



Devin Sprinkle
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Subject:

Summary of Initial Assessment Activities Completed through June 30, 2009
Chicago Central & Pacific Railroad
June 19, 2009 Perryville Derailment (MP 80.1)
Rockford, Illinois

Dear Devin:

Beginning on June 25, 2009 and continuing through June 30, 2009, ARCADIS completed fifty five (55) soil borings, two (2) hand augers, and six (6) temporary monitoring wells at the Chicago Central & Pacific Railroad (CC&P) 6/19/09 Rockford (Perryville), Illinois Derailment located at mile post 80.1 in Rockford, Illinois (the Site) (Figure 1). The purpose of this letter is to summarize the soil and groundwater sampling completed and present preliminary results.

Field Activities

On June 25, 2009, ARCADIS met with Boart Longyear onsite (drilling subcontractor to ARCADIS) to perform an emergency utility locate with J.U.L.I.E. member utilities. Representatives from Nicor, AT&T, and local water and sewer utilities met at the Site to locate any underground utilities in the investigation area. All utilities were clearly marked with appropriate paint and/or marking flags.

On June 26, 2009, subsurface investigation activities were initiated as outlined in the United States Environmental Protection Agency (U.S. EPA) approved Initial Field Sampling Plan dated June 25, 2009 prepared by ARCADIS. A U.S. EPA START contractor (Weston) provided oversight during investigation activities. Fifty five (55) soil borings (SB-1 to SB-55) were advanced in the five (5) identified investigation areas (tank car staging area and derailment area) using a track-mounted, direct-push (Geoprobe) type drill rig to depths ranging from 5 feet below ground surface (bgs) to 30 feet bgs. Each soil boring was continuously sampled with a five-foot macrocore sampling device. Soil borings were described by an ARCADIS geologist using the

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United Soil Classification System (USCS) and each two foot interval was field screened for volatile organic compounds with a photoionization detector (PID) equipped with a 10.6 eV lamp and with a flame ionization detector (FID).

A minimum of one (1) discrete soil sample from each soil boring from 0 to 2 feet bgs was submitted for laboratory analysis. Additional soil samples from above the water table were collected and submitted for laboratory analysis if field screening results (visual inspection and PID/FID screening) warranted additional sample collection. All soil samples were analyzed for volatile organic compounds (VOCs) using U.S. EPA Method 8260B. Additionally, soil samples from soil borings SB-49 to SB-55 were analyzed for semi-volatile organic compounds (SVOCs) using U.S. EPA Method 8270C.

Due to saturated soils, two proposed soil boring locations were inaccessible to the track mounted Geoprobe drill rig. Hand augers were advanced in these locations to a depth of 2 feet in both locations. Soil samples were collected from the 0 to 2 foot interval from hand auger borings HA-1 and HA-2 for analysis of VOCs by U.S. EPA Method 8260B and SVOCs by U.S. EPA Method 8270C.

All soil samples were submitted to PACE Analytical (PACE), located in Green Bay, Wisconsin, under a 24-hour turn-around time. Samples were transported in coolers with ice via courier to the laboratory using normal chain-of-custody documentation. Sixty one (61) total soil samples were collected during the investigation activities.

Six soil boring locations (SB-1, SB-36, SB-44, SB-48, SB-50, and SB-51) were converted into 2-inch diameter temporary monitoring wells (MW-1 to MW-6, respectively). Temporary monitoring wells were installed using hollow stem auger (HSA) techniques. The temporary monitoring wells were constructed using two-inch diameter PVC well pipe and a ten-foot section of two-inch diameter, 0.010 inch (10 slot) well screen set to intersect the shallow water table. A filter pack consisting of clean quartz sand was placed in the boring annulus to approximately 1.5 to 2 feet above top of the screened interval. Each well location was finished to the surface with bentonite chips which were hydrated with clean water to provide a surface seal. Each monitoring well was developed with a submersible pump by removing a minimum of ten (10) well volumes or purging dry ten (10) times, whichever occurred first.

One soil boring was selected for collection of geotechnical parameters. Soil boring GT-1 was advanced to 15 feet bgs. Soil samples from the 2 to 4 foot and the 10-12

foot intervals were collected for analysis of soil bulk density (ASTM D2937-94), soil particle density (ASTM D854-92), moisture content (ASTM D4959-89, D4643-93, D2216-92, D3017-88), or equivalent U.S. EPA method, organic carbon (ASTM D2974-00), and grain size analysis. Samples were sent to CGC, Inc., of Madison, Wisconsin using normal chain-of-custody documentation.

Each soil boring and temporary monitoring well was located with a global positioning system (GPS). Temporary monitoring wells were surveyed for top of casing elevation with laser surveying equipment relative to a nearby bench mark. The bench mark was identified by Trotter Engineering as a pole on the southeast corner of the intersection between Mulford Road and the Union Pacific Railroad tracks. Locations of soil borings and temporary monitoring wells are depicted on Figure 2.

On June 29 and June 30, 2009, ARCADIS collected groundwater samples from the newly installed temporary monitoring wells. Each temporary monitoring well was gauged with an electronic water level indicator. Temporary monitoring wells were purged of 3 to 5 well volumes of water, or purged dry, prior to collection of groundwater samples. The groundwater samples were retrieved with new dedicated disposable polyethylene bailers. Samples were collected in laboratory-supplied containers and immediately placed on ice for preservation. Samples were transported via courier to PACE in Green Bay, Wisconsin, under a 24-hour turn-around time for analysis of VOCs by U.S. EPA Method 8260B and SVOCs by U.S. EPA Method 8270C.

Results

In the tank car staging area, the geology typically consists of 9 to 11 feet of silty clay or clayey silt that overlies a medium to fine sand. The sand progressively gets finer with depth and silt and clay content also increases with depth. The maximum depth drilled in the tank car staging area was 30 feet bgs. Bedrock was not encountered in the tank car staging area.

In the immediate vicinity of the derailment, the geology typically consists of 10 to 15 feet of silty sandy clay that overlies a medium to fine clayey sand. The sand progressively gets finer with depth and silt and clay content also increases with depth. Bedrock was encountered at depths of 20 to 22 feet bgs in the immediate vicinity of the derailment.

Groundwater was encountered in temporary monitoring wells at elevations ranging from 781.63 to 793.18 feet above mean sea level. In the tank car staging area, groundwater was observed between 5.5 and 6.5 feet bgs. In the immediate vicinity of the derailment, groundwater was observed at depths less than 2 feet bgs. Groundwater elevations obtained on June 30, 2009 are provided in Table 1.

Groundwater elevation data were used to create a groundwater elevation contour map, which is included as Figure 3. The preliminary gradient calculated for the Site is approximately 0.029 feet/foot toward the southeast.

Soil and groundwater analytical results have been compared to remediation objectives (ROs) set forth in Title 35 Illinois Administrative Code (IAC) Part 742 known as the Tiered Approach to Corrective Action Objectives (TACO) regulations. The exposure scenarios include residential, industrial/commercial, and construction worker receptors as well as groundwater ingestion (including the soil component of groundwater ingestion) remediation objectives for Class I groundwater.

All soil and groundwater results were below applicable Tier 1 remediation objectives with the exception of soil sample SB-51 (0-2'). Acetaldehyde was not detected as a tentatively identified compound (TIC) in any of the analyzed samples. The detected concentration of benzo(a)pyrene (0.317 milligrams per kilogram (mg/kg)) in soil sample SB-51 (0-2') exceeded the Tier 1 remediation objective for benzo(a)pyrene for the residential ingestion pathway of 0.09 mg/kg. However, the Site is located within a metropolitan area as defined in 35 IAC 742 Appendix A, Table H for concentrations of polynuclear aromatic hydrocarbon chemicals in background soils. The background concentration in a metropolitan area for benzo(a)pyrene is 2.1 mg/kg. Therefore, soil sample SB-51 (0-2') does not exceed the background concentration in soil for a metropolitan area and thus by rule does not exceed the residential ingestion pathway.

Preliminary soil and groundwater analytical results are summarized in Tables 2 and 3, respectively.

Please feel free to contact the undersigned if you have any questions or concerns at (312) 263-6703.

Sincerely,

ARCADIS



Todd O'Brien
Project Manager

Enclosures:

Table 1 – Groundwater Elevation Data

Table 2 – Soil Analytical Results

Table 3 – Water Analytical Results

Figure 1 – Site Location Map

Figure 2 – Sample Location Map

Figure 3 – Groundwater Elevation & Flow Map

Copies:

Brian Hayden – CN

Curtis Bartz – CN

Normand Pellerin – CN

Rick Verkler – CN

Martina Jones – ARCADIS

Doug Etscheid – ARCADIS

Table 1. Groundwater Elevation Data,
CC&P Perryville 6/19/09 Derailment
Perryville, Illinois

Monitoring Well	Date Measured	Casing Elevation	Depth to Groundwater	Groundwater Elevation	Total Depth
MW-1	6/30/09	797.25	10.38	786.87	19.87
MW-2	6/30/09	800.44	7.26	793.18	15.10
MW-3	6/30/09	799.68	7.47	792.21	15.10
MW-4	6/30/09	787.66	4.14	783.52	15.10
MW-5	6/30/09	786.53	4.90	781.63	15.10
MW-6	6/30/09	788.55	5.63	782.92	15.10

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID Sample Name Depth Interval (ft-bgs) Sample Date Chemical Name	Unit	Residential Ingestion	Residential Inhalation	Construction Worker Ingestion	Construction Worker Inhalation	Industrial Commercial Ingestion	Industrial Commercial Inhalation	Soil Component of Groundwater Class I	Metropolitan Area Background Values	HA001 HA-1(0-2) 20090630 0 - 2 6/30/2009	HA002 HA-2(0-2) 20090630 0 - 2 6/30/2009	SB001 SB-1 (0-2) 20090626 0 - 2 6/26/2009	SB001 SB-1 (2-4) 20090626 2 - 4 6/26/2009	SB002 SB-2 (0-2) 20090626 0 - 2 6/26/2009	SB003 SB-3 (0-2) 20090626 0 - 2 6/26/2009
VOCs-8260															
1,1,1-Trichloroethane	mg/kg	NS	1,200	NS	1200	NS	1,200	2	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
1,1,2,2-Tetrachloroethane	mg/kg	310	2000	2000	2000	8200	2000	0.22	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1800	8,200	1,800	0.02	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
1,1-Dichloroethane	mg/kg	7,800	1300	200,000	130	200,000	1,700	23	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
1,1-Dichloroethylene	mg/kg	3,900	290	10,000	3	100,000	470	0.06	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
1,2-Dichloroethane	mg/kg	7	0.4	1,400	0.99	63	0.7	0.02	NS	< 0.0061	< 0.0061	< 0.0274	< 0.0281	< 0.0286	< 0.0287
1,2-Dichloropropane	mg/kg	9	15	1,800	0.5	84	23	0.03	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
Acetone	mg/kg	70,000	100,000	NS	100000	NS	100,000	25	NS	< 0.0244	0.0687	< 0.274	< 0.281	< 0.286	< 0.287
Benzene	mg/kg	12	0.8	2,300	2.2	100	1.6	0.03	NS	0.0148	0.0158	< 0.0274	< 0.0281	< 0.0286	< 0.0287
Bromodichloromethane	mg/kg	10	3,000	2,000	3000	92	3,000	0.6	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
Bromomethane	mg/kg	110	10	1,000	3.9	2,900	15	0.2	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
Carbon Disulfide	mg/kg	7,800	720	20,000	9	200,000	720	32	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	44	0.64	0.07	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	41,000	210	1	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
Chlorodibromomethane	mg/kg	1,600	1,300	41,000	1300	41,000	1,300	0.4	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
Chloroethane	mg/kg	NS	1500	NS	97	NS	1500	NS	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
Chloroform	mg/kg	100	0.3	2,000	0.76	940	0.54	0.6	NS	< 0.0061	< 0.0061	< 0.274	< 0.281	< 0.286	< 0.287
Chloromethane	mg/kg	NS	110	NS	11	NS	180	NS	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1200	20,000	1,200	0.4	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
cis-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
Dichloromethane	mg/kg	85	13	12,000	34	760	24	0.02	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
Ethanol	mg/kg	NS	NS	1000000	100000	1000000	100000	2300	NS	< 0.611	140	< 5.49	< 5.62	< 5.71	< 5.74
Ethylbenzene	mg/kg	7,800	400	20,000	58	200,000	400	13	NS	< 0.0061	< 0.0061	< 0.0274	< 0.0281	< 0.0286	< 0.0287
Methyl Ethyl Ketone (MEK)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.0061	0.0068	< 0.274	< 0.281	< 0.286	< 0.287
Methyl Isobutyl Ketone (MIBK)	mg/kg	NS	3100	NS	340	NS	3100	NS	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
Methyl N-butyl Ketone	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.0061	< 0.0061	< 0.274	< 0.281	< 0.286	< 0.287
Methyl tert-Butyl Ether (MTBE)	mg/kg	780	8800	2,000	140	20,000	8,800	0.32	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
Styrene (Monomer)	mg/kg	16,000	1500	41,000	430	410,000	1,500	4	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
Tetrachloroethene	mg/kg	12	11	2,400	28	110	20	0.06	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
Toluene	mg/kg	16,000	650	410,000	42	410,000	650	12	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3100	41,000	3,100	0.7	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
trans-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
Tribromomethane	mg/kg	81	53	16,000	140	720	100	0.8	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
Trichloroethylene	mg/kg	58	5	1,200	12	520	8.9	0.06	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	7.9	1.1	0.01	NS	< 0.0061	< 0.0061	< 0.0549	< 0.0562	< 0.0571	< 0.0574
Xylene, m&p-	mg/kg	16000	420	41000	5.9	410000	420	200	NS	< 0.0122	< 0.0123	< 0.0549	< 0.0562	< 0.0571	< 0.0574
Xylene, o-	mg/kg	16,000	410	41,000	6.5	410,000	410	190	NS	< 0.0061	< 0.0061	< 0.0274	< 0.0281	< 0.0286	< 0.0287
Xylene, total	mg/kg	16,000	320	41000	5.6	410000	320	150	NS	< 0.0183	< 0.0184	< 0.0823	< 0.0843	< 0.0857	< 0.0861
VOC-TICs-8260															
1,1'-Bicyclohexyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1,2-Dimethylcyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	0.0111 NJ	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-1,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-4,6-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-4,7-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2 (1H) -Naphthalenone, Octahyd	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2-Methyl Butane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	0.0106 NJ	0.0759 NJ	NR	NR	NR	NR
2-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	0.0161 NJ	NR	NR	NR	NR	NR
3-Methyl Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Hexane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	0.00642 NJ	0.0103 NJ	NR	NR	NR	NR
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NR	NR	NR	NR	NR	NR
Benzene, 1-(2-Butenyl)-2,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1,2-Diethyl-3,4-dim	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1,4-Diethyl-2Methyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1-ethyl-3-(1-Methyl)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	0.0389 NJ	NR	NR	NR	NR
Hexane	mg/kg	NS	290	NS	16	NS	290	NS	NS	0.0136 NJ	0.0166 NJ	NR	NR	NR	NR
Limonene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Methylcyclohexane	mg/kg	NS	120	NS	46	NS	120	NS	NS	0.0588 NJ	0.0853 NJ	NR	NR	NR	NR
Methyl-Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	0.017 NJ	0.0262 NJ	NR	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, tra	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
n-Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Nonane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Octamethylcyclotetrasiloxane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	HA001	HA002	SB001	SB001	SB002	SB003
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	HA-1(0-2) 20090630	HA-2(0-2) 20090630	SB-1 (0-2) 20090626	SB-1 (2-4) 20090626	SB-2 (0-2) 20090626	SB-3 (0-2) 20090626
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	2 - 4	0 - 2	0 - 2
Sample Date									Values	6/30/2009	6/30/2009	6/26/2009	6/26/2009	6/26/2009	6/26/2009
Chemical Name															
Octane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	0.0181 NJ	0.0592 NJ	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
SVOCs-8270															
1,2,4-Trichlorobenzene	mg/kg	780	3200	2,000	920	20,000	3,200	5	NS	< 0.232	< 0.22	NA	NA	NA	NA
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	< 0.232	< 0.22	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	180,000	560	17	NS	< 0.232	< 0.22	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	NS	11,000	NS	340	NS	17,000	2	NS	< 0.232	< 0.22	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/kg	7,800	NS	200,000	NS	200,000	NS	270	NS	< 0.232	< 0.22	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	520	390	0.2	NS	< 0.232	< 0.22	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	230	NS	610	NS	6,100	NS	1	NS	< 0.232	< 0.22	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	1,600	NS	41,000	NS	41,000	NS	9	NS	< 0.232	< 0.22	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	160	NS	410	NS	4,100	NS	0.2	NS	< 0.925	< 0.88	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0008	NS	< 0.232	< 0.22	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0007	NS	< 0.232	< 0.22	NA	NA	NA	NA
2-Chloronaphthalene	mg/kg	6300	NS	160000	NS	160000	NS	49	NS	< 0.232	< 0.22	NA	NA	NA	NA
2-Chlorophenol	mg/kg	390	53,000	10,000	53000	10,000	53,000	4	NS	< 0.232	< 0.22	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.232	< 0.22	NA	NA	NA	NA
2-Nitroaniline	mg/kg	230	35	610	3.6	6100	56	0.14	NS	< 0.232	< 0.22	NA	NA	NA	NA
2-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.232	< 0.22	NA	NA	NA	NA
3,3-Dichlorobenzidine	mg/kg	1	NS	280	NS	13	NS	0.007	NS	< 0.232	< 0.22	NA	NA	NA	NA
3,5,5-Trimethyl-2-Cyclohexene-1-one	mg/kg	15,600	4,600	410,000	4600	410,000	4,600	8	NS	< 0.232	< 0.22	NA	NA	NA	NA
3-Nitroaniline	mg/kg	23	250	61	26	610	400	0.01	NS	< 0.232	< 0.22	NA	NA	NA	NA
4,6-Dinitro-o-Cresol	mg/kg	7.8	NS	820	NS	200	NS	NS	NS	< 0.232	< 0.22	NA	NA	NA	NA
4-Bromophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.232	< 0.22	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.232	< 0.22	NA	NA	NA	NA
4-Chlorophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.232	< 0.22	NA	NA	NA	NA
4-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.232	< 0.22	NA	NA	NA	NA
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	< 0.232	< 0.22	NA	NA	NA	NA
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	< 0.232	< 0.22	NA	NA	NA	NA
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	< 0.232	< 0.22	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	< 0.232	< 0.22	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	< 0.232	< 0.22	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	< 0.232	< 0.22	NA	NA	NA	NA
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	< 0.232	< 0.22	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	< 0.232	< 0.22	NA	NA	NA	NA
Benzyl Butyl Phthalate	mg/kg	16,000	930	410,000	930	410,000	930	930	NS	< 0.232	< 0.22	NA	NA	NA	NA
Bis (2-ethylhexyl) Phthalate	mg/kg	46	31,000	4,100	31000	410	31,000	3,600	NS	< 0.232	< 0.22	NA	NA	NA	NA
Bis(2-Chloroethoxy)methane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.232	< 0.22	NA	NA	NA	NA
Bis(2-chloroethyl)ether	mg/kg	0.6	0.2	75	0.66	5	0.47	0.0004	NS	< 0.232	< 0.22	NA	NA	NA	NA
Bis(2-chloroisopropyl)ether	mg/kg	3100	1300	8200	1300	82000	1300	2.4	NS	< 0.232	< 0.22	NA	NA	NA	NA
Carbazole	mg/kg	32	NS	6,200	NS	290	NS	0.6	NS	< 0.232	< 0.22	NA	NA	NA	NA
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	< 0.232	< 0.22	NA	NA	NA	NA
Dibenzofuran	mg/kg	NS	NS	820	NS	NS	NS	NS	NS	< 0.232	< 0.22	NA	NA	NA	NA
Diethyl Phthalate	mg/kg	63,000	2,000	1,000,000	2000	1,000,000	2,000	470	NS	< 0.232	< 0.22	NA	NA	NA	NA
Dimethyl Phthalate	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.232	< 0.22	NA	NA	NA	NA
Di-n-butyl Phthalate	mg/kg	7,800	2,300	200,000	2300	200,000	2,300	2300	NS	< 0.232	< 0.22	NA	NA	NA	NA
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	< 0.232	< 0.22	NA	NA	NA	NA
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	< 0.232	< 0.22	NA	NA	NA	NA
Hexachloro-1,3-Butadiene	mg/kg	78	150	200	72	2000	150	2.2	NS	< 0.232	< 0.22	NA	NA	NA	NA
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	4	1.8	2	NS	< 0.232	< 0.22	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.1	14,000	16	400	NS	< 0.232	< 0.22	NA	NA	NA	NA
Hexachloroethane	mg/kg	78	NS	2,000	NS	2,000	NS	0.5	NS	< 0.232	< 0.22	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	0.264	< 0.22	NA	NA	NA	NA
M-Dichlorobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.232	< 0.22	NA	NA	NA	NA
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	< 0.232	< 0.22	NA	NA	NA	NA
Nitrobenzene	mg/kg	39	92	18	NS	0.8	NS	0.1	NS	< 0.232	< 0.22	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	mg/kg	0.09	NS	1,000	9.4	1,000	140	0.00005	NS	< 0.232	< 0.22	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	130	NS	4,100	1.8	41,000	270	1	NS	< 0.232	< 0.22	NA	NA	NA	NA
o-cresol	mg/kg	3,900	NS	100,000	NS	100,000	NS	15	NS	< 0.232	< 0.22	NA	NA	NA	NA
Octyl Phthalate, di-n-	mg/kg	1,600	10,000	4,100	10000	41,000	10,000	10000	NS	< 0.232	< 0.22	NA	NA	NA	NA
P-Chloroaniline	mg/kg	310	NS	820	NS	8,200	NS	0.7	NS	< 0.462	< 0.439	NA	NA	NA	NA
Pentachlorophenol	mg/kg	3	NS	520	NS	24	NS	0.03	NS	< 1.16	< 1.1	NA	NA	NA	NA
Percent Moisture	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.232	< 0.22	NA	NA	NA	NA

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	HA001	HA002	SB001	SB001	SB002	SB003
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	HA-1(0-2) 20090630	HA-2(0-2) 20090630	SB-1 (0-2) 20090626	SB-1 (2-4) 20090626	SB-2 (0-2) 20090626	SB-3 (0-2) 20090626
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	2 - 4	0 - 2	0 - 2
Sample Date									Values	6/30/2009	6/30/2009	6/26/2009	6/26/2009	6/26/2009	6/26/2009
Chemical Name															
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	< 0.232	< 0.22	NA	NA	NA	NA
Phenol	mg/kg	23,000	NS	61,000	NS	610,000	NS	100	NS	< 0.232	< 0.22	NA	NA	NA	NA
P-Nitroaniline	mg/kg	230	1000	610	110	6100	1600	0.1	NS	< 0.232	< 0.22	NA	NA	NA	NA
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	< 0.232	< 0.22	NA	NA	NA	NA
SVOCs-8270 SIM															
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	0.0819	0.0325	NA	NA	NA	NA
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	< 0.0231	< 0.022	NA	NA	NA	NA
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	< 0.0231	< 0.022	NA	NA	NA	NA
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	0.027	0.0314	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	0.0505	0.0255	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	0.0638	< 0.022	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	0.0824	0.0279	NA	NA	NA	NA
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	0.0493	< 0.022	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	0.0723	< 0.022	NA	NA	NA	NA
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	< 0.0231	< 0.022	NA	NA	NA	NA
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	0.136	0.0864	NA	NA	NA	NA
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	< 0.0231	< 0.022	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	0.0434	< 0.022	NA	NA	NA	NA
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	< 0.0231	0.0599	NA	NA	NA	NA
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	0.0642	0.0947	NA	NA	NA	NA
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	0.112	0.0603	NA	NA	NA	NA
Miscellaneous															
Percent Moisture	%	NS	NS	NS	NS	NS	NS	NS	NS	27.9	24.2	8.9	11.1	12.5	12.9

Notes:

Results are reported in milligrams per kilogram (mg/kg).

