US EPA RECORDS CENTER REGION 5
460121

N
11/14/11

Additional Groundwater Studies

Prepared for

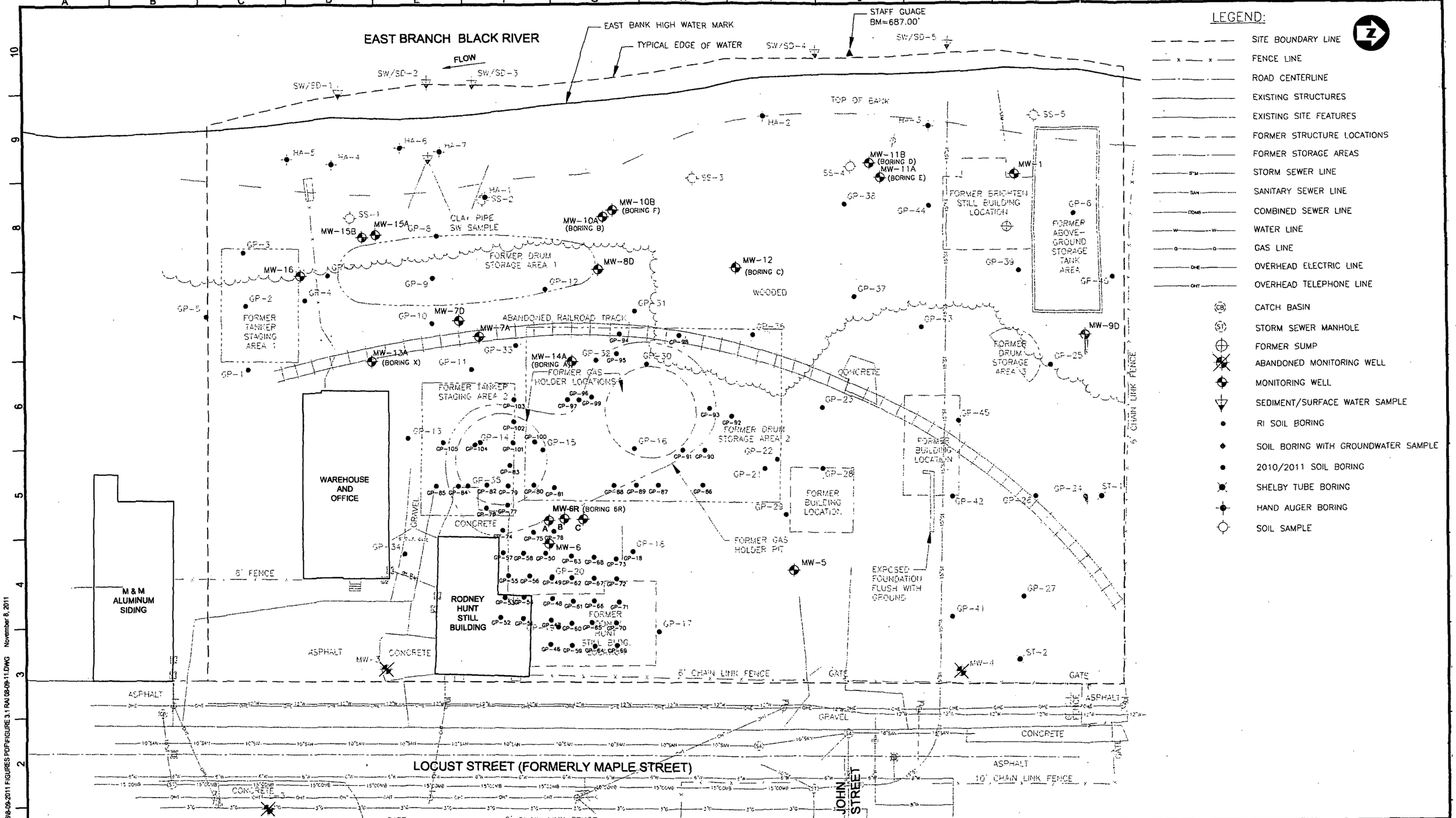
CRS Site RD/RA Performing Parties
Chemical Recovery Systems, Inc. (CRS) Site
Elyria, Ohio

Figures and Tables

November 14, 2011

Brown AND Caldwell

4700 Lakehurst Court, Suite 100
Dublin, Ohio 43016



Brown AND Caldwell
COLUMBUS, OHIO

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APPROVED: _____ DATE: _____ (BROWN AND CALDWELL)

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CHECKED:
CHECKED:
APPROVED: JP

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

0 20 40
SCALE IN FEET

CHEMICAL RECOVERY SYSTEMS SITE
ELYRIA, OHIO

SITE BASEMAP

FILENAME: FIGURES.DWG
BC PROJECT NUMBER: XXXXXX
CLIENT PROJECT NUMBER
FIGURE NUMBER: 1

D:\CRS\DRAWINGS\CAD\FIGURES\8-09-2011 FIGURES PDF\FIGURE 3.1 RAI 08-09-11.DWG November 8, 2011

November 8, 2011

EAST BRANCH BLACK RIVER

FLOW

EAST BANK HIGH WATER MARK

TYPICAL EDGE OF WATER

STAFF GUAGE
BM=687.00'

TOP OF BANK

CLAY PIPE
SW SAMPLE

FORMER DRUM
STORAGE AREA 1

FORMER TANKER
STAGING
AREA 1

ABANDONED RAILROAD TRACK

WOODED

FORMER TANKER
STAGING AREA 2

APPROX. BEDROCK ELEV.
693.0 FEET MSL

FORMER GAS
HOLDER PIT

FORMER DRUM
STORAGE AREA 2

FORMER BRICKEN
STILL BUILDING
LOCATION

FORMER
ABOVE-
GROUND
STORAGE
TANK
AREA

FORMER DRUM
STORAGE
AREA 3

FORMER
BUILDING
LOCATION

WAREHOUSE
AND
OFFICE

RODNEY
HUNT
STILL
BUILDING

EXPOSED
FOUNDATION
FLUSH WITH
GROUND

6' FENCE

6' CHAIN LINK FENCE

ASPHALT

CONCRETE

GRAVEL

GATE

LOCUST STREET (FORMERLY MAPLE STREET)

JOHN STREET

10' CHAIN LINK FENCE

LEGEND:

- SITE BOUNDARY LINE
- FENCE LINE
- ROAD CENTERLINE
- EXISTING STRUCTURES
- EXISTING SITE FEATURES
- FORMER STRUCTURE LOCATIONS
- FORMER STORAGE AREAS
- STORM SEWER LINE
- SANITARY SEWER LINE
- COMBINED SEWER LINE
- WATER LINE
- GAS LINE
- OVERHEAD ELECTRIC LINE
- OVERHEAD TELEPHONE LINE
- CATCH BASIN
- STORM SEWER MANHOLE
- FORMER SUMP
- ABANDONED MONITORING WELL
- MONITORING WELL
- SEDIMENT/SURFACE WATER SAMPLE
- RI SOIL BORING
- SOIL BORING WITH GROUNDWATER SAMPLE
- 2010/2011 SOIL BORING
- SHELBY TUBE BORING
- HAND AUGER BORING
- SOIL SAMPLE
- 698.4 BEDROCK ELEVATION(FEET)
- 698.5E ESTIMATED ELEVATION(END OF BORING)
- 698.5* NOT USED IN CONTOURING
- FORMER GAS HOLDER PIT

Brown AND Caldwell
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PROJECT MANAGER

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BROWN AND CALDWELL

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APPROVED: JP

EXTERNAL REFERENCE FILES

REVISIONS					
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0 20 40
SCALE IN FEET

CHEMICAL RECOVERY SYSTEMS SITE
ELYRIA, OHIO

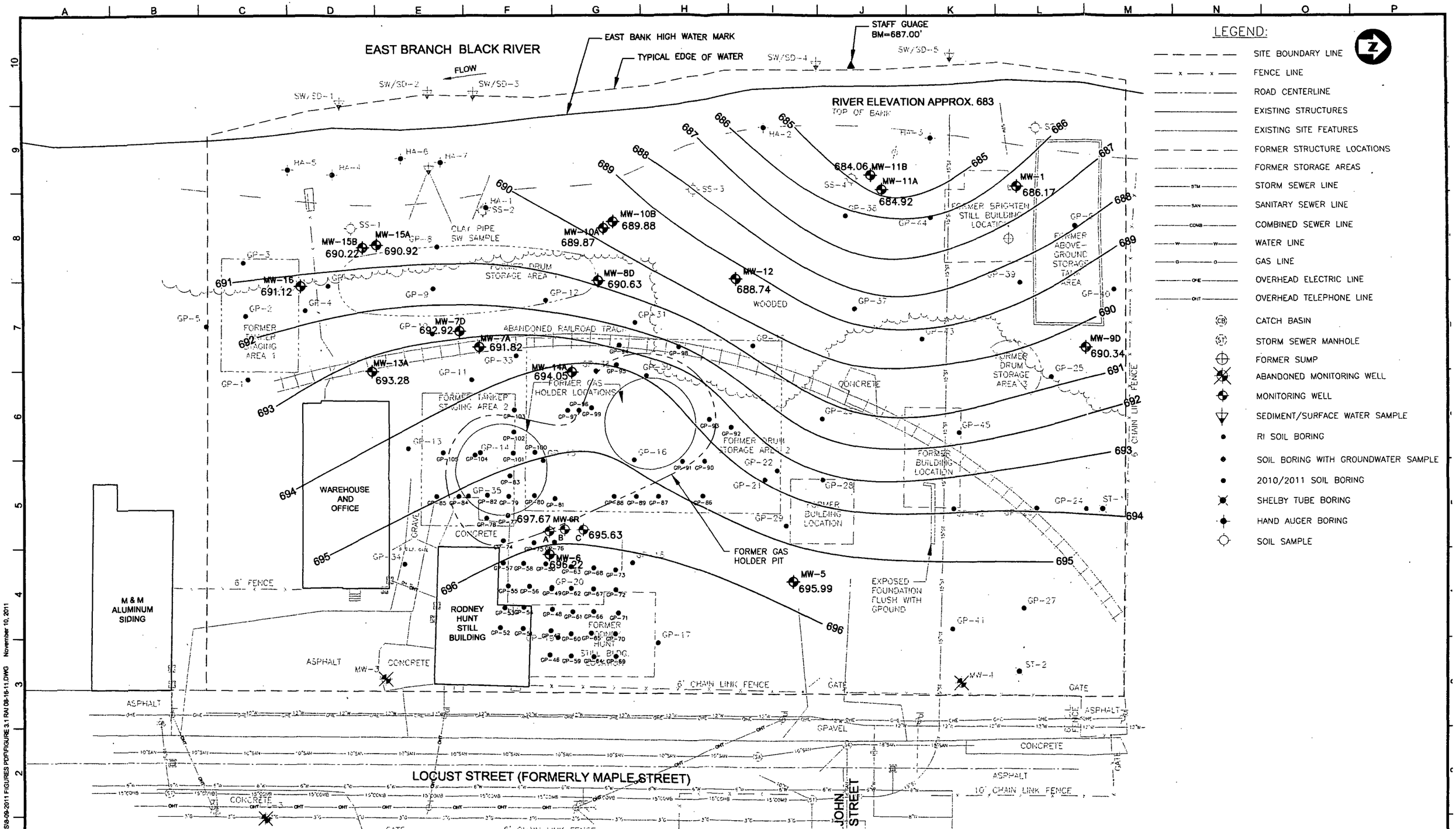
BEDROCK SURFACE MAP
08/16/2011

FILENAME
FIGURES.DWG
BC PROJECT NUMBER
XXXXXX
CLIENT PROJECT NUMBER

FIGURE NUMBER
2

O:\CRS\DRAWINGS\CAD\FIGURES\8-09-2011 FIGURES PDF\FIGURE 3.1 RAI 08-16-11.DWG November 8, 2011

November 8, 2011



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APPROVED: _____ DATE: _____
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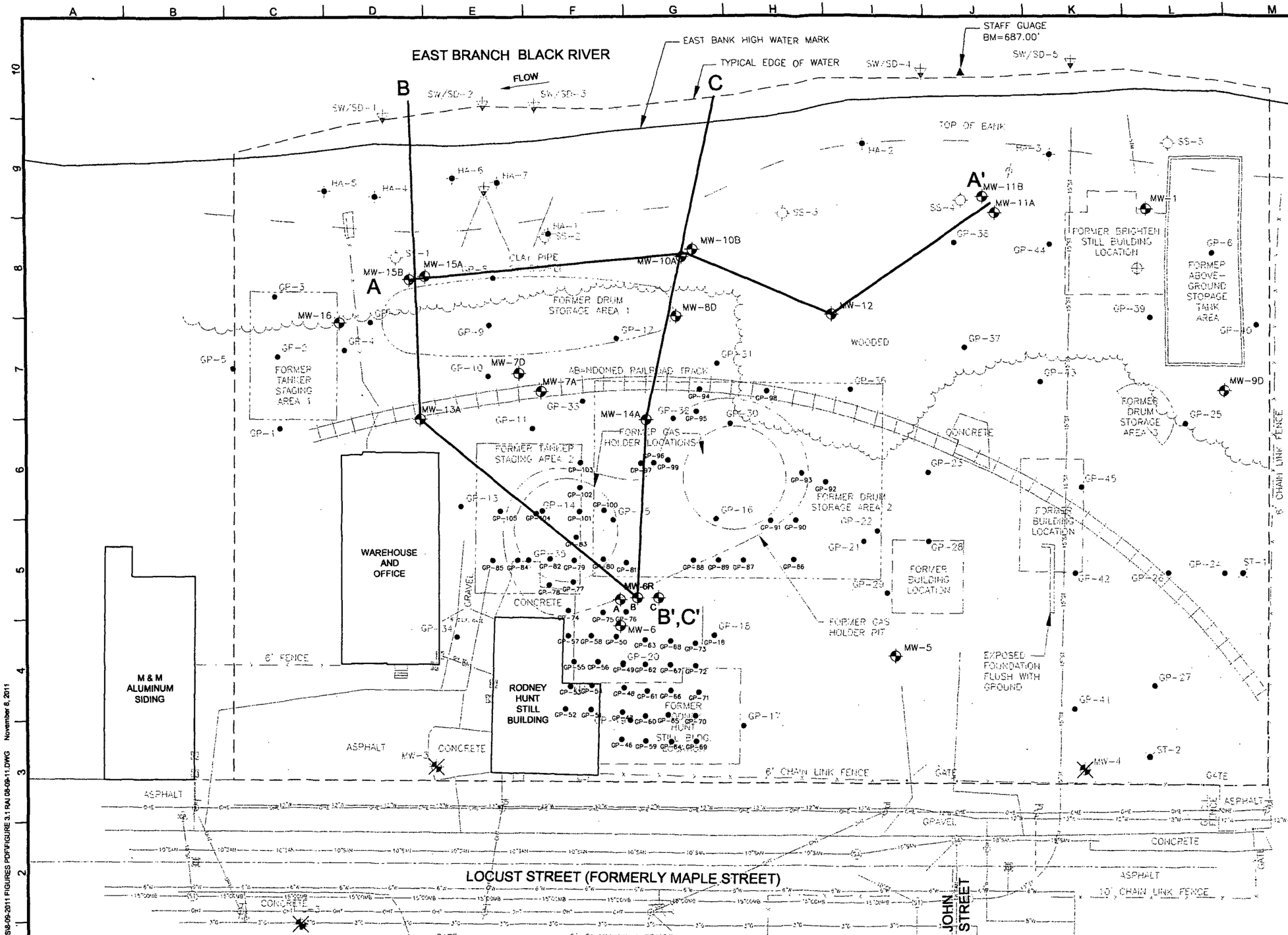
0 20 40
SCALE IN FEET

