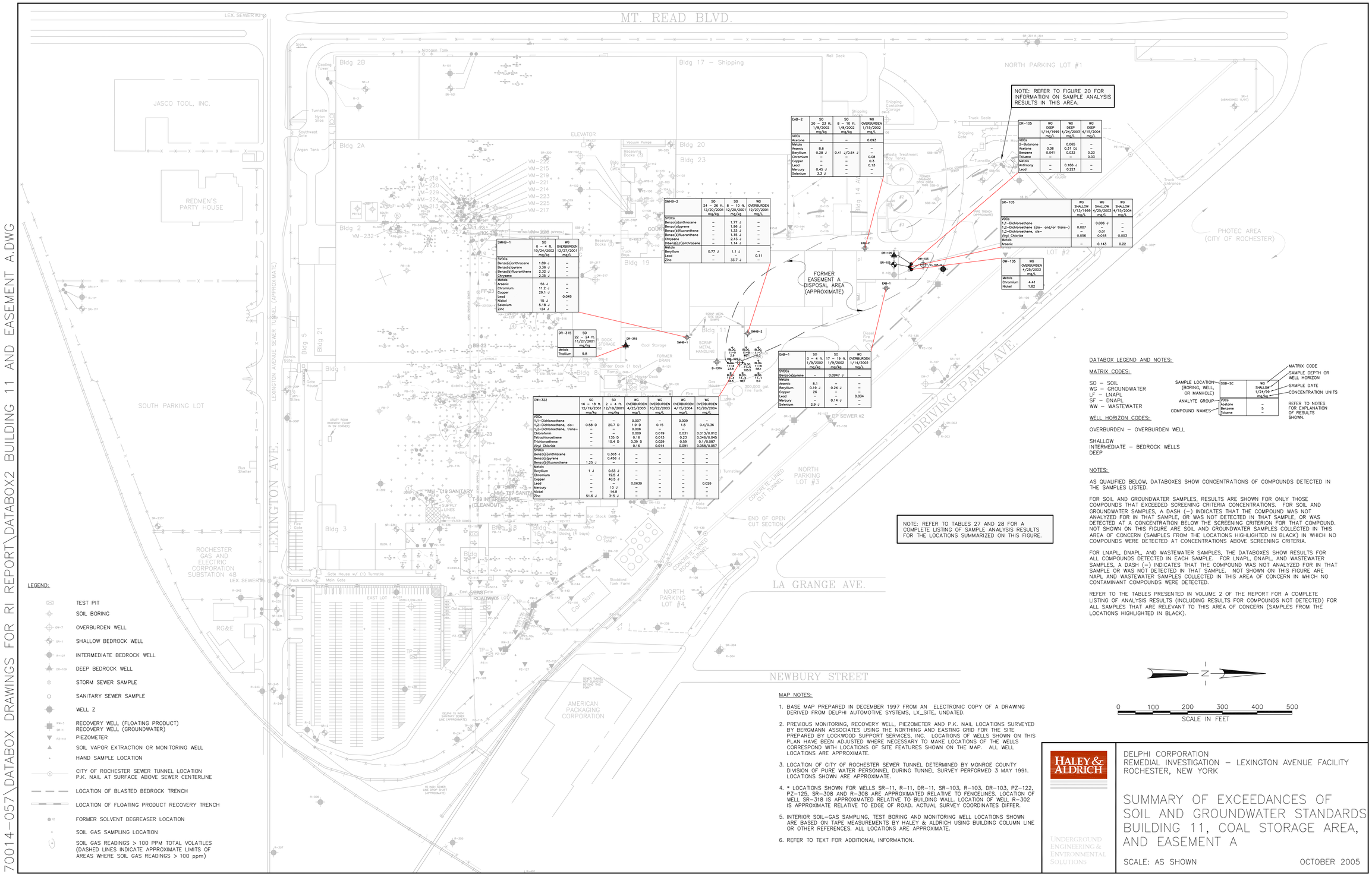
SUMMARY OF EXCEEDANCES OF SOIL AND GROUNDWATER STANDARDS AREA NORTH OF PLANT 1 (INCLUDING CENTER DOCK, OIL HOUSE, AND FORMER UST AREAS E AND F)

SCALE: AS SHOWN

OCTOBER 2005

FIGURE 16

70014-057\DATABOX DRAWINGS FOR RI REPORT\DATABOX2 BUILDING 11 AND EASEMENT A.DWG



LEGEND:

- TEST PIT
- SOIL BORING
- OVERBURDEN WELL
- SHALLOW BEDROCK WELL
- INTERMEDIATE BEDROCK WELL
- DEEP BEDROCK WELL
- STORM SEWER SAMPLE
- SANITARY SEWER SAMPLE
- WELL Z
- RECOVERY WELL (FLOATING PRODUCT) / RECOVERY WELL (GROUNDWATER)
- PIEZOMETER
- SOIL VAPOR EXTRACTION OR MONITORING WELL
- HAND SAMPLE LOCATION
- CITY OF ROCHESTER SEWER TUNNEL LOCATION P.K. NAIL AT SURFACE ABOVE SEWER CENTERLINE
- LOCATION OF BLASTED BEDROCK TRENCH
- LOCATION OF FLOATING PRODUCT RECOVERY TRENCH
- FORMER SOLVENT DEGREASER LOCATION
- SOIL GAS SAMPLING LOCATION
- SOIL GAS READINGS > 100 PPM TOTAL VOLATILES (DASHED LINES INDICATE APPROXIMATE LIMITS OF AREAS WHERE SOIL GAS READINGS > 100 ppm)

DATABOX LEGEND AND NOTES:

MATRIX CODES:

SO – SOIL
WG – GROUNDWATER
LF – LNAPL
SF – DNAPL
WW – WASTEWATER

WELL HORIZON CODES:

OVERBURDEN – OVERBURDEN WELL

SHALLOW
INTERMEDIATE – BEDROCK WELLS
DEEP

NOTES:

AS QUALIFIED BELOW, DATABOXES SHOW CONCENTRATIONS OF COMPOUNDS DETECTED IN THE SAMPLES LISTED.

FOR SOIL AND GROUNDWATER SAMPLES, RESULTS ARE SHOWN FOR ONLY THOSE COMPOUNDS THAT EXCEEDED SCREENING CRITERIA CONCENTRATIONS. FOR SOIL AND GROUNDWATER SAMPLES, A DASH (–) INDICATES THAT THE COMPOUND WAS NOT ANALYZED FOR IN THAT SAMPLE, OR WAS NOT DETECTED IN THAT SAMPLE, OR WAS DETECTED AT A CONCENTRATION BELOW THE SCREENING CRITERION FOR THAT COMPOUND. NOT SHOWN ON THIS FIGURE ARE SOIL AND GROUNDWATER SAMPLES COLLECTED IN THIS AREA OF CONCERN (SAMPLES FROM THE LOCATIONS HIGHLIGHTED IN BLACK) IN WHICH NO COMPOUNDS WERE DETECTED AT CONCENTRATIONS ABOVE SCREENING CRITERIA.

FOR LNAPL, DNAPL, AND WASTEWATER SAMPLES, THE DATABOXES SHOW RESULTS FOR ALL COMPOUNDS DETECTED IN EACH SAMPLE. FOR LNAPL, DNAPL, AND WASTEWATER SAMPLES, A DASH (–) INDICATES THAT THE COMPOUND WAS NOT ANALYZED FOR IN THAT SAMPLE OR WAS NOT DETECTED IN THAT SAMPLE. NOT SHOWN ON THIS FIGURE ARE NAPL AND WASTEWATER SAMPLES COLLECTED IN THIS AREA OF CONCERN IN WHICH NO CONTAMINANT COMPOUNDS WERE DETECTED.