%	Percent.
ft-bgs	Feet Below Ground Surface.
J	Estimated Value.
NA	Not Analyzed.
NJ	TIC Estimated Value.
NR	Not Reported.
NS	No Standard.
SB	Soil Boring.
SIM	Selected Ion Monitoring.
SP	Soil Pile.
SVOCs	Semi Volatile Organic Compounds.
TACO	Tiered Approach to Corrective Action Objectives.
TICs	Tentatively Identified Compounds.
VOCs	Volatile Organic Compounds.

Values above the TACO Residential Standards are boldfaced.

Values above the TACO Construction Standards are shaded gray.

Values above the TACO Industrial/Commercial Standards are outlined.

Values above the TACO Soil Component of Groundwater Standard is red.

Values above the TACO Metropolitan Area Background Values are outlined.

Preliminary Level II Results - Pending Validation										SB004	SB005	SB005	SB006	SB007	SB008
Location ID	Unit	Residential Ingestion	Residential Inhalation	Construction Worker Ingestion	Construction Worker Inhalation	Industrial Commercial Ingestion	Industrial Commercial Inhalation	Soil Component of Groundwater Class I	Metropolitan Area Background Values	SB-4 (0-2) 20090626	SB-5 (0-2) 20090626	SB-5 (6-8) 20090626	SB-6 (0-1.5) 20090626	SB-7 (0-2) 20090626	SB-8 (0-2) 20090626
Sample Name										0 - 2	0 - 2	6 - 8	0 - 1.5	0 - 2	0 - 2
Depth Interval (ft-bgs)										6/26/2009	6/26/2009	6/26/2009	6/26/2009	6/26/2009	6/26/2009
Sample Date															
Chemical Name															
VOCs-8260															
1,1,1-Trichloroethane	mg/kg	NS	1,200	NS	1200	NS	1,200	2	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
1,1,2,2-Tetrachloroethane	mg/kg	310	2000	2000	2000	8200	2000	0.22	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1800	8,200	1,800	0.02	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
1,1-Dichloroethane	mg/kg	7,800	1300	200,000	130	200,000	1,700	23	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
1,1-Dichloroethylene	mg/kg	3,900	290	10,000	3	100,000	470	0.06	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
1,2-Dichloroethane	mg/kg	7	0.4	1,400	0.99	63	0.7	0.02	NS	< 0.0281	< 0.0282	< 0.031	< 0.0282	< 0.0291	< 0.0283
1,2-Dichloropropane	mg/kg	9	15	1,800	0.5	84	23	0.03	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
Acetone	mg/kg	70,000	100,000	NS	100000	NS	100,000	25	NS	< 0.281	< 0.282	< 0.31	< 0.282	< 0.291	< 0.283
Benzene	mg/kg	12	0.8	2,300	2.2	100	1.6	0.03	NS	< 0.0281	< 0.0282	< 0.031	< 0.0282	< 0.0291	< 0.0283
Bromodichloromethane	mg/kg	10	3,000	2,000	3000	92	3,000	0.6	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
Bromomethane	mg/kg	110	10	1,000	3.9	2,900	15	0.2	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
Carbon Disulfide	mg/kg	7,800	720	20,000	9	200,000	720	32	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	44	0.64	0.07	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	41,000	210	1	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
Chlorodibromomethane	mg/kg	1,600	1,300	41,000	1300	41,000	1,300	0.4	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
Chloroethane	mg/kg	NS	1500	NS	97	NS	1500	NS	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
Chloroform	mg/kg	100	0.3	2,000	0.76	940	0.54	0.6	NS	< 0.281	< 0.282	< 0.31	< 0.282	< 0.291	< 0.283
Chloromethane	mg/kg	NS	110	NS	11	NS	180	NS	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1200	20,000	1,200	0.4	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
cis-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
Dichloromethane	mg/kg	85	13	12,000	34	760	24	0.02	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
Ethanol	mg/kg	NS	NS	1000000	100000	1000000	100000	2300	NS	< 5.63	< 5.64	< 6.2	< 5.64	< 5.82	< 5.67
Ethylbenzene	mg/kg	7,800	400	20,000	58	200,000	400	13	NS	< 0.0281	< 0.0282	< 0.031	< 0.0282	< 0.0291	< 0.0283
Methyl Ethyl Ketone (MEK)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.281	< 0.282	< 0.31	< 0.282	< 0.291	< 0.283
Methyl Isobutyl Ketone (MIBK)	mg/kg	NS	3100	NS	340	NS	3100	NS	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
Methyl N-butyl Ketone	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.281	< 0.282	< 0.31	< 0.282	< 0.291	< 0.283
Methyl tert-Butyl Ether (MTBE)	mg/kg	780	8800	2,000	140	20,000	8,800	0.32	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
Styrene (Monomer)	mg/kg	16,000	1500	41,000	430	410,000	1,500	4	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
Tetrachloroethene	mg/kg	12	11	2,400	28	110	20	0.06	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
Toluene	mg/kg	16,000	650	410,000	42	410,000	650	12	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3100	41,000	3,100	0.7	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
trans-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
Tribromomethane	mg/kg	81	53	16,000	140	720	100	0.8	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
Trichloroethylene	mg/kg	58	5	1,200	12	520	8.9	0.06	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	7.9	1.1	0.01	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
Xylene, m&p-	mg/kg	16000	420	41000	5.9	410000	420	200	NS	< 0.0563	< 0.0564	< 0.062	< 0.0564	< 0.0582	< 0.0567
Xylene, o-	mg/kg	16,000	410	41,000	6.5	410,000	410	190	NS	< 0.0281	< 0.0282	< 0.031	< 0.0282	< 0.0291	< 0.0283
Xylene, total	mg/kg	16,000	320	41000	5.6	410000	320	150	NS	< 0.0844	< 0.0846	< 0.093	< 0.0846	< 0.0872	< 0.085
VOC-TICs-8260															
1,1'-Bicyclohexyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1,2-Dimethylcyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-1,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-4,6-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-4,7-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2 (1H) -Naphthalenone, Octahyd	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2-Methyl Butane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Hexane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NR	NR	NR	NR	NR	NR
Benzene, 1-(2-Butenyl)-2,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1,2-Diethyl-3,4-dim	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1,4-Diethyl-2Methyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1-ethyl-3-(1-Methyl)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Hexane	mg/kg	NS	290	NS	16	NS	290	NS	NS	NR	NR	NR	NR	NR	NR
Limonene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Methylcyclohexane	mg/kg	NS	120	NS	46	NS	120	NS	NS	NR	NR	NR	NR	NR	NR
Methyl-Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, tra	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
n-Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Nonane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Octamethylcyclotetrasiloxane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB004	SB005	SB005	SB006	SB007	SB008
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-4 (0-2) 20090626	SB-5 (0-2) 20090626	SB-5 (6-8) 20090626	SB-6 (0-1.5) 20090626	SB-7 (0-2) 20090626	SB-8 (0-2) 20090626
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	6 - 8	0 - 1.5	0 - 2	0 - 2
Sample Date									Values	6/26/2009	6/26/2009	6/26/2009	6/26/2009	6/26/2009	6/26/2009
Chemical Name															
Octane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
SVOCs-8270															
1,2,4-Trichlorobenzene	mg/kg	780	3200	2,000	920	20,000	3,200	5	NS	NA	NA	NA	NA	NA	NA
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	180,000	560	17	NS	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	NS	11,000	NS	340	NS	17,000	2	NS	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/kg	7,800	NS	200,000	NS	200,000	NS	270	NS	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	520	390	0.2	NS	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	230	NS	610	NS	6,100	NS	1	NS	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	1,600	NS	41,000	NS	41,000	NS	9	NS	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	160	NS	410	NS	4,100	NS	0.2	NS	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0008	NS	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0007	NS	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/kg	6300	NS	160000	NS	160000	NS	49	NS	NA	NA	NA	NA	NA	NA
2-Chlorophenol	mg/kg	390	53,000	10,000	53000	10,000	53,000	4	NS	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/kg	230	35	610	3.6	6100	56	0.14	NS	NA	NA	NA	NA	NA	NA
2-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	mg/kg	1	NS	280	NS	13	NS	0.007	NS	NA	NA	NA	NA	NA	NA
3,5,5-Trimethyl-2-Cyclohexene-1-one	mg/kg	15,600	4,600	410,000	4600	410,000	4,600	8	NS	NA	NA	NA	NA	NA	NA
3-Nitroaniline	mg/kg	23	250	61	26	610	400	0.01	NS	NA	NA	NA	NA	NA	NA
4,6-Dinitro-o-Cresol	mg/kg	7.8	NS	820	NS	200	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Bromophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Chlorophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NA	NA	NA	NA	NA	NA
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	NA	NA	NA	NA	NA	NA
Benzyl Butyl Phthalate	mg/kg	16,000	930	410,000	930	410,000	930	930	NS	NA	NA	NA	NA	NA	NA
Bis (2-ethylhexyl) Phthalate	mg/kg	46	31,000	4,100	31000	410	31,000	3,600	NS	NA	NA	NA	NA	NA	NA
Bis(2-Chloroethoxy)methane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl)ether	mg/kg	0.6	0.2	75	0.66	5	0.47	0.0004	NS	NA	NA	NA	NA	NA	NA
Bis(2-chloroisopropyl)ether	mg/kg	3100	1300	8200	1300	82000	1300	2.4	NS	NA	NA	NA	NA	NA	NA
Carbazole	mg/kg	32	NS	6,200	NS	290	NS	0.6	NS	NA	NA	NA	NA	NA	NA
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	NA	NA	NA	NA	NA	NA
Dibenzofuran	mg/kg	NS	NS	820	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Diethyl Phthalate	mg/kg	63,000	2,000	1,000,000	2000	1,000,000	2,000	470	NS	NA	NA	NA	NA	NA	NA
Dimethyl Phthalate	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Di-n-butyl Phthalate	mg/kg	7,800	2,300	200,000	2300	200,000	2,300	2300	NS	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	NA	NA	NA	NA	NA	NA
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-Butadiene	mg/kg	78	150	200	72	2000	150	2.2	NS	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	4	1.8	2	NS	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.1	14,000	16	400	NS	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	78	NS	2,000	NS	2,000	NS	0.5	NS	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	NA	NA	NA	NA	NA	NA
M-Dichlorobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	NA	NA	NA	NA	NA	NA
Nitrobenzene	mg/kg	39	92	18	NS	0.8	NS	0.1	NS	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	mg/kg	0.09	NS	1,000	9.4	1,000	140	0.00005	NS	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	130	NS	4,100	1.8	41,000	270	1	NS	NA	NA	NA	NA	NA	NA
o-cresol	mg/kg	3,900	NS	100,000	NS	100,000	NS	15	NS	NA	NA	NA	NA	NA	NA
Octyl Phthalate, di-n-	mg/kg	1,600	10,000	4,100	10000	41,000	10,000	10000	NS	NA	NA	NA	NA	NA	NA
P-Chloroaniline	mg/kg	310	NS	820	NS	8,200	NS	0.7	NS	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/kg	3	NS	520	NS	24	NS	0.03	NS	NA	NA	NA	NA	NA	NA
Percent Moisture	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA

Preliminary Level II Results - Pending Validation										SB004	SB005	SB005	SB006	SB007	SB008
Location ID	Unit	Residential Ingestion	Residential Inhalation	Construction Worker Ingestion	Construction Worker Inhalation	Industrial Commercial Ingestion	Industrial Commercial Inhalation	Soil Component of Groundwater Class I	Metropolitan Area Background Values	SB-4 (0-2) 20090626	SB-5 (0-2) 20090626	SB-5 (6-8) 20090626	SB-6 (0-1.5) 20090626	SB-7 (0-2) 20090626	SB-8 (0-2) 20090626
Sample Name										0 - 2	0 - 2	6 - 8	0 - 1.5	0 - 2	0 - 2
Depth Interval (ft-bgs)										6/26/2009	6/26/2009	6/26/2009	6/26/2009	6/26/2009	6/26/2009
Sample Date															
Chemical Name															
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	NA	NA	NA	NA	NA	NA
Phenol	mg/kg	23,000	NS	61,000	NS	610,000	NS	100	NS	NA	NA	NA	NA	NA	NA
P-Nitroaniline	mg/kg	230	1000	610	110	6100	1600	0.1	NS	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	NA	NA	NA	NA	NA	NA
SVOCs-8270 SIM															
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NA	NA	NA	NA	NA	NA
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	NA	NA	NA	NA	NA	NA
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	NA	NA	NA	NA	NA	NA
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	NA	NA	NA	NA	NA	NA
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	NA	NA	NA	NA	NA	NA
Miscellaneous															
Percent Moisture	%	NS	NS	NS	NS	NS	NS	NS	NS	11.2	11.3	19.3	11.3	14	11.8

Notes:

Results are reported in milligrams per kilogram (mg/kg).

- %

Percent.
- ft-bgs

Feet Below Ground Surface.
- J

Estimated Value.
- NA

Not Analyzed.
- NJ

TIC Estimated Value.
- NR

Not Reported.
- NS

No Standard.
- SB

Soil Boring.
- SIM

Selected Ion Monitoring.
- SP

Soil Pile.
- SVOCs

Semi Volatile Organic Compounds.
- TACO

Tiered Approach to Corrective Action Objectives.
- TICs

Tentatively Identified Compounds.
- VOCs

Volatile Organic Compounds.

Values above the TACO Residential Standards are boldfaced.

Values above the TACO Construction Standards are shaded gray.

Values above the TACO Industrial/Commercial Standards are outlined.

Values above the TACO Soil Component of Groundwater Standard is red.

Values above the TACO Metropolitan Area Background Values are outlined.

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB009	SB010	SB011	SB012	SB013	SB014
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-9 (0-2) 20090626	SB-10 (0-2) 20090627	SB-11 (0-2) 20090627	SB-12 (0-2) 20090627	SB-13 (0-2) 20090627	SB-14 (0-2) 20090627
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Sample Date									Values	6/26/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009
Chemical Name															
VOCs-8260															
1,1,1-Trichloroethane	mg/kg	NS	1,200	NS	1200	NS	1,200	2	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
1,1,2,2-Tetrachloroethane	mg/kg	310	2000	2000	2000	8200	2000	0.22	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1800	8,200	1,800	0.02	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
1,1-Dichloroethane	mg/kg	7,800	1300	200,000	130	200,000	1,700	23	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
1,1-Dichloroethylene	mg/kg	3,900	290	10,000	3	100,000	470	0.06	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
1,2-Dichloroethane	mg/kg	7	0.4	1,400	0.99	63	0.7	0.02	NS	< 0.0285	< 0.0289	< 0.0286	< 0.0275	< 0.0273	< 0.0284
1,2-Dichloropropane	mg/kg	9	15	1,800	0.5	84	23	0.03	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
Acetone	mg/kg	70,000	100,000	NS	100000	NS	100,000	25	NS	< 0.285	< 0.289	< 0.286	< 0.275	< 0.273	< 0.284
Benzene	mg/kg	12	0.8	2,300	2.2	100	1.6	0.03	NS	< 0.0285	< 0.0289	< 0.0286	< 0.0275	< 0.0273	< 0.0284
Bromodichloromethane	mg/kg	10	3,000	2,000	3000	92	3,000	0.6	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
Bromomethane	mg/kg	110	10	1,000	3.9	2,900	15	0.2	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
Carbon Disulfide	mg/kg	7,800	720	20,000	9	200,000	720	32	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	44	0.64	0.07	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	41,000	210	1	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
Chlorodibromomethane	mg/kg	1,600	1,300	41,000	1300	41,000	1,300	0.4	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
Chloroethane	mg/kg	NS	1500	NS	97	NS	1500	NS	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
Chloroform	mg/kg	100	0.3	2,000	0.76	940	0.54	0.6	NS	< 0.285	< 0.289	< 0.286	< 0.275	< 0.273	< 0.284
Chloromethane	mg/kg	NS	110	NS	11	NS	180	NS	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1200	20,000	1,200	0.4	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
cis-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
Dichloromethane	mg/kg	85	13	12,000	34	760	24	0.02	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
Ethanol	mg/kg	NS	NS	1000000	100000	1000000	100000	2300	NS	< 5.69	< 5.71	< 5.69	< 5.5	< 5.46	< 5.68
Ethylbenzene	mg/kg	7,800	400	20,000	58	200,000	400	13	NS	< 0.0285	< 0.0289	< 0.0286	< 0.0275	< 0.0273	< 0.0284
Methyl Ethyl Ketone (MEK)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.285	< 0.289	< 0.286	< 0.275	< 0.273	< 0.284
Methyl Isobutyl Ketone (MIBK)	mg/kg	NS	3100	NS	340	NS	3100	NS	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
Methyl N-butyl Ketone	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.285	< 0.289	< 0.286	< 0.275	< 0.273	< 0.284
Methyl tert-Butyl Ether (MTBE)	mg/kg	780	8800	2,000	140	20,000	8,800	0.32	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
Styrene (Monomer)	mg/kg	16,000	1500	41,000	430	410,000	1,500	4	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
Tetrachloroethene	mg/kg	12	11	2,400	28	110	20	0.06	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
Toluene	mg/kg	16,000	650	410,000	42	410,000	650	12	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3100	41,000	3,100	0.7	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
trans-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
Tribromomethane	mg/kg	81	53	16,000	140	720	100	0.8	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
Trichloroethylene	mg/kg	58	5	1,200	12	520	8.9	0.06	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	7.9	1.1	0.01	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
Xylene, m&p-	mg/kg	16000	420	41000	5.9	410000	420	200	NS	< 0.0569	< 0.0579	< 0.0571	< 0.055	< 0.0546	< 0.0568
Xylene, o-	mg/kg	16,000	410	41,000	6.5	410,000	410	190	NS	< 0.0285	< 0.0289	< 0.0286	< 0.0275	< 0.0273	< 0.0284
Xylene, total	mg/kg	16,000	320	41000	5.6	410000	320	150	NS	< 0.0854	< 0.0868	< 0.0857	< 0.0825	< 0.0819	< 0.0852
VOC-TICs-8260															
1,1'-Bicyclohexyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1,2-Dimethylcyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-1,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-4,6-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-4,7-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2 (1H) -Naphthalenone, Octahyd	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2-Methyl Butane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Hexane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NR	NR	NR	NR	NR	NR
Benzene, 1-(2-Butenyl)-2,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1,2-Diethyl-3,4-dim	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1,4-Diethyl-2Methyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1-ethyl-3-(1-Methyl)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Hexane	mg/kg	NS	290	NS	16	NS	290	NS	NS	NR	NR	NR	NR	NR	NR
Limonene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Methylcyclohexane	mg/kg	NS	120	NS	46	NS	120	NS	NS	NR	NR	NR	NR	NR	NR
Methyl-Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, tra	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
n-Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Nonane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Octamethylcyclotetrasiloxane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB009	SB010	SB011	SB012	SB013	SB014
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-9 (0-2) 20090626	SB-10 (0-2) 20090627	SB-11 (0-2) 20090627	SB-12 (0-2) 20090627	SB-13 (0-2) 20090627	SB-14 (0-2) 20090627
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Sample Date									Values	6/26/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009
Chemical Name															
Octane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
SVOCs-8270															
1,2,4-Trichlorobenzene	mg/kg	780	3200	2,000	920	20,000	3,200	5	NS	NA	NA	NA	NA	NA	NA
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	180,000	560	17	NS	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	NS	11,000	NS	340	NS	17,000	2	NS	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/kg	7,800	NS	200,000	NS	200,000	NS	270	NS	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	520	390	0.2	NS	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	230	NS	610	NS	6,100	NS	1	NS	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	1,600	NS	41,000	NS	41,000	NS	9	NS	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	160	NS	410	NS	4,100	NS	0.2	NS	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0008	NS	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0007	NS	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/kg	6300	NS	160000	NS	160000	NS	49	NS	NA	NA	NA	NA	NA	NA
2-Chlorophenol	mg/kg	390	53,000	10,000	53000	10,000	53,000	4	NS	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/kg	230	35	610	3.6	6100	56	0.14	NS	NA	NA	NA	NA	NA	NA
2-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	mg/kg	1	NS	280	NS	13	NS	0.007	NS	NA	NA	NA	NA	NA	NA
3,5,5-Trimethyl-2-Cyclohexene-1-one	mg/kg	15,600	4,600	410,000	4600	410,000	4,600	8	NS	NA	NA	NA	NA	NA	NA
3-Nitroaniline	mg/kg	23	250	61	26	610	400	0.01	NS	NA	NA	NA	NA	NA	NA
4,6-Dinitro-o-Cresol	mg/kg	7.8	NS	820	NS	200	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Bromophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Chlorophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NA	NA	NA	NA	NA	NA
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	NA	NA	NA	NA	NA	NA
Benzyl Butyl Phthalate	mg/kg	16,000	930	410,000	930	410,000	930	930	NS	NA	NA	NA	NA	NA	NA
Bis (2-ethylhexyl) Phthalate	mg/kg	46	31,000	4,100	31000	410	31,000	3,600	NS	NA	NA	NA	NA	NA	NA
Bis(2-Chloroethoxy)methane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl)ether	mg/kg	0.6	0.2	75	0.66	5	0.47	0.0004	NS	NA	NA	NA	NA	NA	NA
Bis(2-chloroisopropyl)ether	mg/kg	3100	1300	8200	1300	82000	1300	2.4	NS	NA	NA	NA	NA	NA	NA
Carbazole	mg/kg	32	NS	6,200	NS	290	NS	0.6	NS	NA	NA	NA	NA	NA	NA
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	NA	NA	NA	NA	NA	NA
Dibenzofuran	mg/kg	NS	NS	820	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Diethyl Phthalate	mg/kg	63,000	2,000	1,000,000	2000	1,000,000	2,000	470	NS	NA	NA	NA	NA	NA	NA
Dimethyl Phthalate	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Di-n-butyl Phthalate	mg/kg	7,800	2,300	200,000	2300	200,000	2,300	2300	NS	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	NA	NA	NA	NA	NA	NA
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-Butadiene	mg/kg	78	150	200	72	2000	150	2.2	NS	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	4	1.8	2	NS	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.1	14,000	16	400	NS	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	78	NS	2,000	NS	2,000	NS	0.5	NS	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	NA	NA	NA	NA	NA	NA
M-Dichlorobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	NA	NA	NA	NA	NA	NA
Nitrobenzene	mg/kg	39	92	18	NS	0.8	NS	0.1	NS	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	mg/kg	0.09	NS	1,000	9.4	1,000	140	0.00005	NS	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	130	NS	4,100	1.8	41,000	270	1	NS	NA	NA	NA	NA	NA	NA
o-cresol	mg/kg	3,900	NS	100,000	NS	100,000	NS	15	NS	NA	NA	NA	NA	NA	NA
Octyl Phthalate, di-n-	mg/kg	1,600	10,000	4,100	10000	41,000	10,000	10000	NS	NA	NA	NA	NA	NA	NA
P-Chloroaniline	mg/kg	310	NS	820	NS	8,200	NS	0.7	NS	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/kg	3	NS	520	NS	24	NS	0.03	NS	NA	NA	NA	NA	NA	NA
Percent Moisture	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB009	SB010	SB011	SB012	SB013	SB014
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-9 (0-2) 20090626	SB-10 (0-2) 20090627	SB-11 (0-2) 20090627	SB-12 (0-2) 20090627	SB-13 (0-2) 20090627	SB-14 (0-2) 20090627
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Sample Date									Values	6/26/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009
Chemical Name															
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	NA	NA	NA	NA	NA	NA
Phenol	mg/kg	23,000	NS	61,000	NS	610,000	NS	100	NS	NA	NA	NA	NA	NA	NA
P-Nitroaniline	mg/kg	230	1000	610	110	6100	1600	0.1	NS	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	NA	NA	NA	NA	NA	NA
SVOCs-8270 SIM															
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NA	NA	NA	NA	NA	NA
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	NA	NA	NA	NA	NA	NA
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	NA	NA	NA	NA	NA	NA
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	NA	NA	NA	NA	NA	NA
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	NA	NA	NA	NA	NA	NA
Miscellaneous															
Percent Moisture	%	NS	NS	NS	NS	NS	NS	NS	NS	12.2	13.6	12.5	9.1	8.4	12