CHEMICAL RECOVERY SYSTEMS SITE
ELYRIA, OHIO

POTENTIOMETRIC SURFACE MAP
8/16/2011

FILENAME FIGURES.DWG
BC PROJECT NUMBER XXXXXX
CLIENT PROJECT NUMBER
FIGURE NUMBER
3

O:\CRS\DRAWINGS\CAD\FIGURES\8-09-2011 FIGURES PDF\FIGURE 3.1 RAI 08-16-11.DWG November 10, 2011
November 10, 2011



LEGEND:

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- SOIL SAMPLE

0 20 40
SCALE IN FEET

Brown AND Caldwell
COLUMBUS, OHIO

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REVISIONS					
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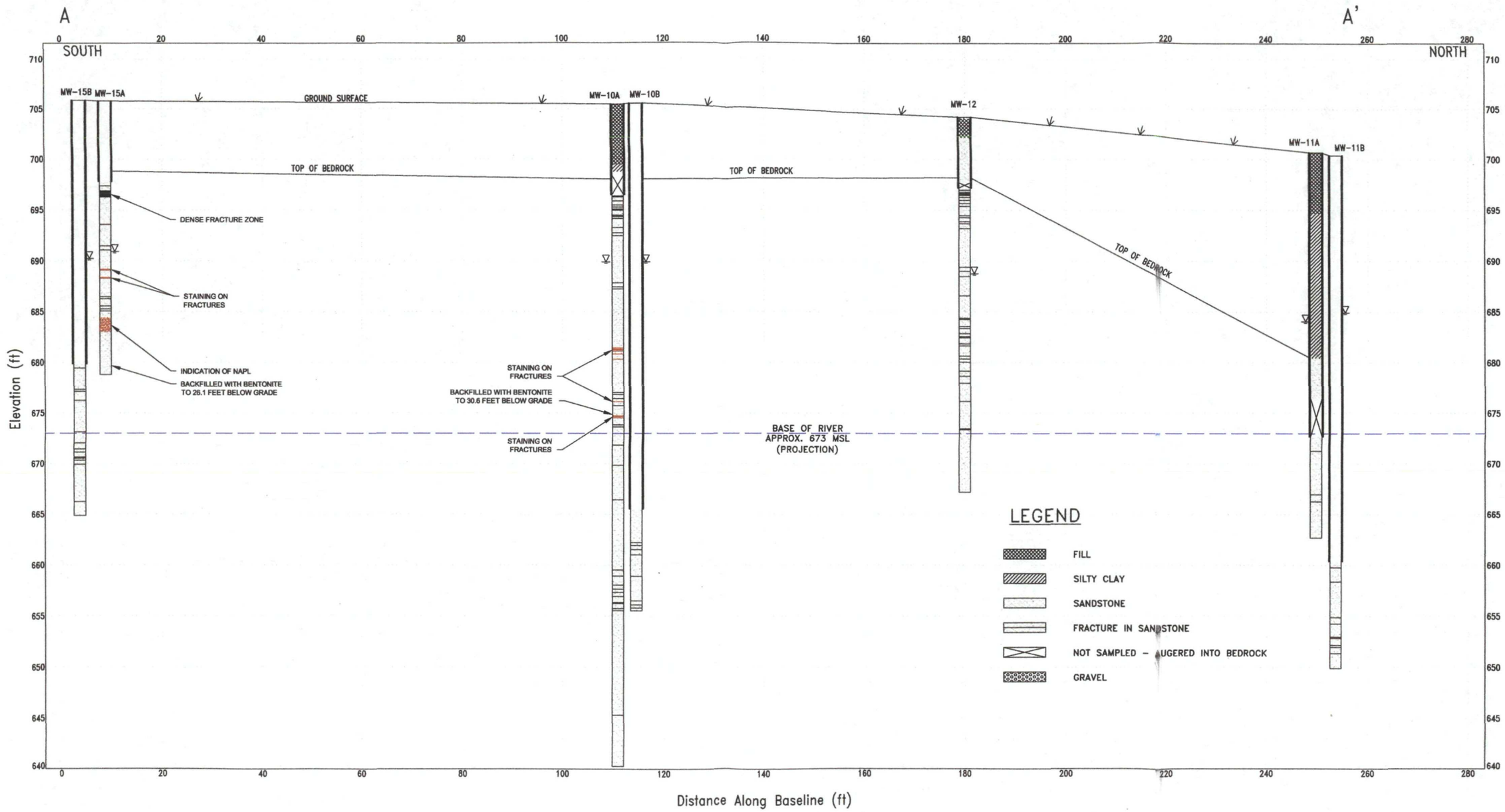
CHEMICAL RECOVERY SYSTEMS SITE
ELYRIA, OHIO

CROSS SECTION LOCATION MAP

FILENAME FIGURES.DWG
BC PROJECT NUMBER XXXXXX
CLIENT PROJECT NUMBER
FIGURE NUMBER
4

O:\CRS\DRAWINGS\CAD\FIGURES\8-09-2011 FIGURES PDF\FIGURE 3.1 RAI 08-09-11.DWG November 8, 2011
November 8, 2011



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BROWN AND CALDWELL

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REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.

0 5 10
VERTICAL SCALE IN FEET

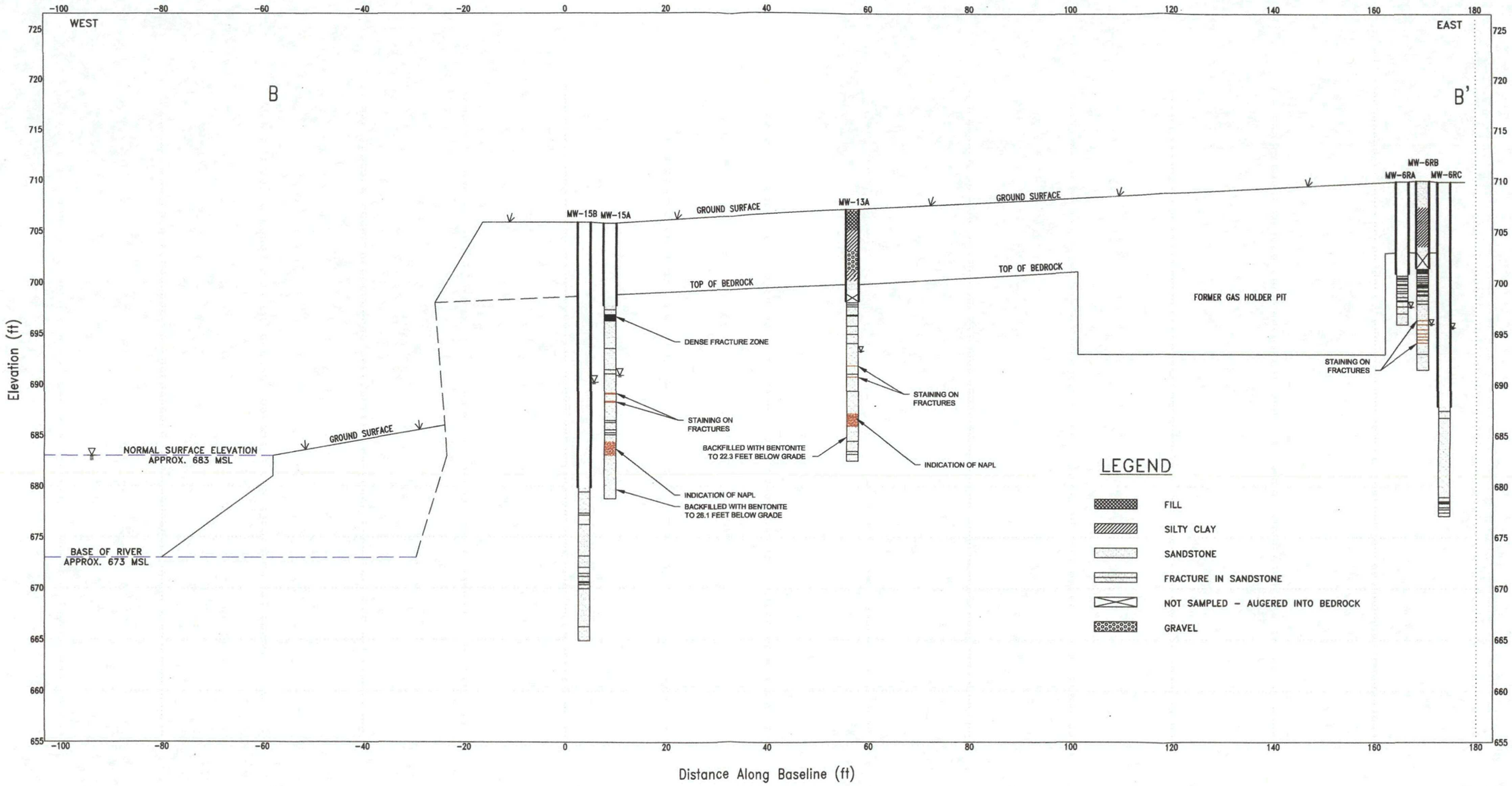
CHEMICAL RECOVERY SYSTEMS SITE
ELYRIA, OHIO

CROSS SECTION A-A'
8/16/2011

FILENAME
FIGURES.DWG
BC PROJECT NUMBER
XXXXXX
CLIENT PROJECT NUMBER
FIGURE NUMBER
5

O:\CRS\DRAWINGS\CAD\FIGURES\8-09-2011 FIGURES PDF\CROSS SECTIONS.DWG November 10, 2011

November 10, 2011



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0 5 10
VERTICAL SCALE IN FEET

CHEMICAL RECOVERY SYSTEMS SITE
ELYRIA, OHIO

CROSS SECTION B-B'
8/16/2011

FILENAME FIGURES.DWG
BC PROJECT NUMBER XXXXXX
CLIENT PROJECT NUMBER
FIGURE NUMBER
6

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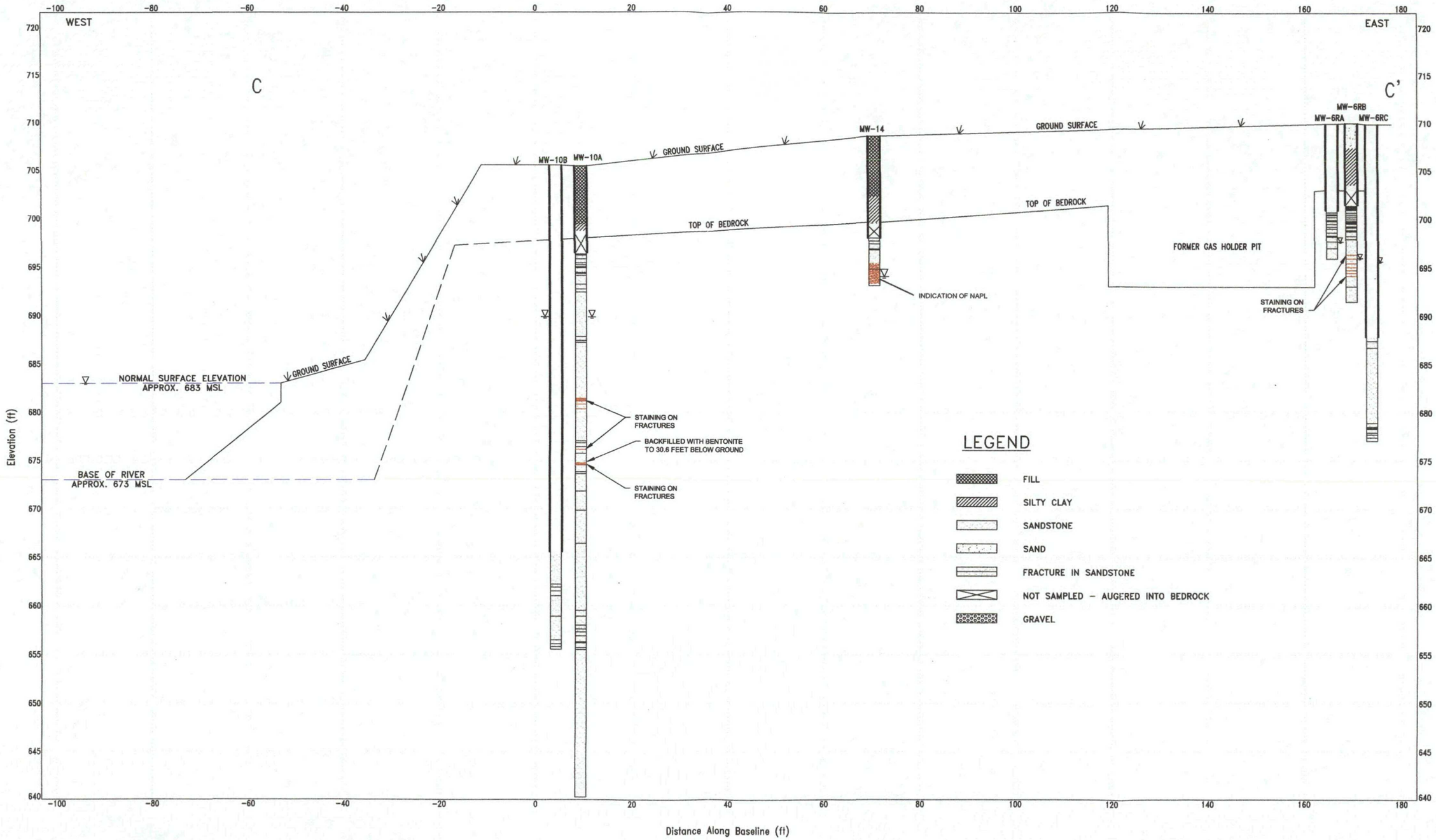
November 10, 2011