REFER TO THE TABLES PRESENTED IN VOLUME 2 OF THE REPORT FOR A COMPLETE LISTING OF ANALYSIS RESULTS (INCLUDING RESULTS FOR COMPOUNDS NOT DETECTED) FOR ALL SAMPLES THAT ARE RELEVANT TO THIS AREA OF CONCERN (SAMPLES FROM THE LOCATIONS HIGHLIGHTED IN BLACK).

MAP NOTES:

1. BASE MAP PREPARED IN DECEMBER 1997 FROM AN ELECTRONIC COPY OF A DRAWING DERIVED FROM DELPHI AUTOMOTIVE SYSTEMS, LX_SITE, UNDATED.
2. PREVIOUS MONITORING, RECOVERY WELL, PIEZOMETER AND P.K. NAIL LOCATIONS SURVEYED BY BERGMANN ASSOCIATES USING THE NORTHING AND EASTING GRID FOR THE SITE PREPARED BY LOCKWOOD SUPPORT SERVICES, INC. LOCATIONS OF WELLS SHOWN ON THIS PLAN HAVE BEEN ADJUSTED WHERE NECESSARY TO MAKE LOCATIONS OF THE WELLS CORRESPOND WITH LOCATIONS OF SITE FEATURES SHOWN ON THE MAP. ALL WELL LOCATIONS ARE APPROXIMATE.
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4. * LOCATIONS SHOWN FOR WELLS SR-11, R-11, DR-11, SR-103, R-103, DR-103, PZ-122, PZ-125, SR-308 AND R-308 ARE APPROXIMATED RELATIVE TO FENCELINES. LOCATION OF WELL SR-318 IS APPROXIMATED RELATIVE TO BUILDING WALL. LOCATION OF WELL R-302 IS APPROXIMATE RELATIVE TO EDGE OF ROAD. ACTUAL SURVEY COORDINATES DIFFER.
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0 100 200 300 400 500
SCALE IN FEET

HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

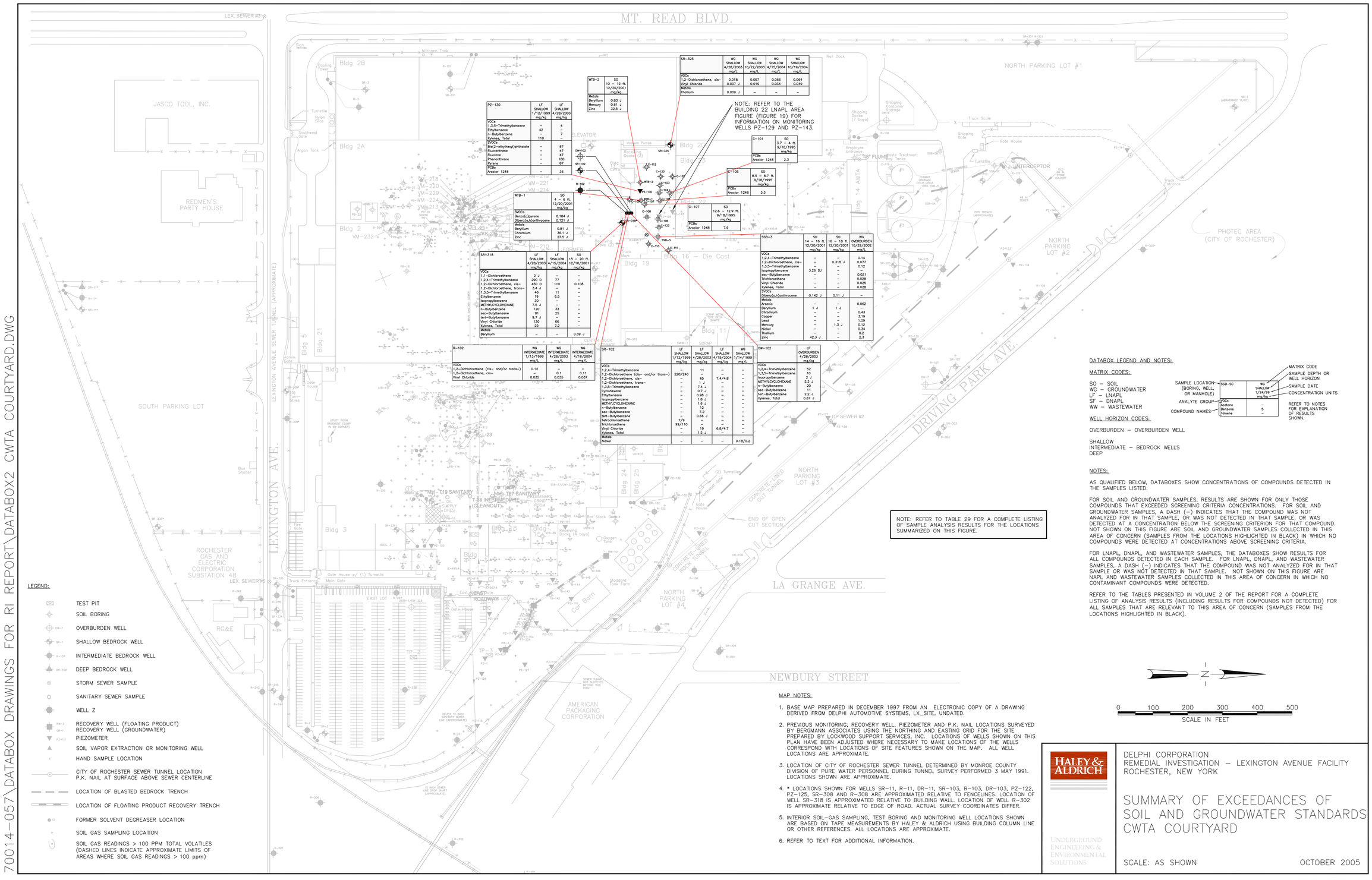
DELPHI CORPORATION
REMEDIAL INVESTIGATION – LEXINGTON AVENUE FACILITY
ROCHESTER, NEW YORK

SUMMARY OF EXCEEDANCES OF SOIL AND GROUNDWATER STANDARDS BUILDING 11, COAL STORAGE AREA, AND EASEMENT A

SCALE: AS SHOWN

OCTOBER 2005

FIGURE 17



PZ-130	LF SHALLOW 1/12/1999 mg/kg	LF SHALLOW 4/28/2003 mg/kg
VOCs		
1,3,5-Trimethylbenzene	–	4
Ethylbenzene	42	–
n-Butylbenzene	–	7
Xylenes, Total	110	–
SVOCs		
Bis(2-ethylhexyl)phthalate	–	87
Fluoranthene	–	47
Fluorene	–	47
Phenanthrene	–	180
Pyrene	–	87
PCBs		
Aroclor 1248	–	36

WTB-2	SO 10 – 12 ft. 12/20/2001 mg/kg
Metals	
Beryllium	0.83 J
Mercury	0.61 J
Zinc	32.5 J

SR-325	WG SHALLOW 4/28/2003 mg/L	WG SHALLOW 10/22/2003 mg/L	WG SHALLOW 4/15/2004 mg/L	WG SHALLOW 10/19/2004 mg/L
VOCs				
1,2-Dichloroethene, cis-	0.018	0.057	0.068	0.064
Vinyl Chloride	0.007 J	0.019	0.034	0.049
Metals				
Thallium	0.009 J	–	–	–