Notes:

Results are reported in milligrams per kilogram (mg/kg).

%	Percent.
ft-bgs	Feet Below Ground Surface.
J	Estimated Value.
NA	Not Analyzed.
NJ	TIC Estimated Value.
NR	Not Reported.
NS	No Standard.
SB	Soil Boring.
SIM	Selected Ion Monitoring.
SP	Soil Pile.
SVOCs	Semi Volatile Organic Compounds.
TACO	Tiered Approach to Corrective Action Objectives.
TICs	Tentatively Identified Compounds.
VOCs	Volatile Organic Compounds.

Values above the TACO Residential Standards are boldfaced.

Values above the TACO Construction Standards are shaded gray.

Values above the TACO Industrial/Commercial Standards are outlined.

Values above the TACO Soil Component of Groundwater Standard is red.

Values above the TACO Metropolitan Area Background Values are outlined.

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB015	SB016	SB017	SB018	SB019	SB020
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-15 (0-2) 20090627	SB-16 (0-2) 20090627	SB-17 (0-2) 20090627	SB-18 (0-2) 20090627	SB-19 (0-2) 20090627	SB-20 (0-2) 20090627
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Sample Date									Values	6/27/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009
Chemical Name															
VOCs-8260															
1,1,1-Trichloroethane	mg/kg	NS	1,200	NS	1200	NS	1,200	2	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
1,1,2,2-Tetrachloroethane	mg/kg	310	2000	2000	2000	8200	2000	0.22	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1800	8,200	1,800	0.02	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
1,1-Dichloroethane	mg/kg	7,800	1300	200,000	130	200,000	1,700	23	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
1,1-Dichloroethylene	mg/kg	3,900	290	10,000	3	100,000	470	0.06	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
1,2-Dichloroethane	mg/kg	7	0.4	1,400	0.99	63	0.7	0.02	NS	< 0.027	< 0.029	< 0.0271	< 0.0285	< 0.0278	< 0.0269
1,2-Dichloropropane	mg/kg	9	15	1,800	0.5	84	23	0.03	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
Acetone	mg/kg	70,000	100,000	NS	100000	NS	100,000	25	NS	< 0.27	< 0.29	< 0.271	< 0.285	< 0.278	< 0.269
Benzene	mg/kg	12	0.8	2,300	2.2	100	1.6	0.03	NS	< 0.027	< 0.029	< 0.0271	< 0.0285	< 0.0278	< 0.0269
Bromodichloromethane	mg/kg	10	3,000	2,000	3000	92	3,000	0.6	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
Bromomethane	mg/kg	110	10	1,000	3.9	2,900	15	0.2	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
Carbon Disulfide	mg/kg	7,800	720	20,000	9	200,000	720	32	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	44	0.64	0.07	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	41,000	210	1	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
Chlorodibromomethane	mg/kg	1,600	1,300	41,000	1300	41,000	1,300	0.4	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
Chloroethane	mg/kg	NS	1500	NS	97	NS	1500	NS	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
Chloroform	mg/kg	100	0.3	2,000	0.76	940	0.54	0.6	NS	< 0.27	< 0.29	< 0.271	< 0.285	< 0.278	< 0.269
Chloromethane	mg/kg	NS	110	NS	11	NS	180	NS	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1200	20,000	1,200	0.4	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
cis-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
Dichloromethane	mg/kg	85	13	12,000	34	760	24	0.02	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
Ethanol	mg/kg	NS	NS	1000000	100000	1000000	100000	2300	NS	8.82	< 5.8	< 5.42	< 5.69	< 5.78	< 5.39
Ethylbenzene	mg/kg	7,800	400	20,000	58	200,000	400	13	NS	< 0.027	< 0.029	< 0.0271	< 0.0285	< 0.0278	< 0.0269
Methyl Ethyl Ketone (MEK)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.27	< 0.29	< 0.271	< 0.285	< 0.278	< 0.269
Methyl Isobutyl Ketone (MIBK)	mg/kg	NS	3100	NS	340	NS	3100	NS	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
Methyl N-butyl Ketone	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.27	< 0.29	< 0.271	< 0.285	< 0.278	< 0.269
Methyl tert-Butyl Ether (MTBE)	mg/kg	780	8800	2,000	140	20,000	8,800	0.32	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
Styrene (Monomer)	mg/kg	16,000	1500	41,000	430	410,000	1,500	4	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
Tetrachloroethene	mg/kg	12	11	2,400	28	110	20	0.06	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
Toluene	mg/kg	16,000	650	410,000	42	410,000	650	12	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3100	41,000	3,100	0.7	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
trans-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
Tribromomethane	mg/kg	81	53	16,000	140	720	100	0.8	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
Trichloroethylene	mg/kg	58	5	1,200	12	520	8.9	0.06	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	7.9	1.1	0.01	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
Xylene, m&p-	mg/kg	16000	420	41000	5.9	410000	420	200	NS	< 0.054	< 0.058	< 0.0542	< 0.0569	< 0.0557	< 0.0539
Xylene, o-	mg/kg	16,000	410	41,000	6.5	410,000	410	190	NS	< 0.027	< 0.029	< 0.0271	< 0.0285	< 0.0278	< 0.0269
Xylene, total	mg/kg	16,000	320	41000	5.6	410000	320	150	NS	< 0.0809	< 0.087	< 0.0813	< 0.0854	< 0.0835	< 0.0808
VOC-TICs-8260															
1,1'-Bicyclohexyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1,2-Dimethylcyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-1,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-4,6-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-4,7-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2 (1H) -Naphthalenone, Octahyd	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2-Methyl Butane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Hexane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NR	NR	NR	NR	NR	NR
Benzene, 1-(2-Butenyl)-2,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1,2-Diethyl-3,4-dim	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1,4-Diethyl-2Methyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1-ethyl-3-(1-Methyl)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Hexane	mg/kg	NS	290	NS	16	NS	290	NS	NS	NR	NR	NR	NR	NR	NR
Limonene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Methylcyclohexane	mg/kg	NS	120	NS	46	NS	120	NS	NS	NR	NR	NR	NR	NR	NR
Methyl-Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, tra	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
n-Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Nonane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Octamethylcyclotetrasiloxane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB015	SB016	SB017	SB018	SB019	SB020
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-15 (0-2) 20090627	SB-16 (0-2) 20090627	SB-17 (0-2) 20090627	SB-18 (0-2) 20090627	SB-19 (0-2) 20090627	SB-20 (0-2) 20090627
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Sample Date									Values	6/27/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009
Chemical Name															
Octane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
SVOCs-8270															
1,2,4-Trichlorobenzene	mg/kg	780	3200	2,000	920	20,000	3,200	5	NS	NA	NA	NA	NA	NA	NA
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	180,000	560	17	NS	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	NS	11,000	NS	340	NS	17,000	2	NS	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/kg	7,800	NS	200,000	NS	200,000	NS	270	NS	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	520	390	0.2	NS	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	230	NS	610	NS	6,100	NS	1	NS	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	1,600	NS	41,000	NS	41,000	NS	9	NS	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	160	NS	410	NS	4,100	NS	0.2	NS	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0008	NS	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0007	NS	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/kg	6300	NS	160000	NS	160000	NS	49	NS	NA	NA	NA	NA	NA	NA
2-Chlorophenol	mg/kg	390	53,000	10,000	53000	10,000	53,000	4	NS	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/kg	230	35	610	3.6	6100	56	0.14	NS	NA	NA	NA	NA	NA	NA
2-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	mg/kg	1	NS	280	NS	13	NS	0.007	NS	NA	NA	NA	NA	NA	NA
3,5,5-Trimethyl-2-Cyclohexene-1-one	mg/kg	15,600	4,600	410,000	4600	410,000	4,600	8	NS	NA	NA	NA	NA	NA	NA
3-Nitroaniline	mg/kg	23	250	61	26	610	400	0.01	NS	NA	NA	NA	NA	NA	NA
4,6-Dinitro-o-Cresol	mg/kg	7.8	NS	820	NS	200	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Bromophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Chlorophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NA	NA	NA	NA	NA	NA
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	NA	NA	NA	NA	NA	NA
Benzyl Butyl Phthalate	mg/kg	16,000	930	410,000	930	410,000	930	930	NS	NA	NA	NA	NA	NA	NA
Bis (2-ethylhexyl) Phthalate	mg/kg	46	31,000	4,100	31000	410	31,000	3,600	NS	NA	NA	NA	NA	NA	NA
Bis(2-Chloroethoxy)methane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl)ether	mg/kg	0.6	0.2	75	0.66	5	0.47	0.0004	NS	NA	NA	NA	NA	NA	NA
Bis(2-chloroisopropyl)ether	mg/kg	3100	1300	8200	1300	82000	1300	2.4	NS	NA	NA	NA	NA	NA	NA
Carbazole	mg/kg	32	NS	6,200	NS	290	NS	0.6	NS	NA	NA	NA	NA	NA	NA
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	NA	NA	NA	NA	NA	NA
Dibenzofuran	mg/kg	NS	NS	820	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Diethyl Phthalate	mg/kg	63,000	2,000	1,000,000	2000	1,000,000	2,000	470	NS	NA	NA	NA	NA	NA	NA
Dimethyl Phthalate	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Di-n-butyl Phthalate	mg/kg	7,800	2,300	200,000	2300	200,000	2,300	2300	NS	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	NA	NA	NA	NA	NA	NA
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-Butadiene	mg/kg	78	150	200	72	2000	150	2.2	NS	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	4	1.8	2	NS	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.1	14,000	16	400	NS	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	78	NS	2,000	NS	2,000	NS	0.5	NS	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	NA	NA	NA	NA	NA	NA
M-Dichlorobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	NA	NA	NA	NA	NA	NA
Nitrobenzene	mg/kg	39	92	18	NS	0.8	NS	0.1	NS	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	mg/kg	0.09	NS	1,000	9.4	1,000	140	0.00005	NS	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	130	NS	4,100	1.8	41,000	270	1	NS	NA	NA	NA	NA	NA	NA
o-cresol	mg/kg	3,900	NS	100,000	NS	100,000	NS	15	NS	NA	NA	NA	NA	NA	NA
Octyl Phthalate, di-n-	mg/kg	1,600	10,000	4,100	10000	41,000	10,000	10000	NS	NA	NA	NA	NA	NA	NA
P-Chloroaniline	mg/kg	310	NS	820	NS	8,200	NS	0.7	NS	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/kg	3	NS	520	NS	24	NS	0.03	NS	NA	NA	NA	NA	NA	NA
Percent Moisture	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB015	SB016	SB017	SB018	SB019	SB020
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-15 (0-2) 20090627	SB-16 (0-2) 20090627	SB-17 (0-2) 20090627	SB-18 (0-2) 20090627	SB-19 (0-2) 20090627	SB-20 (0-2) 20090627
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Sample Date									Values	6/27/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009
Chemical Name															
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	NA	NA	NA	NA	NA	NA
Phenol	mg/kg	23,000	NS	61,000	NS	610,000	NS	100	NS	NA	NA	NA	NA	NA	NA
P-Nitroaniline	mg/kg	230	1000	610	110	6100	1600	0.1	NS	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	NA	NA	NA	NA	NA	NA
SVOCs-8270 SIM															
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NA	NA	NA	NA	NA	NA
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	NA	NA	NA	NA	NA	NA
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	NA	NA	NA	NA	NA	NA
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	NA	NA	NA	NA	NA	NA
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	NA	NA	NA	NA	NA	NA
Miscellaneous															
Percent Moisture	%	NS	NS	NS	NS	NS	NS	NS	NS	7.3	13.8	7.8	12.1	10.2	7.2

Notes:

Results are reported in milligrams per kilogram (mg/kg).

%	Percent.
ft-bgs	Feet Below Ground Surface.
J	Estimated Value.
NA	Not Analyzed.
NJ	TIC Estimated Value.
NR	Not Reported.
NS	No Standard.
SB	Soil Boring.
SIM	Selected Ion Monitoring.
SP	Soil Pile.
SVOCs	Semi Volatile Organic Compounds.
TACO	Tiered Approach to Corrective Action Objectives.
TICs	Tentatively Identified Compounds.
VOCs	Volatile Organic Compounds.

Values above the TACO Residential Standards are boldfaced.

Values above the TACO Construction Standards are shaded gray.

Values above the TACO Industrial/Commercial Standards are outlined.

Values above the TACO Soil Component of Groundwater Standard is red.

Values above the TACO Metropolitan Area Background Values are outlined.

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB021	SB022	SB023	SB024	SB025	SB026
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-21 (0-2) 20090627	SB-22 (0-2) 20090627	SB-23 (0-2) 20090627	SB-24 (0-2) 20090627	SB-25 (0-2) 20090627	SB-26 (0-2) 20090627
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Sample Date									Values	6/27/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009
Chemical Name															
VOCs-8260															
1,1,1-Trichloroethane	mg/kg	NS	1,200	NS	1200	NS	1,200	2	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
1,1,2,2-Tetrachloroethane	mg/kg	310	2000	2000	2000	8200	2000	0.22	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1800	8,200	1,800	0.02	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
1,1-Dichloroethane	mg/kg	7,800	1300	200,000	130	200,000	1,700	23	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
1,1-Dichloroethylene	mg/kg	3,900	290	10,000	3	100,000	470	0.06	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
1,2-Dichloroethane	mg/kg	7	0.4	1,400	0.99	63	0.7	0.02	NS	< 0.0276	< 0.0279	< 0.0265	< 0.0293	< 0.0275	< 0.026
1,2-Dichloropropane	mg/kg	9	15	1,800	0.5	84	23	0.03	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
Acetone	mg/kg	70,000	100,000	NS	100000	NS	100,000	25	NS	< 0.276	< 0.279	< 0.265	< 0.293	< 0.275	< 0.26
Benzene	mg/kg	12	0.8	2,300	2.2	100	1.6	0.03	NS	< 0.0276	< 0.0279	< 0.0265	< 0.0293	< 0.0275	< 0.026
Bromodichloromethane	mg/kg	10	3,000	2,000	3000	92	3,000	0.6	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
Bromomethane	mg/kg	110	10	1,000	3.9	2,900	15	0.2	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
Carbon Disulfide	mg/kg	7,800	720	20,000	9	200,000	720	32	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	44	0.64	0.07	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	41,000	210	1	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
Chlorodibromomethane	mg/kg	1,600	1,300	41,000	1300	41,000	1,300	0.4	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
Chloroethane	mg/kg	NS	1500	NS	97	NS	1500	NS	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
Chloroform	mg/kg	100	0.3	2,000	0.76	940	0.54	0.6	NS	< 0.276	< 0.279	< 0.265	< 0.293	< 0.275	< 0.26
Chloromethane	mg/kg	NS	110	NS	11	NS	180	NS	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1200	20,000	1,200	0.4	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
cis-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
Dichloromethane	mg/kg	85	13	12,000	34	760	24	0.02	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
Ethanol	mg/kg	NS	NS	1000000	100000	1000000	100000	2300	NS	31.7	< 5.57	< 5.31	< 5.86	< 5.3	< 5.2
Ethylbenzene	mg/kg	7,800	400	20,000	58	200,000	400	13	NS	< 0.0276	< 0.0279	< 0.0265	< 0.0293	< 0.0275	< 0.026
Methyl Ethyl Ketone (MEK)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.276	< 0.279	< 0.265	< 0.293	< 0.275	< 0.26
Methyl Isobutyl Ketone (MIBK)	mg/kg	NS	3100	NS	340	NS	3100	NS	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
Methyl N-butyl Ketone	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.276	< 0.279	< 0.265	< 0.293	< 0.275	< 0.26
Methyl tert-Butyl Ether (MTBE)	mg/kg	780	8800	2,000	140	20,000	8,800	0.32	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
Styrene (Monomer)	mg/kg	16,000	1500	41,000	430	410,000	1,500	4	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
Tetrachloroethene	mg/kg	12	11	2,400	28	110	20	0.06	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
Toluene	mg/kg	16,000	650	410,000	42	410,000	650	12	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3100	41,000	3,100	0.7	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
trans-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
Tribromomethane	mg/kg	81	53	16,000	140	720	100	0.8	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
Trichloroethylene	mg/kg	58	5	1,200	12	520	8.9	0.06	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	7.9	1.1	0.01	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
Xylene, m&p-	mg/kg	16000	420	41000	5.9	410000	420	200	NS	< 0.0552	< 0.0557	< 0.0531	< 0.0586	< 0.055	< 0.052
Xylene, o-	mg/kg	16,000	410	41,000	6.5	410,000	410	190	NS	< 0.0276	< 0.0279	< 0.0265	< 0.0293	< 0.0275	< 0.026
Xylene, total	mg/kg	16,000	320	41000	5.6	410000	320	150	NS	< 0.0828	< 0.0836	< 0.0796	< 0.0879	< 0.0825	< 0.0779
VOC-TICs-8260															
1,1'-Bicyclohexyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1,2-Dimethylcyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-1,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-4,6-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-4,7-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2 (1H) -Naphthalenone, Octahyd	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2-Methyl Butane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Hexane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NR	NR	NR	NR	NR	NR
Benzene, 1-(2-Butenyl)-2,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	5.46 NJ	NR	NR	NR
Benzene, 1,2-Diethyl-3,4-dim	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	9.96 NJ	NR	NR	NR
Benzene, 1,4-Diethyl-2Methyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	8.12 NJ	NR	NR	NR
Benzene, 1-ethyl-3-(1-Methyl)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	5.15 NJ	NR	NR	NR
Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Hexane	mg/kg	NS	290	NS	16	NS	290	NS	NS	NR	NR	NR	NR	NR	NR
Limonene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Methylcyclohexane	mg/kg	NS	120	NS	46	NS	120	NS	NS	NR	NR	NR	NR	NR	NR
Methyl-Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	7.18 NJ	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	8.56 NJ	NR	NR	NR
Naphthalene, Decahydro-, tra	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	8.76 NJ	NR	NR	NR
n-Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Nonane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Octamethylcyclotetrasiloxane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB021	SB022	SB023	SB024	SB025	SB026
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-21 (0-2) 20090627	SB-22 (0-2) 20090627	SB-23 (0-2) 20090627	SB-24 (0-2) 20090627	SB-25 (0-2) 20090627	SB-26 (0-2) 20090627
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Sample Date									Values	6/27/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009
Chemical Name															
Octane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	6.89 J	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	5.62 J	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	6.62 J	NR	NR	NR
SVOCs-8270															
1,2,4-Trichlorobenzene	mg/kg	780	3200	2,000	920	20,000	3,200	5	NS	NA	NA	NA	NA	NA	NA
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	180,000	560	17	NS	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	NS	11,000	NS	340	NS	17,000	2	NS	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/kg	7,800	NS	200,000	NS	200,000	NS	270	NS	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	520	390	0.2	NS	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	230	NS	610	NS	6,100	NS	1	NS	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	1,600	NS	41,000	NS	41,000	NS	9	NS	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	160	NS	410	NS	4,100	NS	0.2	NS	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0008	NS	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0007	NS	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/kg	6300	NS	160000	NS	160000	NS	49	NS	NA	NA	NA	NA	NA	NA
2-Chlorophenol	mg/kg	390	53,000	10,000	53000	10,000	53,000	4	NS	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/kg	230	35	610	3.6	6100	56	0.14	NS	NA	NA	NA	NA	NA	NA
2-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	mg/kg	1	NS	280	NS	13	NS	0.007	NS	NA	NA	NA	NA	NA	NA
3,5,5-Trimethyl-2-Cyclohexene-1-one	mg/kg	15,600	4,600	410,000	4600	410,000	4,600	8	NS	NA	NA	NA	NA	NA	NA
3-Nitroaniline	mg/kg	23	250	61	26	610	400	0.01	NS	NA	NA	NA	NA	NA	NA
4,6-Dinitro-o-Cresol	mg/kg	7.8	NS	820	NS	200	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Bromophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Chlorophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NA	NA	NA	NA	NA	NA
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	NA	NA	NA	NA	NA	NA
Benzyl Butyl Phthalate	mg/kg	16,000	930	410,000	930	410,000	930	930	NS	NA	NA	NA	NA	NA	NA
Bis (2-ethylhexyl) Phthalate	mg/kg	46	31,000	4,100	31000	410	31,000	3,600	NS	NA	NA	NA	NA	NA	NA
Bis(2-Chloroethoxy)methane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl)ether	mg/kg	0.6	0.2	75	0.66	5	0.47	0.0004	NS	NA	NA	NA	NA	NA	NA
Bis(2-chloroisopropyl)ether	mg/kg	3100	1300	8200	1300	82000	1300	2.4	NS	NA	NA	NA	NA	NA	NA
Carbazole	mg/kg	32	NS	6,200	NS	290	NS	0.6	NS	NA	NA	NA	NA	NA	NA
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	NA	NA	NA	NA	NA	NA
Dibenzofuran	mg/kg	NS	NS	820	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Diethyl Phthalate	mg/kg	63,000	2,000	1,000,000	2000	1,000,000	2,000	470	NS	NA	NA	NA	NA	NA	NA
Dimethyl Phthalate	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Di-n-butyl Phthalate	mg/kg	7,800	2,300	200,000	2300	200,000	2,300	2300	NS	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	NA	NA	NA	NA	NA	NA
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-Butadiene	mg/kg	78	150	200	72	2000	150	2.2	NS	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	4	1.8	2	NS	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.1	14,000	16	400	NS	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	78	NS	2,000	NS	2,000	NS	0.5	NS	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	NA	NA	NA	NA	NA	NA
M-Dichlorobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	NA	NA	NA	NA	NA	NA
Nitrobenzene	mg/kg	39	92	18	NS	0.8	NS	0.1	NS	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	mg/kg	0.09	NS	1,000	9.4	1,000	140	0.00005	NS	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	130	NS	4,100	1.8	41,000	270	1	NS	NA	NA	NA	NA	NA	NA
o-cresol	mg/kg	3,900	NS	100,000	NS	100,000	NS	15	NS	NA	NA	NA	NA	NA	NA
Octyl Phthalate, di-n-	mg/kg	1,600	10,000	4,100	10000	41,000	10,000	10000	NS	NA	NA	NA	NA	NA	NA
P-Chloroaniline	mg/kg	310	NS	820	NS	8,200	NS	0.7	NS	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/kg	3	NS	520	NS	24	NS	0.03	NS	NA	NA	NA	NA	NA	NA
Percent Moisture	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB021	SB022	SB023	SB024	SB025	SB026
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-21 (0-2) 20090627	SB-22 (0-2) 20090627	SB-23 (0-2) 20090627	SB-24 (0-2) 20090627	SB-25 (0-2) 20090627	SB-26 (0-2) 20090627
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Sample Date									Values	6/27/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009
Chemical Name															
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	NA	NA	NA	NA	NA	NA
Phenol	mg/kg	23,000	NS	61,000	NS	610,000	NS	100	NS	NA	NA	NA	NA	NA	NA
P-Nitroaniline	mg/kg	230	1000	610	110	6100	1600	0.1	NS	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	NA	NA	NA	NA	NA	NA
SVOCs-8270 SIM															
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NA	NA	NA	NA	NA	NA
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	NA	NA	NA	NA	NA	NA
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	NA	NA	NA	NA	NA	NA
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	NA	NA	NA	NA	NA	NA
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	NA	NA	NA	NA	NA	NA
Miscellaneous															
Percent Moisture	%	NS	NS	NS	NS	NS	NS	NS	NS	9.5	10.3	5.8	14.7	9.1	3.8