Cross Section c-c'



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COLUMBUS, OHIO

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BROWN AND CALDWELL

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CHECKED:
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REVISIONS

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0 5 10
VERTICAL SCALE IN FEET

CHEMICAL RECOVERY SYSTEMS SITE
ELYRIA, OHIO

CROSS SECTION C-C'
8/16/2011

FILENAME FIGURES.DWG
BC PROJECT NUMBER XXXXXX
CLIENT PROJECT NUMBER
FIGURE NUMBER
7

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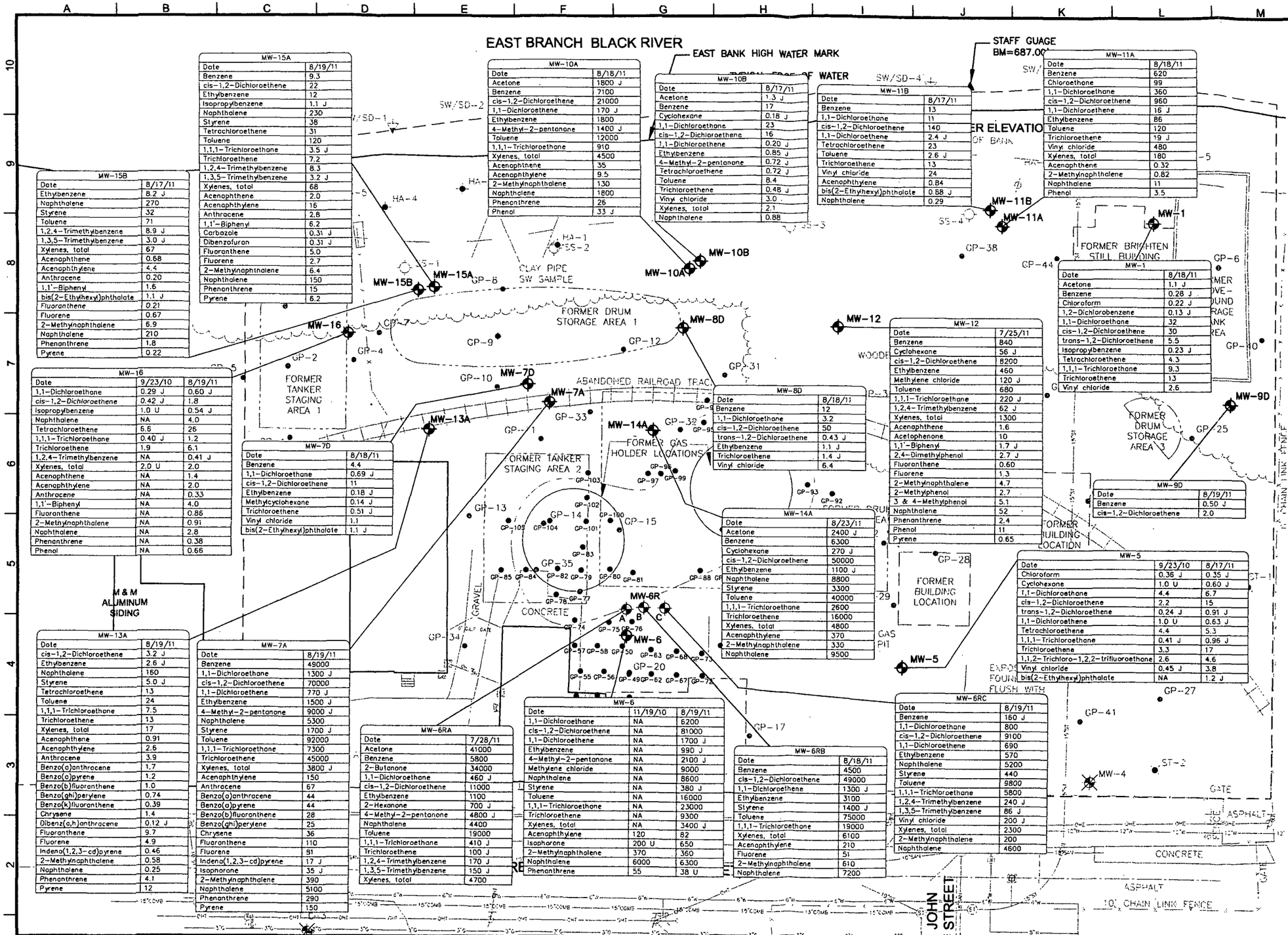
November 10, 2011



MW-15A	
Date	8/19/11
Benzene	9.3
cis-1,2-Dichloroethene	22
Ethylbenzene	12
Isopropylbenzene	1.1 J
Naphthalene	230
Styrene	38
Tetrachloroethene	31
Toluene	120
1,1,1-Trichloroethane	3.5 J
Trichloroethene	7.2
1,2,4-Trimethylbenzene	8.3
1,3,5-Trimethylbenzene	3.2 J
Xylenes, total	68
Acenaphthene	2.0
Acenaphthylene	16
Anthracene	2.8
1,1'-Biphenyl	6.2
Carbazole	0.31 J
Dibenzofuran	0.31 J
Fluoranthene	5.0
Fluorene	2.7
2-Methylnaphthalene	6.4
Naphthalene	150
Phenanthrene	15
Pyrene	6.2

MW-15B	
Date	8/17/11
Ethylbenzene	8.2 J
Naphthalene	270
Styrene	32
Toluene	71
1,2,4-Trimethylbenzene	8.9 J
1,3,5-Trimethylbenzene	3.0 J
Xylenes, total	67
Acenaphthene	0.68
Acenaphthylene	4.4
Anthracene	0.20
1,1'-Biphenyl	1.6
bis(2-Ethylhexyl)phthalate	1.1 J
Fluoranthene	0.21
Fluorene	0.67
2-Methylnaphthalene	6.9
Naphthalene	210
Phenanthrene	1.8
Pyrene	0.22

MW-16		
Date	9/23/10	8/19/11
1,1-Dichloroethane	0.29 J	0.60 J
cis-1,2-Dichloroethene	0.42 J	1.8
Isopropylbenzene	1.0 U	0.54 J
Naphthalene	NA	4.0
Tetrachloroethene	6.6	26
1,1,1-Trichloroethane	0.40 J	1.2
Trichloroethene	1.9	6.1
1,2,4-Trimethylbenzene	NA	0.41 J
Xylenes, total	2.0 U	2.0
Acenaphthene	NA	1.4
Acenaphthylene	NA	2.0
Anthracene	NA	0.33
1,1'-Biphenyl	NA	4.0
Fluoranthene	NA	0.86
2-Methylnaphthalene	NA	0.91
Naphthalene	NA	2.8
Phenanthrene	NA	0.38
Phenol	NA	0.66

MW-13A	
Date	8/19/11
cis-1,2-Dichloroethene	3.2 J
Ethylbenzene	2.6 J
Naphthalene	160
Styrene	5.0 J
Tetrachloroethene	13
Toluene	24
1,1,1-Trichloroethane	7.5
Trichloroethene	13
Xylenes, total	17
Acenaphthene	0.91
Acenaphthylene	2.6
Anthracene	3.9
Benzo(a)anthracene	1.7
Benzo(a)pyrene	1.2
Benzo(b)fluoranthene	1.0
Benzo(ghi)perylene	0.74
Benzo(k)fluoranthene	0.39
Chrysene	1.4
Dibenz(a,h)anthracene	0.12 J
Fluoranthene	9.7
Fluorene	4.9
Indeno(1,2,3-cd)pyrene	0.46
2-Methylnaphthalene	0.58
Naphthalene	0.25
Phenanthrene	4.1
Pyrene	12

MW-7A	
Date	8/19/11
Benzene	49000
1,1-Dichloroethane	1300 J
cis-1,2-Dichloroethene	70000
1,1-Dichloroethene	770 J
Ethylbenzene	1500 J
4-Methyl-2-pentanone	9000 J
Naphthalene	5300
Styrene	1700 J
Toluene	92000
1,1,1-Trichloroethane	7300
Trichloroethene	45000
Xylenes, total	3800 J
Acenaphthylene	150
Anthracene	67
Benzo(a)anthracene	44
Benzo(a)pyrene	44
Benzo(b)fluoranthene	28
Benzo(ghi)perylene	25
Chrysene	36
Fluoranthene	110
Fluorene	81
Indeno(1,2,3-cd)pyrene	17 J
Isophorone	35 J
2-Methylnaphthalene	390
Naphthalene	5100
Phenanthrene	290
Pyrene	150

MW-7D	
Date	8/18/11
Benzene	4.4
1,1-Dichloroethane	0.69 J
cis-1,2-Dichloroethene	11
Ethylbenzene	0.18 J
Methylcyclohexane	0.14 J
Trichloroethene	0.51 J
Vinyl chloride	1.1
bis(2-Ethylhexyl)phthalate	1.1 J

MW-6RA	
Date	7/28/11
Acetone	41000
Benzene	5800
2-Butanone	34000
1,1-Dichloroethane	460 J
cis-1,2-Dichloroethene	11000
Ethylbenzene	1100
2-Hexanone	700 J
4-Methyl-2-pentanone	4800 J
Naphthalene	4400
Toluene	19000
1,1,1-Trichloroethane	410 J
Trichloroethene	100 J
1,2,4-Trimethylbenzene	170 J
1,3,5-Trimethylbenzene	150 J
Xylenes, total	4700

MW-6		
Date	11/19/10	8/19/11
1,1-Dichloroethane	NA	6200
cis-1,2-Dichloroethene	NA	81000
1,1-Dichloroethene	NA	1700 J
Ethylbenzene	NA	990 J
4-Methyl-2-pentanone	NA	2100 J
Methylene chloride	NA	9000
Naphthalene	NA	8600
Styrene	NA	380 J
Toluene	NA	16000
1,1,1-Trichloroethane	NA	23000
Trichloroethene	NA	9300
Xylenes, total	NA	3400 J
Acenaphthylene	120	82
Isophorone	200 U	650
2-Methylnaphthalene	370	360
Naphthalene	6000	6300
Phenanthrene	55	38 U

MW-6RB	
Date	8/18/11
Benzene	4500
cis-1,2-Dichloroethene	49000
1,1-Dichloroethene	1300 J
Ethylbenzene	3100
Styrene	1400 J
Toluene	75000
1,1,1-Trichloroethane	19000
Xylenes, total	6100
Acenaphthylene	210
Fluorene	51
2-Methylnaphthalene	610
Naphthalene	7200

MW-6RC	
Date	8/19/11
Benzene	160 J
1,1-Dichloroethane	800
cis-1,2-Dichloroethene	9100
1,1-Dichloroethene	690
Ethylbenzene	570
Naphthalene	5200
Styrene	440
Toluene	9800
1,1,1-Trichloroethane	5800
1,2,4-Trimethylbenzene	240 J
1,3,5-Trimethylbenzene	86 J
Vinyl chloride	200 J
Xylenes, total	2300
2-Methylnaphthalene	200
Naphthalene	4600

MW-10A	
Date	8/18/11
Acetone	1800 J
Benzene	7100
cis-1,2-Dichloroethene	21000
1,1-Dichloroethene	170 J
Ethylbenzene	1800
4-Methyl-2-pentanone	1400 J
Toluene	12000
1,1,1-Trichloroethane	910
Xylenes, total	4500
Acenaphthene	35
Acenaphthylene	9.5
2-Methylnaphthalene	130
Naphthalene	1800
Phenanthrene	26
Phenol	33 J

MW-10B	
Date	8/17/11
Acetone	1.3 J
Benzene	17
Cyclohexane	0.18 J
1,1-Dichloroethane	23
cis-1,2-Dichloroethene	16
1,1-Dichloroethene	0.20 J
Ethylbenzene	0.85 J
4-Methyl-2-pentanone	0.72 J
Tetrachloroethene	0.72 J
Toluene	8.4
Trichloroethene	0.48 J
Vinyl chloride	3.0
Xylenes, total	2.1
Naphthalene	0.88

