

## **TABLES**

**Table 1**  
Soil Analytical Results  
VOCs  
2727 S. Troy St. / Chicago, Illinois

Sample ID	B-1	B-1	B-2	B-2	B-3	B-3	B-4	B-4	B-5	B-5	B-6	B-6	Tier 1 SROs					
													Residential		Construction Worker		Migration to Groundwater	
													Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Sample Depth (ft)	(3-6)	(6-9)	(3-6)	(6-9)	(0-3)	(9-12)	(3-6)	(6-9)	(0-3)	(3-6)	(0-3)	(3-6)						
Sample Date	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10						
1,1,1-Trichloroethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<b>13</b>	0.008	<0.005	<0.005	<0.005	<0.005	--	1,200	--	1,200	2	9.6
1,1,2,2-Tetrachloroethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	310 <sup>a</sup>	2,000 <sup>a</sup>	2,000 <sup>a</sup>	2,000 <sup>a</sup>	0.22 <sup>a</sup>	0.22 <sup>a</sup>
1,1,2-Trichloroethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	310	1,800	8,200	1,800	0.02	0.3
1,1-Dichloroethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	8.4	0.018	<0.005	<0.005	<0.005	<0.005	7,800	1,300	200,000	130	23	110
1,1-Dichloroethene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	3,900	290	10,000	3.0	0.06	0.3
1,2-Dichloroethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	7	0.4	1,400	0.99	0.02	0.1
1,2-Dichloropropane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	9	15	1,800	0.50	0.03	0.15
2-Butanone	<0.005	0.033	0.051	0.036	0.079	<0.005	0.46	0.049	<0.005	0.017	<0.005	0.039	--	--	--	--	--	--
2-Hexanone	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--	--	--	--	--
Acetone	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	70,000	100,000	--	100,000	25	25
Benzene	<0.005	<0.005	<0.005	<0.005	0.023	<0.005	0.02	<0.005	<0.005	<0.005	<0.005	<0.005	12	0.8	2,300	2.2	0.03	0.17
Bromodichloromethane	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	10	3,000	2,000	3,000	0.6	0.6
Bromoform	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	81	53	16,000	140	0.8	0.8
Bromomethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	110	10	1,000	3.9	0.2	1.2
Carbon disulfide	<0.005	<0.005	<0.005	<0.005	0.006	<0.005	0.099	0.007	0.007	0.009	<0.005	0.032	7,800	720	20,000	9.0	32	160
Carbon tetrachloride	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	5	0.3	410	0.90	0.07	0.33
Chlorobenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	1,600	130	4,100	1.3	1	6.5
Chloroethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	1,500 <sup>a</sup>	--	97 <sup>a</sup>	--	--
Chloroform	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	100	0.3	2,000	0.76	0.6	2.9
Chloromethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	110 <sup>a</sup>	--	11 <sup>a</sup>	--	--
cis-1,2-Dichloroethene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.017	<0.005	<0.005	<0.005	<0.005	<0.005	780	1,200	20,000	1,200	0.4	1.1
cis-1,3-Dichloropropene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	6	1	1,200	0	0	0
Dibromochloromethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	1,600	1,300	41,000	1,300	0.4	0.4
Ethylbenzene	<0.005	<0.005	<0.005	<0.005	0.185	<0.005	0.009	<0.005	<0.005	<0.005	<0.005	<0.005	7,800	400	20,000	58	13	19
4-Methyl-2-pentanone (MIBK)	<0.005	<0.005	<0.005	<0.005	1.3	<0.005	19.9	1.41	<0.005	<0.005	<0.005	<0.005	--	3,100 <sup>a</sup>	--	340 <sup>a</sup>	--	--
Methylene chloride	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	85	13	12,000	34	0.02	0.2
Methyl tert-butyl ether	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	780	8,800	2,000	140	0.32	0.32
Styrene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	16,000	1,500	41,000	430	4	18
Tetrachloroethene	<0.005	<0.005	<0.005	<0.005	0.007	<0.005	0.01	<0.005	<0.005	<0.005	<0.005	<0.005	12	11	2,400	28	0.06	0.3
Toluene	<0.005	<0.005	<0.005	<0.005	0.19	<0.005	0.09	<0.005	<0.005	<0.005	<0.005	<0.005	16,000	650	410,000	42	12	29
trans-1,2-Dichloroethene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.007	<0.005	<0.005	<0.005	<0.005	<0.005	1,600	3,100	41,000	3,100	0.7	3.4
trans-1,3-Dichloropropene	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	6	1	1,200	0	0	0
Trichloroethene	<0.005	<0.005	<0.005	<0.005	0.011	<0.005	0.021	<0.005	<0.005	<0.005	<0.005	<0.005	58	5	1,200	12	0.06	0.3
Vinyl chloride	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.46	0.28	170	1.1	0.01	0.07
Xylenes, Total	0.007	0.008	0.007	<0.005	0.97	<0.005	0.078	0.014	<0.005	<0.005	<0.005	<0.005	16,000	320	41,000	5.6	150	150