Notes:

Results are reported in milligrams per kilogram (mg/kg).

%	Percent.
ft-bgs	Feet Below Ground Surface.
J	Estimated Value.
NA	Not Analyzed.
NJ	TIC Estimated Value.
NR	Not Reported.
NS	No Standard.
SB	Soil Boring.
SIM	Selected Ion Monitoring.
SP	Soil Pile.
SVOCs	Semi Volatile Organic Compounds.
TACO	Tiered Approach to Corrective Action Objectives.
TICs	Tentatively Identified Compounds.
VOCs	Volatile Organic Compounds.

Values above the TACO Residential Standards are boldfaced.

Values above the TACO Construction Standards are shaded gray.

Values above the TACO Industrial/Commercial Standards are outlined.

Values above the TACO Soil Component of Groundwater Standard is red.

Values above the TACO Metropolitan Area Background Values are outlined.

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB026	SB027	SB028	SB029	SB029	SB030
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-26 (2-4) 20090627	SB-27 (0-2) 20090627	SB-28 (0-2) 20090627	SB-29 (0-2) 20090627	SB-29 (2-4) 20090627	SB-30 (0-2) 20090627
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	2 - 4	0 - 2	0 - 2	0 - 2	2 - 4	0 - 2
Sample Date									Values	6/27/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009
Chemical Name															
VOCs-8260															
1,1,1-Trichloroethane	mg/kg	NS	1,200	NS	1200	NS	1,200	2	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
1,1,2,2-Tetrachloroethane	mg/kg	310	2000	2000	2000	8200	2000	0.22	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1800	8,200	1,800	0.02	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
1,1-Dichloroethane	mg/kg	7,800	1300	200,000	130	200,000	1,700	23	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
1,1-Dichloroethylene	mg/kg	3,900	290	10,000	3	100,000	470	0.06	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
1,2-Dichloroethane	mg/kg	7	0.4	1,400	0.99	63	0.7	0.02	NS	< 0.0281	< 0.0282	< 0.0292	< 0.0279	< 0.0303	< 0.0274
1,2-Dichloropropane	mg/kg	9	15	1,800	0.5	84	23	0.03	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
Acetone	mg/kg	70,000	100,000	NS	100000	NS	100,000	25	NS	< 0.281	< 0.282	< 0.292	< 0.279	< 0.303	< 0.274
Benzene	mg/kg	12	0.8	2,300	2.2	100	1.6	0.03	NS	< 0.0281	< 0.0282	< 0.0292	< 0.0279	< 0.0303	< 0.0274
Bromodichloromethane	mg/kg	10	3,000	2,000	3000	92	3,000	0.6	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
Bromomethane	mg/kg	110	10	1,000	3.9	2,900	15	0.2	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
Carbon Disulfide	mg/kg	7,800	720	20,000	9	200,000	720	32	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	44	0.64	0.07	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	41,000	210	1	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
Chlorodibromomethane	mg/kg	1,600	1,300	41,000	1300	41,000	1,300	0.4	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
Chloroethane	mg/kg	NS	1500	NS	97	NS	1500	NS	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
Chloroform	mg/kg	100	0.3	2,000	0.76	940	0.54	0.6	NS	< 0.281	< 0.282	< 0.292	< 0.279	< 0.303	< 0.274
Chloromethane	mg/kg	NS	110	NS	11	NS	180	NS	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1200	20,000	1,200	0.4	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
cis-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
Dichloromethane	mg/kg	85	13	12,000	34	760	24	0.02	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
Ethanol	mg/kg	NS	NS	1000000	100000	1000000	100000	2300	NS	< 5.62	< 5.63	< 5.84	< 5.57	< 6.06	6.24
Ethylbenzene	mg/kg	7,800	400	20,000	58	200,000	400	13	NS	< 0.0281	< 0.0282	< 0.0292	< 0.0279	< 0.0303	< 0.0274
Methyl Ethyl Ketone (MEK)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.281	< 0.282	< 0.292	< 0.279	< 0.303	< 0.274
Methyl Isobutyl Ketone (MIBK)	mg/kg	NS	3100	NS	340	NS	3100	NS	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
Methyl N-butyl Ketone	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.281	< 0.282	< 0.292	< 0.279	< 0.303	< 0.274
Methyl tert-Butyl Ether (MTBE)	mg/kg	780	8800	2,000	140	20,000	8,800	0.32	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
Styrene (Monomer)	mg/kg	16,000	1500	41,000	430	410,000	1,500	4	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
Tetrachloroethene	mg/kg	12	11	2,400	28	110	20	0.06	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
Toluene	mg/kg	16,000	650	410,000	42	410,000	650	12	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3100	41,000	3,100	0.7	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
trans-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
Tribromomethane	mg/kg	81	53	16,000	140	720	100	0.8	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
Trichloroethylene	mg/kg	58	5	1,200	12	520	8.9	0.06	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	7.9	1.1	0.01	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
Xylene, m&p-	mg/kg	16000	420	41000	5.9	410000	420	200	NS	< 0.0562	< 0.0563	< 0.0584	< 0.0557	< 0.0606	< 0.0549
Xylene, o-	mg/kg	16,000	410	41,000	6.5	410,000	410	190	NS	< 0.0281	< 0.0282	< 0.0292	< 0.0279	< 0.0303	< 0.0274
Xylene, total	mg/kg	16,000	320	41000	5.6	410000	320	150	NS	< 0.0843	< 0.0845	< 0.0876	< 0.0836	< 0.0909	< 0.0823
VOC-TICs-8260															
1,1'-Bicyclohexyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1,2-Dimethylcyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-1,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-4,6-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-4,7-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2 (1H) -Naphthalenone, Octahyd	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2-Methyl Butane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	0.499 NJ	NR
2-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	0.452 NJ	NR
3-Methyl Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	0.329 NJ	NR
3-Methyl Hexane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NR	NR	NR	NR	NR	NR
Benzene, 1-(2-Butenyl)-2,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1,2-Diethyl-3,4-dim	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1,4-Diethyl-2Methyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1-ethyl-3-(1-Methyl)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Hexane	mg/kg	NS	290	NS	16	NS	290	NS	NS	NR	NR	NR	NR	0.673 NJ	NR
Limonene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Methylcyclohexane	mg/kg	NS	120	NS	46	NS	120	NS	NS	NR	NR	NR	NR	NR	NR
Methyl-Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, tra	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
n-Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	0.539 NJ	NR
Nonane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	0.318 NJ	NR
Octamethylcyclotetrasiloxane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB026	SB027	SB028	SB029	SB029	SB030
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-26 (2-4) 20090627	SB-27 (0-2) 20090627	SB-28 (0-2) 20090627	SB-29 (0-2) 20090627	SB-29 (2-4) 20090627	SB-30 (0-2) 20090627
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	2 - 4	0 - 2	0 - 2	0 - 2	2 - 4	0 - 2
Sample Date									Values	6/27/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009
Chemical Name															
Octane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	0.343 NJ	NR
Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	0.605 NJ	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
SVOCs-8270															
1,2,4-Trichlorobenzene	mg/kg	780	3200	2,000	920	20,000	3,200	5	NS	NA	NA	NA	NA	NA	NA
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	180,000	560	17	NS	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	NS	11,000	NS	340	NS	17,000	2	NS	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/kg	7,800	NS	200,000	NS	200,000	NS	270	NS	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	520	390	0.2	NS	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	230	NS	610	NS	6,100	NS	1	NS	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	1,600	NS	41,000	NS	41,000	NS	9	NS	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	160	NS	410	NS	4,100	NS	0.2	NS	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0008	NS	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0007	NS	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/kg	6300	NS	160000	NS	160000	NS	49	NS	NA	NA	NA	NA	NA	NA
2-Chlorophenol	mg/kg	390	53,000	10,000	53000	10,000	53,000	4	NS	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/kg	230	35	610	3.6	6100	56	0.14	NS	NA	NA	NA	NA	NA	NA
2-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	mg/kg	1	NS	280	NS	13	NS	0.007	NS	NA	NA	NA	NA	NA	NA
3,5,5-Trimethyl-2-Cyclohexene-1-one	mg/kg	15,600	4,600	410,000	4600	410,000	4,600	8	NS	NA	NA	NA	NA	NA	NA
3-Nitroaniline	mg/kg	23	250	61	26	610	400	0.01	NS	NA	NA	NA	NA	NA	NA
4,6-Dinitro-o-Cresol	mg/kg	7.8	NS	820	NS	200	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Bromophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Chlorophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NA	NA	NA	NA	NA	NA
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	NA	NA	NA	NA	NA	NA
Benzyl Butyl Phthalate	mg/kg	16,000	930	410,000	930	410,000	930	930	NS	NA	NA	NA	NA	NA	NA
Bis (2-ethylhexyl) Phthalate	mg/kg	46	31,000	4,100	31000	410	31,000	3,600	NS	NA	NA	NA	NA	NA	NA
Bis(2-Chloroethoxy)methane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl)ether	mg/kg	0.6	0.2	75	0.66	5	0.47	0.0004	NS	NA	NA	NA	NA	NA	NA
Bis(2-chloroisopropyl)ether	mg/kg	3100	1300	8200	1300	82000	1300	2.4	NS	NA	NA	NA	NA	NA	NA
Carbazole	mg/kg	32	NS	6,200	NS	290	NS	0.6	NS	NA	NA	NA	NA	NA	NA
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	NA	NA	NA	NA	NA	NA
Dibenzofuran	mg/kg	NS	NS	820	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Diethyl Phthalate	mg/kg	63,000	2,000	1,000,000	2000	1,000,000	2,000	470	NS	NA	NA	NA	NA	NA	NA
Dimethyl Phthalate	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Di-n-butyl Phthalate	mg/kg	7,800	2,300	200,000	2300	200,000	2,300	2300	NS	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	NA	NA	NA	NA	NA	NA
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-Butadiene	mg/kg	78	150	200	72	2000	150	2.2	NS	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	4	1.8	2	NS	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.1	14,000	16	400	NS	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	78	NS	2,000	NS	2,000	NS	0.5	NS	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	NA	NA	NA	NA	NA	NA
M-Dichlorobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	NA	NA	NA	NA	NA	NA
Nitrobenzene	mg/kg	39	92	18	NS	0.8	NS	0.1	NS	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	mg/kg	0.09	NS	1,000	9.4	1,000	140	0.00005	NS	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	130	NS	4,100	1.8	41,000	270	1	NS	NA	NA	NA	NA	NA	NA
o-cresol	mg/kg	3,900	NS	100,000	NS	100,000	NS	15	NS	NA	NA	NA	NA	NA	NA
Octyl Phthalate, di-n-	mg/kg	1,600	10,000	4,100	10000	41,000	10,000	10000	NS	NA	NA	NA	NA	NA	NA
P-Chloroaniline	mg/kg	310	NS	820	NS	8,200	NS	0.7	NS	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/kg	3	NS	520	NS	24	NS	0.03	NS	NA	NA	NA	NA	NA	NA
Percent Moisture	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB026	SB027	SB028	SB029	SB029	SB030
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-26 (2-4) 20090627	SB-27 (0-2) 20090627	SB-28 (0-2) 20090627	SB-29 (0-2) 20090627	SB-29 (2-4) 20090627	SB-30 (0-2) 20090627
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	2 - 4	0 - 2	0 - 2	0 - 2	2 - 4	0 - 2
Sample Date									Values	6/27/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009	6/27/2009
Chemical Name															
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	NA	NA	NA	NA	NA	NA
Phenol	mg/kg	23,000	NS	61,000	NS	610,000	NS	100	NS	NA	NA	NA	NA	NA	NA
P-Nitroaniline	mg/kg	230	1000	610	110	6100	1600	0.1	NS	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	NA	NA	NA	NA	NA	NA
SVOCs-8270 SIM															
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NA	NA	NA	NA	NA	NA
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	NA	NA	NA	NA	NA	NA
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	NA	NA	NA	NA	NA	NA
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	NA	NA	NA	NA	NA	NA
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	NA	NA	NA	NA	NA	NA
Miscellaneous															
Percent Moisture	%	NS	NS	NS	NS	NS	NS	NS	NS	11.1	11.3	14.4	10.3	12.2	8.9

Notes:

Results are reported in milligrams per kilogram (mg/kg).

%	Percent.
ft-bgs	Feet Below Ground Surface.
J	Estimated Value.
NA	Not Analyzed.
NJ	TIC Estimated Value.
NR	Not Reported.
NS	No Standard.
SB	Soil Boring.
SIM	Selected Ion Monitoring.
SP	Soil Pile.
SVOCs	Semi Volatile Organic Compounds.
TACO	Tiered Approach to Corrective Action Objectives.
TICs	Tentatively Identified Compounds.
VOCs	Volatile Organic Compounds.

Values above the TACO Residential Standards are boldfaced.

Values above the TACO Construction Standards are shaded gray.

Values above the TACO Industrial/Commercial Standards are outlined.

Values above the TACO Soil Component of Groundwater Standard is red.

Values above the TACO Metropolitan Area Background Values are outlined.