MW-11B	
Date	8/17/11
Benzene	13
1,1-Dichloroethane	11
cis-1,2-Dichloroethene	140
1,1-Dichloroethene	2.4 J
Tetrachloroethene	23
Toluene	2.6 J
Trichloroethene	13
Vinyl chloride	24
Acenaphthylene	0.84
bis(2-Ethylhexyl)phthalate	0.88 J
Naphthalene	0.29

MW-11A	
Date	8/18/11
Benzene	620
Chloroethane	99
1,1-Dichloroethane	360
cis-1,2-Dichloroethene	960
1,1-Dichloroethene	16 J
Ethylbenzene	86
Toluene	120
Trichloroethene	19 J
Vinyl chloride	480
Xylenes, total	180
Acenaphthene	0.32
2-Methylnaphthalene	0.82
Naphthalene	11
Phenol	3.5

MW-1	
Date	8/18/11
Acetone	1.1 J
Benzene	0.28 J
Chloroform	0.22 J
1,2-Dichlorobenzene	0.13 J
1,1-Dichloroethane	32
cis-1,2-Dichloroethene	30
trans-1,2-Dichloroethene	5.5
Isopropylbenzene	0.23 J
Tetrachloroethene	4.3
1,1,1-Trichloroethane	9.3
Trichloroethene	13
Vinyl chloride	2.6

MW-12	
Date	7/25/11
Benzene	840
Cyclohexane	56 J
cis-1,2-Dichloroethene	8200
Ethylbenzene	460
Methylene chloride	120 J
Toluene	680
1,1,1-Trichloroethane	220 J
1,2,4-Trimethylbenzene	62 J
Xylenes, total	1300
Acenaphthene	1.6
Acetophenone	10
1,1'-Biphenyl	1.7 J
2,4-Dimethylphenol	2.7 J
Fluoranthene	0.60
Fluorene	1.3
2-Methylnaphthalene	4.7
2-Methylphenol	2.7
3 & 4-Methylphenol	5.1
Naphthalene	52
Phenanthrene	2.4
Phenol	11
Pyrene	0.65

MW-8D	
Date	8/18/11
Benzene	12
1,1-Dichloroethane	3.2
cis-1,2-Dichloroethene	50
trans-1,2-Dichloroethene	0.43 J
Ethylbenzene	1.1 J
Trichloroethene	1.4 J
Vinyl chloride	6.4

MW-14A	
Date	8/23/11
Acetone	2400 J
Benzene	6300
Cyclohexane	270 J
cis-1,2-Dichloroethene	50000
Ethylbenzene	1100 J
Naphthalene	8800
Styrene	3300
Toluene	40000
1,1,1-Trichloroethane	2600
Trichloroethene	16000
Xylenes, total	4800
Acenaphthylene	370
2-Methylnaphthalene	330
Naphthalene	9500

MW-9D	
Date	8/19/11
Benzene	0.50 J
cis-1,2-Dichloroethene	2.0

MW-5		
Date	9/23/10	8/17/11
Chloroform	0.36 J	0.35 J
Cyclohexane	1.0 U	0.60 J
1,1-Dichloroethane	4.4	6.7
cis-1,2-Dichloroethene	2.2	15
trans-1,2-Dichloroethene	0.24 J	0.91 J
1,1-Dichloroethene	1.0 U	0.63 J
Tetrachloroethene	4.4	5.3
1,1,1-Trichloroethane	0.41 J	0.96 J
Trichloroethene	3.3	17
1,1,2-Trichloro-1,2,2-trifluoroethane	2.6	4.6
Vinyl chloride	0.45 J	3.8
bis(2-Ethylhexyl)phthalate	NA	1.2 J

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- 2010/2011 SOIL BORING
- SHELBY TUBE BORING
- HAND AUGER BORING
- SOIL SAMPLE

NOTES:

1. SAMPLE RESULTS ARE IN UG/L.
2. ONLY DETECTED COMPOUNDS ARE INCLUDED IN THE SUMMARY BOXES.
3. "NA" INDICATES "NOT ANALYZED"

Brown AND Caldwell
COLUMBUS, OHIO

SUBMITTED: _____ PROJECT MANAGER DATE: _____
APPROVED: _____ BROWN AND CALDWELL DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
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REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

0 20 40
SCALE IN FEET

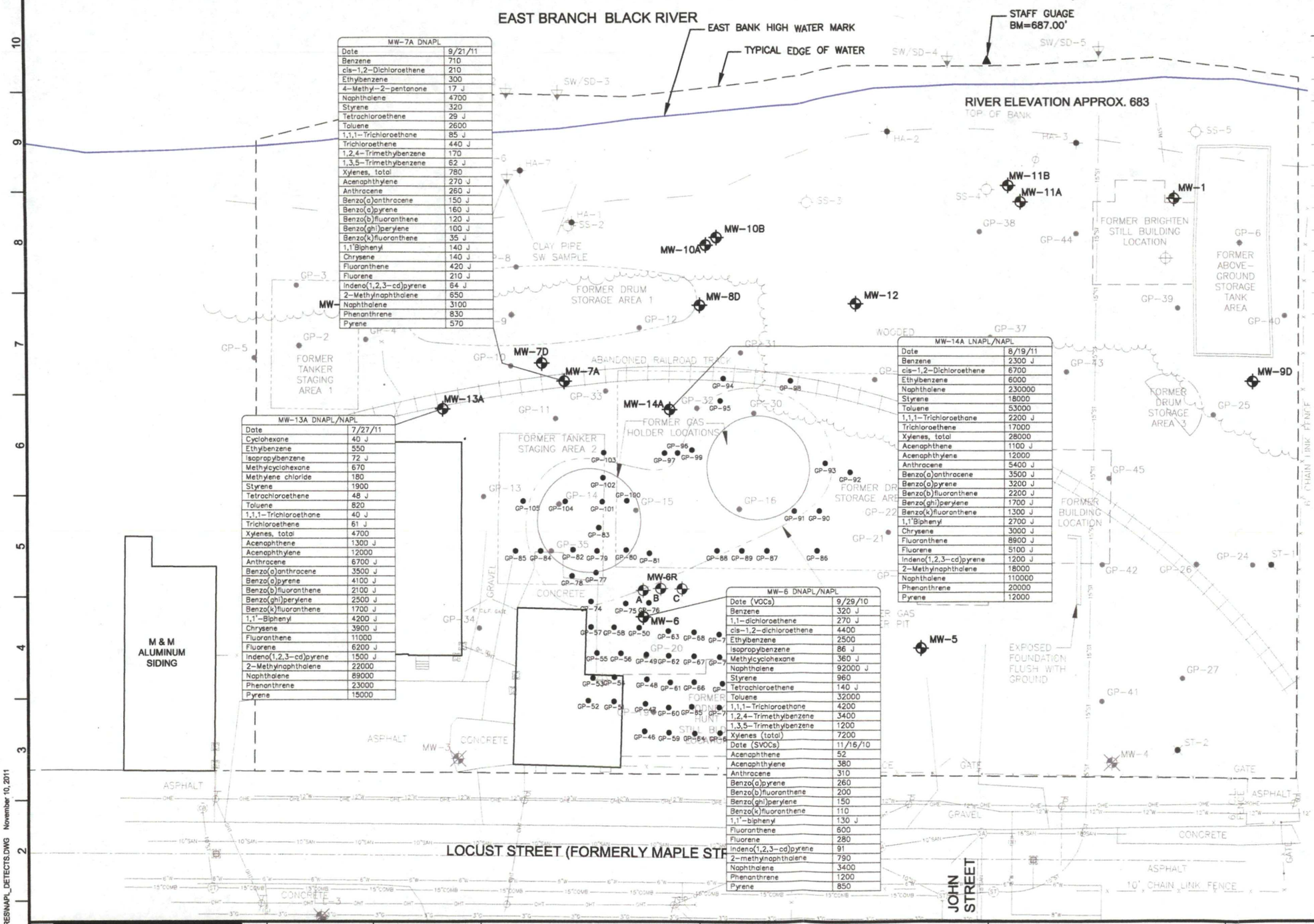
CHEMICAL RECOVERY SYSTEMS SITE
ELYRIA, OHIO

GROUNDWATER SAMPLES 2010-2011

FILENAME FIGURES.DWG
BC PROJECT NUMBER XXXXXX
CLIENT PROJECT NUMBER
FIGURE NUMBER 8

O:\CRS\DRAWINGS\CAD\FIGURES\GW_DETECTS.DWG November 8, 2011

November 8, 2011



MW-7A DNAPL	
Date	9/21/11
Benzene	710
cis-1,2-Dichloroethene	210
Ethylbenzene	300
4-Methyl-2-pentanone	17 J
Naphthalene	4700
Styrene	320
Tetrachloroethene	29 J
Toluene	2600
1,1,1-Trichloroethane	85 J
Trichloroethene	440 J
1,2,4-Trimethylbenzene	170
1,3,5-Trimethylbenzene	62 J
Xylenes, total	780
Acenaphthylene	270 J
Anthracene	260 J
Benzo(a)anthracene	150 J
Benzo(a)pyrene	160 J
Benzo(b)fluoranthene	120 J
Benzo(ghi)perylene	100 J
Benzo(k)fluoranthene	35 J
1,1'Biphenyl	140 J
Chrysene	140 J
Fluoranthene	420 J
Fluorene	210 J
Indeno(1,2,3-cd)pyrene	64 J
2-Methylnaphthalene	650
Naphthalene	3100
Phenanthrene	830
Pyrene	570

MW-13A DNAPL/NAPL	
Date	7/27/11
Cyclohexane	40 J
Ethylbenzene	550
Isopropylbenzene	72 J
Methylcyclohexane	670
Methylene chloride	180
Styrene	1900
Tetrachloroethene	48 J
Toluene	820
1,1,1-Trichloroethane	40 J
Trichloroethene	61 J
Xylenes, total	4700
Acenaphthene	1300 J
Acenaphthylene	12000
Anthracene	6700 J
Benzo(a)anthracene	3500 J
Benzo(a)pyrene	4100 J
Benzo(b)fluoranthene	2100 J
Benzo(ghi)perylene	2500 J
Benzo(k)fluoranthene	1700 J
1,1'-Biphenyl	4200 J
Chrysene	3900 J
Fluoranthene	11000
Fluorene	6200 J
Indeno(1,2,3-cd)pyrene	1500 J
2-Methylnaphthalene	22000
Naphthalene	89000
Phenanthrene	23000
Pyrene	15000

MW-14A LNAPL/NAPL	
Date	8/19/11
Benzene	2300 J
cis-1,2-Dichloroethene	6700
Ethylbenzene	6000
Naphthalene	230000
Styrene	18000
Toluene	53000
1,1,1-Trichloroethane	2200 J
Trichloroethene	17000
Xylenes, total	28000
Acenaphthene	1100 J
Acenaphthylene	12000
Anthracene	5400 J
Benzo(a)anthracene	3500 J
Benzo(a)pyrene	3200 J
Benzo(b)fluoranthene	2200 J
Benzo(ghi)perylene	1700 J
Benzo(k)fluoranthene	1300 J
1,1'Biphenyl	2700 J
Chrysene	3000 J
Fluoranthene	8900 J
Fluorene	5100 J
Indeno(1,2,3-cd)pyrene	1200 J
2-Methylnaphthalene	18000
Naphthalene	110000
Phenanthrene	20000
Pyrene	12000

MW-6 DNAPL/NAPL	
Date (VOCs)	9/29/10
Benzene	320 J
1,1-dichloroethene	270 J
cis-1,2-dichloroethene	4400
Ethylbenzene	2500
Isopropylbenzene	86 J
Methylcyclohexane	360 J
Naphthalene	92000 J
Styrene	960
Tetrachloroethene	140 J
Toluene	32000
1,1,1-Trichloroethane	4200
1,2,4-Trimethylbenzene	3400
1,3,5-Trimethylbenzene	1200
Xylenes (total)	7200
Date (SVOCs)	11/16/10
Acenaphthene	52
Acenaphthylene	380
Anthracene	310
Benzo(a)pyrene	260
Benzo(b)fluoranthene	200
Benzo(ghi)perylene	150
Benzo(k)fluoranthene	110
1,1'-biphenyl	130 J
Fluoranthene	600
Fluorene	280
Indeno(1,2,3-cd)pyrene	91
2-methylnaphthalene	790
Naphthalene	3400
Phenanthrene	1200
Pyrene	850

LEGEND:

- SITE BOUNDARY LINE
- FENCE LINE
- ROAD CENTERLINE
- EXISTING STRUCTURES
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- FORMER STRUCTURE LOCATIONS
- FORMER STORAGE AREAS
- STORM SEWER LINE
- SANITARY SEWER LINE
- COMBINED SEWER LINE
- WATER LINE
- GAS LINE
- OVERHEAD ELECTRIC LINE
- OVERHEAD TELEPHONE LINE
- CATCH BASIN
- STORM SEWER MANHOLE
- FORMER SUMP
- ABANDONED MONITORING WELL
- MONITORING WELL
- SEDIMENT/SURFACE WATER SAMPLE
- RI SOIL BORING
- SOIL BORING WITH GROUNDWATER SAMPLE
- 2010/2011 SOIL BORING
- SHELBY TUBE BORING
- HAND AUGER BORING
- SOIL SAMPLE

SAMPLE RESULTS ARE IN MG/KG.