**NOTES**

All concentrations listed in mg/kg (ppm).  
Tier 1 SROs from 35 IAC 742, Appendix B, Tables A and B.  
All samples analyzed pursuant to SW-846 USEPA Method 5035/8260B.  
"<" indicates that analyte was not detected at stated detection limit.  
"--" indicates value not available in 35 IAC 742.  
**Bold** print indicates analyte exceeded Tier 1 SRO.  
<sup>a</sup>Tier 1 SRO from IEPA issued "Chemicals not in TACO Tier 1 Tables (revised 1/6/09)

**Table 1**  
Soil Analytical Results  
VOCs  
2727 S. Troy St. / Chicago, Illinois

Sample ID	Sample Depth (ft)	Sample Date	Tier 1 SROs											
			Residential			Construction Worker			Migration to Groundwater					
			Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II				
1.1.1-Trichloroethane	B-7 (0-3)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	2	9.6				
1.1.2-Tetrachloroethane	B-7 (3-6)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.22 <sup>a</sup>	0.22 <sup>a</sup>				
1.1.2-Trichloroethane	B-8 (3-6)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.02	0.3				
1.1-Dichloroethane	B-8 (9-12)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	23	110				
1.1-Dichloroethane	B-9 (0-3)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.06	0.3				
1.2-Dichloroethane	B-9 (6-9)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.99	0.02		0.1		
1.2-Dichloropropane	B-10 (0-3)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.50	0.03		0.15		
2-Butanone	B-10 (6-9)	2/26/10	<0.005	0.043	<0.005	<0.005	<0.005	<0.005	--	--		--		
2-Hexanone	B-10 (0-3)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--		--		
Acetone	B-10 (6-9)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	25	25		25		
Benzene	B-10 (0-3)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	100,000	100,000		25		
Bromodichloromethane	B-11 (0-3)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	2.2	0.03		0.17		
Bromoform	B-11 (6-9)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	3,000	0.6		0.6		
Bromomethane	B-11 (0-3)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	140	0.8		0.8		
Carbon disulfide	B-11 (6-9)	2/26/10	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	3.9	0.2		1.2		
Carbon tetrachloride	B-11 (0-3)	2/26/10	<0.005	0.006	<0.005	<0.005	<0.005	<0.005	9.0	32		160		
Chlorobenzene	B-11 (6-9)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.90	0.07		0.33		
Chloroethane	B-12 (0-3)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	1.3	1		6.5		
Chloroform	B-12 (6-9)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.76	0.6		2.9		
Chloromethane	B-12 (0-3)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	11 <sup>a</sup>	--		--		
cis-1,2-Dichloroethene	B-12 (6-9)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	11 <sup>a</sup>	--		--		
cis-1,3-Dichloropropene	B-12 (0-3)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	1,200	0.4		1.1		
Dibromochloromethane	B-12 (6-9)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0	0		0		
Ethylbenzene	B-12 (0-3)	2/26/10	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	1,300	0.4		0.4		
4-Methyl-2-pentanone (MIBK)	B-12 (6-9)	2/26/10	<0.005	7.53	<0.005	<0.005	<0.005	<0.005	58	13		19		
Methylene chloride	B-12 (0-3)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	34 <sup>a</sup>	--		--		
Methyl tert-butyl ether	B-12 (6-9)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	34	0.02		0.2		
Styrene	B-12 (0-3)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	140	0.32		0.32		
Tetrachloroethene	B-12 (6-9)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	430	4		18		
Toluene	B-12 (0-3)	2/26/10	<0.005	0.027	<0.005	<0.005	<0.005	<0.005	28	0.06		0.3		
trans-1,2-Dichloroethene	B-12 (6-9)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	42	12		29		
trans-1,3-Dichloropropene	B-12 (0-3)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	3,100	0.7		3.4		
Trichloroethene	B-12 (6-9)	2/26/10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0	0		0		
Vinyl chloride	B-12 (0-3)	2/26/10	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	12	0.06		0.3		
Xylenes, Total	B-12 (6-9)	2/26/10	<0.005	0.075	<0.005	<0.005	<0.005	<0.005	1.1	0.01		0.07		

**NOTES**

All concentrations listed in mg/kg (ppm).