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB031	SB032	SB033	SB034	SB035	SB036
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-31 (0-2) 20090627	SB-32 (0-2) 20090627	SB-33 (0-2) 20090628	SB-34 (0-2) 20090628	SB-35 (0-2) 20090628	SB-36 (0-2) 20090628
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Sample Date									Values	6/27/2009	6/27/2009	6/28/2009	6/28/2009	6/28/2009	6/28/2009
Chemical Name															
VOCs-8260															
1,1,1-Trichloroethane	mg/kg	NS	1,200	NS	1200	NS	1,200	2	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
1,1,2,2-Tetrachloroethane	mg/kg	310	2000	2000	2000	8200	2000	0.22	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1800	8,200	1,800	0.02	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
1,1-Dichloroethane	mg/kg	7,800	1300	200,000	130	200,000	1,700	23	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
1,1-Dichloroethylene	mg/kg	3,900	290	10,000	3	100,000	470	0.06	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
1,2-Dichloroethane	mg/kg	7	0.4	1,400	0.99	63	0.7	0.02	NS	< 0.0282	< 0.0268	< 0.0282	< 0.0291	< 0.0279	< 0.0299
1,2-Dichloropropane	mg/kg	9	15	1,800	0.5	84	23	0.03	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
Acetone	mg/kg	70,000	100,000	NS	100000	NS	100,000	25	NS	< 0.282	< 0.268	< 0.282	< 0.291	< 0.279	< 0.299
Benzene	mg/kg	12	0.8	2,300	2.2	100	1.6	0.03	NS	< 0.0282	< 0.0268	< 0.0282	< 0.0291	< 0.0279	< 0.0299
Bromodichloromethane	mg/kg	10	3,000	2,000	3000	92	3,000	0.6	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
Bromomethane	mg/kg	110	10	1,000	3.9	2,900	15	0.2	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
Carbon Disulfide	mg/kg	7,800	720	20,000	9	200,000	720	32	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	44	0.64	0.07	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	41,000	210	1	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
Chlorodibromomethane	mg/kg	1,600	1,300	41,000	1300	41,000	1,300	0.4	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
Chloroethane	mg/kg	NS	1500	NS	97	NS	1500	NS	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
Chloroform	mg/kg	100	0.3	2,000	0.76	940	0.54	0.6	NS	< 0.282	< 0.268	< 0.282	< 0.291	< 0.279	< 0.299
Chloromethane	mg/kg	NS	110	NS	11	NS	180	NS	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1200	20,000	1,200	0.4	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
cis-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
Dichloromethane	mg/kg	85	13	12,000	34	760	24	0.02	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
Ethanol	mg/kg	NS	NS	1000000	100000	1000000	100000	2300	NS	< 5.65	< 5.36	< 5.64	< 5.82	< 5.67	< 5.97
Ethylbenzene	mg/kg	7,800	400	20,000	58	200,000	400	13	NS	< 0.0282	< 0.0268	< 0.0282	< 0.0291	< 0.0279	< 0.0299
Methyl Ethyl Ketone (MEK)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.282	< 0.268	< 0.282	< 0.291	< 0.279	< 0.299
Methyl Isobutyl Ketone (MIBK)	mg/kg	NS	3100	NS	340	NS	3100	NS	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
Methyl N-butyl Ketone	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.282	< 0.268	< 0.282	< 0.291	< 0.279	< 0.299
Methyl tert-Butyl Ether (MTBE)	mg/kg	780	8800	2,000	140	20,000	8,800	0.32	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
Styrene (Monomer)	mg/kg	16,000	1500	41,000	430	410,000	1,500	4	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
Tetrachloroethene	mg/kg	12	11	2,400	28	110	20	0.06	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
Toluene	mg/kg	16,000	650	410,000	42	410,000	650	12	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3100	41,000	3,100	0.7	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
trans-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
Tribromomethane	mg/kg	81	53	16,000	140	720	100	0.8	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
Trichloroethylene	mg/kg	58	5	1,200	12	520	8.9	0.06	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	7.9	1.1	0.01	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
Xylene, m&p-	mg/kg	16000	420	41000	5.9	410000	420	200	NS	< 0.0565	< 0.0536	< 0.0564	< 0.0582	< 0.0557	< 0.0597
Xylene, o-	mg/kg	16,000	410	41,000	6.5	410,000	410	190	NS	< 0.0282	< 0.0268	< 0.0282	< 0.0291	< 0.0279	< 0.0299
Xylene, total	mg/kg	16,000	320	41000	5.6	410000	320	150	NS	< 0.0847	< 0.0805	< 0.0846	< 0.0873	< 0.0836	< 0.0896
VOC-TICs-8260															
1,1'-Bicyclohexyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1,2-Dimethylcyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-1,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-4,6-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-4,7-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2 (1H) -Naphthalenone, Octahyd	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2-Methyl Butane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Hexane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NR	NR	NR	NR	NR	NR
Benzene, 1-(2-Butenyl)-2,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1,2-Diethyl-3,4-dim	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1,4-Diethyl-2Methyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1-ethyl-3-(1-Methyl)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Hexane	mg/kg	NS	290	NS	16	NS	290	NS	NS	NR	NR	NR	NR	NR	NR
Limonene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Methylcyclohexane	mg/kg	NS	120	NS	46	NS	120	NS	NS	NR	NR	NR	NR	NR	NR
Methyl-Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, tra	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
n-Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Nonane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Octamethylcyclotetrasiloxane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB031	SB032	SB033	SB034	SB035	SB036
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-31 (0-2) 20090627	SB-32 (0-2) 20090627	SB-33 (0-2) 20090628	SB-34 (0-2) 20090628	SB-35 (0-2) 20090628	SB-36 (0-2) 20090628
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Sample Date									Values	6/27/2009	6/27/2009	6/28/2009	6/28/2009	6/28/2009	6/28/2009
Chemical Name															
Octane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
SVOCs-8270															
1,2,4-Trichlorobenzene	mg/kg	780	3200	2,000	920	20,000	3,200	5	NS	NA	NA	NA	NA	NA	NA
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	180,000	560	17	NS	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	NS	11,000	NS	340	NS	17,000	2	NS	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/kg	7,800	NS	200,000	NS	200,000	NS	270	NS	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	520	390	0.2	NS	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	230	NS	610	NS	6,100	NS	1	NS	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	1,600	NS	41,000	NS	41,000	NS	9	NS	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	160	NS	410	NS	4,100	NS	0.2	NS	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0008	NS	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0007	NS	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/kg	6300	NS	160000	NS	160000	NS	49	NS	NA	NA	NA	NA	NA	NA
2-Chlorophenol	mg/kg	390	53,000	10,000	53000	10,000	53,000	4	NS	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/kg	230	35	610	3.6	6100	56	0.14	NS	NA	NA	NA	NA	NA	NA
2-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	mg/kg	1	NS	280	NS	13	NS	0.007	NS	NA	NA	NA	NA	NA	NA
3,5,5-Trimethyl-2-Cyclohexene-1-one	mg/kg	15,600	4,600	410,000	4600	410,000	4,600	8	NS	NA	NA	NA	NA	NA	NA
3-Nitroaniline	mg/kg	23	250	61	26	610	400	0.01	NS	NA	NA	NA	NA	NA	NA
4,6-Dinitro-o-Cresol	mg/kg	7.8	NS	820	NS	200	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Bromophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Chlorophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NA	NA	NA	NA	NA	NA
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	NA	NA	NA	NA	NA	NA
Benzyl Butyl Phthalate	mg/kg	16,000	930	410,000	930	410,000	930	930	NS	NA	NA	NA	NA	NA	NA
Bis (2-ethylhexyl) Phthalate	mg/kg	46	31,000	4,100	31000	410	31,000	3,600	NS	NA	NA	NA	NA	NA	NA
Bis(2-Chloroethoxy)methane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl)ether	mg/kg	0.6	0.2	75	0.66	5	0.47	0.0004	NS	NA	NA	NA	NA	NA	NA
Bis(2-chloroisopropyl)ether	mg/kg	3100	1300	8200	1300	82000	1300	2.4	NS	NA	NA	NA	NA	NA	NA
Carbazole	mg/kg	32	NS	6,200	NS	290	NS	0.6	NS	NA	NA	NA	NA	NA	NA
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	NA	NA	NA	NA	NA	NA
Dibenzofuran	mg/kg	NS	NS	820	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Diethyl Phthalate	mg/kg	63,000	2,000	1,000,000	2000	1,000,000	2,000	470	NS	NA	NA	NA	NA	NA	NA
Dimethyl Phthalate	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Di-n-butyl Phthalate	mg/kg	7,800	2,300	200,000	2300	200,000	2,300	2300	NS	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	NA	NA	NA	NA	NA	NA
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-Butadiene	mg/kg	78	150	200	72	2000	150	2.2	NS	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	4	1.8	2	NS	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.1	14,000	16	400	NS	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	78	NS	2,000	NS	2,000	NS	0.5	NS	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	NA	NA	NA	NA	NA	NA
M-Dichlorobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	NA	NA	NA	NA	NA	NA
Nitrobenzene	mg/kg	39	92	18	NS	0.8	NS	0.1	NS	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	mg/kg	0.09	NS	1,000	9.4	1,000	140	0.00005	NS	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	130	NS	4,100	1.8	41,000	270	1	NS	NA	NA	NA	NA	NA	NA
o-cresol	mg/kg	3,900	NS	100,000	NS	100,000	NS	15	NS	NA	NA	NA	NA	NA	NA
Octyl Phthalate, di-n-	mg/kg	1,600	10,000	4,100	10000	41,000	10,000	10000	NS	NA	NA	NA	NA	NA	NA
P-Chloroaniline	mg/kg	310	NS	820	NS	8,200	NS	0.7	NS	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/kg	3	NS	520	NS	24	NS	0.03	NS	NA	NA	NA	NA	NA	NA
Percent Moisture	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB031	SB032	SB033	SB034	SB035	SB036
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-31 (0-2) 20090627	SB-32 (0-2) 20090627	SB-33 (0-2) 20090628	SB-34 (0-2) 20090628	SB-35 (0-2) 20090628	SB-36 (0-2) 20090628
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Sample Date									Values	6/27/2009	6/27/2009	6/28/2009	6/28/2009	6/28/2009	6/28/2009
Chemical Name															
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	NA	NA	NA	NA	NA	NA
Phenol	mg/kg	23,000	NS	61,000	NS	610,000	NS	100	NS	NA	NA	NA	NA	NA	NA
P-Nitroaniline	mg/kg	230	1000	610	110	6100	1600	0.1	NS	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	NA	NA	NA	NA	NA	NA
SVOCs-8270 SIM															
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NA	NA	NA	NA	NA	NA
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	NA	NA	NA	NA	NA	NA
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	NA	NA	NA	NA	NA	NA
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	NA	NA	NA	NA	NA	NA
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	NA	NA	NA	NA	NA	NA
Miscellaneous															
Percent Moisture	%	NS	NS	NS	NS	NS	NS	NS	NS	11.5	6.8	11.3	14.1	10.3	16.3

Notes:

Results are reported in milligrams per kilogram (mg/kg).

%	Percent.
ft-bgs	Feet Below Ground Surface.
J	Estimated Value.
NA	Not Analyzed.
NJ	TIC Estimated Value.
NR	Not Reported.
NS	No Standard.
SB	Soil Boring.
SIM	Selected Ion Monitoring.
SP	Soil Pile.
SVOCs	Semi Volatile Organic Compounds.
TACO	Tiered Approach to Corrective Action Objectives.
TICs	Tentatively Identified Compounds.
VOCs	Volatile Organic Compounds.

Values above the TACO Residential Standards are boldfaced.

Values above the TACO Construction Standards are shaded gray.

Values above the TACO Industrial/Commercial Standards are outlined.

Values above the TACO Soil Component of Groundwater Standard is red.

Values above the TACO Metropolitan Area Background Values are outlined.

Preliminary Level II Results - Pending Validation										SB036	SB037	SB038	SB039	SB039	SB040
Location ID	Unit	Residential Ingestion	Residential Inhalation	Construction Worker Ingestion	Construction Worker Inhalation	Industrial Commercial Ingestion	Industrial Commercial Inhalation	Soil Component of Groundwater Class I	Metropolitan Area Background Values	SB-36 (5-6) 20090628	SB-37 (0-2) 20090628	SB-38 (0-2) 20090628	DUP-1 20090628	SB-39 (0-2) 20090628	SB-40 (0-2) 20090628
Sample Name										5 - 6	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Depth Interval (ft-bgs)										6/28/2009	6/28/2009	6/28/2009	6/28/2009	6/28/2009	6/28/2009
Sample Date															
Chemical Name															
VOCs-8260															
1,1,1-Trichloroethane	mg/kg	NS	1,200	NS	1200	NS	1,200	2	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
1,1,2,2-Tetrachloroethane	mg/kg	310	2000	2000	2000	8200	2000	0.22	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1800	8,200	1,800	0.02	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
1,1-Dichloroethane	mg/kg	7,800	1300	200,000	130	200,000	1,700	23	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
1,1-Dichloroethylene	mg/kg	3,900	290	10,000	3	100,000	470	0.06	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
1,2-Dichloroethane	mg/kg	7	0.4	1,400	0.99	63	0.7	0.02	NS	< 0.0307	< 0.0279	< 0.0272	< 0.0286	< 0.0285	< 0.0273
1,2-Dichloropropane	mg/kg	9	15	1,800	0.5	84	23	0.03	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
Acetone	mg/kg	70,000	100,000	NS	100000	NS	100,000	25	NS	< 0.307	< 0.279	< 0.272	< 0.286	< 0.285	< 0.273
Benzene	mg/kg	12	0.8	2,300	2.2	100	1.6	0.03	NS	< 0.0307	< 0.0279	< 0.0272	< 0.0286	< 0.0285	< 0.0273
Bromodichloromethane	mg/kg	10	3,000	2,000	3000	92	3,000	0.6	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
Bromomethane	mg/kg	110	10	1,000	3.9	2,900	15	0.2	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
Carbon Disulfide	mg/kg	7,800	720	20,000	9	200,000	720	32	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	44	0.64	0.07	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	41,000	210	1	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
Chlorodibromomethane	mg/kg	1,600	1,300	41,000	1300	41,000	1,300	0.4	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
Chloroethane	mg/kg	NS	1500	NS	97	NS	1500	NS	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
Chloroform	mg/kg	100	0.3	2,000	0.76	940	0.54	0.6	NS	< 0.307	< 0.279	< 0.272	< 0.286	< 0.285	< 0.273
Chloromethane	mg/kg	NS	110	NS	11	NS	180	NS	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1200	20,000	1,200	0.4	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
cis-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
Dichloromethane	mg/kg	85	13	12,000	34	760	24	0.02	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
Ethanol	mg/kg	NS	NS	1000000	100000	1000000	100000	2300	NS	< 6.14	< 5.59	< 5.44	< 5.72	< 5.71	< 5.46
Ethylbenzene	mg/kg	7,800	400	20,000	58	200,000	400	13	NS	< 0.0307	< 0.0279	< 0.0272	< 0.0286	< 0.0285	< 0.0273
Methyl Ethyl Ketone (MEK)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.307	< 0.279	< 0.272	< 0.286	< 0.285	< 0.273
Methyl Isobutyl Ketone (MIBK)	mg/kg	NS	3100	NS	340	NS	3100	NS	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
Methyl N-butyl Ketone	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.307	< 0.279	< 0.272	< 0.286	< 0.285	< 0.273
Methyl tert-Butyl Ether (MTBE)	mg/kg	780	8800	2,000	140	20,000	8,800	0.32	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
Styrene (Monomer)	mg/kg	16,000	1500	41,000	430	410,000	1,500	4	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
Tetrachloroethene	mg/kg	12	11	2,400	28	110	20	0.06	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
Toluene	mg/kg	16,000	650	410,000	42	410,000	650	12	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3100	41,000	3,100	0.7	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
trans-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
Tribromomethane	mg/kg	81	53	16,000	140	720	100	0.8	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
Trichloroethylene	mg/kg	58	5	1,200	12	520	8.9	0.06	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	7.9	1.1	0.01	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
Xylene, m&p-	mg/kg	16000	420	41000	5.9	410000	420	200	NS	< 0.0614	< 0.0559	< 0.0544	< 0.0572	< 0.0571	< 0.0546
Xylene, o-	mg/kg	16,000	410	41,000	6.5	410,000	410	190	NS	< 0.0307	< 0.0279	< 0.0272	< 0.0286	< 0.0285	< 0.0273
Xylene, total	mg/kg	16,000	320	41000	5.6	410000	320	150	NS	< 0.0921	< 0.0838	< 0.0816	< 0.0858	< 0.0856	< 0.0818
VOC-TICs-8260															
1,1'-Bicyclohexyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1,2-Dimethylcyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-1,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-4,6-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-4,7-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2 (1H) -Naphthalenone, Octahyd	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2-Methyl Butane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Hexane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NR	NR	NR	NR	NR	NR
Benzene, 1-(2-Butenyl)-2,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1,2-Diethyl-3,4-dim	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1,4-Diethyl-2Methyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1-ethyl-3-(1-Methyl)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Hexane	mg/kg	NS	290	NS	16	NS	290	NS	NS	NR	NR	NR	NR	NR	NR
Limonene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Methylcyclohexane	mg/kg	NS	120	NS	46	NS	120	NS	NS	NR	NR	NR	NR	NR	NR
Methyl-Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, tra	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
n-Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Nonane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Octamethylcyclotetrasiloxane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB036	SB037	SB038	SB039	SB039	SB040
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-36 (5-6) 20090628	SB-37 (0-2) 20090628	SB-38 (0-2) 20090628	DUP-1 20090628	SB-39 (0-2) 20090628	SB-40 (0-2) 20090628
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	5 - 6	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Sample Date									Values	6/28/2009	6/28/2009	6/28/2009	6/28/2009	6/28/2009	6/28/2009
Chemical Name															
Octane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
SVOCs-8270															
1,2,4-Trichlorobenzene	mg/kg	780	3200	2,000	920	20,000	3,200	5	NS	NA	NA	NA	NA	NA	NA
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	180,000	560	17	NS	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	NS	11,000	NS	340	NS	17,000	2	NS	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/kg	7,800	NS	200,000	NS	200,000	NS	270	NS	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	520	390	0.2	NS	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	230	NS	610	NS	6,100	NS	1	NS	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	1,600	NS	41,000	NS	41,000	NS	9	NS	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	160	NS	410	NS	4,100	NS	0.2	NS	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0008	NS	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0007	NS	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/kg	6300	NS	160000	NS	160000	NS	49	NS	NA	NA	NA	NA	NA	NA
2-Chlorophenol	mg/kg	390	53,000	10,000	53000	10,000	53,000	4	NS	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/kg	230	35	610	3.6	6100	56	0.14	NS	NA	NA	NA	NA	NA	NA
2-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	mg/kg	1	NS	280	NS	13	NS	0.007	NS	NA	NA	NA	NA	NA	NA
3,5,5-Trimethyl-2-Cyclohexene-1-one	mg/kg	15,600	4,600	410,000	4600	410,000	4,600	8	NS	NA	NA	NA	NA	NA	NA
3-Nitroaniline	mg/kg	23	250	61	26	610	400	0.01	NS	NA	NA	NA	NA	NA	NA
4,6-Dinitro-o-Cresol	mg/kg	7.8	NS	820	NS	200	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Bromophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Chlorophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NA	NA	NA	NA	NA	NA
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	NA	NA	NA	NA	NA	NA
Benzyl Butyl Phthalate	mg/kg	16,000	930	410,000	930	410,000	930	930	NS	NA	NA	NA	NA	NA	NA
Bis (2-ethylhexyl) Phthalate	mg/kg	46	31,000	4,100	31000	410	31,000	3,600	NS	NA	NA	NA	NA	NA	NA
Bis(2-Chloroethoxy)methane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl)ether	mg/kg	0.6	0.2	75	0.66	5	0.47	0.0004	NS	NA	NA	NA	NA	NA	NA
Bis(2-chloroisopropyl)ether	mg/kg	3100	1300	8200	1300	82000	1300	2.4	NS	NA	NA	NA	NA	NA	NA
Carbazole	mg/kg	32	NS	6,200	NS	290	NS	0.6	NS	NA	NA	NA	NA	NA	NA
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	NA	NA	NA	NA	NA	NA
Dibenzofuran	mg/kg	NS	NS	820	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Diethyl Phthalate	mg/kg	63,000	2,000	1,000,000	2000	1,000,000	2,000	470	NS	NA	NA	NA	NA	NA	NA
Dimethyl Phthalate	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Di-n-butyl Phthalate	mg/kg	7,800	2,300	200,000	2300	200,000	2,300	2300	NS	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	NA	NA	NA	NA	NA	NA
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-Butadiene	mg/kg	78	150	200	72	2000	150	2.2	NS	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	4	1.8	2	NS	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.1	14,000	16	400	NS	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	78	NS	2,000	NS	2,000	NS	0.5	NS	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	NA	NA	NA	NA	NA	NA
M-Dichlorobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	NA	NA	NA	NA	NA	NA
Nitrobenzene	mg/kg	39	92	18	NS	0.8	NS	0.1	NS	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	mg/kg	0.09	NS	1,000	9.4	1,000	140	0.00005	NS	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	130	NS	4,100	1.8	41,000	270	1	NS	NA	NA	NA	NA	NA	NA
o-cresol	mg/kg	3,900	NS	100,000	NS	100,000	NS	15	NS	NA	NA	NA	NA	NA	NA
Octyl Phthalate, di-n-	mg/kg	1,600	10,000	4,100	10000	41,000	10,000	10000	NS	NA	NA	NA	NA	NA	NA
P-Chloroaniline	mg/kg	310	NS	820	NS	8,200	NS	0.7	NS	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/kg	3	NS	520	NS	24	NS	0.03	NS	NA	NA	NA	NA	NA	NA
Percent Moisture	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB036	SB037	SB038	SB039	SB039	SB040
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-36 (5-6) 20090628	SB-37 (0-2) 20090628	SB-38 (0-2) 20090628	DUP-1 20090628	SB-39 (0-2) 20090628	SB-40 (0-2) 20090628
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	5 - 6	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Sample Date									Values	6/28/2009	6/28/2009	6/28/2009	6/28/2009	6/28/2009	6/28/2009
Chemical Name															
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	NA	NA	NA	NA	NA	NA
Phenol	mg/kg	23,000	NS	61,000	NS	610,000	NS	100	NS	NA	NA	NA	NA	NA	NA
P-Nitroaniline	mg/kg	230	1000	610	110	6100	1600	0.1	NS	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	NA	NA	NA	NA	NA	NA
SVOCs-8270 SIM															
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NA	NA	NA	NA	NA	NA
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	NA	NA	NA	NA	NA	NA
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	NA	NA	NA	NA	NA	NA
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	NA	NA	NA	NA	NA	NA
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	NA	NA	NA	NA	NA	NA
Miscellaneous															
Percent Moisture	%	NS	NS	NS	NS	NS	NS	NS	NS	18.5	10.5	8.1	12.6	12.4	8.4

Notes:

Results are reported in milligrams per kilogram (mg/kg).

%	Percent.
ft-bgs	Feet Below Ground Surface.
J	Estimated Value.
NA	Not Analyzed.
NJ	TIC Estimated Value.
NR	Not Reported.
NS	No Standard.
SB	Soil Boring.
SIM	Selected Ion Monitoring.
SP	Soil Pile.
SVOCs	Semi Volatile Organic Compounds.
TACO	Tiered Approach to Corrective Action Objectives.
TICs	Tentatively Identified Compounds.
VOCs	Volatile Organic Compounds.

Values above the TACO Residential Standards are boldfaced.

Values above the TACO Construction Standards are shaded gray.

Values above the TACO Industrial/Commercial Standards are outlined.

Values above the TACO Soil Component of Groundwater Standard is red.

Values above the TACO Metropolitan Area Background Values are outlined.