Brown AND Caldwell
COLUMBUS, OHIO

SUBMITTED: _____ DATE: _____
PROJECT MANAGER
APPROVED: _____ DATE: _____
BROWN AND CALDWELL

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED:
DRAWN: NE
CHECKED:
CHECKED:
APPROVED: JP

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

0 20 40
SCALE IN FEET

CHEMICAL RECOVERY SYSTEMS SITE
ELYRIA, OHIO

NAPL SAMPLES
2010-2011

FILENAME FIGURES.DWG
BC PROJECT NUMBER XXXXXX
CLIENT PROJECT NUMBER
FIGURE NUMBER
9

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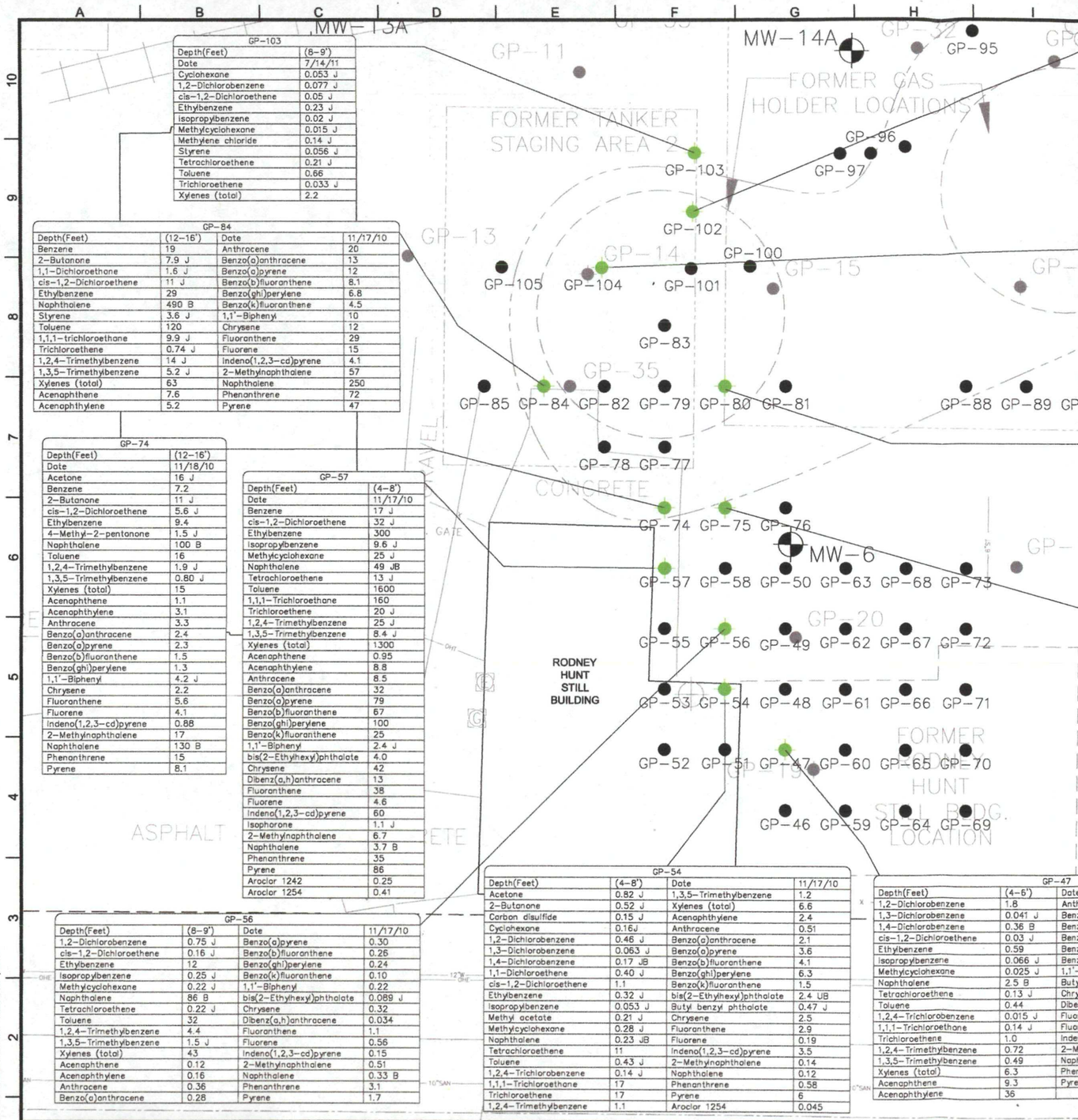
November 10, 2011



GP-103	
Depth(Feet)	(8–9')
Date	7/14/11
Cyclohexane	0.053 J
1,2–Dichlorobenzene	0.077 J
cis–1,2–Dichloroethene	0.05 J
Ethylbenzene	0.23 J
Isopropylbenzene	0.02 J
Methylcyclohexane	0.015 J
Methylene chloride	0.14 J
Styrene	0.056 J
Tetrachloroethene	0.21 J
Toluene	0.66
Trichloroethene	0.033 J
Xylenes (total)	2.2

GP-84			
Depth(Feet)	(12–16')	Date	11/17/10
Benzene	19	Anthracene	20
2–Butanone	7.9 J	Benzo(a)anthracene	13
1,1–Dichloroethane	1.6 J	Benzo(a)pyrene	12
cis–1,2–Dichloroethene	11 J	Benzo(b)fluoranthene	8.1
Ethylbenzene	29	Benzo(ghi)perylene	6.8
Naphthalene	490 B	Benzo(k)fluoranthene	4.5
Styrene	3.6 J	1,1'–Biphenyl	10
Toluene	120	Chrysene	12
1,1,1–trichloroethane	9.9 J	Fluoranthene	29
Trichloroethene	0.74 J	Fluorene	15
1,2,4–Trimethylbenzene	14 J	Indeno(1,2,3–cd)pyrene	4.1
1,3,5–Trimethylbenzene	5.2 J	2–Methylnaphthalene	57
Xylenes (total)	63	Naphthalene	250
Acenaphthene	7.6	Phenanthrene	72
Acenaphthylene	5.2	Pyrene	47

GP-74	
Depth(Feet)	(12–16')
Date	11/18/10
Acetone	16 J
Benzene	7.2
2–Butanone	11 J
cis–1,2–Dichloroethene	5.6 J
Ethylbenzene	9.4
4–Methyl–2–pentanone	1.5 J
Naphthalene	100 B
Toluene	16
1,2,4–Trimethylbenzene	1.9 J
1,3,5–Trimethylbenzene	0.80 J
Xylenes (total)	15
Acenaphthene	1.1
Acenaphthylene	3.1
Anthracene	3.3
Benzo(a)anthracene	2.4
Benzo(a)pyrene	2.3
Benzo(b)fluoranthene	1.5
Benzo(ghi)perylene	1.3
1,1'–Biphenyl	4.2 J
Chrysene	2.2
Fluoranthene	5.6
Fluorene	4.1
Indeno(1,2,3–cd)pyrene	0.88
2–Methylnaphthalene	17
Naphthalene	130 B
Phenanthrene	15
Pyrene	8.1

GP-57	
Depth(Feet)	(4–8')
Date	11/17/10
Benzene	17 J
cis–1,2–Dichloroethene	32 J
Ethylbenzene	300
Isopropylbenzene	9.6 J
Methylcyclohexane	25 J
Naphthalene	49 JB
Tetrachloroethene	13 J
Toluene	1600
1,1,1–Trichloroethane	160
Trichloroethene	20 J
1,2,4–Trimethylbenzene	25 J
1,3,5–Trimethylbenzene	8.4 J
Xylenes (total)	1300
Acenaphthene	0.95
Acenaphthylene	8.8
Anthracene	8.5
Benzo(a)anthracene	32
Benzo(a)pyrene	79
Benzo(b)fluoranthene	67
Benzo(ghi)perylene	100
Benzo(k)fluoranthene	25
1,1'–Biphenyl	2.4 J
bis(2–Ethylhexyl)phthalate	4.0
Chrysene	42
Dibenz(a,h)anthracene	13
Fluoranthene	38
Fluorene	4.6
Indeno(1,2,3–cd)pyrene	60
Isophorone	1.1 J
2–Methylnaphthalene	6.7
Naphthalene	3.7 B
Phenanthrene	35
Pyrene	86
Aroclor 1242	0.25
Aroclor 1254	0.41

GP-102			
Depth(Feet)	(15–16')	Date	7/14/11
Benzene	17	Anthracene	0.86
1,2–Dichloroethane	0.39 J	Benzo(a)anthracene	0.61
cis–1,2–Dichloroethene	14	Benzo(a)pyrene	0.59
Ethylbenzene	7.6	Benzo(b)fluoranthene	0.45
4–Methyl–2–pentanone	1.3 J	Benzo(ghi)perylene	0.30
Methylene chloride	2.4 J	Benzo(k)fluoranthene	0.14 J
Styrene	12	Chrysene	0.53
Tetrachloroethene	5.9 J	Fluoranthene	1.4
Toluene	54	Fluorene	0.87
1,1,1–Trichloroethane	0.59 J	Indeno(1,2,3–cd)pyrene	0.21
Trichloroethene	41	2–Methylnaphthalene	3.5
Xylenes (total)	24	Naphthalene	24
Acenaphthene	0.18 J	Phenanthrene	3.2
Acenaphthylene	1.1	Pyrene	1.9

GP-104			
Depth(Feet)	(15–16')	Date	7/14/11
Benzene	61	Benzo(a)anthracene	0.81
1,2–Dichloroethane	1.5 J	Benzo(a)pyrene	0.74
cis–1,2–Dichloroethene	14 J	Benzo(b)fluoranthene	0.60
Ethylbenzene	12 J	Benzo(ghi)perylene	0.38
Methylene chloride	8.4 J	Benzo(k)fluoranthene	0.26
Styrene	57	1,1'–Biphenyl	0.83 J
Tetrachloroethene	0.85 J	Chrysene	0.80
Toluene	170	Fluoranthene	2.7
1,1,1–Trichloroethane	1.7 J	Fluorene	1.7
Trichloroethene	30	Indeno(1,2,3–cd)pyrene	0.25
Xylenes (total)	71	2–Methylnaphthalene	5.0
Acenaphthene	0.32	Naphthalene	19
Acenaphthylene	1.4	Phenanthrene	7.6
Anthracene	1.6	Pyrene	3.7

GP-80			
Depth(Feet)	(12–15')	Date	11/19/10
Benzene	0.48 J	1,3,5–Trimethylbenzene	14
2–Butanone	0.65 J	Xylenes (total)	85
1,2–Dichlorobenzene	3.7	Benzo(a)pyrene	0.22
1,3–Dichlorobenzene	0.051 J	Benzo(b)fluoranthene	0.52
1,4–Dichlorobenzene	0.35 JB	Benzo(ghi)perylene	0.63
cis–1,2–Dichloroethene	0.67 J	bis(2–Ethylhexyl)phthalate	3.7 B
Ethylbenzene	19	Butyl benzyl phthalate	0.92 J
Isopropylbenzene	2.7	Chrysene	0.32
Methylcyclohexane	0.23 J	Fluoranthene	0.29
Naphthalene	3.9 B	Indeno(1,2,3–cd)pyrene	0.33
Tetrachloroethene	0.092 J	2–Methylnaphthalene	3.1
Toluene	5.5	Naphthalene	2.6
1,2,4–Trichlorobenzene	0.12 J	Phenanthrene	0.27
Trichloroethene	0.33 J	Pyrene	0.47
1,2,4–Trimethylbenzene	45	Aroclor 1254	0.15

GP-75	
Depth(Feet)	(8–10')
Date	11/18/10
1,2–Dichlorobenzene	0.17 J
1,4–Dichlorobenzene	0.011 UB
cis–1,2–Dichloroethene	0.12 J
Ethylbenzene	1.6
Isopropylbenzene	0.20 J
Methyl acetate	0.055 J
Methylcyclohexane	0.098 J
Naphthalene	1.1 B
Tetrachloroethene	0.05 J
Toluene	1.4
1,2,4–Trichlorobenzene	0.022 J
1,1,1–Trichloroethane	0.072 J
Trichloroethene	0.044 J
1,2,4–Trimethylbenzene	2.6
1,3,5–Trimethylbenzene	0.75
Xylenes (total)	11
Acenaphthene	0.016
Acenaphthylene	0.035
Anthracene	0.017
Benzo(a)anthracene	0.086
Benzo(a)pyrene	0.069
Benzo(b)fluoranthene	0.25
Benzo(ghi)perylene	0.50
Benzo(k)fluoranthene	0.095
1,1'–Biphenyl	0.11 J
bis(2–Ethylhexyl)phthalate	2.7
Chrysene	0.18
2,4–Dimethylphenol	0.30 J
Fluoranthene	0.28
Fluorene	0.041
Indeno(1,2,3–cd)pyrene	0.23
2–Methylnaphthalene	0.24
2–Methylphenol	1.1
4–Methylphenol	0.99 #
Naphthalene	0.58 B
Phenanthrene	0.32
Pyrene	0.43
Aroclor 1242	0.25
Aroclor 1254	0.31

GP-56			
Depth(Feet)	(8–9')	Date	11/17/10
1,2–Dichlorobenzene	0.75 J	Benzo(a)pyrene	0.30
cis–1,2–Dichloroethene	0.16 J	Benzo(b)fluoranthene	0.26
Ethylbenzene	12	Benzo(ghi)perylene	0.24
Isopropylbenzene	0.25 J	Benzo(k)fluoranthene	0.10
Methylcyclohexane	0.22 J	1,1'–Biphenyl	0.22
Naphthalene	86 B	bis(2–Ethylhexyl)phthalate	0.089 J
Tetrachloroethene	0.22 J	Chrysene	0.32
Toluene	32	Dibenz(a,h)anthracene	0.034
1,2,4–Trimethylbenzene	4.4	Fluoranthene	1.1
1,3,5–Trimethylbenzene	1.5 J	Fluorene	0.56
Xylenes (total)	43	Indeno(1,2,3–cd)pyrene	0.15
Acenaphthene	0.12	2–Methylnaphthalene	0.51
Acenaphthylene	0.16	Naphthalene	0.33 B
Anthracene	0.36	Phenanthrene	3.1
Benzo(a)anthracene	0.28	Pyrene	1.7