Tier 1 SROs from 35 IAC 742, Appendix B, Tables A and B.

All samples analyzed pursuant to SW-846 USEPA Method 5035/82/60B.

< indicates that analyte was not detected at stated detection limit.

-- indicates value not available in 35 IAC 742.

**Bold** print indicates analyte exceeded Tier 1 SRO.

<sup>a</sup>Tier 1 SRO from IEPA issued "Chemicals not in TACO Tier 1 Tables (revised 1/6/09)

**Table 2**  
Soil Analytical Results  
SVOCs  
2727 S. Troy St. / Chicago, Illinois

Sample ID	TP-1 2'	TP-1 5'	TP-2A 1'	TP-2A 4'	TP-2B 2'	TP-2B 6'	TP-2C 2'	TP-2C 5'	Tier 1 SROs					
									Residential		Construction Worker		Migration to Groundwater	
									Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
1,2,4-Trichlorobenzene	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	780	3,200	2,000	920	5	53
1,2-Dichlorobenzene	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	7,000	560	18,000	310	17	43
1,3-Dichlorobenzene	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	--	--	--	--	--	--
1,4-Dichlorobenzene	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	--	11,000	--	340	2	11
2,4,5-Trichlorophenol	<0.215	<0.215	<0.215	<0.215	<0.215	<0.215	<0.215	<0.215	7,800	--	200,000	--	270	1,400
2,4,6-Trichlorophenol	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	58	200	11,000	540	0.2	0.77
2,4-Dichlorophenol	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	230	--	610	--	1	1
2,4-Dimethylphenol	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	1,600	--	41,000	--	9	9
2,4-Dinitrophenol	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	160	--	410	--	0.2	0.2
2,4-Dinitrotoluene	<0.212	<0.212	<0.212	<0.212	<0.212	<0.212	<0.212	<0.212	0.9	--	180	--	0.0008	0.0008
2,6-Dinitrotoluene	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	0.9	--	180	--	0.0007	0.0007
2-Chloronaphthalene	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	6,300 <sup>a</sup>	--	160,000 <sup>a</sup>	--	49 <sup>a</sup>	240 <sup>a</sup>
2-Chlorophenol	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	390	53,000	10,000	53,000	4	4
2-Methylnaphthalene	8.37	<0.116	<0.116	<0.116	<b>26.4</b>	<0.116	1.44	0.679	--	--	--	--	--	--
2-Methylphenol	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	3,900	--	100,000	--	15	15
2-Nitroaniline	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	230 <sup>a</sup>	35 <sup>a</sup>	610 <sup>a</sup>	3.6 <sup>a</sup>	0.14 <sup>a</sup>	0.14 <sup>a</sup>
2-Nitrophenol	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	--	--	--	--	--	--
3,3'-Dichlorobenzidine	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	1	--	280	--	0.007	0.033
3/4 Methylphenol	<0.830	<0.830	<0.830	<0.830	<0.830	<0.830	4.39	<0.830	--	--	--	--	--	--
3-Nitroaniline	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	23 <sup>a</sup>	250 <sup>a</sup>	61 <sup>a</sup>	26 <sup>a</sup>	0.01 <sup>a</sup>	0.01 <sup>a</sup>
4,6-Dinitro-2-methylphenol	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	--	--	--	--	--	--
4-Bromophenyl phenyl ether	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	--	--	--	--	--	--
4-Chloro-3-methylphenol	<1.300	<1.300	<1.300	<1.300	<1.300	<1.300	<1.300	<1.300	--	--	--	--	--	--
4-Chloroaniline	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	310	--	820	--	0.7	0.7
4-Chlorophenyl phenyl ether	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	--	--	--	--	--	--