C-101	SO 3.7 – 4 ft. 9/18/1995 mg/kg
PCBs	
Aroclor 1248	2.3

C-105	SO 8.5 – 8.7 ft. 9/18/1995 mg/kg
PCBs	
Aroclor 1248	3.3

WTB-1	SO 4 – 6 ft. 12/20/2001 mg/kg
SVOCs	
Benzo(a)pyrene	0.184 J
Dibenz(a,h)anthracene	0.121 J
Metals	
Beryllium	0.81 J
Chromium	36.1 J
Zinc	27.5 J

C-107	SO 12.6 – 13.9 ft. 9/18/1995 mg/kg
PCBs	
Aroclor 1248	7.9

SR-318	LF SHALLOW 4/28/2003 mg/kg	LF SHALLOW 4/15/2004 mg/kg	SO 18 – 20 ft. 12/10/2001 mg/kg
VOCs			
1,1-Dichloroethene	2 J	–	–
1,2,4-Trimethylbenzene	290 D	77	–
1,2-Dichloroethene, cis-	450 D	110	0.108
1,2-Dichloroethene, trans-	3.4 J	–	–
1,3,5-Trimethylbenzene	46	11	–
Ethylbenzene	19	6.5	–
Isopropylbenzene	30	–	–
METHYLCYCLOHEXANE	7.5 J	–	–
n-Butylbenzene	120	33	–
sec-Butylbenzene	91	25	–
tert-Butylbenzene	9.7 J	–	–
Vinyl Chloride	120	66	–
Xylenes, Total	22	7.2	–
Metals			
Beryllium	–	–	0.39 J

SSB-3	SO 14 – 16 ft. 12/20/2001 mg/kg	SO 16 – 18 ft. 12/20/2001 mg/kg	WG OVERBURDEN 10/29/2002 mg/L
VOCs			
1,2,4-Trimethylbenzene	–	–	0.14
1,2-Dichloroethene, cis-	–	0.318 J	0.077
1,3,5-Trimethylbenzene	–	–	0.12
Isopropylbenzene	3.26 DJ	–	–
sec-Butylbenzene	–	–	0.021
Trichloroethene	–	–	0.028
Vinyl Chloride	–	–	0.025
Xylenes, Total	–	–	0.028
SVOCs			
Dibenz(a,h)anthracene	0.142 J	0.11 J	–
Metals			
Arsenic	–	–	0.062
Beryllium	1 J	1 J	–
Chromium	–	–	0.43
Copper	–	–	3.19
Lead	–	–	1.09
Mercury	–	1.3 J	0.12
Nickel	–	–	0.34
Thallium	–	–	0.2
Zinc	42.3 J	–	2.3

R-102	WG INTERMEDIATE 1/13/1999 mg/L	WG INTERMEDIATE 4/28/2003 mg/L	WG INTERMEDIATE 4/16/2004 mg/L
VOCs			
1,2-Dichloroethene (cis- and/or trans-)	0.12	–	–
1,2-Dichloroethene, cis-	–	0.1	0.11
Vinyl Chloride	0.035	0.035	0.037

SR-102	LF SHALLOW 1/12/1999 mg/kg	LF SHALLOW 4/28/2003 mg/kg	LF SHALLOW 4/15/2004 mg/kg	WG SHALLOW 1/14/1999 mg/L
VOCs				
1,2,4-Trimethylbenzene	–	11	–	–
1,2-Dichloroethene (cis- and/or trans-)	220/240	–	–	–
1,2-Dichloroethene, cis-	–	65	7.4/4.8	–
1,2-Dichloroethene, trans-	–	1 J	–	–
1,3,5-Trimethylbenzene	–	7.4 J	–	–
Cyclohexane	–	0.7 J	–	–
Ethylbenzene	–	0.98 J	–	–
Isopropylbenzene	–	1.8 J	–	–
METHYLCYCLOHEXANE	–	1.6 J	–	–
n-Butylbenzene	–	12	–	–
sec-Butylbenzene	–	7.2	–	–
tert-Butylbenzene	–	0.66 J	–	–
Tetrachloroethene	7/9	–	–	–
Trichloroethene	99/110	–	–	–
Vinyl Chloride	–	19	6.8/4.7	–
Xylenes, Total	–	1.2 J	–	–
Metals				
Nickel	–	–	–	0.18/0.2

DW-102	LF OVERBURDEN 4/28/2003 mg/kg
VOCs	
1,2,4-Trimethylbenzene	52
1,3,5-Trimethylbenzene	10
Isopropylbenzene	2 J
METHYLCYCLOHEXANE	2.2 J
n-Butylbenzene	20
sec-Butylbenzene	11
tert-Butylbenzene	2.2 J
Xylenes, Total	0.67 J

DATABOX LEGEND AND NOTES:

MATRIX CODES:

SO – SOIL
WG – GROUNDWATER
LF – LNAPL
SF – DNAPL
WW – WASTEWATER

WELL HORIZON CODES:

OVERBURDEN – OVERBURDEN WELL

SHALLOW
INTERMEDIATE – BEDROCK WELLS
DEEP

SSB-SC	WG SHALLOW 1/24/99 mg/kg
VOCs	
Acetone	–
Benzene	5
Toluene	–

SAMPLE LOCATION (BORING, WELL, OR MANHOLE)
ANALYTE GROUP
COMPOUND NAMES
MATRIX CODE
SAMPLE DEPTH OR WELL HORIZON
SAMPLE DATE
CONCENTRATION UNITS
REFER TO NOTES FOR EXPLANATION OF RESULTS SHOWN.

NOTES:

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DELPHI CORPORATION
REMEDIAL INVESTIGATION – LEXINGTON AVENUE FACILITY
ROCHESTER, NEW YORK