GP-54			
Depth(Feet)	(4–8')	Date	11/17/10
Acetone	0.82 J	1,3,5–Trimethylbenzene	1.2
2–Butanone	0.52 J	Xylenes (total)	6.6
Carbon disulfide	0.15 J	Acenaphthylene	2.4
Cyclohexane	0.16J	Anthracene	0.51
1,2–Dichlorobenzene	0.46 J	Benzo(a)anthracene	2.1
1,3–Dichlorobenzene	0.063 J	Benzo(a)pyrene	3.6
1,4–Dichlorobenzene	0.17 JB	Benzo(b)fluoranthene	4.1
1,1–Dichloroethene	0.40 J	Benzo(ghi)perylene	6.3
cis–1,2–Dichloroethene	1.1	Benzo(k)fluoranthene	1.5
Ethylbenzene	0.32 J	bis(2–Ethylhexyl)phthalate	2.4 UB
Isopropylbenzene	0.053 J	Butyl benzyl phthalate	0.47 J
Methyl acetate	0.21 J	Chrysene	2.5
Methylcyclohexane	0.28 J	Fluoranthene	2.9
Naphthalene	0.23 JB	Fluorene	0.19
Tetrachloroethene	11	Indeno(1,2,3–cd)pyrene	3.5
Toluene	0.43 J	2–Methylnaphthalene	0.14
1,2,4–Trichlorobenzene	0.14 J	Naphthalene	0.12
1,1,1–Trichloroethane	17	Phenanthrene	0.58
Trichloroethene	17	Pyrene	6
1,2,4–Trimethylbenzene	1.1	Aroclor 1254	0.045

GP-47			
Depth(Feet)	(4–6')	Date	11/17/10
1,2–Dichlorobenzene	1.8	Anthracene	20
1,3–Dichlorobenzene	0.041 J	Benzo(a)anthracene	12
1,4–Dichlorobenzene	0.36 B	Benzo(a)pyrene	15
cis–1,2–Dichloroethene	0.03 J	Benzo(b)fluoranthene	12
Ethylbenzene	0.59	Benzo(ghi)perylene	14
Isopropylbenzene	0.066 J	Benzo(k)fluoranthene	3.5
Methylcyclohexane	0.025 J	1,1'–Biphenyl	18
Naphthalene	2.5 B	Butyl benzyl phthalate	1.8 J
Tetrachloroethene	0.13 J	Chrysene	13
Toluene	0.44	Dibenz(a,h)anthracene	1.3
1,2,4–Trichlorobenzene	0.015 J	Fluoranthene	48
1,1,1–Trichloroethane	0.14 J	Fluorene	35
Trichloroethene	1.0	Indeno(1,2,3–cd)pyrene	8.2
1,2,4–Trimethylbenzene	0.72	2–Methylnaphthalene	51
1,3,5–Trimethylbenzene	0.49	Naphthalene	9.1 B
Xylenes (total)	6.3	Phenanthrene	120
Acenaphthene	9.3	Pyrene	69
Acenaphthylene	36		

LEGEND:

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- COMBINED SEWER LINE
- WATER LINE
- GAS LINE
- OVERHEAD ELECTRIC LINE
- OVERHEAD TELEPHONE LINE
- FORMER SUMP
- MONITORING WELL
- SOIL BORING
- SOIL BORING WITH GROUNDWATER SAMPLE
- 2010 SOIL BORING
- SOIL SAMPLE 2010/2011

NOTES:

1. SAMPLE RESULTS ARE IN mg/kg.

Brown AND Caldwell
COLUMBUS, OHIO

SUBMITTED: _____ DATE: _____
PROJECT MANAGER
APPROVED: _____ DATE: _____
BROWN AND CALDWELL

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED:
DRAWN: NE
CHECKED:
CHECKED:
APPROVED: JP

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

0 10 20
SCALE IN FEET

CHEMICAL RECOVERY SYSTEMS SITE
ELYRIA, OHIO

SOIL SAMPLES
2010-2011

FILENAME FIGURES.DWG
BC PROJECT NUMBER XXXXXX
CLIENT PROJECT NUMBER
FIGURE NUMBER
10

O:\CRS\DRAWINGS\CAD\FIGURES\SOILDETECTS.DWG November 8, 2011

November 8, 2011

TABLE 1. Well Information, CRS Site, Elyria, Ohio

Well Name	Type	Installed By	Completion Date	Northing	Easting	TOC Elevation	GS Elevation	Screen/Open Rock Interval (BGS)	Screen/Open Rock Interval Elevation	Casing Depth (BGS)	Total Depth (BGS)	Depth to Fluid (BTOC, 8/16/11)	Depth to Bottom (BTOC, 8/16/11)
MW-1	Screened	Unknown	Unknown	2077154.80	621512.88	703.34	701.00	NA - NA	NA - NA	NA	23.0	17.17	23.41
MW-5	Screened	Parsons	10/23/03	2077332.18	621412.41	710.07	707.51	11.0 - 21.0	696.5 - 686.5	5.0	21.0	14.08	23.48
MW-6	Screened	Parsons	10/28/03	2077319.93	621302.14	712.70	710.20	10.0 - 20.0	700.2 - 690.2	8.0	20.0	16.48	22.81
MW-6RA	Open Rock	BC	7/28/11	2077307.95	621303.45	712.67	709.93	9.0 - 14.0	700.9 - 695.9	9.0	14.0	15.00	16.80
MW-6RB	Open Rock	BC	7/27/11	2077308.76	621308.64	712.50	709.99	9.5 - 18.5	700.5 - 691.5	8.5	18.5	16.52	20.80
MW-6RC	Open Rock	BC	7/28/11	2077310.05	621313.68	712.60	709.87	22.0 - 32.0	687.9 - 677.9	22.0	32.0	16.97	34.51
MW-7A	Open Rock	BC	7/26/11	2077226.82	621270.79	709.94	707.45	9.0 - 19.0	698.5 - 688.5	9.0	19.0	18.12	21.60
MW-7D	Screened	Parsons	10/27/03	2077219.35	621262.39	709.20	707.08	42.0 - 52.0	665.1 - 655.1	35.0	52.0	16.28	53.45
MW-8D	Screened	Parsons	10/28/03	2077197.09	621324.49	709.15	706.93	40.0 - 50.0	666.9 - 656.9	33.0	50.0	18.52	53.93
MW-9D	Screened	Parsons	10/27/03	2077226.97	621544.12	705.39	702.94	45.0 - 55.0	657.9 - 647.9	38.0	55.0	15.05	57.60
MW-10A	Open Rock	BC	7/19/11	2077173.58	621326.88	707.12	705.46	8.7 - 30.7	696.8 - 674.8	8.7	65.0	17.25	32.26*
MW-10B	Open Rock	BC	7/20/11	2077170.62	621331.18	707.35	705.54	40.0 - 50.0	665.5 - 655.5	40.0	50.0	17.47	52.00
MW-11A	Open Rock	BC	7/21/11	2077149.68	621447.62	702.85	700.69	28.0 - 38.0	672.7 - 662.7	28.0	38.0	18.79	38.73
MW-11B	Open Rock	BC	7/26/11	2077156.20	621452.52	703.10	700.40	40.0 - 50.0	660.4 - 650.4	40.0	50.0	18.18	52.63
MW-12	Open Rock	BC	7/22/11	2077196.96	621386.96	705.62	704.20	6.5 - 37.0	697.7 - 667.2	6.5	37.0	16.88	38.59
MW-13A	Open Rock	BC	7/25/11	2077237.69	621222.42	708.53	707.17	8.5 - 20.9	698.7 - 686.3	8.5	24.0	15.25	22.21*
MW-14A	Open Rock	BC	7/26/11	2077240.29	621311.34	710.47	708.63	10.5 - 15.5	698.1 - 693.1	10.5	15.5	16.42	17.25
MW-15A	Open Rock	BC	7/29/11	2077181.19	621224.52	708.20	705.78	8.0 - 27.0	697.8 - 678.8	8.0	27.0	17.28	28.47*
MW-15B	Open Rock	BC	8/1/11	2077182.37	621218.21	708.24	705.87	26.0 - 41.0	679.9 - 664.9	26.0	41.0	18.02	43.69
MW-16	Open Rock	Unknown	Unknown	2077199.83	621189.56	707.77	706.32	8.0 - 26.7	698.3 - 679.6	8.0	23.0	16.65	28.12

NOTES:

GS - Ground Surface.

BGS - Below ground surface.

NA - No information available.

* - The boreholes at MW-10A, MW-13A and MW-15A were backfilled to near the bottom of NAPL impact soon after completion.