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB041	SB042	SB043	SB044	SB045	SB046
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-41 (0-2) 20090628	SB-42 (0-2) 20090628	SB-43 (0-2) 20090628	SB-44 (0-2) 20090628	SB-45 (0-2) 20090629	SB-46 (0-2) 20090629
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Sample Date									Values	6/28/2009	6/28/2009	6/28/2009	6/28/2009	6/29/2009	6/29/2009
Chemical Name															
VOCs-8260															
1,1,1-Trichloroethane	mg/kg	NS	1,200	NS	1200	NS	1,200	2	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
1,1,2,2-Tetrachloroethane	mg/kg	310	2000	2000	2000	8200	2000	0.22	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1800	8,200	1,800	0.02	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
1,1-Dichloroethane	mg/kg	7,800	1300	200,000	130	200,000	1,700	23	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
1,1-Dichloroethylene	mg/kg	3,900	290	10,000	3	100,000	470	0.06	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
1,2-Dichloroethane	mg/kg	7	0.4	1,400	0.99	63	0.7	0.02	NS	< 0.0279	< 0.0281	< 0.0278	< 0.0299	< 0.0062	< 0.0057
1,2-Dichloropropane	mg/kg	9	15	1,800	0.5	84	23	0.03	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
Acetone	mg/kg	70,000	100,000	NS	100000	NS	100,000	25	NS	< 0.279	< 0.281	< 0.278	< 0.299	< 0.0248	< 0.0227
Benzene	mg/kg	12	0.8	2,300	2.2	100	1.6	0.03	NS	< 0.0279	< 0.0281	< 0.0278	< 0.0299	< 0.0062	< 0.0057
Bromodichloromethane	mg/kg	10	3,000	2,000	3000	92	3,000	0.6	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
Bromomethane	mg/kg	110	10	1,000	3.9	2,900	15	0.2	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
Carbon Disulfide	mg/kg	7,800	720	20,000	9	200,000	720	32	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	44	0.64	0.07	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	41,000	210	1	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
Chlorodibromomethane	mg/kg	1,600	1,300	41,000	1300	41,000	1,300	0.4	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
Chloroethane	mg/kg	NS	1500	NS	97	NS	1500	NS	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
Chloroform	mg/kg	100	0.3	2,000	0.76	940	0.54	0.6	NS	< 0.279	< 0.281	< 0.278	< 0.299	< 0.0062	< 0.0057
Chloromethane	mg/kg	NS	110	NS	11	NS	180	NS	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1200	20,000	1,200	0.4	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
cis-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
Dichloromethane	mg/kg	85	13	12,000	34	760	24	0.02	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
Ethanol	mg/kg	NS	NS	1000000	100000	1000000	100000	2300	NS	< 5.58	< 5.63	< 5.56	< 5.98	< 0.619	< 0.569
Ethylbenzene	mg/kg	7,800	400	20,000	58	200,000	400	13	NS	< 0.0279	< 0.0281	< 0.0278	< 0.0299	< 0.0062	< 0.0057
Methyl Ethyl Ketone (MEK)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.279	< 0.281	< 0.278	< 0.299	< 0.0062	< 0.0057
Methyl Isobutyl Ketone (MIBK)	mg/kg	NS	3100	NS	340	NS	3100	NS	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
Methyl N-butyl Ketone	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.279	< 0.281	< 0.278	< 0.299	< 0.0062	< 0.0057
Methyl tert-Butyl Ether (MTBE)	mg/kg	780	8800	2,000	140	20,000	8,800	0.32	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
Styrene (Monomer)	mg/kg	16,000	1500	41,000	430	410,000	1,500	4	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
Tetrachloroethene	mg/kg	12	11	2,400	28	110	20	0.06	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
Toluene	mg/kg	16,000	650	410,000	42	410,000	650	12	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3100	41,000	3,100	0.7	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
trans-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
Tribromomethane	mg/kg	81	53	16,000	140	720	100	0.8	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
Trichloroethylene	mg/kg	58	5	1,200	12	520	8.9	0.06	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	7.9	1.1	0.01	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0062	< 0.0057
Xylene, m&p-	mg/kg	16000	420	41000	5.9	410000	420	200	NS	< 0.0558	< 0.0563	< 0.0556	< 0.0598	< 0.0124	< 0.0114
Xylene, o-	mg/kg	16,000	410	41,000	6.5	410,000	410	190	NS	< 0.0279	< 0.0281	< 0.0278	< 0.0299	< 0.0062	< 0.0057
Xylene, total	mg/kg	16,000	320	41000	5.6	410000	320	150	NS	< 0.0837	< 0.0844	< 0.0833	< 0.0897	< 0.0186	< 0.0171
VOC-TICs-8260															
1,1'-Bicyclohexyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1,2-Dimethylcyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-1,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-4,6-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-4,7-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2 (1H) -Naphthalenone, Octahyd	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2-Methyl Butane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Hexane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NR	NR	NR	NR	NR	0.0105 NJ
Benzene, 1-(2-Butenyl)-2,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1,2-Diethyl-3,4-dim	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1,4-Diethyl-2Methyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1-ethyl-3-(1-Methyl)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Hexane	mg/kg	NS	290	NS	16	NS	290	NS	NS	NR	NR	NR	NR	NR	NR
Limonene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Methylcyclohexane	mg/kg	NS	120	NS	46	NS	120	NS	NS	NR	NR	NR	NR	NR	NR
Methyl-Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, tra	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
n-Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Nonane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Octamethylcyclotetrasiloxane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB041	SB042	SB043	SB044	SB045	SB046
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-41 (0-2) 20090628	SB-42 (0-2) 20090628	SB-43 (0-2) 20090628	SB-44 (0-2) 20090628	SB-45 (0-2) 20090629	SB-46 (0-2) 20090629
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Sample Date									Values	6/28/2009	6/28/2009	6/28/2009	6/28/2009	6/29/2009	6/29/2009
Chemical Name															
Octane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
SVOCs-8270															
1,2,4-Trichlorobenzene	mg/kg	780	3200	2,000	920	20,000	3,200	5	NS	NA	NA	NA	NA	NA	NA
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	180,000	560	17	NS	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	NS	11,000	NS	340	NS	17,000	2	NS	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/kg	7,800	NS	200,000	NS	200,000	NS	270	NS	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	520	390	0.2	NS	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	230	NS	610	NS	6,100	NS	1	NS	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	1,600	NS	41,000	NS	41,000	NS	9	NS	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	160	NS	410	NS	4,100	NS	0.2	NS	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0008	NS	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0007	NS	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/kg	6300	NS	160000	NS	160000	NS	49	NS	NA	NA	NA	NA	NA	NA
2-Chlorophenol	mg/kg	390	53,000	10,000	53000	10,000	53,000	4	NS	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/kg	230	35	610	3.6	6100	56	0.14	NS	NA	NA	NA	NA	NA	NA
2-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	mg/kg	1	NS	280	NS	13	NS	0.007	NS	NA	NA	NA	NA	NA	NA
3,5,5-Trimethyl-2-Cyclohexene-1-one	mg/kg	15,600	4,600	410,000	4600	410,000	4,600	8	NS	NA	NA	NA	NA	NA	NA
3-Nitroaniline	mg/kg	23	250	61	26	610	400	0.01	NS	NA	NA	NA	NA	NA	NA
4,6-Dinitro-o-Cresol	mg/kg	7.8	NS	820	NS	200	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Bromophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Chlorophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
4-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NA	NA	NA	NA	NA	NA
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	NA	NA	NA	NA	NA	NA
Benzyl Butyl Phthalate	mg/kg	16,000	930	410,000	930	410,000	930	930	NS	NA	NA	NA	NA	NA	NA
Bis (2-ethylhexyl) Phthalate	mg/kg	46	31,000	4,100	31000	410	31,000	3,600	NS	NA	NA	NA	NA	NA	NA
Bis(2-Chloroethoxy)methane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl)ether	mg/kg	0.6	0.2	75	0.66	5	0.47	0.0004	NS	NA	NA	NA	NA	NA	NA
Bis(2-chloroisopropyl)ether	mg/kg	3100	1300	8200	1300	82000	1300	2.4	NS	NA	NA	NA	NA	NA	NA
Carbazole	mg/kg	32	NS	6,200	NS	290	NS	0.6	NS	NA	NA	NA	NA	NA	NA
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	NA	NA	NA	NA	NA	NA
Dibenzofuran	mg/kg	NS	NS	820	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Diethyl Phthalate	mg/kg	63,000	2,000	1,000,000	2000	1,000,000	2,000	470	NS	NA	NA	NA	NA	NA	NA
Dimethyl Phthalate	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Di-n-butyl Phthalate	mg/kg	7,800	2,300	200,000	2300	200,000	2,300	2300	NS	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	NA	NA	NA	NA	NA	NA
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-Butadiene	mg/kg	78	150	200	72	2000	150	2.2	NS	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	4	1.8	2	NS	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.1	14,000	16	400	NS	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	78	NS	2,000	NS	2,000	NS	0.5	NS	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	NA	NA	NA	NA	NA	NA
M-Dichlorobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	NA	NA	NA	NA	NA	NA
Nitrobenzene	mg/kg	39	92	18	NS	0.8	NS	0.1	NS	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-propylamine	mg/kg	0.09	NS	1,000	9.4	1,000	140	0.00005	NS	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	130	NS	4,100	1.8	41,000	270	1	NS	NA	NA	NA	NA	NA	NA
o-cresol	mg/kg	3,900	NS	100,000	NS	100,000	NS	15	NS	NA	NA	NA	NA	NA	NA
Octyl Phthalate, di-n-	mg/kg	1,600	10,000	4,100	10000	41,000	10,000	10000	NS	NA	NA	NA	NA	NA	NA
P-Chloroaniline	mg/kg	310	NS	820	NS	8,200	NS	0.7	NS	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/kg	3	NS	520	NS	24	NS	0.03	NS	NA	NA	NA	NA	NA	NA
Percent Moisture	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB041	SB042	SB043	SB044	SB045	SB046
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-41 (0-2) 20090628	SB-42 (0-2) 20090628	SB-43 (0-2) 20090628	SB-44 (0-2) 20090628	SB-45 (0-2) 20090629	SB-46 (0-2) 20090629
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Sample Date									Values	6/28/2009	6/28/2009	6/28/2009	6/28/2009	6/29/2009	6/29/2009
Chemical Name															
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	NA	NA	NA	NA	NA	NA
Phenol	mg/kg	23,000	NS	61,000	NS	610,000	NS	100	NS	NA	NA	NA	NA	NA	NA
P-Nitroaniline	mg/kg	230	1000	610	110	6100	1600	0.1	NS	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	NA	NA	NA	NA	NA	NA
SVOCs-8270 SIM															
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NA	NA	NA	NA	NA	NA
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	NA	NA	NA	NA	NA	NA
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	NA	NA	NA	NA	NA	NA
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	NA	NA	NA	NA	NA	NA
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	NA	NA	NA	NA	NA	NA
Miscellaneous															
Percent Moisture	%	NS	NS	NS	NS	NS	NS	NS	NS	10.4	11.1	10	16.4	26.2	23.9

Notes:

Results are reported in milligrams per kilogram (mg/kg).

%	Percent.
ft-bgs	Feet Below Ground Surface.
J	Estimated Value.
NA	Not Analyzed.
NJ	TIC Estimated Value.
NR	Not Reported.
NS	No Standard.
SB	Soil Boring.
SIM	Selected Ion Monitoring.
SP	Soil Pile.
SVOCs	Semi Volatile Organic Compounds.
TACO	Tiered Approach to Corrective Action Objectives.
TICs	Tentatively Identified Compounds.
VOCs	Volatile Organic Compounds.

Values above the TACO Residential Standards are boldfaced.

Values above the TACO Construction Standards are shaded gray.

Values above the TACO Industrial/Commercial Standards are outlined.

Values above the TACO Soil Component of Groundwater Standard is red.

Values above the TACO Metropolitan Area Background Values are outlined.

Preliminary Level II Results - Pending Validation										SB047	SB047	SB048	SB049	SB050	SB051
Location ID	Unit	Residential Ingestion	Residential Inhalation	Construction Worker Ingestion	Construction Worker Inhalation	Industrial Commercial Ingestion	Industrial Commercial Inhalation	Soil Component of Groundwater Class I	Metropolitan Area Background Values	DUP-2 20090629	SB-47 (0-2) 20090629	SB-48 (0-2) 20090629	SB-49 (0-2) 20090629	SB-50 (0-2) 20090629	SB-51(0-2) 20090630
Sample Name										0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Depth Interval (ft-bgs)										6/29/2009	6/29/2009	6/29/2009	6/29/2009	6/29/2009	6/30/2009
Sample Date															
Chemical Name															
VOCs-8260															
1,1,1-Trichloroethane	mg/kg	NS	1,200	NS	1200	NS	1,200	2	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
1,1,2,2-Tetrachloroethane	mg/kg	310	2000	2000	2000	8200	2000	0.22	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1800	8,200	1,800	0.02	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
1,1-Dichloroethane	mg/kg	7,800	1300	200,000	130	200,000	1,700	23	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
1,1-Dichloroethylene	mg/kg	3,900	290	10,000	3	100,000	470	0.06	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
1,2-Dichloroethane	mg/kg	7	0.4	1,400	0.99	63	0.7	0.02	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
1,2-Dichloropropane	mg/kg	9	15	1,800	0.5	84	23	0.03	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Acetone	mg/kg	70,000	100,000	NS	100000	NS	100,000	25	NS	< 0.0194	< 0.0207	< 0.0196	0.0327	0.0392	< 0.0232
Benzene	mg/kg	12	0.8	2,300	2.2	100	1.6	0.03	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Bromodichloromethane	mg/kg	10	3,000	2,000	3000	92	3,000	0.6	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Bromomethane	mg/kg	110	10	1,000	3.9	2,900	15	0.2	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Carbon Disulfide	mg/kg	7,800	720	20,000	9	200,000	720	32	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	44	0.64	0.07	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	41,000	210	1	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Chlorodibromomethane	mg/kg	1,600	1,300	41,000	1300	41,000	1,300	0.4	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Chloroethane	mg/kg	NS	1500	NS	97	NS	1500	NS	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Chloroform	mg/kg	100	0.3	2,000	0.76	940	0.54	0.6	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Chloromethane	mg/kg	NS	110	NS	11	NS	180	NS	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1200	20,000	1,200	0.4	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
cis-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Dichloromethane	mg/kg	85	13	12,000	34	760	24	0.02	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Ethanol	mg/kg	NS	NS	1000000	100000	1000000	100000	2300	NS	< 0.484	< 0.519	< 0.489	17.5	< 0.55	< 0.0058
Ethylbenzene	mg/kg	7,800	400	20,000	58	200,000	400	13	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Methyl Ethyl Ketone (MEK)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.0048	< 0.0052	< 0.0049	0.0142	< 0.0055	< 0.0058
Methyl Isobutyl Ketone (MIBK)	mg/kg	NS	3100	NS	340	NS	3100	NS	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Methyl N-butyl Ketone	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Methyl tert-Butyl Ether (MTBE)	mg/kg	780	8800	2,000	140	20,000	8,800	0.32	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Styrene (Monomer)	mg/kg	16,000	1500	41,000	430	410,000	1,500	4	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Tetrachloroethene	mg/kg	12	11	2,400	28	110	20	0.06	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Toluene	mg/kg	16,000	650	410,000	42	410,000	650	12	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3100	41,000	3,100	0.7	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
trans-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Tribromomethane	mg/kg	81	53	16,000	140	720	100	0.8	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Trichloroethylene	mg/kg	58	5	1,200	12	520	8.9	0.06	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	7.9	1.1	0.01	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Xylene, m&p-	mg/kg	16000	420	41000	5.9	410000	420	200	NS	< 0.0097	< 0.0104	< 0.0098	< 0.0103	< 0.011	< 0.0116
Xylene, o-	mg/kg	16,000	410	41,000	6.5	410,000	410	190	NS	< 0.0048	< 0.0052	< 0.0049	< 0.0051	< 0.0055	< 0.0058
Xylene, total	mg/kg	16,000	320	41000	5.6	410000	320	150	NS	< 0.0145	< 0.0156	< 0.0147	< 0.0154	< 0.0165	< 0.0174
VOC-TICs-8260															
1,1'-Bicyclohexyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1,2-Dimethylcyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-1,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-4,6-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-4,7-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2 (1H) -Naphthalenone, Octahyd	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
2-Methyl Butane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	0.0101 NJ	NR	NR
2-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	0.0155 NJ	NR	NR
3-Methyl Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
3-Methyl Hexane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	0.0064 NJ	NR	NR
3-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	0.00635 NJ	NR	NR
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NR	NR	NR	NR	NR	NR
Benzene, 1-(2-Butenyl)-2,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1,2-Diethyl-3,4-dim	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1,4-Diethyl-2Methyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Benzene, 1-ethyl-3-(1-Methyl)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Hexane	mg/kg	NS	290	NS	16	NS	290	NS	NS	NR	NR	NR	0.0158 NJ	NR	NR
Limonene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Methylcyclohexane	mg/kg	NS	120	NS	46	NS	120	NS	NS	NR	NR	NR	0.0151 NJ	NR	NR
Methyl-Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, tra	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
n-Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	0.0102 NJ	NR	NR
Nonane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Octamethylcyclotetrasiloxane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	0.00623 NJ

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB047	SB047	SB048	SB049	SB050	SB051
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	DUP-2 20090629	SB-47 (0-2) 20090629	SB-48 (0-2) 20090629	SB-49 (0-2) 20090629	SB-50 (0-2) 20090629	SB-51(0-2) 20090630
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Sample Date									Values	6/29/2009	6/29/2009	6/29/2009	6/29/2009	6/29/2009	6/30/2009
Chemical Name															
Octane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	0.0145 NJ	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR
SVOCs-8270															
1,2,4-Trichlorobenzene	mg/kg	780	3200	2,000	920	20,000	3,200	5	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	NA	NA	NA	< 0.213	< 0.218	< 0.215
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	180,000	560	17	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
1,4-Dichlorobenzene	mg/kg	NS	11,000	NS	340	NS	17,000	2	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
2,4,5-Trichlorophenol	mg/kg	7,800	NS	200,000	NS	200,000	NS	270	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	520	390	0.2	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
2,4-Dichlorophenol	mg/kg	230	NS	610	NS	6,100	NS	1	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
2,4-Dimethylphenol	mg/kg	1,600	NS	41,000	NS	41,000	NS	9	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
2,4-Dinitrophenol	mg/kg	160	NS	410	NS	4,100	NS	0.2	NS	NA	NA	NA	< 0.849	< 0.87	< 0.857
2,4-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0008	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
2,6-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0007	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
2-Chloronaphthalene	mg/kg	6300	NS	160000	NS	160000	NS	49	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
2-Chlorophenol	mg/kg	390	53,000	10,000	53000	10,000	53,000	4	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
2-Methylnaphthalene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
2-Nitroaniline	mg/kg	230	35	610	3.6	6100	56	0.14	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
2-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
3,3-Dichlorobenzidine	mg/kg	1	NS	280	NS	13	NS	0.007	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
3,5,5-Trimethyl-2-Cyclohexene-1-one	mg/kg	15,600	4,600	410,000	4600	410,000	4,600	8	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
3-Nitroaniline	mg/kg	23	250	61	26	610	400	0.01	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
4,6-Dinitro-o-Cresol	mg/kg	7.8	NS	820	NS	200	NS	NS	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
4-Bromophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
4-Chloro-3-methylphenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
4-Chlorophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
4-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NA	NA	NA	< 0.213	< 0.218	< 0.215
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	NA	NA	NA	< 0.213	< 0.218	< 0.215
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	NA	NA	NA	< 0.213	< 0.218	< 0.215
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	NA	NA	NA	< 0.213	< 0.218	< 0.215
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	NA	NA	NA	< 0.213	< 0.218	< 0.215
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	NA	NA	NA	< 0.213	< 0.218	< 0.215
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	NA	NA	NA	< 0.213	< 0.218	< 0.215
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	NA	NA	NA	< 0.213	< 0.218	< 0.215
Benzyl Butyl Phthalate	mg/kg	16,000	930	410,000	930	410,000	930	930	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
Bis (2-ethylhexyl) Phthalate	mg/kg	46	31,000	4,100	31000	410	31,000	3,600	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
Bis(2-Chloroethoxy)methane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
Bis(2-chloroethyl)ether	mg/kg	0.6	0.2	75	0.66	5	0.47	0.0004	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
Bis(2-chloroisopropyl)ether	mg/kg	3100	1300	8200	1300	82000	1300	2.4	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
Carbazole	mg/kg	32	NS	6,200	NS	290	NS	0.6	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	NA	NA	NA	< 0.213	< 0.218	< 0.215
Dibenzofuran	mg/kg	NS	NS	820	NS	NS	NS	NS	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
Diethyl Phthalate	mg/kg	63,000	2,000	1,000,000	2000	1,000,000	2,000	470	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
Dimethyl Phthalate	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
Di-n-butyl Phthalate	mg/kg	7,800	2,300	200,000	2300	200,000	2,300	2300	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	NA	NA	NA	< 0.213	< 0.218	< 0.215
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	NA	NA	NA	< 0.213	< 0.218	< 0.215
Hexachloro-1,3-Butadiene	mg/kg	78	150	200	72	2000	150	2.2	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	4	1.8	2	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.1	14,000	16	400	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
Hexachloroethane	mg/kg	78	NS	2,000	NS	2,000	NS	0.5	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	NA	NA	NA	< 0.213	< 0.218	0.239
M-Dichlorobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	NA	NA	NA	< 0.213	< 0.218	< 0.215
Nitrobenzene	mg/kg	39	92	18	NS	0.8	NS	0.1	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
N-Nitrosodi-n-propylamine	mg/kg	0.09	NS	1,000	9.4	1,000	140	0.00005	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
N-Nitrosodiphenylamine	mg/kg	130	NS	4,100	1.8	41,000	270	1	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
o-cresol	mg/kg	3,900	NS	100,000	NS	100,000	NS	15	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
Octyl Phthalate, di-n-	mg/kg	1,600	10,000	4,100	10000	41,000	10,000	10000	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
P-Chloroaniline	mg/kg	310	NS	820	NS	8,200	NS	0.7	NS	NA	NA	NA	< 0.424	< 0.435	< 0.428
Pentachlorophenol	mg/kg	3	NS	520	NS	24	NS	0.03	NS	NA	NA	NA	< 1.06	< 1.09	< 1.07
Percent Moisture	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB047	SB047	SB048	SB049	SB050	SB051
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	DUP-2 20090629	SB-47 (0-2) 20090629	SB-48 (0-2) 20090629	SB-49 (0-2) 20090629	SB-50 (0-2) 20090629	SB-51(0-2) 20090630
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Sample Date									Values	6/29/2009	6/29/2009	6/29/2009	6/29/2009	6/29/2009	6/30/2009
Chemical Name															
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	NA	NA	NA	< 0.213	< 0.218	< 0.215
Phenol	mg/kg	23,000	NS	61,000	NS	610,000	NS	100	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
P-Nitroaniline	mg/kg	230	1000	610	110	6100	1600	0.1	NS	NA	NA	NA	< 0.213	< 0.218	< 0.215
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	NA	NA	NA	< 0.213	< 0.218	< 0.215
SVOCs-8270 SIM															
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	NA	NA	NA	< 0.0212	< 0.0218	0.328
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NA	NA	NA	< 0.0212	< 0.0218	< 0.0214
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	NA	NA	NA	< 0.0212	< 0.0218	< 0.0214
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	NA	NA	NA	< 0.0212	< 0.0218	0.107
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	NA	NA	NA	< 0.0212	< 0.0218	0.259
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	NA	NA	NA	< 0.0212	< 0.0218	0.317
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	NA	NA	NA	< 0.0212	< 0.0218	0.38
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	NA	NA	NA	< 0.0212	< 0.0218	0.21
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	NA	NA	NA	< 0.0212	< 0.0218	0.302
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	NA	NA	NA	< 0.0212	< 0.0218	0.0717
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	NA	NA	NA	0.0323	< 0.0218	0.824
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	NA	NA	NA	< 0.0212	< 0.0218	0.0228
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	NA	NA	NA	< 0.0212	< 0.0218	0.192
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	NA	NA	NA	< 0.0212	< 0.0218	< 0.0214
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	NA	NA	NA	0.0303	< 0.0218	0.407
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	NA	NA	NA	0.0221	< 0.0218	0.604
Miscellaneous															
Percent Moisture	%	NS	NS	NS	NS	NS	NS	NS	NS	20.6	21.9	19.7	21.4	23.4	22.2

Notes:

Results are reported in milligrams per kilogram (mg/kg).