SUMMARY OF EXCEEDANCES OF SOIL AND GROUNDWATER STANDARDS CWTA COURTYARD

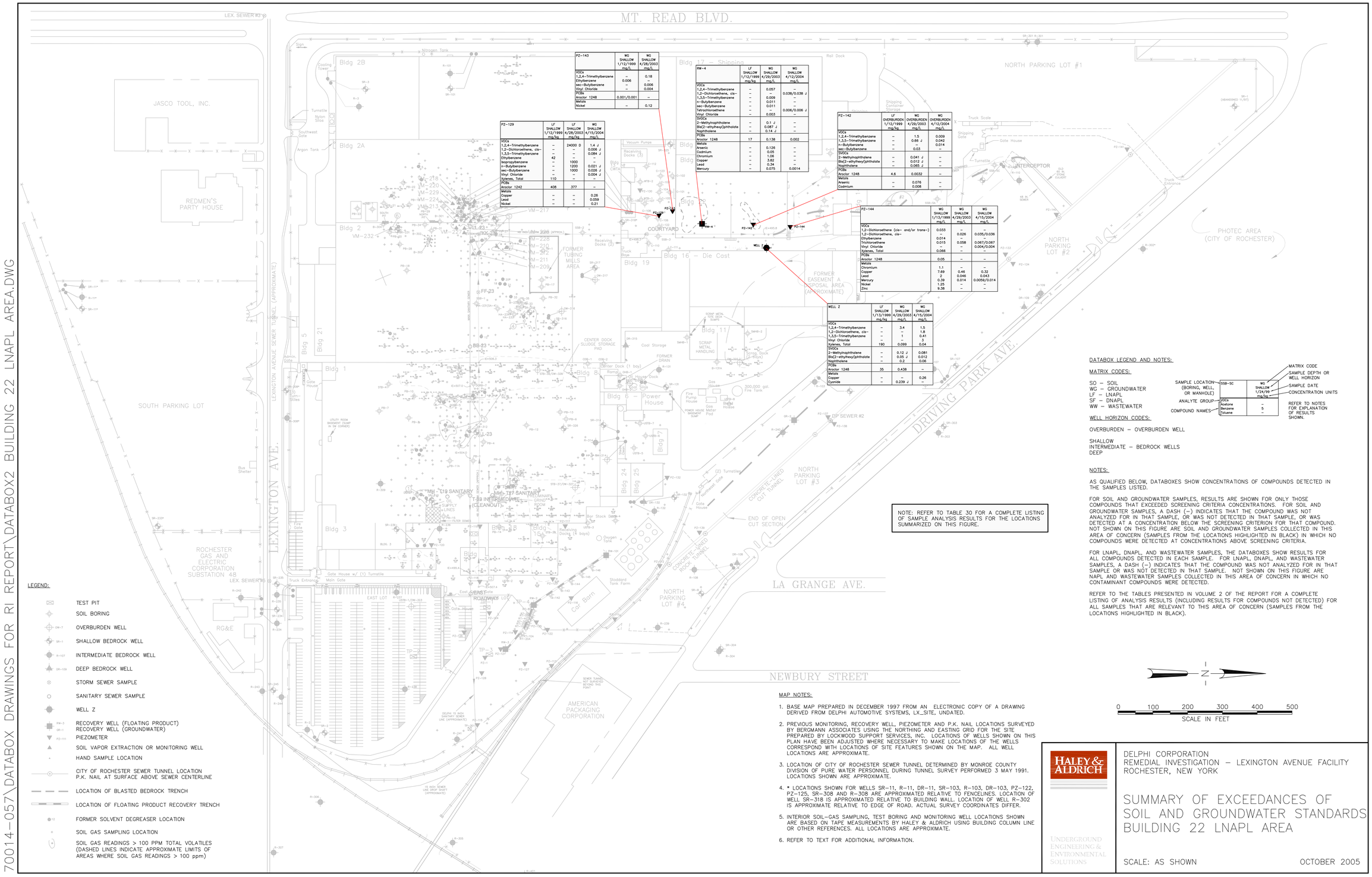
SCALE: AS SHOWN

OCTOBER 2005

FIGURE 18

70014-057\DATABOX DRAWINGS FOR RI REPORT\DATABOX2 CWTA COURTYARD.DWG

70014-057\DATABOX DRAWINGS FOR RI REPORT\DATABOX2 BUILDING 22 LNAPL AREA.DWG



PZ-143	WG SHALLOW 1/12/1999 mg/L	WG SHALLOW 4/28/2003 mg/L
VOCs		
1,2,4-Trimethylbenzene	–	0.18
Ethylbenzene	0.006	–
sec-Butylbenzene	–	0.006
Vinyl Chloride	–	0.004
PCBs		
Aroclor 1248	0.001/0.001	–
Metals		
Nickel	–	0.12

RW-4	LF SHALLOW 1/12/1999 mg/kg	WG SHALLOW 4/29/2003 mg/L	WG SHALLOW 4/12/2004 mg/L
VOCs			
1,2,4-Trimethylbenzene	–	0.057	–
1,2-Dichloroethene, cis-	–	–	0.038/0.038 J
1,3,5-Trimethylbenzene	–	0.009	–
n-Butylbenzene	–	0.011	–
sec-Butylbenzene	–	0.011	–
Tetrachloroethene	–	–	0.006/0.006 J
Vinyl Chloride	–	0.003	–
SVOCs			
2-Methylnaphthalene	–	0.1 J	–
Bis(2-ethylhexyl)phthalate	–	0.087 J	–
Naphthalene	–	0.14 J	–
PCBs			
Aroclor 1248	17	0.138	0.002
Metals			
Arsenic	–	0.126	–
Cadmium	–	0.05	–
Chromium	–	1.06	–
Copper	–	3.82	–
Lead	–	0.34	–
Mercury	–	0.075	0.0014

PZ-129	LF SHALLOW 1/12/1999 mg/kg	LF SHALLOW 4/28/2003 mg/kg	WG SHALLOW 4/15/2004 mg/L
VOCs			
1,2,4-Trimethylbenzene	–	24000 D	1.4 J
1,2-Dichloroethene, cis-	–	–	0.006 J
1,3,5-Trimethylbenzene	–	–	0.084 J
Ethylbenzene	42	–	–
Isopropylbenzene	–	1000	–
n-Butylbenzene	–	1200	0.021 J
sec-Butylbenzene	–	1000	0.026 J
Vinyl Chloride	–	–	0.004 J
Xylenes, Total	110	–	–
PCBs			
Aroclor 1242	408	377	–
Metals			
Copper	–	–	0.26
Lead	–	–	0.059
Nickel	–	–	0.21

PZ-142	LF OVERBURDEN 1/12/1999 mg/kg	WG OVERBURDEN 4/29/2003 mg/L	WG OVERBURDEN 4/12/2004 mg/L
VOCs			
1,2,4-Trimethylbenzene	–	1.5	0.009
1,3,5-Trimethylbenzene	–	0.66 J	0.042
n-Butylbenzene	–	–	0.014
sec-Butylbenzene	–	0.03	–
SVOCs			
2-Methylnaphthalene	–	0.041 J	–
Bis(2-ethylhexyl)phthalate	–	0.012 J	–
Naphthalene	–	0.065 J	–
PCBs			
Aroclor 1248	4.6	0.0032	–
Metals			
Arsenic	–	0.076	–
Cadmium	–	0.008	–

PZ-144	WG SHALLOW 1/13/1999 mg/L	WG SHALLOW 4/29/2003 mg/L	WG SHALLOW 4/15/2004 mg/L
VOCs			
1,2-Dichloroethene (cis- and/or trans-)	0.033	–	–
1,2-Dichloroethene, cis-	–	0.026	0.035/0.036
Ethylbenzene	0.014	–	–
Trichloroethene	0.015	0.058	0.067/0.067
Vinyl Chloride	–	–	0.004/0.004
Xylenes, Total	0.066	–	–
PCBs			
Aroclor 1248	0.05	–	–
Metals			
Chromium	1.1	–	–
Copper	7.69	0.46	0.32
Lead	2	0.046	0.043
Mercury	0.39	0.014	0.0059/0.014
Nickel	1.25	–	–
Zinc	9.38	–	–

WELL Z	LF SHALLOW 1/13/1999 mg/kg	WG SHALLOW 4/29/2003 mg/L	WG SHALLOW 4/15/2004 mg/L
VOCs			
1,2,4-Trimethylbenzene	–	3.4	1.5
1,2-Dichloroethene, cis-	–	–	1.8
1,3,5-Trimethylbenzene	–	1	0.41
Vinyl Chloride	–	–	3
Xylenes, Total	190	0.099	0.04
SVOCs			
2-Methylnaphthalene	–	0.12 J	0.081
Bis(2-ethylhexyl)phthalate	–	0.05 J	0.012
Naphthalene	–	0.2	0.06
PCBs			
Aroclor 1248	35	0.438	–
Metals			
Copper	–	–	0.26
Cyanide	–	0.239 J	–

NOTE: REFER TO TABLE 30 FOR A COMPLETE LISTING OF SAMPLE ANALYSIS RESULTS FOR THE LOCATIONS SUMMARIZED ON THIS FIGURE.