TABLE 2. Groundwater Sampling Results Summary, CRS Site - Elyria, Ohio

Parameter	Units	MW-1	MW-5	MW-5	MW-6	MW-6	MW-6RA	MW-6RB	MW-6RC	MW-7A	MW-7D	MW-8D	MW-9D	MW-10A	MW-10B	MW-11A	MW-11B	MW-12	MW-13A	MW-14A	MW-15A	MW-15B	MW-16	MW-16
		8/18/2011	9/23/2010	8/17/2011	11/19/2010	8/19/2011	7/28/2011	8/18/2011	8/19/2011	8/19/2011	8/18/2011	8/18/2011	8/17/2011	8/18/2011	8/17/2011	8/18/2011	8/17/2011	7/25/2011	8/19/2011	8/23/2011	8/19/2011	8/17/2011	9/23/2010	8/19/2011
Volatile Organic Compound																								
Acetone	ug/L	1.1 J	< 1.9 JB	< 10	NA	< 4800 JB	41000	< 6500 JB	< 3300	< 33000	< 10	< 20	< 10	1800 J	1.3 J	< 630	< 100	< 3300	< 67	2400 J	< 63	< 100	< 1.4 JB	< 10
Benzene	ug/L	0.28 J	< 1	< 1	NA	< 2500	5800	4500	160 J	49000	4.4	12	0.5 J	7100	17	620	13	840	< 6.7	6300	9.3	< 10	< 1	< 1
2-Butanone	ug/L	< 10	< 10	< 10	NA	< 25000	34000	< 25000	< 3300	< 33000	< 10	< 20	< 10	< 8300	< 10	< 630	< 100	< 330	< 67	< 20000	< 63	< 100	< 10	< 10
Carbon tetrachloride	ug/L	< 1	< 1	< 1	NA	< 2500	< 560	< 2500	< 330	< 3300	< 1	< 2	< 1	< 830	< 1	< 63	< 10	< 330	< 6.7	< 2000	< 6.3	< 10	< 1	< 1
Chloroethane	ug/L	< 1	< 1	< 1	NA	< 2500	< 560	< 2500	< 330	< 3300	< 1	< 2	< 13	< 830	< 1	99	< 10	< 330	< 6.7	< 2000	< 6.3	< 10	< 1	< 1
Chloroform	ug/L	0.22 J	0.36 J	0.35 J	NA	< 2500	< 560	< 2500	< 330	< 3300	< 1	< 2	< 1	< 830	< 1	< 63	< 10	< 330	< 6.7	< 2000	< 6.3	< 10	< 1	< 1
Cyclohexane	ug/L	< 1	< 1	0.6 J	NA	< 2500	< 560	< 2500	< 330	< 3300	< 1	< 2	< 1	< 830	0.18 J	< 63	< 10	56 J	< 6.7	270 J	< 6.3	< 10	< 1	< 1
1,2-Dichlorobenzene	ug/L	0.13 J	< 1	< 1	NA	< 2500	< 560	< 2500	< 330	< 3300	< 1	< 2	< 1	< 830	< 1	< 63	< 10	< 330	< 6.7	< 2000	< 6.3	< 10	< 1	< 1
1,1-Dichloroethane	ug/L	32	4.4	6.7	NA	6200	460 J	< 2500	800	1300 J	0.69 J	3.2	< 1	< 830	23	360	11	< 330	< 6.7	< 2000	< 6.3	< 10	0.29 J	0.6 J
1,2-Dichloroethane	ug/L	< 1	< 1	< 1	NA	< 2500	< 560	< 2500	< 330	< 3300	< 1	< 2	< 1	< 830	< 1	< 63	< 10	< 330	< 6.7	< 2000	< 6.3	< 10	< 1	< 1
cis-1,2-Dichloroethene	ug/L	30	2.2	15	NA	81000	11000	49000	9100	70000	11	50	2	21000	16	960	140	8200	3.2 J	50000	22	< 10	0.42 J	1.8
trans-1,2-Dichloroethene	ug/L	5.5	0.24 J	0.91 J	NA	< 2500	< 560	< 2500	< 330	< 3300	< 1	0.43 J	< 1	< 830	< 1	< 63	< 10	< 330	< 6.7	< 2000	< 6.3	< 10	< 1	< 1
1,1-Dichloroethene	ug/L	< 1	< 1	0.63 J	NA	1700 J	< 560	1300 J	690	770 J	< 1	< 2	< 1	170 J	0.2 J	16 J	2.4 J	< 330	< 6.7	< 2000	< 6.3	< 10	< 1	< 1
trans-1,3-Dichloropropene	ug/L	< 1	< 1	< 1	NA	< 2500	< 560	< 2500	< 330	< 3300	< 1	< 2	< 1	< 830	< 1	< 63	< 10	< 330	< 6.7	< 2000	< 6.3	< 10	< 1	< 1
Ethylbenzene	ug/L	< 1	< 1	< 1	NA	990 J	1100	3100	570	1500 J	0.18 J	1.1 J	< 1	1800	0.85 J	86	< 10	460	2.6 J	1100 J	12	8.2 J	< 1	< 1
2-Hexanone	ug/L	< 10	< 10	< 10	NA	< 25000	700 J	< 25000	< 3300	< 33000	< 10	< 20	< 10	< 8300	< 10	< 630	< 100	< 3300	< 67	< 20000	< 63	< 100	< 10	< 10
Isopropylbenzene	ug/L	0.23 J	< 1	< 1	NA	< 2500	< 560	< 2500	< 330	< 3300	< 1	< 2	< 1	< 830	< 1	< 63	< 10	< 330	< 6.7	< 2000	1.1 J	< 10	< 1	0.54 J
4-Methyl-2-pentanone	ug/L	< 10	< 10	< 10	NA	2100 J	4800 J	< 25000	< 3300	9000 J	< 10	< 20	< 10	1400 J	0.72 J	< 630	< 100	< 3300	< 67	< 20000	< 63	< 100	< 10	< 10
Methylene chloride	ug/L	< 1	< 1	< 1	NA	9000	< 560	< 2500	< 330	< 3300	< 1	< 2	< 1	< 830	< 1	< 63	< 10	120 J	< 6.7	< 2100	< 6.3	< 10	< 1	< 1
Methylcyclohexane	ug/L	< 1	< 1	< 1	NA	< 2500	< 560	< 2500	< 330	< 3300	0.14 J	< 2	< 1	< 830	< 1	< 63	< 10	< 330	< 6.7	< 2000	< 6.3	< 10	< 1	< 1
Naphthalene	ug/L	< 0.87 JB	NA	< 1	NA	8600	4400	< 6000 JB	5200	5300	< 1	< 2	< 1	< 1700 JB	< 1.1 JB	< 25 J	< 10	NA	160	8800	230	270	NA	4
Styrene	ug/L	< 1	< 1	< 1	NA	380 J	< 560	1400 J	440	1700 J	< 1	< 2	< 1	< 830	< 1	< 63	< 10	< 330	5.0 J	3300	38	32	< 1	< 1
Tetrachloroethene	ug/L	4.3	4.4	5.3	NA	< 2500	< 560	< 2500	< 330	< 3300	< 1	< 2	< 1	< 830	0.72 J	< 63	23	< 330	13	< 2000	31	< 10	6.6	26
Toluene	ug/L	< 1	< 1	< 1	NA	16000	19000	75000	9800	92000	< 1	< 2	< 1	12000	8.4	120	2.6 J	680	24	40000	120	71	< 1	< 1
1,1,1-Trichloroethane	ug/L	9.3	0.41 J	0.96 J	NA	23000	410 J	19000	5800	7300	< 1	< 2	< 1	910	< 1	< 63	< 10	220 J	7.5	2600	3.5 J	< 10	0.40 J	1.2
Trichloroethene	ug/L	13	3.3	17	NA	9300	100 J	< 2500	< 330	45000	0.51 J	1.4 J	< 1	< 830	0.48 J	19 J	13	< 330	13	16000	7.2	< 10	1.9	6.1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	< 1	2.6	4.6	NA	< 2500	< 560	< 2500	< 330	< 3300	< 1	< 2	< 1	< 830	< 1	< 63	< 10	< 330	< 6.7	< 2000	< 6.3	< 10	< 1	< 1
1,2,4-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	170 J	NA	240 J	NA	NA	NA	NA	NA	NA	NA	NA	62 J	NA	NA	8.3	8.9 J	NA	0.41 J
1,3,5-Trimethylbenzene	ug/L	NA	NA	NA	NA	NA	150 J	NA	86 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.2 J	3 J	NA	NA
Vinyl chloride	ug/L	2.6	0.45 J	3.8	NA	< 2500	< 560	< 2500	200 J	< 3300	1.1	6.4	< 1	< 830	3	480	24	< 330	< 6.7	< 2000	< 6.3	< 10	< 1	< 1
Xylenes (total)	ug/L	< 2	< 2	< 2	NA	3400 J	4700	6100	2300	3800 J	< 2	< 4	< 2	4500	2.1	180	< 20	1300	17	4800	68	67	< 2	2
Semi-Volatile Organic Compounds																								
Acenaphthene	ug/L	< 0.19	NA	< 0.19	< 40	< 38	NA	< 38	< 38	< 24	< 0.19	< 0.19	< 0.19	35	< 0.19	0.32	< 0.19	1.6	0.91	< 76	2	0.68	NA	1.4
Acenaphthylene	ug/L	< 0.19	NA	< 0.19	120	82	NA	210	< 38	150	< 0.19	< 0.19	< 0.19	9.5	< 0.19	< 0.19	0.84	< 0.42	2.6	370	16	4.4	NA	2
Acetophenone	ug/L	< 0.95	NA	< 0.96	< 200	< 190	NA	< 190	< 190	< 120	< 0.95	< 0.95	< 0.95	< 48	< 0.95	< 0.95	< 0.95	10	< 0.95	< 380	< 0.95	< 0.95	NA	< 0.95
Anthracene	ug/L	< 0.19	NA	< 0.19	< 40	< 38	NA	< 38	< 38	67	< 0.19	< 0.19	< 0.19	< 9.5	< 0.19	< 0.19	< 0.19	< 0.42	3.9	< 76	2.8	0.2	NA	0.33
Benzo(a)anthracene	ug/L	< 0.19	NA	< 0.19	< 40	< 38	NA	< 38	< 38	44	< 0.19	< 0.19	< 0.19	< 9.5	< 0.19	< 0.19	< 0.19	< 0.42	1.7	< 76	< 0.19	< 0.19	NA	< 0.19
Benzo(a)pyrene	ug/L	< 0.19	NA	< 0.19	< 40	< 38	NA	< 38	< 38	44	< 0.19	< 0.19	< 0.19	< 9.5	< 0.19	< 0.19	< 0.19	< 0.42	1.2	< 76	< 0.19	< 0.19	NA	< 0.19
Benzo(b)fluoranthene	ug/L	< 0.19	NA	< 0.19	< 40	< 38	NA	< 38	< 38	28	< 0.19	< 0.19	< 0.19	< 9.5	< 0.19	< 0.19	< 0.19	< 0.42	1.0	< 76	< 0.19	< 0.19	NA	< 0.19
Benzo(ghi)perylene	ug/L	< 0.19	NA	< 0.19	< 40	< 38	NA	< 38	< 38	25	< 0.19	< 0.19	< 0.19	< 9.5	< 0.19	< 0.19	< 0.19	< 0.42	0.74	< 76	< 0.19	< 0.19	NA	< 0.19
Benzo(k)fluoranthene	ug/L	< 0.19	NA	< 0.19	< 40	< 38	NA	< 38	< 38	< 24	< 0.19	< 0.19	< 0.19	< 9.5	< 0.19	< 0.19	< 0.19	< 0.42	0.39	< 76	< 0.19	< 0.19	NA	< 0.19
1,1'-Biphenyl	ug/L	< 0.95	NA	< 0.96	< 200	< 190	NA	< 190	< 190	< 120	< 0.95	< 0.95	< 0.95	< 48	< 0.95	< 0.95	< 0.95	1.7 J	< 0.95	< 380	6.2	1.6	NA	4
Bis(2-ethylhexyl)phthalate	ug/L	< 1.9	NA	1.2 J	< 400	< 380	NA	< 380	< 380	< 240	1.1 J	< 1.9	< 1.9	< 95	< 1.9	< 1.9	0.88 J	< 4.2	< 1.9	< 760	< 1.9	1.1 J	NA	< 1.9
Carbazole	ug/L	< 0.95	NA	< 0.96	< 200	< 190	NA	< 190	< 190	< 120	< 0.95	< 0.95	< 0.95	< 48	< 0.95	< 0.95	< 0.95	< 2.1	< 0.95	< 380	0.31 J	< 0.95	NA	< 0.95
Chrysene	ug/L	< 0.19	NA	< 0.19	< 40	< 38	NA	< 38	< 38	36	< 0.19	< 0.19	< 0.19	< 9.5	< 0.19	< 0.19	< 0.19	< 0.42	1.4	< 76	< 0.19	< 0.19	NA	< 0.19
Dibenz(a,h)anthracene	ug/L	< 0.19	NA	< 0.19	< 40	< 38	NA	< 38	< 38	< 24	< 0.19	< 0.19	< 0.19	< 9.5	< 0.19	< 0.19	< 0.19	< 0.42	0.12 J	< 76	< 0.19	< 0.19	NA	< 0.19
Dibenzofuran	ug/L	< 0.95	NA	< 0.96	< 200	< 190	NA	< 190	< 190	< 120	< 0.95	< 0.95	< 0.95	< 48	< 0.95	< 0.95	< 0.95	< 2.1	< 0.95	< 380	0.31 J	< 0.95	NA	< 0.95
2,4-Dimethylphenol	ug/L	< 1.9	NA	< 1.9	< 400	< 380	NA	< 380	< 380	< 240	< 1.9	< 1.9	< 1.9	< 95	< 1.9	< 1.9	< 1.9	2.7 J	< 1.9	< 760	< 1.9	< 1.9	NA	< 1.9
Fluoranthene	ug/L	< 0.19	NA	< 0.19	< 40	< 38	NA	< 38	< 38	110	< 0.19	< 0.19	< 0.19	< 9.50	< 0.19	< 0.19	< 0.19	0.60	9.7	< 76	5	0.21	NA	0.86
Fluorene	ug/L	< 0.19	NA	< 0.19	< 40	< 38	NA	51	< 38	81	< 0.19	< 0.19	< 0.19	< 0.95	< 0.19	< 0.19	< 0.19	1.3	4.9	< 76	2.7	0.67	NA	< 0.19
Indeno(1,2,3-cd)pyrene	ug/L	< 0.19	NA	< 0.19	< 40	< 38	NA	< 38	< 38	17 J	< 0.19	< 0.19	< 0.19	< 0.95	< 0.19	< 0.19	< 0.19	< 0.42	0.46	< 76	< 0.19	< 0.19	NA	< 0.19
Isophorone	ug/L	< 0.95	NA	< 0.96	< 200	650	NA	< 190	< 190	35 J	< 0.95	< 0.95	< 0.95	< 48	< 0.95	< 0.95	< 0.95	< 2.1	< 0.95	< 380	< 0.95	< 0.95	NA	< 0.95
2-Methylnaphthalene	ug/L	< 0.19	NA	< 0.19	370	360	NA	610	200	390	< 0.19	< 0.19	< 0.19	130	< 0.19	0.82	< 0.19	4.7	0.58	330	6.4	6.9	NA	0.91
2-Methylphenol	ug/L	< 0.95	NA	< 0.96	< 200	< 190	NA	< 190	< 190	< 120	< 0.95	< 0.95	< 0.95	< 48	< 0.95	< 0.95	< 0.95	2.7	< 0.95	< 380	< 0.95	< 0.95	NA	< 0.95
3 & 4-Methylphenol	ug/L	< 1.9	NA	< 1.9	NA	< 380	NA	< 380	< 380	< 240	< 1.9	< 1.9	< 1.9	< 95	< 1.9	< 1.9	< 1.9	5.1	< 1.9	< 760	< 1.9	< 1.9	NA	< 1.9
Naphthalene	ug/L	< 0.19	NA	< 0.19	6000	6300	NA	7200	4600	5100	< 0.19	< 0.19	< 0.19	1800	0.88	11	0.29	52	0.25	9500	150	210	NA	2.8
Phenanthrene	ug/L	< 0.19	NA	< 0.19	55	< 38	NA	< 38	< 38	290	< 0.19	< 0.19	< 0.19	26	< 0.19	< 0.19	< 0.19	2.4	4.1	< 76	15	1.8	NA	0.38
Phenol	ug/L	< 0.95	NA	< 0.96	< 200	< 190	NA	< 190	< 190	< 120	< 0.95	< 0.95	< 0.95	33 J	< 0.95	3.5	< 0.95	11	< 0.95	< 380	< 0.95	< 0.95	NA	< 0.95
Pyrene	ug/L	< 0.19	NA	< 0.19	< 40	< 38	NA	< 38	< 38	150	< 0.19	< 0.19	< 0.19	< 9.5	< 0.19	< 0.19	< 0.19	0.65	12	< 76	6.2	0.22	NA	0.66

NOTES:

J-Estimated result. Result is less than the reporting limit.

B-Method blank contamination. The associated method blank contains the target analyte at a reportable level.