4-Nitroaniline	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	230 <sup>a</sup>	1,000 <sup>a</sup>	610 <sup>a</sup>	110 <sup>a</sup>	0.10 <sup>a</sup>	0.10 <sup>a</sup>
4-Nitrophenol	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	--	--	--	--	--	--
Benzyl alcohol	<1.300	<1.300	<1.300	<1.300	<1.300	<1.300	<1.300	<1.300	39,000 <sup>a</sup>	6,100 <sup>a</sup>	200,000 <sup>a</sup>	6,100 <sup>a</sup>	15 <sup>a</sup>	15 <sup>a</sup>
Bis(2-chloroethoxy)methane	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	--	--	--	--	--	--
Bis(2-chloroethyl)ether	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	0.6	0.2	75	0.66	0.0004	0.0004
Bis(2-chloroisopropyl)ether	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	3,100 <sup>a</sup>	1,300 <sup>a</sup>	8,200 <sup>a</sup>	1,300 <sup>a</sup>	2.4 <sup>a</sup>	2.4 <sup>a</sup>
Bis(2-ethylhexyl)phthalate	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	46	31,000	4,100	31,000	3,600	31,000
Butyl benzyl phthalate	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	16,000	930	410,000	930	930	930
Carbazole	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	32	--	6,200	--	0.6	2.8
Dibenzofuran	<0.219	<0.219	<0.219	<0.219	<0.219	<0.219	<0.219	<0.219	--	--	820 <sup>a</sup>	--	--	--
Diethyl phthalate	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	63,000	2,000	1,000,000	2,000	470	470
Dimethyl phthalate	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	--	--	--	--	--	--
Di-n-butyl phthalate	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	1.1	<0.500	7,800	2,300	200,000	2,300	2,300	2,300
Di-n-octyl phthalate	<0.860	<0.860	<0.860	<0.860	<0.860	<0.860	<0.860	<0.860	1,600	10,000	4,100	10,000	10,000	10,000
Hexachlorobenzene	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	0.4	1	78	2.6	2	11
Hexachlorobutadiene	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	78 <sup>a</sup>	150 <sup>a</sup>	200 <sup>a</sup>	72 <sup>a</sup>	2.2 <sup>a</sup>	11 <sup>a</sup>
Hexachlorocyclopentadiene	<0.173	<0.173	<0.173	<0.173	<0.173	<0.173	<0.173	<0.173	550	10	14,000	1.1	400	2,200
Hexachloroethane	<0.132	<0.132	<0.132	<0.132	<0.132	<0.132	<0.132	<0.132	78	--	2,000	--	0.5	2.6
Isophorone	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	15,600	4,600	410,000	4,600	8	8
Nitrobenzene	<0.236	<0.236	<0.236	<0.236	<0.236	<0.236	<0.236	<0.236	39	92	1,000	9.4	0.1	0.1
N-Nitrosodi-n-propylamine	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.09	--	18	--	0.00005	0.00005
N-Nitrosodiphenylamine	<0.670	<0.670	<0.670	<0.670	<0.670	<0.670	<0.670	<0.670	130	--	25,000	--	1	5.6
Pentachlorophenol	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	3	--	520	--	0.03	0.14
Phenol	<0.660	<0.660	<0.660	<0.660	4.196	<0.660	1.45	<0.660	23,000	--	61,000	--	100	100
DRO	8,310	123	26.4	3,840	7,310	112	3,120	1,100	--	--	--	--	--	--
GRO	2.38	<0.400	<0.943	<0.943	2.86	0.232	9.58	5.13	--	--	--	--	--	--

**NOTES**

All concentrations listed in mg/kg (ppm).

Tier 1 SROs from 35 IAC 742, Appendix B, Tables A and B.

All samples analyzed pursuant to SW-846 USEPA Method 8270C.

"<" indicates that analyte was not detected at stated detection limit.

"--" indicates value not available in 35 IAC 742.

**Bold** print indicates analyte exceeded Tier 1 SRO.

<sup>a</sup>Tier 1 SRO from IEPA issued "Chemicals not in TACO Tier 1 Tables (revised 1/6/09)