LEGEND:

- TEST PIT
- SOIL BORING
- OVERBURDEN WELL
- SHALLOW BEDROCK WELL
- INTERMEDIATE BEDROCK WELL
- DEEP BEDROCK WELL
- STORM SEWER SAMPLE
- SANITARY SEWER SAMPLE
- WELL Z
- RECOVERY WELL (FLOATING PRODUCT)
- RECOVERY WELL (GROUNDWATER)
- PIEZOMETER
- SOIL VAPOR EXTRACTION OR MONITORING WELL
- HAND SAMPLE LOCATION
- CITY OF ROCHESTER SEWER TUNNEL LOCATION P.K. NAIL AT SURFACE ABOVE SEWER CENTERLINE
- LOCATION OF BLASTED BEDROCK TRENCH
- LOCATION OF FLOATING PRODUCT RECOVERY TRENCH
- FORMER SOLVENT DEGREASER LOCATION
- SOIL GAS SAMPLING LOCATION
- SOIL GAS READINGS > 100 PPM TOTAL VOLATILES (DASHED LINES INDICATE APPROXIMATE LIMITS OF AREAS WHERE SOIL GAS READINGS > 100 ppm)

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LF – LNAPL
SF – DNAPL
WW – WASTEWATER

WELL HORIZON CODES:

OVERBURDEN – OVERBURDEN WELL

SHALLOW
INTERMEDIATE – BEDROCK WELLS
DEEP

SB-SC	WG SHALLOW 1/24/99 mg/kg
VOCs	
Acetone	–
Benzene	5
Toluene	–

SAMPLE LOCATION (BORING, WELL, OR MANHOLE) — MATRIX CODE — SAMPLE DEPTH OR WELL HORIZON — SAMPLE DATE — CONCENTRATION UNITS — ANALYTE GROUP — COMPOUND NAMES — REFER TO NOTES FOR EXPLANATION OF RESULTS SHOWN.

NOTES:

AS QUALIFIED BELOW, DATABOXES SHOW CONCENTRATIONS OF COMPOUNDS DETECTED IN THE SAMPLES LISTED.

FOR SOIL AND GROUNDWATER SAMPLES, RESULTS ARE SHOWN FOR ONLY THOSE COMPOUNDS THAT EXCEEDED SCREENING CRITERIA CONCENTRATIONS. FOR SOIL AND GROUNDWATER SAMPLES, A DASH (–) INDICATES THAT THE COMPOUND WAS NOT ANALYZED FOR IN THAT SAMPLE, OR WAS NOT DETECTED IN THAT SAMPLE, OR WAS DETECTED AT A CONCENTRATION BELOW THE SCREENING CRITERION FOR THAT COMPOUND. NOT SHOWN ON THIS FIGURE ARE SOIL AND GROUNDWATER SAMPLES COLLECTED IN THIS AREA OF CONCERN (SAMPLES FROM THE LOCATIONS HIGHLIGHTED IN BLACK) IN WHICH NO COMPOUNDS WERE DETECTED AT CONCENTRATIONS ABOVE SCREENING CRITERIA.

FOR LNAPL, DNAPL, AND WASTEWATER SAMPLES, THE DATABOXES SHOW RESULTS FOR ALL COMPOUNDS DETECTED IN EACH SAMPLE. FOR LNAPL, DNAPL, AND WASTEWATER SAMPLES, A DASH (–) INDICATES THAT THE COMPOUND WAS NOT ANALYZED FOR IN THAT SAMPLE OR WAS NOT DETECTED IN THAT SAMPLE. NOT SHOWN ON THIS FIGURE ARE NAPL AND WASTEWATER SAMPLES COLLECTED IN THIS AREA OF CONCERN IN WHICH NO CONTAMINANT COMPOUNDS WERE DETECTED.

REFER TO THE TABLES PRESENTED IN VOLUME 2 OF THE REPORT FOR A COMPLETE LISTING OF ANALYSIS RESULTS (INCLUDING RESULTS FOR COMPOUNDS NOT DETECTED) FOR ALL SAMPLES THAT ARE RELEVANT TO THIS AREA OF CONCERN (SAMPLES FROM THE LOCATIONS HIGHLIGHTED IN BLACK).

N

0 100 200 300 400 500
SCALE IN FEET

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

DELPHI CORPORATION
REMEDIAL INVESTIGATION – LEXINGTON AVENUE FACILITY
ROCHESTER, NEW YORK

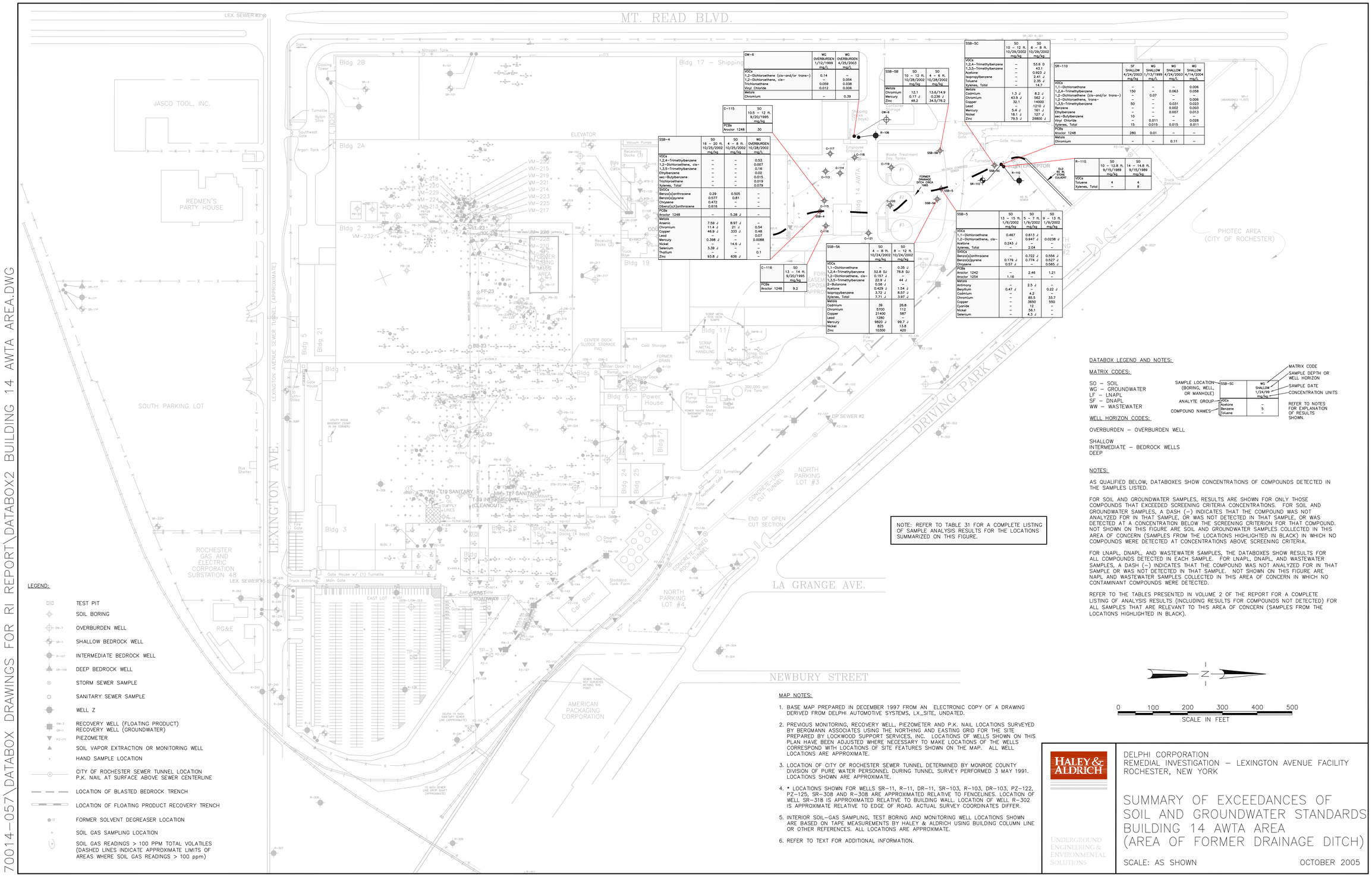
SUMMARY OF EXCEEDANCES OF SOIL AND GROUNDWATER STANDARDS BUILDING 22 LNAPL AREA

SCALE: AS SHOWN

OCTOBER 2005

FIGURE 19

70014-057\DATABOX DRAWINGS FOR RI REPORT\DATABOX2 BUILDING 14 AWTA AREA.DWG



OW-6	WG OVERBURDEN 1/12/1999 mg/L	WG OVERBURDEN 4/25/2003 mg/L
VOCs		
1,2-Dichloroethene (cis-and/or trans-)	0.14	–
1,2-Dichloroethene, cis-	–	0.054
Trichloroethene	0.059	0.038
Vinyl Chloride	0.012	0.006
Metals		
Chromium	–	0.39