TABLE 3. NAPL Sampling Summary Table - CRS Site, Elyria, Ohio

Parameter	Units	MW-6 DNAPL		MW-6 LNAPL	MW-7A LNAPL		MW-7A DNAPL	MW-13 DNAPL	MW-13 LNAPL	MW-14A DNAPL	MW-14A LNAPL
		9/29/2010	11/16/2010	11/16/2010	8/19/2011	9/21/2011	9/21/2011	7/27/2011	7/27/2011	8/19/2011	8/19/2011
Volatile Organic Compounds											
Acetone	mg/kg	< 2100	NA	< 2100	< 4	1.5 J	< 400	< 380	< 4	< 4	< 22000
Benzene	mg/kg	320 J	NA	< 520	24	63	710	< 94	< 1	5.9	2300 J
Cyclohexane	mg/kg	< 2100	NA	< 2100	< 2	< 4	< 200	40 J	< 2	0.310 J	< 11000
1,1-Dichloroethane	mg/kg	< 530	NA	< 520	0.730 J	0.990 J	< 100	< 94	< 1	0.490 J	< 5400
1,1-Dichloroethene	mg/kg	270 J	NA	< 520	0.570 J	0.760 J	< 100	< 94	< 1	0.420 J	< 5400
cis-1,2-Dichloroethene	mg/kg	4400	NA	< 260	37	47	210	< 94	< 1	27	6700
Ethylbenzene	mg/kg	2500	NA	< 520	0.930 J	2	300	550	0.33 J	1.5	6000
2-Hexanone	mg/kg	< 2100	NA	< 2100	0.630 J	1.6 J	< 400	< 380	< 4	< 4	< 22000
Isopropylbenzene	mg/kg	86 J	NA	< 1000	< 1	< 2	< 100	72 J	< 1	< 1	< 5400
4-Methyl-2-pentanone	mg/kg	< 2100	NA	< 2100	5.4	14	17 J	< 380	< 4	1 J	< 22000
Methylcyclohexane	mg/kg	360 J	NA	< 520	< 1	< 2	< 21 J	670	< 1	< 1	< 5400
Methylene chloride	mg/kg	< 530	NA	< 520	< 1	< 2	< 100	180	< 2 JB	< 1	< 5400
Naphthalene	mg/kg	92000 J	NA	28000	35	16	4700	NA	NA	47	230000
Styrene	mg/kg	960	NA	590	1.5	3.2	320	1900	1.5	5.3	18000
Tetrachloroethene	mg/kg	140 J	NA	< 520	0.400 J	< 2	29 J	48 J	< 1	0.420 J	< 5400
Toluene	mg/kg	32000	NA	440 J	39	62	2600	820	1.1	34	53000
1,1,1-Trichloroethane	mg/kg	4200	NA	< 520	3	2.9	85 J	40 J	< 1	2.1	2200 J
Trichloroethene	mg/kg	< 530	NA	< 520	18	13	440	61 J	< 1	14	17000
1,2,4-Trimethylbenzene	mg/kg	3400	NA	1000	NA	0.58 J	170	NA	NA	NA	NA
1,3,5-Trimethylbenzene	mg/kg	1200	NA	820 J	NA	NA	62 J	NA	NA	NA	NA
Vinyl Chloride	mg/kg	< 1000	NA	< 1000	0.120 J	< 4	< 200	< 190	< 2	< 2	< 11000
Xylenes (total)	mg/kg	7200	NA	430 J	2.7	5.8	780	4700	3.1	7.3	28000
Semi-Volatile Organic Compounds											
Acenaphthene	mg/kg	NA	52	NA	< 19	< 20	< 500	1300 J	28 J	< 20	1100 J
Acenaphthylene	mg/kg	NA	380	NA	< 19	1.5 J	270 J	12000	220	2.1 J	12000
Anthracene	mg/kg	NA	310	NA	< 19	1.3 J	260 J	6700 J	120 J	< 20	5400 J
Benzo(a)anthracene	mg/kg	NA	< 25	NA	< 19	< 20	150 J	3500 J	74 J	< 20	3500 J
Benzo(a)pyrene	mg/kg	NA	260	NA	< 19	< 20	160 J	4100 J	78 J	< 20	3200 J
Benzo(b)fluoranthene	mg/kg	NA	200	NA	< 19	< 20	120 J	2100 J	49 J	< 20	2200 J
Benzo(ghi)perylene	mg/kg	NA	150	NA	< 19	< 20	100 J	2500 J	51 J	< 20	1700 J
Benzo(k)fluoranthene	mg/kg	NA	110	NA	< 19	< 20	35 J	1700 J	29 J	< 20	1300 J
1,1'-Biphenyl	mg/kg	NA	130 J	NA	< 19	< 20	140 J	4200 J	79 J	< 20	2700 J
Chrysene	mg/kg	NA	< 25	NA	< 19	< 20	140 J	3900 J	72 J	< 20	3000 J
Fluoranthene	mg/kg	NA	600	NA	< 19	2 J	420 J	11000	200 J	1.5 J	8900 J
Fluorene	mg/kg	NA	280	NA	< 19	< 20	210 J	6200 J	120 J	< 20	5100 J
Indeno(1,2,3-cd)pyrene	mg/kg	NA	91	NA	< 19	< 20	64 J	1500 J	31 J	< 20	1200 J
2-Methylnaphthalene	mg/kg	NA	790	NA	< 19	3.2 J	650	22000	400	3 J	18000
Naphthalene	mg/kg	NA	3400	NA	14 J	26	3100	89000	1500	24	110000
Phenanthrene	mg/kg	NA	1200	NA	< 19	4.3 J	830	23000	450	3.6 J	20000
Pyrene	mg/kg	NA	850	NA	< 19	2.9 J	570	15000	300	2.1 J	12000

NOTES:

J-Estimated result.

B-Method blank contamination. The associated method blank contains the target analyte at a reportable level.

NA - Not analyzed

TABLE 4. Soil Sampling Results Table - CRS Site, Elyria, Ohio

Parameter	Units	GP-47, 4-6' 11/17/2010	GP-54, 4-8' 11/17/2010	GP-56, 8-9' 11/17/2010	GP-57, 4-8' 11/17/2010	GP-74, 12-16' 11/18/2010	GP-75, 8-10' 11/18/2010	GP-80, 12-15' 11/19/2010	GP-84, 15-16' 11/19/2010	GP-102, 15-16' 7/14/2011	GP-103, 8-9' 7/14/2011	GP-104, 15-16' 7/14/2011
Volatile Organic Compounds												
Acetone	mg/kg	< 1.1	0.82 J	< 11	< 620	16 J	< 1.2	< 6	< 62	< 24	< 1.1	< 62
Benzene	mg/kg	< 0.26	< 0.91	< 2.7	17 J	7.2	< 0.29	0.48 J	19	17	< 0.28	61
2-Butanone	mg/kg	< 1.1	0.52 J	< 11	< 620	11 J	< 1.2	0.65 J	7.9 J	< 24	< 0.13 JB	< 62
Carbon disulfide	mg/kg	< 0.26	0.15 J	< 2.7	< 150	< 6.4	< 0.29	< 1.5	< 15	< 6.1	< 0.28	< 16
Cyclohexane	mg/kg	< 0.53	0.16 J	< 5.4	< 310	< 13	< 0.58	< 3	< 31	< 12	0.053 J	< 31
1,2-Dichlorobenzene	mg/kg	1.8	0.46 J	0.75 J	< 150	< 6.4	0.17 J	3.7	< 15	< 6.1	0.077 J	< 16
1,3-Dichlorobenzene	mg/kg	0.041 J	0.063 J	< 2.7	< 150	< 6.4	< 0.29	0.051 J	< 15	< 6.1	< 0.28	< 16
1,4-Dichlorobenzene	mg/kg	0.36	0.17 J	< 2.7	< 150	< 6.4	< 0.011 JB	0.35 J	< 15	< 6.1	< 0.28	< 16
1,1-Dichloroethane	mg/kg	< 0.26	< 0.91	< 2.7	< 150	< 6.4	< 0.29	< 1.5	1.6 J	< 6.1	< 0.28	< 16
1,1-Dichloroethene	mg/kg	< 0.26	0.4 J	< 2.7	< 150	< 6.4	< 0.29	< 1.5	< 15	< 6.1	< 0.28	< 16
1,2-Dichloroethane	mg/kg	< 0.26	< 0.91	< 2.7	< 150	< 6.4	< 0.29	< 1.5	< 15	0.39 J	< 0.28	1.5 J
cis-1,2-Dichloroethene	mg/kg	0.03 J	1.1	0.16 J	32 J	5.6 J	0.12 J	0.67 J	11 J	14	0.05 J	14 J
Ethylbenzene	mg/kg	0.59	0.32 J	12	300	9.4	1.6	19	29	7.6	0.23 J	12 J
Isopropylbenzene	mg/kg	0.066 J	0.053 J	0.25 J	9.6 J	< 6.4	0.2 J	2.7	< 15	< 6.1	0.02 J	< 16
4-Methyl-2-pentanone	mg/kg	< 1.1	< 3.6	< 11	< 620	1.5 J	< 1.2	< 6	< 62	1.3 J	< 1.1	< 62
Methyl acetate	mg/kg	< 0.53	0.21 J	< 5.4	< 310	< 13	0.055 J	< 3	< 31	< 12	< 0.56	< 31
Methylcyclohexane	mg/kg	0.025 J	0.28 J	0.22 J	25 J	< 13	0.098 J	0.23 J	< 31	< 12	0.015 J	< 31
Methylene chloride	mg/kg	< 0.26	< 0.91	< 2.7	< 150	< 6.4	< 0.29	< 1.5	< 15	2.4 J	0.14 J	8.4 J
Naphthalene	mg/kg	2.5	0.23 J	86	49 J	100	1.1	3.9	490	NA	NA	NA
Styrene	mg/kg	< 0.26	< 0.91	< 2.7	< 150	< 6.4	< 0.29	< 1.5	3.6 J	12	0.056 J	57
Tetrachloroethene	mg/kg	0.13 J	11	0.22 J	13 J	< 6.4	0.05 J	0.092 J	< 15	5.9 J	0.21 J	0.85 J
Toluene	mg/kg	0.44	0.43 J	32	1600	16	1.4	5.5	120	54	0.66	170
1,2,4-Trichlorobenzene	mg/kg	0.015 J	0.14 J	< 2.7	< 150	< 6.4	0.022 J	0.12 J	< 15	< 6.1	< 0.28	< 16
1,1,1-Trichloroethane	mg/kg	0.14 J	17	< 2.7	160	< 6.4	0.072 J	< 1.5	9.9 J	0.59 J	< 0.28	1.7 J
Trichloroethene	mg/kg	1	17	< 2.7	20 J	< 6.4	0.044 J	0.33 J	0.74 J	41	0.033 J	30
1,2,4-Trimethylbenzene	mg/kg	0.72	1.1	4.4	25 J	1.9 J	2.6	45	14 J	NA	NA	NA
1,3,5-Trimethylbenzene	mg/kg	0.49	1.2	1.5 J	8.4 J	0.8 J	0.75	14	5.2 J	NA	NA	NA
Xylenes (total)	mg/kg	6.3	6.6	43	1300	15	11	85	63	24	2.2	71
Semi-Volatile Organic Compounds												
Acenaphthene	mg/kg	9.3	< 0.074	0.12	0.95	1.1	0.016	< 0.16	7.6	0.18 J	NA	0.32
Acenaphthylene	mg/kg	36	2.4	0.16	8.8	3.1	0.035	< 0.16	5.2	1.1	NA	1.4
Anthracene	mg/kg	20	0.51	0.36	8.5	3.3	0.017	< 0.16	20	0.86	NA	1.6
Benzo(a)anthracene	mg/kg	12	2.1	0.28	32	2.4	0.086	< 0.16	13	0.61	NA	0.81
Benzo(a)pyrene	mg/kg	15	3.6	0.3	79	2.3	0.069	0.22	12	0.59	NA	0.74
Benzo(b)fluoranthene	mg/kg	12	4.1	0.26	67	1.5	0.25	0.52	8.1	0.45	NA	0.6
Benzo(ghi)perylene	mg/kg	14	6.3	0.24	100	1.3	0.5	0.63	6.8	0.3	NA	0.38
Benzo(k)fluoranthene	mg/kg	3.5	1.5	0.1	25	< 0.69	0.095	< 0.16	4.5	0.14 J	NA	0.26
1,1'-Biphenyl	mg/kg	18	< 0.55	0.22	2.4 J	4.2 J	0.11 J	< 1.2	10	< 1.5	NA	0.83 J
bis(2-Ethylhexyl) phthalate	mg/kg	< 5.3	2.4	0.089 J	4	< 5.2	2.7	< 3.7 B	< 7.9	< 1.5	NA	< 1.2
Butyl benzyl phthalate	mg/kg	1.8 J	0.47 J	< 0.14	< 4	< 5.2	< 0.12	0.92 J	< 7.9	< 1.5	NA	< 1.2
Chrysene	mg/kg	13	2.5	0.32	42	2.2	0.18	0.32	12	0.53	NA	0.8
Dibenz(a,h)anthracene	mg/kg	1.3	< 0.074	0.034	13	< 0.69	< 0.037	< 0.16	< 1	< 0.21	NA	< 0.17
2,4-Dimethylphenol	mg/kg	< 16	< 1.7	< 0.41	< 12	< 16	0.3 J	< 3.6	< 24	< 4.6	NA	< 3.7
Fluoranthene	mg/kg	48	2.9	1.1	38	5.6	0.28	0.29	29	1.4	NA	2.7
Fluorene	mg/kg	35	0.19	0.56	4.6	4.1	0.041	< 0.16	15	0.87	NA	1.7
Indeno(1,2,3-cd)pyrene	mg/kg	8.2	3.5	0.15	60	0.88	0.23	0.33	4.1	0.21	NA	0.25
Isophorone	mg/kg	< 5.3	< 0.55	< 0.14	1.1 J	< 5.2	< 0.12	< 1.2	< 7.9	< 1.5	NA	< 1.2
2-Methylnaphthalene	mg/kg	51	0.14	0.51	6.7	17	0.24	3.1	57	3.5	NA	5
2-Methylphenol	mg/kg	< 21	< 2.2	< 0.54	< 16	< 21	1.1	< 4.8	< 31	< 6.2	NA	< 5
3 & 4-Methylphenol	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	< 12	NA	< 10
4-Methylphenol	mg/kg	< 21	< 2.2	< 0.54	< 16	< 21	0.99 #	< 4.8	< 31	NA	NA	NA
Naphthalene	mg/kg	9.1	0.12	0.33	3.7	130	0.58	2.6	250	24	NA	19
Phenanthrene	mg/kg	120	0.58	3.1	35	15	0.32	0.27	72	3.2	NA	7.6
Pyrene	mg/kg	69	6	1.7	86	8.1	0.43	0.47	47	1.9	NA	3.7
Aroclor 1242	mg/kg	< 0.35	< 0.037	< 0.036	0.25	< 0.043	0.25	< 0.04	< 0.042	NA	NA	NA
Aroclor 1254	mg/kg	< 0.35	0.045	< 0.036	0.41	< 0.043	0.31	0.15	< 0.042	NA	NA	NA

NOTES:

J-Estimated result.

B-Method blank contamination. The associated method blank contains the target analyte at a reportable level.

#-This value represents a probably combination of 3-methylphenol and 4-methylphenol

NA - Not analyzed