**Table 2**  
Soil Analytical Results  
SVOCs  
2727 S. Troy St. / Chicago, Illinois

Sample ID	TP-3A	TP-3A	TP-3B	TP-3B	TP-5A	TP-5A	TP-5B	TP-5B	Tier 1 SROs					
									Residential		Construction Worker		Migration to Groundwater	
									Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Sample Depth (ft)	3'	6'	2'	5'	2'	5'	2'	5'						
Sample Date	2/17/10	2/17/10	2/17/10	2/17/10	2/17/10	2/17/10	2/17/10	2/17/10						
1,2,4-Trichlorobenzene	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	780	3,200	2,000	920	5	53
1,2-Dichlorobenzene	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	7,000	560	18,000	310	17	43
1,3-Dichlorobenzene	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	--	--	--	--	--	--
1,4-Dichlorobenzene	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	--	11,000	--	340	2	11
2,4,5-Trichlorophenol	<0.215	<0.215	<0.215	<0.215	<0.215	<0.215	<0.215	<0.215	7,800	--	200,000	--	270	1,400
2,4,6-Trichlorophenol	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	58	200	11,000	540	0.2	0.77
2,4-Dichlorophenol	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	230	--	610	--	1	1
2,4-Dimethylphenol	<0.660	<0.660	<0.660	<0.660	<0.660	<b>17</b>	<0.660	<0.660	1,600	--	41,000	--	9	9
2,4-Dinitrophenol	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	160	--	410	--	0.2	0.2
2,4-Dinitrotoluene	<0.212	<0.212	<0.212	<0.212	<0.212	<0.212	<0.212	<0.212	0.9	--	180	--	0.0008	0.0008
2,6-Dinitrotoluene	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	0.9	--	180	--	0.0007	0.0007
2-Chloronaphthalene	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	6,300 <sup>a</sup>	--	160,000 <sup>a</sup>	--	49 <sup>a</sup>	240 <sup>a</sup>
2-Chlorophenol	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	390	53,000	10,000	53,000	4	4
2-Methylnaphthalene	<0.116	<0.116	0.415	0.16	<b>15</b>	<b>15.1</b>	0.117	0.17	--	--	--	--	--	--
2-Methylphenol	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	3,900	--	100,000	--	15	15
2-Nitroaniline	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	230 <sup>a</sup>	35 <sup>a</sup>	610 <sup>a</sup>	3.6 <sup>a</sup>	0.14 <sup>a</sup>	0.14 <sup>a</sup>
2-Nitrophenol	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	--	--	--	--	--	--
3,3'-Dichlorobenzidine	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	1	--	280	--	0.007	0.033
3/4 Methylphenol	<0.830	<0.830	<0.830	<0.830	<0.830	32.00	<0.830	<0.830	--	--	--	--	--	--
3-Nitroaniline	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	23 <sup>a</sup>	250 <sup>a</sup>	61 <sup>a</sup>	26 <sup>a</sup>	0.01 <sup>a</sup>	0.01 <sup>a</sup>
4,6-Dinitro-2-methylphenol	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	--	--	--	--	--	--
4-Bromophenyl phenyl ether	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	--	--	--	--	--	--
4-Chloro-3-methylphenol	<1.300	<1.300	<1.300	<1.300	<1.300	<1.300	<1.300	<1.300	--	--	--	--	--	--
4-Chloroaniline	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	<0.330	310	--	820	--	0.7	0.7
4-Chlorophenyl phenyl ether	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	--	--	--	--	--	--
4-Nitroaniline	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	230 <sup>a</sup>	1,000 <sup>a</sup>	610 <sup>a</sup>	110 <sup>a</sup>	0.10 <sup>a</sup>	0.10 <sup>a</sup>
4-Nitrophenol	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	--	--	--	--	--	--
Benzyl alcohol	<1.300	<1.300	<1.300	<1.300	<1.300	<1.300	<1.300	<1.300	39,000 <sup>a</sup>	6,100 <sup>a</sup>	200,000 <sup>a</sup>	6,100 <sup>a</sup>	15 <sup>a</sup>	15 <sup>a</sup>
Bis(2-chloroethoxy)methane	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	--	--	--	--	--	--
Bis(2-chloroethyl)ether	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	0.6	0.2	75	0.66	0.0004	0.0004
Bis(2-chloroisopropyl)ether	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	3,100 <sup>a</sup>	1,300 <sup>a</sup>	8,200 <sup>a</sup>	1,300 <sup>a</sup>	2.4 <sup>a</sup>	2.4 <sup>a</sup>
Bis(2-ethylhexyl)phthalate	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	1.67	46	31,000	4,100	31,000	3,600	31,000
Butyl benzyl phthalate	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	16,000	930	410,000	930	930	930
Carbazole	<0.131	<0.131	<0.131	<0.131	<0.131	<0.131	0.291	<b>0.747</b>	32	--	6,200	--	0.6	2.8
Dibenzofuran	<0.219	<0.219	<0.219	<0.219	<0.219	<0.219	<0.219	0.357	--	--	820 <sup>a</sup>	--	--	--
Diethyl phthalate	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	63,000	2,000	1,000,000	2,000	470	470
Dimethyl phthalate	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	<3.300	--	--	--	--	--	--
Di-n-butyl phthalate	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	7,800	2,300	200,000	2,300	2,300	2,300
Di-n-octyl phthalate	<0.860	<0.860	<0.860	<0.860	<0.860	<0.860	<0.860	<0.860	1,600	10,000	4,100	10,000	10,000	10,000
Hexachlorobenzene	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	0.4	1	78	2.6	2	11
Hexachlorobutadiene	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	78 <sup>a</sup>	150 <sup>a</sup>	200 <sup>a</sup>	72 <sup>a</sup>	2.2 <sup>a</sup>	11 <sup>a</sup>
Hexachlorocyclopentadiene	<0.173	<0.173	<0.173	<0.173	<0.173	<0.173	<0.173	<0.173	550	10	14,000	1.1	400	2,200
Hexachloroethane	<0.132	<0.132	<0.132	<0.132	<0.132	<0.132	<0.132	<0.132	78	--	2,000	--	0.5	2.6
Isophorone	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	<0.660	15,600	4,600	410,000	4,600	8	8
Nitrobenzene	<0.236	<0.236	<0.236	<0.236	<0.236	<0.236	<0.236	<0.236	39	92	1,000	9.4	0.1	0.1
N-Nitrosodi-n-propylamine	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.09	--	18	--	0.00005	0.00005
N-Nitrosodiphenylamine	<0.670	<0.670	<0.670	<0.670	<0.670	<0.670	<0.670	<0.670	130	--	25,000	--	1	5.6
Pentachlorophenol	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	3	--	520	--	0.03	0.14
Phenol	<0.660	<0.660	<0.660	<0.660	<0.660	35.4	<0.660	<0.660	23,000	--	61,000	--	100	100
DRO	5,700	5,020	3,510	8,140	2,550	3,300	6,910	2,950	--	--	--	--	--	--
GRO	9.73	3.15	1.81	0.27	133	195	<1.12	0.146	--	--	--	--	--	--