C-115	SO 10.5 – 12 ft. 9/20/1995 mg/kg
PCBs	
Aroclor 1248	30

SSB-4	SO 18 – 20 ft. 10/25/2002 mg/kg	SO 4 – 8 ft. 10/25/2002 mg/kg	WG OVERBURDEN 10/28/2002 mg/L
VOCs			
1,2,4-Trimethylbenzene	–	–	0.53
1,2-Dichloroethene, cis-	–	–	0.007
1,3,5-Trimethylbenzene	–	–	0.18
Ethylbenzene	–	–	0.02
sec-Butylbenzene	–	–	0.015
Trichloroethene	–	–	0.019
Xylenes, Total	–	–	0.079
SVOCs			
Benzo(a)anthracene	0.29	0.505	–
Benzo(a)pyrene	0.577	0.81	–
Chrysene	0.472	–	–
Dibenz(a,h)anthracene	0.616	–	–
PCBs			
Aroclor 1248	–	5.28 J	–
Metals			
Arsenic	7.59 J	8.97 J	–
Chromium	11.4 J	21 J	0.54
Copper	46.9 J	333 J	0.48
Lead	–	–	0.07
Mercury	0.398 J	–	0.0088
Nickel	–	14.6 J	–
Selenium	3.39 J	–	–
Thallium	–	–	0.1
Zinc	93.8 J	636 J	–

C-116	SO 13 – 14 ft. 9/20/1995 mg/kg
PCBs	
Aroclor 1248	9.2

SSB-5A	SO 4 – 8 ft. 10/24/2002 mg/kg	SO 8 – 12 ft. 10/24/2002 mg/kg
VOCs		
1,1-Dichloroethane	–	0.35 J
1,2,4-Trimethylbenzene	52.8 DJ	78.8 DJ
1,2-Dichloroethene, cis-	0.157 J	–
1,3,5-Trimethylbenzene	22.9 J	44 J
2-Butanone	0.58 J	–
Acetone	0.429 J	1.54 J
Isopropylbenzene	3.72 J	8.57 J
Xylenes, Total	7.71 J	3.97 J
Metals		
Cadmium	39	26.8
Chromium	5700	112
Copper	21400	587
Lead	1280	–
Mercury	9820 J	99.7 J
Nickel	825	13.8
Zinc	10300	420

SSB-5B	SO 10 – 12 ft. 10/28/2002 mg/kg	SO 4 – 6 ft. 10/28/2002 mg/kg
Metals		
Chromium	12.1	13.6/14.9
Mercury	0.17 J	0.236 J
Zinc	48.2	34.5/76.2

SSB-5C	SO 10 – 12 ft. 10/29/2002 mg/kg	SO 6 – 8 ft. 10/29/2002 mg/kg
VOCs		
1,2,4-Trimethylbenzene	–	53.6 D
1,3,5-Trimethylbenzene	–	43.1
Acetone	–	0.923 J
Isopropylbenzene	–	2.41 J
Toluene	–	2.35 J
Xylenes, Total	–	14.7
Metals		
Cadmium	1.3 J	8.2 J
Chromium	43.9 J	562 J
Copper	32.1	14000
Lead	–	1210 J
Mercury	5.4 J	161 J
Nickel	18.1 J	127 J
Zinc	79.5 J	29800 J

SR-110	SF SHALLOW 4/24/2003 mg/kg	WG SHALLOW 1/13/1999 mg/L	WG SHALLOW 4/24/2003 mg/L	WG SHALLOW 4/14/2004 mg/L
VOCs				
1,1-Dichloroethane	–	–	–	0.006
1,2,4-Trimethylbenzene	150	–	0.063	0.058
1,2-Dichloroethene (cis-and/or trans-)	–	0.07	–	–
1,2-Dichloroethene, trans-	–	–	–	0.006
1,3,5-Trimethylbenzene	50	–	0.031	0.023
Benzene	–	–	0.002	0.003
Ethylbenzene	–	–	0.007	0.013
sec-Butylbenzene	10	–	–	–
Vinyl Chloride	–	0.011	–	0.028
Xylenes, Total	15	0.015	0.015	0.011
PCBs				
Aroclor 1248	280	0.01	–	–
Metals				
Chromium	–	–	0.11	–

R-110D	SO 10 – 12.8 ft. 9/15/1989 mg/kg	SO 14 – 14.8 ft. 9/15/1989 mg/kg
VOCs		
Toluene	4	4
Xylenes, Total	–	8

SSB-5	SO 13 – 15 ft. 1/9/2002 mg/kg	SO 5 – 7 ft. 1/9/2002 mg/kg	SO 9 – 13 ft. 1/9/2002 mg/kg
VOCs			
1,1-Dichloroethane	0.467	0.613 J	–
1,2-Dichloroethene, cis-	–	0.947 J	0.023B J
Acetone	0.243 J	–	–
Xylenes, Total	–	2.04	–
SVOCs			
Benzo(a)anthracene	–	0.722 J	0.556 J
Benzo(a)pyrene	0.179 J	0.774 J	0.527 J
Chrysene	0.57 J	–	0.565 J
PCBs			
Aroclor 1242	–	2.46	1.21
Aroclor 1254	1.16	–	–
Metals			
Antimony	–	2.5 J	–
Beryllium	0.47 J	–	0.22 J
Cadmium	–	4.2	–
Chromium	–	85.5	33.7
Copper	–	3850	550
Cyanide	–	12	–
Nickel	–	58.1	–
Selenium	–	4.3 J	–

DATABOX LEGEND AND NOTES:

MATRIX CODES:

SO – SOIL
WG – GROUNDWATER
LF – LNAPL
SF – DNAPL
WW – WASTEWATER

WELL HORIZON CODES:

OVERBURDEN – OVERBURDEN WELL

SHALLOW
INTERMEDIATE – BEDROCK WELLS
DEEP

SSB-5C	WG SHALLOW 1/24/99 mg/kg
VOCs	
Acetone	–
Benzene	5
Toluene	–

SAMPLE LOCATION (BORING, WELL, OR MANHOLE) — MATRIX CODE — SAMPLE DEPTH OR WELL HORIZON — SAMPLE DATE — CONCENTRATION UNITS — ANALYTE GROUP — COMPOUND NAMES — REFER TO NOTES FOR EXPLANATION OF RESULTS SHOWN.

NOTES:

AS QUALIFIED BELOW, DATABOXES SHOW CONCENTRATIONS OF COMPOUNDS DETECTED IN THE SAMPLES LISTED.