%	Percent.
ft-bgs	Feet Below Ground Surface.
J	Estimated Value.
NA	Not Analyzed.
NJ	TIC Estimated Value.
NR	Not Reported.
NS	No Standard.
SB	Soil Boring.
SIM	Selected Ion Monitoring.
SP	Soil Pile.
SVOCs	Semi Volatile Organic Compounds.
TACO	Tiered Approach to Corrective Action Objectives.
TICs	Tentatively Identified Compounds.
VOCs	Volatile Organic Compounds.

Values above the TACO Residential Standards are boldfaced.

Values above the TACO Construction Standards are shaded gray.

Values above the TACO Industrial/Commercial Standards are outlined.

Values above the TACO Soil Component of Groundwater Standard is red.

Values above the TACO Metropolitan Area Background Values are outlined.

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB052	SB053	SB053	SB054	SB055	SP001	SP002
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-52(0-2) 20090630	DUP-3 20090630	SB-53(0-2) 20090630	SB-54(0-2) 20090630	SB-55(0-2) 20090630	SP-1 20090629	SP-2 20090629
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2		
Sample Date									Values	6/30/2009	6/30/2009	6/30/2009	6/30/2009	6/30/2009	6/29/2009	6/29/2009
Chemical Name																
VOCs-8260																
1,1,1-Trichloroethane	mg/kg	NS	1,200	NS	1200	NS	1,200	2	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
1,1,2,2-Tetrachloroethane	mg/kg	310	2000	2000	2000	8200	2000	0.22	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
1,1,2-Trichloroethane	mg/kg	310	1,800	8,200	1800	8,200	1,800	0.02	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
1,1-Dichloroethane	mg/kg	7,800	1300	200,000	130	200,000	1,700	23	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
1,1-Dichloroethylene	mg/kg	3,900	290	10,000	3	100,000	470	0.06	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
1,2-Dichloroethane	mg/kg	7	0.4	1,400	0.99	63	0.7	0.02	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
1,2-Dichloropropane	mg/kg	9	15	1,800	0.5	84	23	0.03	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Acetone	mg/kg	70,000	100,000	NS	100000	NS	100,000	25	NS	< 0.0232	0.0462	0.0531	< 0.0253	< 0.0246	0.0275	0.028
Benzene	mg/kg	12	0.8	2,300	2.2	100	1.6	0.03	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Bromodichloromethane	mg/kg	10	3,000	2,000	3000	92	3,000	0.6	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Bromomethane	mg/kg	110	10	1,000	3.9	2,900	15	0.2	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Carbon Disulfide	mg/kg	7,800	720	20,000	9	200,000	720	32	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Carbon Tetrachloride	mg/kg	5	0.3	410	0.9	44	0.64	0.07	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Chlorobenzene	mg/kg	1,600	130	4,100	1.3	41,000	210	1	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Chlorodibromomethane	mg/kg	1,600	1,300	41,000	1300	41,000	1,300	0.4	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Chloroethane	mg/kg	NS	1500	NS	97	NS	1500	NS	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Chloroform	mg/kg	100	0.3	2,000	0.76	940	0.54	0.6	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Chloromethane	mg/kg	NS	110	NS	11	NS	180	NS	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
cis-1,2-Dichloroethene	mg/kg	780	1,200	20,000	1200	20,000	1,200	0.4	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
cis-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Dichloromethane	mg/kg	85	13	12,000	34	760	24	0.02	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Ethanol	mg/kg	NS	NS	1000000	100000	1000000	100000	2300	NS	< 0.579	< 0.521	< 0.487	< 0.634	< 0.616	< 0.472	< 0.463
Ethylbenzene	mg/kg	7,800	400	20,000	58	200,000	400	13	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Methyl Ethyl Ketone (MEK)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.0058	< 0.0052	0.0052	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Methyl Isobutyl Ketone (MIBK)	mg/kg	NS	3100	NS	340	NS	3100	NS	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Methyl N-butyl Ketone	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Methyl tert-Butyl Ether (MTBE)	mg/kg	780	8800	2,000	140	20,000	8,800	0.32	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Styrene (Monomer)	mg/kg	16,000	1500	41,000	430	410,000	1,500	4	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Tetrachloroethene	mg/kg	12	11	2,400	28	110	20	0.06	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Toluene	mg/kg	16,000	650	410,000	42	410,000	650	12	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
trans-1,2-Dichloroethene	mg/kg	1,600	3,100	41,000	3100	41,000	3,100	0.7	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
trans-1,3-Dichloropropene	mg/kg	6.4	1.1	1200	0.39	57	2.1	0.004	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Tribromomethane	mg/kg	81	53	16,000	140	720	100	0.8	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Trichloroethylene	mg/kg	58	5	1,200	12	520	8.9	0.06	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Vinyl Chloride	mg/kg	0.46	0.28	170	1.1	7.9	1.1	0.01	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Xylene, m&p-	mg/kg	16000	420	41000	5.9	410000	420	200	NS	< 0.0116	< 0.0104	< 0.0097	< 0.0127	< 0.0123	< 0.0094	< 0.0093
Xylene, o-	mg/kg	16,000	410	41,000	6.5	410,000	410	190	NS	< 0.0058	< 0.0052	< 0.0049	< 0.0063	< 0.0062	< 0.0047	< 0.0046
Xylene, total	mg/kg	16,000	320	41000	5.6	410000	320	150	NS	< 0.0174	< 0.0156	< 0.0146	< 0.019	< 0.0185	< 0.0142	< 0.0139
VOC-TICs-8260																
1,1'-Bicyclohexyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	0.00554 NJ	NR
1,2-Dimethylcyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR
1H-Indene, 2,3-Dihydro-1,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	0.00506 NJ	NR
1H-Indene, 2,3-Dihydro-4,6-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	0.00654 NJ	NR
1H-Indene, 2,3-Dihydro-4,7-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	0.00803 NJ	NR
2 (1H) -Naphthalenone, Octahyd	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	0.00532 NJ	NR
2-Methyl Butane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	0.00926 NJ	NR	NR	NR	NR	NR	NR
2-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	0.00858 NJ	NR	NR	NR	NR	NR	NR
3-Methyl Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR
3-Methyl Hexane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR
3-Methyl Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	NR	NR	NR	NR	NR	NR	NR
Benzene, 1-(2-Butenyl)-2,3-D	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR
Benzene, 1,2-Diethyl-3,4-dim	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR
Benzene, 1,4-Diethyl-2Methyl	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR
Benzene, 1-ethyl-3-(1-Methyl)	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR
Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR
Hexane	mg/kg	NS	290	NS	16	NS	290	NS	NS	0.00479 NJ	NR	NR	NR	NR	NR	NR
Limonene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	0.0105 NJ	NR
Methylcyclohexane	mg/kg	NS	120	NS	46	NS	120	NS	NS	0.00743 NJ	NR	0.00727 NJ	NR	NR	NR	NR
Methyl-Cyclopentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	0.00493 NJ	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, met	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-, tra	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR
n-Heptane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR
Nonane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR
Octamethylcyclotetrasiloxane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	0.00487 NJ	NR	NR	NR

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB052	SB053	SB053	SB054	SB055	SP001	SP002
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-52(0-2) 20090630	DUP-3 20090630	SB-53(0-2) 20090630	SB-54(0-2) 20090630	SB-55(0-2) 20090630	SP-1 20090629	SP-2 20090629
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2		
Sample Date									Values	6/30/2009	6/30/2009	6/30/2009	6/30/2009	6/30/2009	6/29/2009	6/29/2009
Chemical Name																
Octane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR
Pentane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	0.0114 NJ	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	0.00759 J	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR
Unknown	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR
SVOCs-8270																
1,2,4-Trichlorobenzene	mg/kg	780	3200	2,000	920	20,000	3,200	5	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
1,2-Dichlorobenzene	mg/kg	7,000	560	18,000	310	180,000	560	17	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
1,4-Dichlorobenzene	mg/kg	NS	11,000	NS	340	NS	17,000	2	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
2,4,5-Trichlorophenol	mg/kg	7,800	NS	200,000	NS	200,000	NS	270	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
2,4,6-Trichlorophenol	mg/kg	58	200	11,000	540	520	390	0.2	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
2,4-Dichlorophenol	mg/kg	230	NS	610	NS	6,100	NS	1	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
2,4-Dimethylphenol	mg/kg	1,600	NS	41,000	NS	41,000	NS	9	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
2,4-Dinitrophenol	mg/kg	160	NS	410	NS	4,100	NS	0.2	NS	< 0.877	< 0.81	< 0.781	< 0.921	< 0.914	< 0.799	< 0.822
2,4-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0008	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
2,6-Dinitrotoluene	mg/kg	0.9	NS	180	NS	8.4	NS	0.0007	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
2-Chloronaphthalene	mg/kg	6300	NS	160000	NS	160000	NS	49	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
2-Chlorophenol	mg/kg	390	53,000	10,000	53000	10,000	53,000	4	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
2-Methylnaphthalene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
2-Nitroaniline	mg/kg	230	35	610	3.6	6100	56	0.14	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
2-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
3,3-Dichlorobenzidine	mg/kg	1	NS	280	NS	13	NS	0.007	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
3,5,5-Trimethyl-2-Cyclohexene-1-one	mg/kg	15,600	4,600	410,000	4600	410,000	4,600	8	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
3-Nitroaniline	mg/kg	23	250	61	26	610	400	0.01	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
4,6-Dinitro-o-Cresol	mg/kg	7.8	NS	820	NS	200	NS	NS	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
4-Bromophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
4-Chloro-3-methylphenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
4-Chlorophenyl Phenyl Ether	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
4-Nitrophenol	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Benzyl Butyl Phthalate	mg/kg	16,000	930	410,000	930	410,000	930	930	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Bis (2-ethylhexyl) Phthalate	mg/kg	46	31,000	4,100	31000	410	31,000	3,600	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Bis(2-Chloroethoxy)methane	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Bis(2-chloroethyl)ether	mg/kg	0.6	0.2	75	0.66	5	0.47	0.0004	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Bis(2-chloroisopropyl)ether	mg/kg	3100	1300	8200	1300	82000	1300	2.4	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Carbazole	mg/kg	32	NS	6,200	NS	290	NS	0.6	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Dibenzofuran	mg/kg	NS	NS	820	NS	NS	NS	NS	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Diethyl Phthalate	mg/kg	63,000	2,000	1,000,000	2000	1,000,000	2,000	470	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Dimethyl Phthalate	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Di-n-butyl Phthalate	mg/kg	7,800	2,300	200,000	2300	200,000	2,300	2300	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	< 0.22	0.255	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Hexachloro-1,3-Butadiene	mg/kg	78	150	200	72	2000	150	2.2	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Hexachlorobenzene	mg/kg	0.4	1	78	2.6	4	1.8	2	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Hexachlorocyclopentadiene	mg/kg	550	10	14,000	1.1	14,000	16	400	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Hexachloroethane	mg/kg	78	NS	2,000	NS	2,000	NS	0.5	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	< 0.22	0.216	< 0.196	0.251	0.251	< 0.2	< 0.206
M-Dichlorobenzene	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Nitrobenzene	mg/kg	39	92	18	NS	0.8	NS	0.1	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
N-Nitrosodi-n-propylamine	mg/kg	0.09	NS	1,000	9.4	1,000	140	0.00005	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
N-Nitrosodiphenylamine	mg/kg	130	NS	4,100	1.8	41,000	270	1	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
o-cresol	mg/kg	3,900	NS	100,000	NS	100,000	NS	15	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Octyl Phthalate, di-n-	mg/kg	1,600	10,000	4,100	10000	41,000	10,000	10000	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
P-Chloroaniline	mg/kg	310	NS	820	NS	8,200	NS	0.7	NS	< 0.438	< 0.404	< 0.39	< 0.46	< 0.456	< 0.399	< 0.41
Pentachlorophenol	mg/kg	3	NS	520	NS	24	NS	0.03	NS	< 1.1	< 1.01	< 0.976	< 1.15	< 1.14	< 0.998	< 1.03
Percent Moisture	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	< 0.22	< 0.203	< 0.196	0.65	< 0.229	< 0.2	< 0.206

Table 2 - Soil Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Residential	Residential	Construction	Construction	Industrial	Industrial	Soil Component	Metropolitan	SB052	SB053	SB053	SB054	SB055	SP001	SP002
Sample Name	Unit	Ingestion	Inhalation	Worker	Worker	Commercial	Commercial	of Groundwater	Area	SB-52(0-2) 20090630	DUP-3 20090630	SB-53(0-2) 20090630	SB-54(0-2) 20090630	SB-55(0-2) 20090630	SP-1 20090629	SP-2 20090629
Depth Interval (ft-bgs)				Ingestion	Inhalation	Ingestion	Inhalation	Class I	Background	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2		
Sample Date									Values	6/30/2009	6/30/2009	6/30/2009	6/30/2009	6/30/2009	6/29/2009	6/29/2009
Chemical Name																
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Phenol	mg/kg	23,000	NS	61,000	NS	610,000	NS	100	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
P-Nitroaniline	mg/kg	230	1000	610	110	6100	1600	0.1	NS	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	< 0.22	< 0.203	< 0.196	< 0.231	< 0.229	< 0.2	< 0.206
SVOCs-8270 SIM																
1,2-Benzphenanthracene	mg/kg	88	NS	17,000	NS	780	NS	160	2.7	0.0249	0.0321	0.0196	0.035	0.0234	< 0.02	< 0.0205
Acenaphthene	mg/kg	4,700	NS	120,000	NS	120,000	NS	570	0.13	< 0.0219	< 0.0202	< 0.0195	< 0.023	< 0.0228	< 0.02	< 0.0205
Acenaphthylene	mg/kg	2300	NS	61000	NS	61000	NS	85	0.07	< 0.0219	< 0.0202	< 0.0195	< 0.023	< 0.0228	< 0.02	< 0.0205
Anthracene	mg/kg	23,000	NS	610,000	NS	610,000	NS	12000	0.4	< 0.0219	< 0.0202	< 0.0195	< 0.023	< 0.0228	< 0.02	< 0.0205
Benzo(a)anthracene	mg/kg	0.9	NS	170	NS	8	NS	2	1.8	< 0.0219	0.0241	< 0.0195	< 0.023	< 0.0228	< 0.02	< 0.0205
Benzo(a)pyrene	mg/kg	0.09	NS	17	NS	0.8	NS	8	2.1	< 0.0219	0.027	< 0.0195	0.03	< 0.0228	< 0.02	< 0.0205
Benzo(b)fluoranthene	mg/kg	0.9	NS	170	NS	8	NS	5	2.1	< 0.0219	0.0289	< 0.0195	0.0348	< 0.0228	< 0.02	< 0.0205
Benzo(ghi)perylene	mg/kg	2300	NS	61000	NS	61000	NS	27000	1.7	< 0.0219	0.0207	< 0.0195	0.0253	< 0.0228	< 0.02	< 0.0205
Benzo(k)fluoranthene	mg/kg	9	NS	1,700	NS	78	NS	49	1.7	< 0.0219	0.0275	< 0.0195	0.0315	< 0.0228	< 0.02	< 0.0205
Dibenz(ah)anthracene	mg/kg	0.09	NS	17	NS	0.8	NS	2	0.42	< 0.0219	< 0.0202	< 0.0195	< 0.023	< 0.0228	< 0.02	< 0.0205
Fluoranthene	mg/kg	3,100	NS	82,000	NS	82,000	NS	4300	4.1	0.0417	0.0609	0.0317	0.0529	0.0373	< 0.02	< 0.0205
Fluorene	mg/kg	3,100	NS	82,000	NS	82,000	NS	560	0.18	< 0.0219	< 0.0202	< 0.0195	< 0.023	< 0.0228	< 0.02	< 0.0205
Indeno(1,2,3-c,d)pyrene	mg/kg	0.9	NS	170	NS	8	NS	14	1.6	< 0.0219	< 0.0202	< 0.0195	< 0.023	< 0.0228	< 0.02	< 0.0205
Naphthalene	mg/kg	1,600	170	25,000	1.8	1,200	270	12	0.2	< 0.0219	< 0.0202	< 0.0195	< 0.023	< 0.0228	< 0.02	< 0.0205
Phenanthrene	mg/kg	2300	NS	61000	NS	61000	NS	200	2.5	0.039	0.0264	< 0.0195	< 0.023	< 0.0228	< 0.02	< 0.0205
Pyrene	mg/kg	2,300	NS	61,000	NS	61,000	NS	4200	3	0.0362	0.0513	0.0272	0.0432	0.0293	< 0.02	< 0.0205
Miscellaneous																
Percent Moisture	%	NS	NS	NS	NS	NS	NS	NS	NS	24	17.7	14.6	27.6	27	16.5	18.8

Notes:

Results are reported in milligrams per kilogram (mg/kg).

%	Percent.
ft-bgs	Feet Below Ground Surface.
J	Estimated Value.
NA	Not Analyzed.
NJ	TIC Estimated Value.
NR	Not Reported.
NS	No Standard.
SB	Soil Boring.
SIM	Selected Ion Monitoring.
SP	Soil Pile.
SVOCs	Semi Volatile Organic Compounds.
TACO	Tiered Approach to Corrective Action Objectives.
TICs	Tentatively Identified Compounds.
VOCs	Volatile Organic Compounds.

Values above the TACO Residential Standards are boldfaced.

Values above the TACO Construction Standards are shaded gray.

Values above the TACO Industrial/Commercial Standards are outlined.

Values above the TACO Soil Component of Groundwater Standard is red.

Values above the TACO Metropolitan Area Background Values are outlined.

Table 3 - Water Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Groundwater	Groundwater	Groundwater	Groundwater	MW001	MW001	MW002	MW003	MW003	MW004	MW005	MW006
Sample Name		Class I	Class II	Ingestion	Ingestion	MW-1 20090628	MW-1 20090629	MW-2 20090630	MW-3 20090630	GW-DUP-1 20090630	MW-4 20090630	MW-5 20090630	MW-6 20090630
Sample Date		TACO	TACO	Class I	Class II	6/28/2009	6/29/2009	6/30/2009	6/30/2009	6/30/2009	6/30/2009	6/30/2009	6/30/2009
Chemical Name	Unit												
VOCs-8260													
1,1,1-Trichloroethane	mg/l	0.2	1	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1,1,2,2-Tetrachloroethane	mg/l	NS	NS	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1,1,2-Trichloroethane	mg/l	0.005	0.05	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1,1-Dichloroethane	mg/l	0.7	3.5	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1,1-Dichloroethylene	mg/l	0.007	0.035	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1,2-Dichloroethane	mg/l	0.005	0.025	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
1,2-Dichloropropane	mg/l	0.005	0.025	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Acetone	mg/l	6.3	6.3	NS	NS	NA	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Benzene	mg/l	0.005	0.025	NS	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Bromodichloromethane	mg/l	0.0002	0.0002	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Bromomethane	mg/l	0.0098	0.049	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Carbon Disulfide	mg/l	0.7	3.5	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Carbon Tetrachloride	mg/l	0.005	0.025	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chlorobenzene	mg/l	0.1	0.5	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chlorodibromomethane	mg/l	0.14	0.14	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chloroethane	mg/l	NS	NS	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Chloroform	mg/l	0.0002	0.001	NS	NS	NA	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chloromethane	mg/l	NS	NS	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
cis-1,2-Dichloroethene	mg/l	0.07	0.2	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
cis-1,3-Dichloropropene	mg/l	NS	NS	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Dichloromethane	mg/l	0.005	0.05	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Ethanol	mg/l	NS	NS	571	571	NA	< 0.2	< 0.2	< 0.2	< 0.2	0.364	< 0.2	< 0.2
Ethylbenzene	mg/l	0.7	1	NS	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Methyl Ethyl Ketone (MEK)	mg/l	NS	NS	NS	NS	NA	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Methyl Isobutyl Ketone (MIBK)	mg/l	NS	NS	NS	NS	NA	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl N-butyl Ketone	mg/l	NS	NS	NS	NS	NA	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl tert-Butyl Ether (MTBE)	mg/l	0.07	0.07	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Styrene (Monomer)	mg/l	0.1	0.5	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Tetrachloroethene	mg/l	0.005	0.025	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	mg/l	1	2.5	NS	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
trans-1,2-Dichloroethene	mg/l	0.1	0.5	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
trans-1,3-Dichloropropene	mg/l	NS	NS	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Tribromomethane	mg/l	0.001	0.001	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Trichloroethylene	mg/l	0.005	0.025	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vinyl Chloride	mg/l	0.002	0.01	NS	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Xylene, m&p-	mg/l	NS	NS	NS	NS	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Xylene, o-	mg/l	NS	NS	NS	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Xylene, total	mg/l	NS	NS	NS	NS	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
SVOCs-8270													
1,2,4-Trichlorobenzene	mg/l	0.07	0.7	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
1,2-Benzphenanthracene	mg/l	0.0015	0.0075	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
1,2-Dichlorobenzene	mg/l	0.6	1.5	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
1,4-Dichlorobenzene	mg/l	0.075	0.375	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
2,4,5-Trichlorophenol	mg/l	0.7	3.5	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
2,4,6-Trichlorophenol	mg/l	0.01	0.05	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
2,4-Dichlorophenol	mg/l	0.021	0.021	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
2,4-Dimethylphenol	mg/l	0.14	0.14	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
2,4-Dinitrophenol	mg/l	0.014	0.014	NS	NS	NA	< 0.0189	< 0.01	< 0.0099	< 0.0101	< 0.0097	< 0.0098	< 0.0098
2,4-Dinitrotoluene	mg/l	0.00002	0.00002	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
2,6-Dinitrotoluene	mg/l	0.00031	0.00031	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
2-Chloronaphthalene	mg/l	NS	NS	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
2-Chlorophenol	mg/l	0.035	0.175	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
2-Methylnaphthalene	mg/l	NS	NS	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
2-Nitroaniline	mg/l	NS	NS	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049