**NOTES**

All concentrations listed in mg/kg (ppm).

Tier 1 SROs from 35 IAC 742, Appendix B, Tables A and B.

All samples analyzed pursuant to SW-846 USEPA Method 8270C.

"<" indicates that analyte was not detected at stated detection limit.

"--" indicates value not available in 35 IAC 742.

**Bold** print indicates analyte exceeded Tier 1 SRO.

<sup>a</sup>Tier 1 SRO from IEPA issued "Chemicals not in TACO Tier 1 Tables (revised 1/6/09)

**Table 2**  
Soil Analytical Results  
SVOCs  
2727 S. Troy St. / Chicago, Illinois

Sample ID	B-1 (3-6)	B-1 (6-9)	B-10 (0-3)	B-10 (6-9)	Tier 1 SROs					
					Residential		Construction Worker		Migration to Groundwater	
Sample Date	2/26/10	2/26/10	2/26/10	2/26/10	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
1,2,4-Trichlorobenzene	<0.660	<0.660	<0.660	<0.660	780	3,200	2,000	920	5	53
1,2-Dichlorobenzene	<0.660	<0.660	<0.660	<0.660	7,000	560	18,000	310	17	43
1,3-Dichlorobenzene	<0.660	<0.660	<0.660	<0.660	--	--	--	--	--	--
1,4-Dichlorobenzene	<0.660	<0.660	<0.660	<0.660	--	11,000	--	340	2	11
2,4,5-Trichlorophenol	<0.215	<0.215	<0.215	<0.215	7,800	--	200,000	--	270	1,400
2,4,6-Trichlorophenol	<b>0.786</b>	<0.063	<0.063	<0.063	58	200	11,000	540	0.2	0.77
2,4-Dichlorophenol	<0.660	<0.660	<0.660	<0.660	230	--	610	--	1	1
2,4-Dimethylphenol	<0.660	<0.660	<0.660	<0.660	1,600	--	41,000	--	9	9
2,4-Dinitrophenol	<0.660	<0.660	<0.660	<0.660	160	--	410	--	0.2	0.2
2,4-Dinitrotoluene	<0.212	<0.212	<0.212	<0.212	0.9	--	180	--	0.0008	0.0008
2,6-Dinitrotoluene	<0.099	<0.099	<0.099	<0.099	0.9	--	180	--	0.0007	0.0007
2-Chloronaphthalene	<0.660	<0.660	<0.660	<0.660	6,300 <sup>a</sup>	--	160,000 <sup>a</sup>	--	49 <sup>a</sup>	240 <sup>a</sup>
2-Chlorophenol	<0.660	<0.660	<0.660	<0.660	390	53,000	10,000	53,000	4	4
2-Methylnaphthalene	0.429	0.126	0.898	0.352	--	--	--	--	--	--
2-Methylphenol	<0.660	<0.660	<0.660	<0.660	3,900	--	100,000	--	15	15
2-Nitroaniline	<3.300	<3.300	<3.300	<3.300	230 <sup>a</sup>	35 <sup>a</sup>	610 <sup>a</sup>	3.6 <sup>a</sup>	0.14 <sup>a</sup>	0.14 <sup>a</sup>
2-Nitrophenol	<0.660	<0.660	<0.660	<0.660	--	--	--	--	--	--
3,3'-Dichlorobenzidine	<0.106	<0.106	<0.106	<0.106	1	--	280	--	0.007	0.033
3/4 Methylphenol	<0.830	<0.830	<0.830	<0.830	--	--	--	--	--	--
3-Nitroaniline	<3.300	<3.300	<3.300	<3.300	23 <sup>a</sup>	250 <sup>a</sup>	61 <sup>a</sup>	26 <sup>a</sup>	0.01 <sup>a</sup>	0.01 <sup>a</sup>
4,6-Dinitro-2-methylphenol	<3.300	<3.300	<3.300	<3.300	--	--	--	--	--	--