FOR SOIL AND GROUNDWATER SAMPLES, RESULTS ARE SHOWN FOR ONLY THOSE COMPOUNDS THAT EXCEEDED SCREENING CRITERIA CONCENTRATIONS. FOR SOIL AND GROUNDWATER SAMPLES, A DASH (–) INDICATES THAT THE COMPOUND WAS NOT ANALYZED FOR IN THAT SAMPLE, OR WAS NOT DETECTED IN THAT SAMPLE, OR WAS DETECTED AT A CONCENTRATION BELOW THE SCREENING CRITERION FOR THAT COMPOUND. NOT SHOWN ON THIS FIGURE ARE SOIL AND GROUNDWATER SAMPLES COLLECTED IN THIS AREA OF CONCERN (SAMPLES FROM THE LOCATIONS HIGHLIGHTED IN BLACK) IN WHICH NO COMPOUNDS WERE DETECTED AT CONCENTRATIONS ABOVE SCREENING CRITERIA.

FOR LNAPL, DNAPL, AND WASTEWATER SAMPLES, THE DATABOXES SHOW RESULTS FOR ALL COMPOUNDS DETECTED IN EACH SAMPLE. FOR LNAPL, DNAPL, AND WASTEWATER SAMPLES, A DASH (–) INDICATES THAT THE COMPOUND WAS NOT ANALYZED FOR IN THAT SAMPLE OR WAS NOT DETECTED IN THAT SAMPLE. NOT SHOWN ON THIS FIGURE ARE NAPL AND WASTEWATER SAMPLES COLLECTED IN THIS AREA OF CONCERN IN WHICH NO CONTAMINANT COMPOUNDS WERE DETECTED.

REFER TO THE TABLES PRESENTED IN VOLUME 2 OF THE REPORT FOR A COMPLETE LISTING OF ANALYSIS RESULTS (INCLUDING RESULTS FOR COMPOUNDS NOT DETECTED) FOR ALL SAMPLES THAT ARE RELEVANT TO THIS AREA OF CONCERN (SAMPLES FROM THE LOCATIONS HIGHLIGHTED IN BLACK).

LEGEND:

- TEST PIT
- SOIL BORING
- OW-7 OVERBURDEN WELL
- SR-1 SHALLOW BEDROCK WELL
- R-107 INTERMEDIATE BEDROCK WELL
- DR-109 DEEP BEDROCK WELL
- STORM SEWER SAMPLE
- SANITARY SEWER SAMPLE
- WELL Z
- RW-3 RECOVERY WELL (FLOATING PRODUCT)
- GR-1 RECOVERY WELL (GROUNDWATER)
- PZ-101 PIEZOMETER
- SOIL VAPOR EXTRACTION OR MONITORING WELL
- HAND SAMPLE LOCATION
- CITY OF ROCHESTER SEWER TUNNEL LOCATION P.K. NAIL AT SURFACE ABOVE SEWER CENTERLINE
- LOCATION OF BLASTED BEDROCK TRENCH
- LOCATION OF FLOATING PRODUCT RECOVERY TRENCH
- 12 FORMER SOLVENT DEGREASER LOCATION
- SOIL GAS SAMPLING LOCATION
- SOIL GAS READINGS > 100 PPM TOTAL VOLATILES (DASHED LINES INDICATE APPROXIMATE LIMITS OF AREAS WHERE SOIL GAS READINGS > 100 ppm)

MAP NOTES:

1. BASE MAP PREPARED IN DECEMBER 1997 FROM AN ELECTRONIC COPY OF A DRAWING DERIVED FROM DELPHI AUTOMOTIVE SYSTEMS, LX_SITE, UNDATED.
2. PREVIOUS MONITORING, RECOVERY WELL, PIEZOMETER AND P.K. NAIL LOCATIONS SURVEYED BY BERGMANN ASSOCIATES USING THE NORTHING AND EASTING GRID FOR THE SITE PREPARED BY LOCKWOOD SUPPORT SERVICES, INC. LOCATIONS OF WELLS SHOWN ON THIS PLAN HAVE BEEN ADJUSTED WHERE NECESSARY TO MAKE LOCATIONS OF THE WELLS CORRESPOND WITH LOCATIONS OF SITE FEATURES SHOWN ON THE MAP. ALL WELL LOCATIONS ARE APPROXIMATE.
3. LOCATION OF CITY OF ROCHESTER SEWER TUNNEL DETERMINED BY MONROE COUNTY DIVISION OF PURE WATER PERSONNEL DURING TUNNEL SURVEY PERFORMED 3 MAY 1991. LOCATIONS SHOWN ARE APPROXIMATE.
4. * LOCATIONS SHOWN FOR WELLS SR-11, R-11, DR-11, SR-103, R-103, DR-103, PZ-122, PZ-125, SR-308 AND R-308 ARE APPROXIMATED RELATIVE TO FENCELINES. LOCATION OF WELL SR-318 IS APPROXIMATED RELATIVE TO BUILDING WALL. LOCATION OF WELL R-302 IS APPROXIMATE RELATIVE TO EDGE OF ROAD. ACTUAL SURVEY COORDINATES DIFFER.
5. INTERIOR SOIL-GAS SAMPLING, TEST BORING AND MONITORING WELL LOCATIONS SHOWN ARE BASED ON TAPE MEASUREMENTS BY HALEY & ALDRICH USING BUILDING COLUMN LINE OR OTHER REFERENCES. ALL LOCATIONS ARE APPROXIMATE.
6. REFER TO TEXT FOR ADDITIONAL INFORMATION.

N

0 100 200 300 400 500
SCALE IN FEET

HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

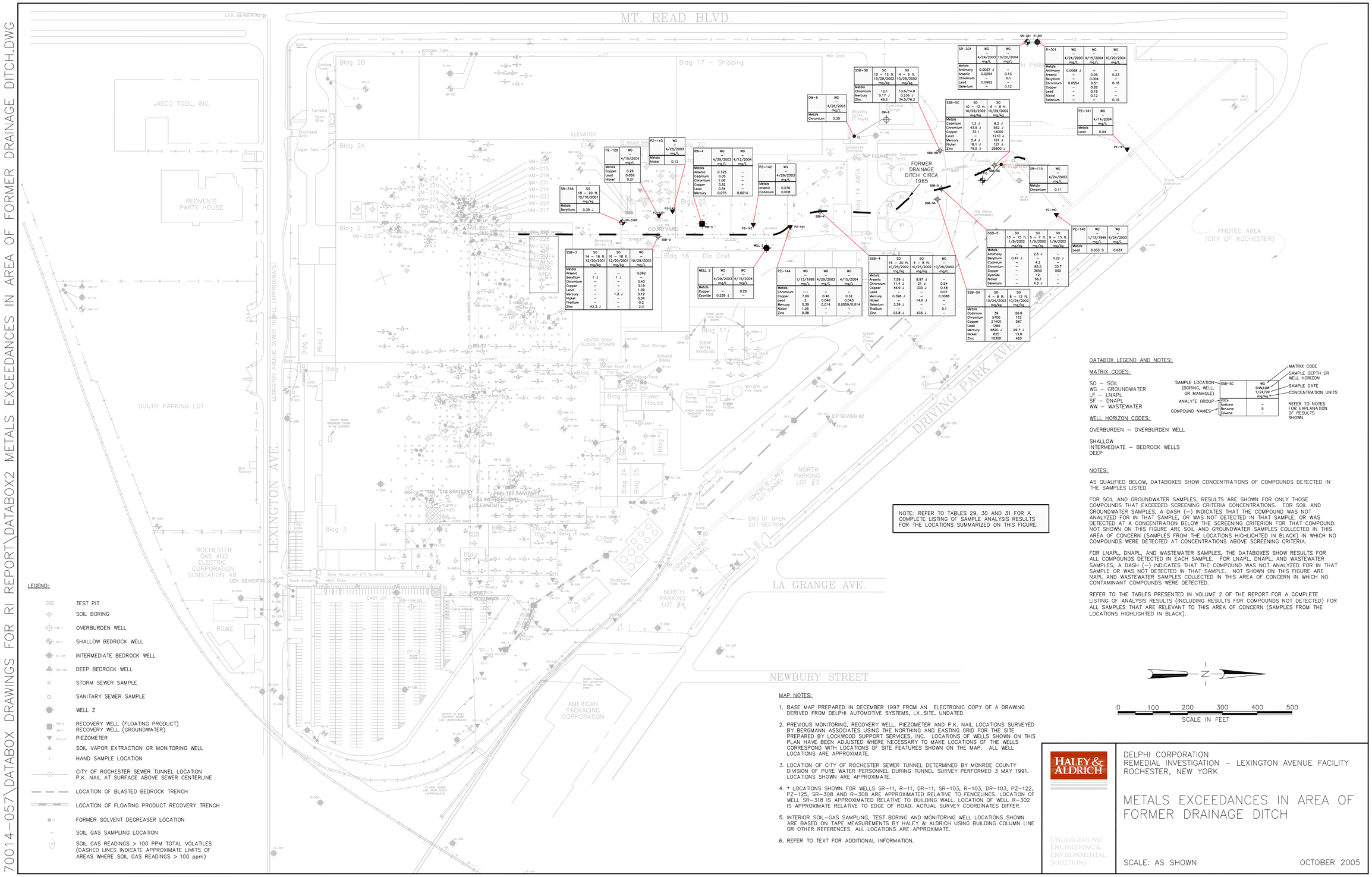
DELPHI CORPORATION
REMEDIAL INVESTIGATION – LEXINGTON AVENUE FACILITY
ROCHESTER, NEW YORK