Table 3 - Water Analytical Results, CC& P Perryville, Illinois Derailment, MP 80.1
Preliminary Level II Results - Pending Validation

Location ID		Groundwater	Groundwater	Groundwater	Groundwater	MW001	MW001	MW002	MW003	MW003	MW004	MW005	MW006
Sample Name		Class I	Class II	Ingestion	Ingestion	MW-1 20090628	MW-1 20090629	MW-2 20090630	MW-3 20090630	GW-DUP-1 20090630	MW-4 20090630	MW-5 20090630	MW-6 20090630
Sample Date		TACO	TACO	Class I	Class II	6/28/2009	6/29/2009	6/30/2009	6/30/2009	6/30/2009	6/30/2009	6/30/2009	6/30/2009
Chemical Name	Unit												
2-Nitrophenol	mg/l	NS	NS	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
3,3-Dichlorobenzidine	mg/l	0.02	0.1	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
3,5,5-Trimethyl-2-Cyclohexene-1-one	mg/l	1.4	1.4	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
3-Nitroaniline	mg/l	NS	NS	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
4,6-Dinitro-o-Cresol	mg/l	NS	NS	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
4-Bromophenyl Phenyl Ether	mg/l	NS	NS	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
4-Chloro-3-methylphenol	mg/l	NS	NS	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
4-Chlorophenyl Phenyl Ether	mg/l	NS	NS	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
4-Nitrophenol	mg/l	NS	NS	NS	NS	NA	< 0.0189	< 0.01	< 0.0099	< 0.0101	< 0.0097	< 0.0098	< 0.0098
Acenaphthene	mg/l	NS	NS	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Acenaphthylene	mg/l	NS	NS	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Anthracene	mg/l	2.1	10.5	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Benzo(a)anthracene	mg/l	0.00013	0.00065	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Benzo(a)pyrene	mg/l	0.0002	0.002	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Benzo(b)fluoranthene	mg/l	0.00018	0.0009	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Benzo(ghi)perylene	mg/l	NS	NS	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Benzo(k)fluoranthene	mg/l	0.00017	0.00085	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Benzyl Butyl Phthalate	mg/l	1.4	7	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Bis (2-ethylhexyl) Phthalate	mg/l	0.006	0.06	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Bis(2-Chloroethoxy)methane	mg/l	NS	NS	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Bis(2-chloroethyl)ether	mg/l	0.01	0.01	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Bis(2-chloroisopropyl)ether	mg/l	NS	NS	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Carbazole	mg/l	NS	NS	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Dibenz(ah)anthracene	mg/l	0.0003	0.0015	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Dibenzofuran	mg/l	NS	NS	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Diethyl Phthalate	mg/l	5.6	5.6	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Dimethyl Phthalate	mg/l	NS	NS	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Di-n-butyl Phthalate	mg/l	0.7	3.5	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Fluoranthene	mg/l	0.28	1.4	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Fluorene	mg/l	0.28	1.4	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Hexachloro-1,3-Butadiene	mg/l	NS	NS	NS	NS	NA	< 0.0189	< 0.01	< 0.0099	< 0.0101	< 0.0097	< 0.0098	< 0.0098
Hexachlorobenzene	mg/l	0.00006	0.0003	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Hexachlorocyclopentadiene	mg/l	0.05	0.5	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Hexachloroethane	mg/l	0.007	0.035	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Indeno(1,2,3-c,d)pyrene	mg/l	0.00043	0.00215	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
M-Dichlorobenzene	mg/l	NS	NS	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Naphthalene	mg/l	0.14	0.22	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Nitrobenzene	mg/l	0.0035	0.0035	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
N-Nitrosodi-n-propylamine	mg/l	0.0018	0.0018	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
N-Nitrosodiphenylamine	mg/l	0.0032	0.016	NS	NS	NA	< 0.0189	< 0.01	< 0.0099	< 0.0101	< 0.0097	< 0.0098	< 0.0098
o-cresol	mg/l	0.35	0.35	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Octyl Phthalate, di-n-	mg/l	0.14	0.7	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
P-Chloroaniline	mg/l	0.028	0.028	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Pentachlorophenol	mg/l	0.001	0.005	NS	NS	NA	< 0.0472	< 0.025	< 0.0248	< 0.0253	< 0.0243	< 0.0245	< 0.0245
Percent Moisture	mg/l	NS	NS	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Phenanthrene	mg/l	NS	NS	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Phenol	mg/l	0.1	0.1	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
P-Nitroaniline	mg/l	NS	NS	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
Pyrene	mg/l	0.21	1.05	NS	NS	NA	< 0.0094	< 0.005	< 0.005	< 0.0051	< 0.0049	< 0.0049	< 0.0049
SVOCs-8270 SIM													
1,2-Benzphenanthracene	mg/l	0.0015	0.0075	NS	NS	NA	< 0.000047	< 0.000047	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Acenaphthene	mg/l	NS	NS	NS	NS	NA	< 0.000047	< 0.000047	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Acenaphthylene	mg/l	NS	NS	NS	NS	NA	< 0.000047	< 0.000047	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Anthracene	mg/l	2.1	10.5	NS	NS	NA	< 0.000047	< 0.000047	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Benzo(a)anthracene	mg/l	0.00013	0.00065	NS	NS	NA	< 0.000047	< 0.000047	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005

Location ID		Groundwater	Groundwater	Groundwater	Groundwater	MW001	MW001	MW002	MW003	MW003	MW004	MW005	MW006
Sample Name		Class I	Class II	Ingestion	Ingestion	MW-1 20090628	MW-1 20090629	MW-2 20090630	MW-3 20090630	GW-DUP-1 20090630	MW-4 20090630	MW-5 20090630	MW-6 20090630
Sample Date		TACO	TACO	Class I	Class II	6/28/2009	6/29/2009	6/30/2009	6/30/2009	6/30/2009	6/30/2009	6/30/2009	6/30/2009
Chemical Name	Unit												
Benzo(a)pyrene	mg/l	0.0002	0.002	NS	NS	NA	< 0.000047	< 0.000047	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Benzo(b)fluoranthene	mg/l	0.00018	0.0009	NS	NS	NA	< 0.000047	< 0.000047	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Benzo(ghi)perylene	mg/l	NS	NS	NS	NS	NA	< 0.000047	< 0.000047	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Benzo(k)fluoranthene	mg/l	0.00017	0.00085	NS	NS	NA	< 0.000047	< 0.000047	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Dibenz(ah)anthracene	mg/l	0.0003	0.0015	NS	NS	NA	< 0.000047	< 0.000047	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Fluoranthene	mg/l	0.28	1.4	NS	NS	NA	< 0.000047	< 0.000047	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Fluorene	mg/l	0.28	1.4	NS	NS	NA	< 0.000047	< 0.000047	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Indeno(1,2,3-c,d)pyrene	mg/l	0.00043	0.00215	NS	NS	NA	< 0.000047	< 0.000047	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Naphthalene	mg/l	0.14	0.22	NS	NS	NA	< 0.000047	0.00015	< 0.00005	< 0.00005	0.000093	< 0.00005	< 0.00005
Phenanthrene	mg/l	NS	NS	NS	NS	NA	< 0.000047	< 0.000047	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Pyrene	mg/l	0.21	1.05	NS	NS	NA	< 0.000047	< 0.000047	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005

Notes:
Results are reported in milligrams per liter (mg/L).

- MWMonitoring Well.
- NANot Analyzed.
- NSNo Standard.
- TACOTiered Approach to Corrective Action Objectives.

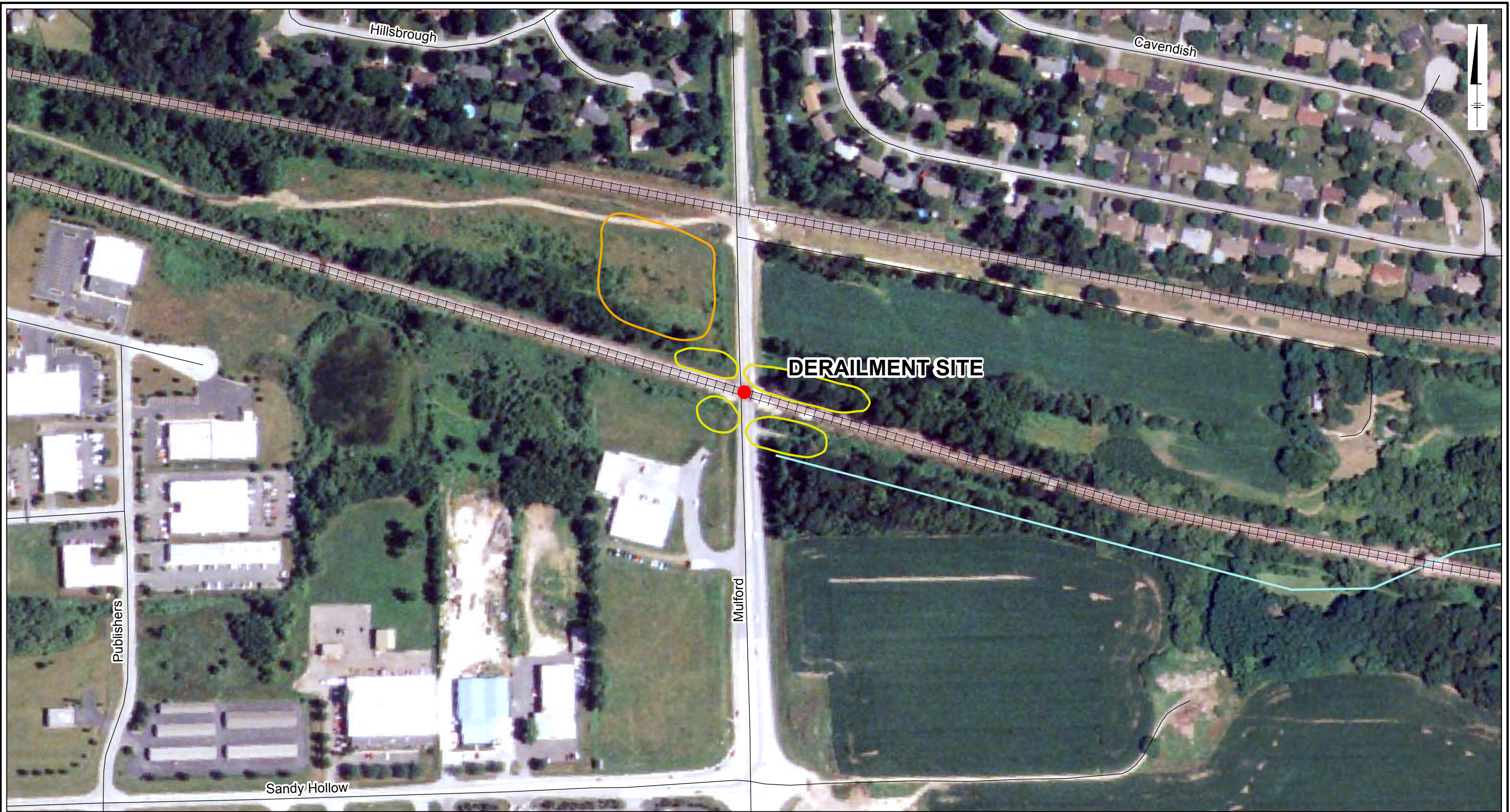
Values above the TACO Groundwater Class I Standards are boldfaced.

Values above the TACO Groundwater Class II Standards are shaded gray.

Values above the Ethanol Cleanup Objective for Groundwater Class I are outlined.

Values above the Ethanol Cleanup Objective for Groundwater Class II are in red font.

CITY: MPLS. DIV/GROUP: AIT DB: MG LD: TO PM: TO
ON ROCKFORD (C001558)
GIS/Projects/CC&P - CherryValley IL/ArcMap/Derailment Site 20090707.mxd - 7/7/2009 @ 11:11:10 AM



LEGEND:

	DRAINAGE DITCH		RAIL
	STREETS		DERAILMENT LOCATION
	INITIAL SAMPLING AREA		
	TANK CAR STAGING AREA		

0 500 1,000 Feet

GRAPHIC SCALE

NOTES:

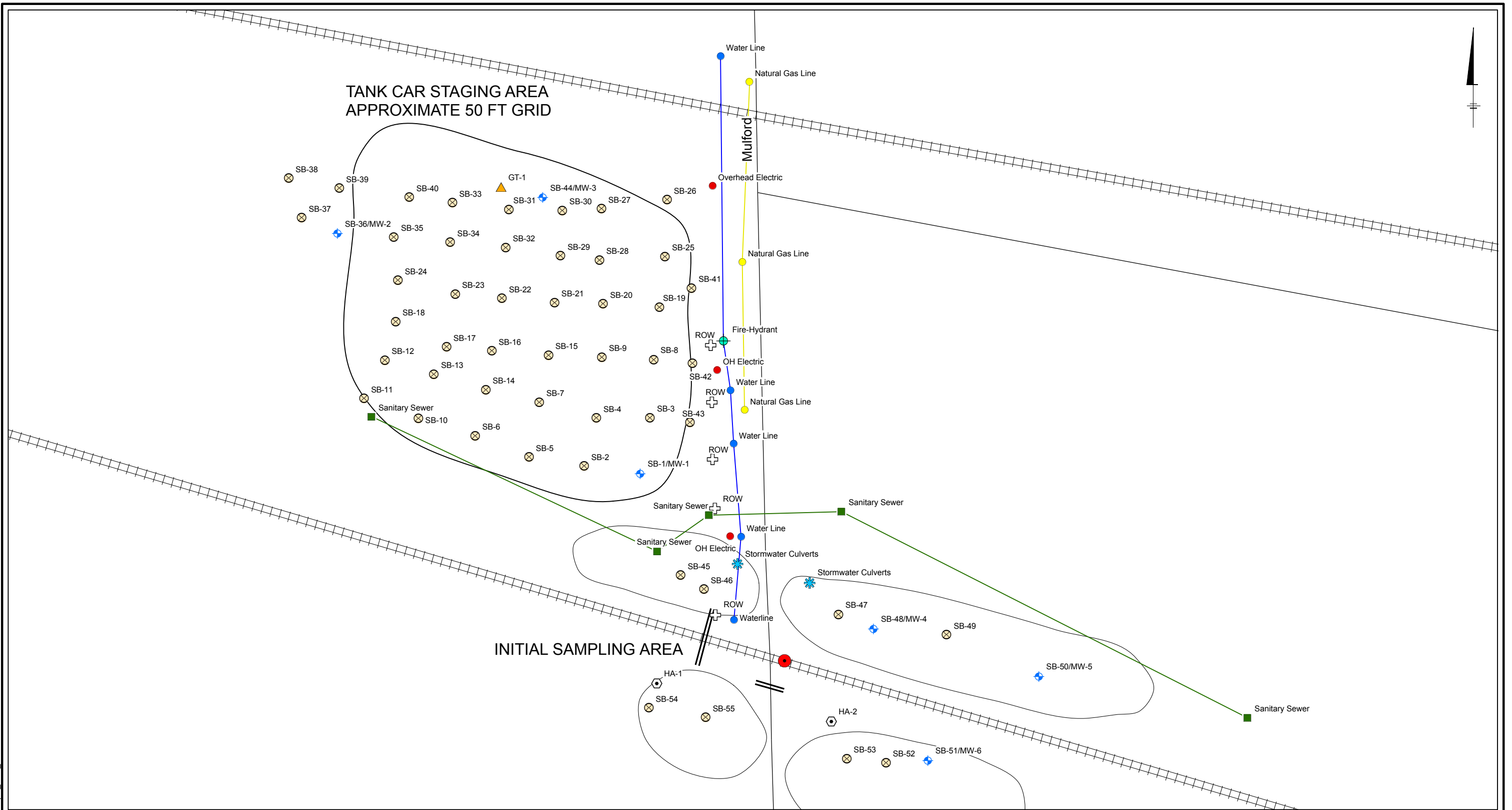
Aerial Image: USDA/FSA NAIP Imagery

CC&P PERRYVILLE DERAILMENT (6/19/09)

SITE LOCATION

FIGURE 1

CITY: MPLS DIV/GROUP: AIT DB: MG LD: TO PM: TO
ON CHERY VALLEY (0001553)
G:\GIS\Projects\CC&P CheryValley ILL\Map\Sample_Locs_20090707.mxd



LEGEND:

▲	GT	●	DERAILMENT LOCATION	■	SEWER	—	GAS LINE	—	STREETS
⊙	HA	✱	STORMWATER CULVERTS	●	WATER LINE	—	SEWER LINE	==	STORM WATER CULVERT
⊗	SOIL BORING	●	OVERHEAD ELECTRIC	⊕	HYDRANT	—	WATER LINE	⬭	INITIAL SAMPLING AREA
⊕	MONITORING WELL	●	GAS	⊕	ROW	⬭	RAIL	⬭	TANK CAR STAGING AREA

0 50 100
Feet
GRAPHIC SCALE

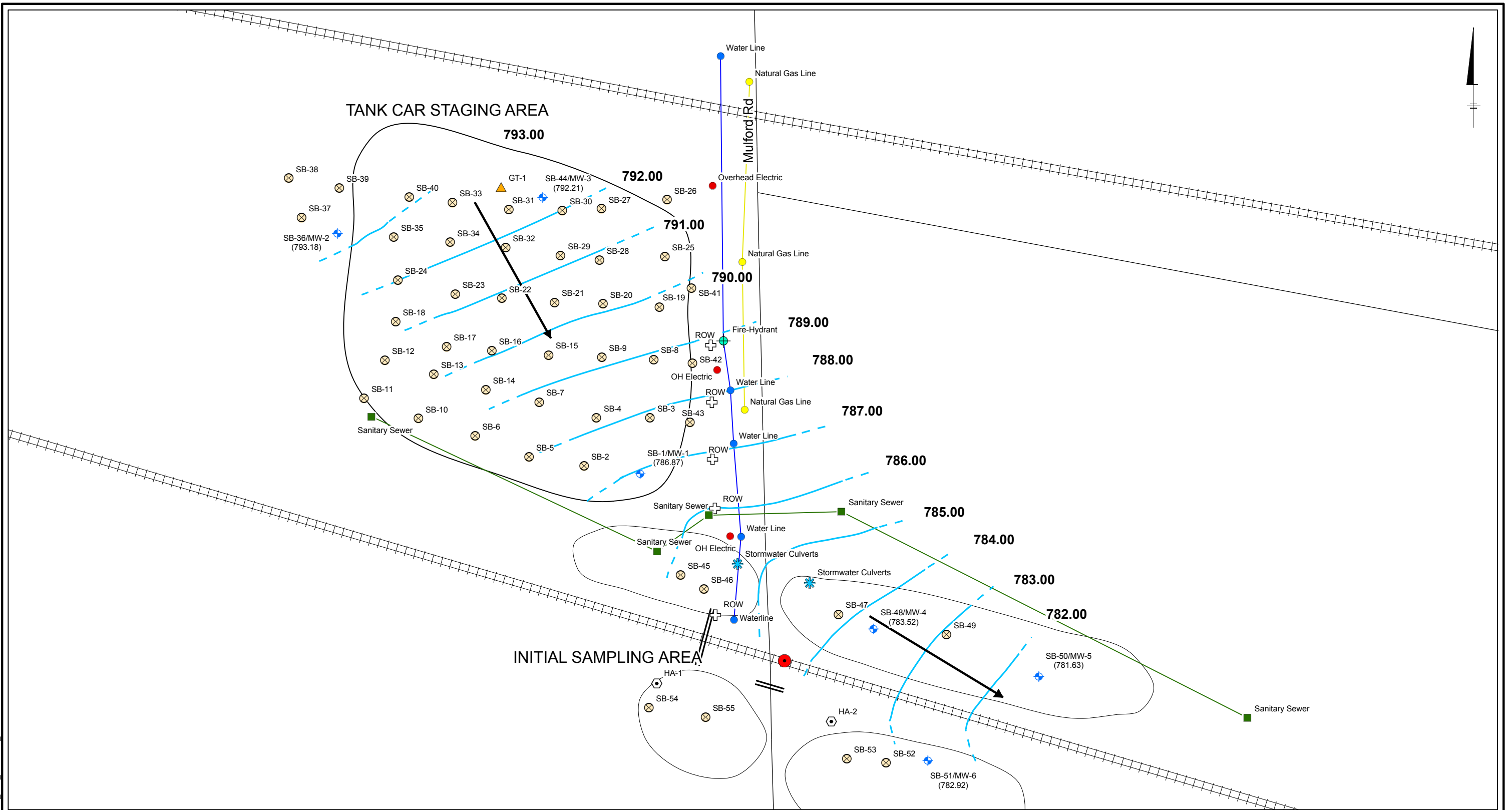
CC&P PERRYVILLE DERAILMENT (6/19/09)

SAMPLE LOCATION MAP

ARCADIS

FIGURE 2

CITY: MPLS DIV/GROUP: AIT DB: MG LD: TO PM: TO
ON CHERRY VALLEY (0101553)
GIS/Projects/CC&P CherryValley ILL/Map/Cvrr Elev 20090630 rev.mxd



LEGEND:

▲	GT	●	DERAILMENT LOCATION	■	SEWER	—	GAS LINE	—	STREETS
⊙	HA	✱	STORMWATER CULVERTS	●	WATER LINE	—	SEWER LINE	⬭	INITIAL SAMPLING AREA
⊗	SOIL BORING	●	OVERHEAD ELECTRIC	⊕	HYDRANT	—	WATER LINE	⬭	TANK CAR STAGING AREA
⊕	SB/MW	●	GAS	⊕	ROW	⬭	RAIL	⬭	STORM WATER CULVERT

0 50 100 Feet

GRAPHIC SCALE

(783.00) GROUNDWATER ELEVATION

→ APPROXIMATE DIRECTION OF GROUNDWATER FLOW

— GROUNDWATER CONTOUR (DASHED WHERE INFERRED)

CC&P PERRYVILLE DERAILMENT (6/19/09)

GROUNDWATER ELEVATION & FLOW MAP
JUNE 30, 2009

ARCADIS

FIGURE 3