4-Bromophenyl phenyl ether	<0.660	<0.660	<0.660	<0.660	--	--	--	--	--	--
4-Chloro-3-methylphenol	<1.300	<1.300	<1.300	<1.300	--	--	--	--	--	--
4-Chloroaniline	<0.330	<0.330	<0.330	<0.330	310	--	820	--	0.7	0.7
4-Chlorophenyl phenyl ether	<0.660	<0.660	<0.660	<0.660	--	--	--	--	--	--
4-Nitroaniline	<3.300	<3.300	<3.300	<3.300	230 <sup>a</sup>	1,000 <sup>a</sup>	610 <sup>a</sup>	110 <sup>a</sup>	0.10 <sup>a</sup>	0.10 <sup>a</sup>
4-Nitrophenol	<3.300	<3.300	<3.300	<3.300	--	--	--	--	--	--
Benzyl alcohol	<1.300	<1.300	<1.300	<1.300	39,000 <sup>a</sup>	6,100 <sup>a</sup>	200,000 <sup>a</sup>	6,100 <sup>a</sup>	15 <sup>a</sup>	15 <sup>a</sup>
Bis(2-chloroethoxy)methane	<0.660	<0.660	<0.660	<0.660	--	--	--	--	--	--
Bis(2-chloroethyl)ether	<0.660	<0.660	<0.660	<0.660	0.6	0.2	75	0.66	0.0004	0.0004
Bis(2-chloroisopropyl)ether	<0.660	<0.660	<0.660	<0.660	3,100 <sup>a</sup>	1,300 <sup>a</sup>	8,200 <sup>a</sup>	1,300 <sup>a</sup>	2.4 <sup>a</sup>	2.4 <sup>a</sup>
Bis(2-ethylhexyl)phthalate	<0.660	<0.660	<0.660	<0.660	46	31,000	4,100	31,000	3,600	31,000
Butyl benzyl phthalate	<0.660	<0.660	<0.660	<0.660	16,000	930	410,000	930	930	930
Carbazole	<0.131	<0.131	<0.131	<0.131	32	--	6,200	--	0.6	2.8
Dibenzofuran	<0.219	<0.219	<0.219	<0.219	--	--	820 <sup>a</sup>	--	--	--
Diethyl phthalate	<0.660	<0.660	<0.660	<0.660	63,000	2,000	1,000,000	2,000	470	470
Dimethyl phthalate	<3.300	<3.300	<3.300	<3.300	--	--	--	--	--	--
Di-n-butyl phthalate	<0.500	<0.500	<0.500	<0.500	7,800	2,300	200,000	2,300	2,300	2,300
Di-n-octyl phthalate	<0.860	<0.860	<0.860	<0.860	1,600	10,000	4,100	10,000	10,000	10,000
Hexachlorobenzene	<0.066	<0.066	<0.066	<0.066	0.4	1	78	2.6	2	11
Hexachlorobutadiene	<0.660	<0.660	<0.660	<0.660	78 <sup>a</sup>	150 <sup>a</sup>	200 <sup>a</sup>	72 <sup>a</sup>	2.2 <sup>a</sup>	11 <sup>a</sup>
Hexachlorocyclopentadiene	<0.173	<0.173	<0.173	<0.173	550	10	14,000	1.1	400	2,200
Hexachloroethane	<0.132	<0.132	<0.132	<0.132	78	--	2,000	--	0.5	2.6
Isophorone	<0.660	<0.660	<0.660	<0.660	15,600	4,600	410,000	4,600	8	8
Nitrobenzene	<0.236	<0.236	<0.236	<0.236	39	92	1,000	9.4	0.1	0.1
N-Nitrosodi-n-propylamine	<0.015	<0.015	<0.015	<0.015	0.09	--	18	--	0.00005	0.00005
N-Nitrosodiphenylamine	<0.670	<0.670	<0.670	<0.670	130	--	25,000	--	1	5.6
Pentachlorophenol	<b>6.03</b>	<b>3.78</b>	<b>14.5</b>	<0.030	3	--	520	--	0.03	0.14
Phenol	5.82	4.07	12.8	1.21	23,000	--	61,000	--	100	100
DRO	5,200	21,800	45,400	40,000	--	--	--	--	--	--
GRO	45.2	58.6	<1.0	9.8	--	--	--	--	--	--