SUMMARY OF EXCEEDANCES OF SOIL AND GROUNDWATER STANDARDS BUILDING 14 AWTA AREA (AREA OF FORMER DRAINAGE DITCH)

SCALE: AS SHOWN — OCTOBER 2005

FIGURE 20

70014-057\DATABOX DRAWINGS FOR RI REPORT\DATABOX2 METALS EXCEEDANCES IN AREA OF FORMER DRAINAGE DITCH.DWG



NOTE: REFER TO TABLES 29, 30 AND 31 FOR A COMPLETE LISTING OF SAMPLE ANALYSIS RESULTS FOR THE LOCATIONS SUMMARIZED ON THIS FIGURE.

LEGEND:

- TEST PIT
- SOIL BORING
- OW-7 OVERBURDEN WELL
- SR-11 SHALLOW BEDROCK WELL
- R-107 INTERMEDIATE BEDROCK WELL
- DR-109 DEEP BEDROCK WELL
- STORM SEWER SAMPLE
- SANITARY SEWER SAMPLE
- WELL Z
- RW-3 RECOVERY WELL (FLOATING PRODUCT)
- GR-1 RECOVERY WELL (GROUNDWATER)
- PZ-151 PIEZOMETER
- SOIL VAPOR EXTRACTION OR MONITORING WELL
- HAND SAMPLE LOCATION
- CITY OF ROCHESTER SEWER TUNNEL LOCATION P.K. NAIL AT SURFACE ABOVE SEWER CENTERLINE
- LOCATION OF BLASTED BEDROCK TRENCH
- LOCATION OF FLOATING PRODUCT RECOVERY TRENCH
- 12 FORMER SOLVENT DEGREASER LOCATION
- SOIL GAS SAMPLING LOCATION
- SOIL GAS READINGS > 100 PPM TOTAL VOLATILES (DASHED LINES INDICATE APPROXIMATE LIMITS OF AREAS WHERE SOIL GAS READINGS > 100 ppm)

MAP NOTES:

1. BASE MAP PREPARED IN DECEMBER 1997 FROM AN ELECTRONIC COPY OF A DRAWING DERIVED FROM DELPHI AUTOMOTIVE SYSTEMS, LX_SITE, UNDATED.
2. PREVIOUS MONITORING, RECOVERY WELL, PIEZOMETER AND P.K. NAIL LOCATIONS SURVEYED BY BERGMANN ASSOCIATES USING THE NORTHING AND EASTING GRID FOR THE SITE PREPARED BY LOCKWOOD SUPPORT SERVICES, INC. LOCATIONS OF WELLS SHOWN ON THIS PLAN HAVE BEEN ADJUSTED WHERE NECESSARY TO MAKE LOCATIONS OF THE WELLS CORRESPOND WITH LOCATIONS OF SITE FEATURES SHOWN ON THE MAP. ALL WELL LOCATIONS ARE APPROXIMATE.
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4. * LOCATIONS SHOWN FOR WELLS SR-11, R-11, DR-11, SR-103, R-103, DR-103, PZ-122, PZ-125, SR-308 AND R-308 ARE APPROXIMATED RELATIVE TO FENCELINES. LOCATION OF WELL SR-318 IS APPROXIMATED RELATIVE TO BUILDING WALL. LOCATION OF WELL R-302 IS APPROXIMATE RELATIVE TO EDGE OF ROAD. ACTUAL SURVEY COORDINATES DIFFER.
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6. REFER TO TEXT FOR ADDITIONAL INFORMATION.

DATABOX LEGEND AND NOTES:

MATRIX CODES:

SO – SOIL
WG – GROUNDWATER
LF – LNAPL
SF – DNAPL
WW – WASTEWATER

WELL HORIZON CODES:

OVERBURDEN – OVERBURDEN WELL

SHALLOW
INTERMEDIATE – BEDROCK WELLS
DEEP

SSB-5C	SO	SO
	10 – 12 ft.	6 – 8 ft.
	10/29/2002	10/29/2002
	mg/kg	mg/kg
Metals		
Cadmium	1.3 J	8.2 J
Chromium	43.9 J	562 J
Copper	32.1	14000
Lead	–	1210 J
Mercury	5.4 J	181 J
Nickel	18.1 J	127 J
Zinc	79.5 J	29800 J

SAMPLE LOCATION (BORING, WELL, OR MANHOLE) – SSB-5C
MATRIX CODE – WG
SAMPLE DEPTH OR WELL HORIZON – SHALLOW
SAMPLE DATE – 1/24/99
CONCENTRATION UNITS – mg/kg
ANALYTE GROUP – VOCs
COMPOUND NAMES – Acetone, Benzene, Toluene
REFER TO NOTES FOR EXPLANATION OF RESULTS SHOWN.

NOTES:

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FOR SOIL AND GROUNDWATER SAMPLES, RESULTS ARE SHOWN FOR ONLY THOSE COMPOUNDS THAT EXCEEDED SCREENING CRITERIA CONCENTRATIONS. FOR SOIL AND GROUNDWATER SAMPLES, A DASH (–) INDICATES THAT THE COMPOUND WAS NOT ANALYZED FOR IN THAT SAMPLE, OR WAS NOT DETECTED IN THAT SAMPLE, OR WAS DETECTED AT A CONCENTRATION BELOW THE SCREENING CRITERION FOR THAT COMPOUND. NOT SHOWN ON THIS FIGURE ARE SOIL AND GROUNDWATER SAMPLES COLLECTED IN THIS AREA OF CONCERN (SAMPLES FROM THE LOCATIONS HIGHLIGHTED IN BLACK) IN WHICH NO COMPOUNDS WERE DETECTED AT CONCENTRATIONS ABOVE SCREENING CRITERIA.

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N

0 100 200 300 400 500
SCALE IN FEET

HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

DELPHI CORPORATION
REMEDIAL INVESTIGATION – LEXINGTON AVENUE FACILITY
ROCHESTER, NEW YORK

METALS EXCEEDANCES IN AREA OF FORMER DRAINAGE DITCH

SCALE: AS SHOWN

OCTOBER 2005

FIGURE 21