**NOTES**

All concentrations listed in mg/kg (ppm).

Tier 1 SROs from 35 IAC 742, Appendix B, Tables A and B.

All samples analyzed pursuant to SW-846 USEPA Method 8270C.

"<" indicates that analyte was not detected at stated detection limit.

"--" indicates value not available in 35 IAC 742.

**Bold print** indicates analyte exceeded Tier 1 SRO.

<sup>a</sup>Tier 1 SRO from IEPA issued "Chemicals not in TACO Tier I Tables (revised 1/6/09)

**Table 3**  
Soil Analytical Results  
PCBs / Pesticides  
2727 S. Troy St. / Chicago, Illinois

Sample ID	B-1 (3-6)	B-1 (6-9)	B-10 (0-3)	B-10 (6-9)	Tier 1 SROs					
					Residential		Construction Worker		Migration to Groundwater	
					Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Aroclor 1016	<0.080	<0.080	<0.080	<0.080	1	--	1	--	--	--
Aroclor 1221	<0.080	<0.080	<0.080	<0.080	1	--	1	--	--	--
Aroclor 1232	<0.080	<0.080	<0.080	<0.080	1	--	1	--	--	--
Aroclor 1242	<0.080	<0.080	<0.080	<0.080	1	--	1	--	--	--
Aroclor 1248	<0.080	<0.080	<0.080	<0.080	1	--	1	--	--	--
Aroclor 1254	<0.160	<0.160	<0.160	<0.160	1	--	1	--	--	--
Aroclor 1260	<0.160	<0.160	<0.160	<0.160	1	--	1	--	--	--
4,4'-DDD	<0.016	<0.016	<0.016	<0.016	3	--	520	--	16	80
4,4'-DDE	<0.016	<0.016	<0.016	<0.016	2	--	370	--	54	270
4,4'-DDT	<0.016	<0.016	<0.016	<0.016	2	--	100	2,100	32	160
Aldrin	<0.008	<0.008	<0.008	<0.008	0.04	3	6.1	9.3	0.5	2.5
alpha-BHC	<0.008	<0.008	<0.008	<0.008	0.1	0.8	20	2.1	0.0005	0.003
beta-BHC	<0.008	<0.008	<0.008	<0.008	--	--	--	--	--	--
Chlordane	<0.080	<0.080	<0.080	<0.080	1.8	72	100	22	10	48
delta-BHC	<0.008	<0.008	<0.008	<0.008	--	--	--	--	--	--
Dieldrin	<0.016	<0.016	<0.016	<0.016	0.04	1	7.8	3.1	0.004	0.02
Endosulfan (I & II)	<0.024	<0.024	<0.024	<0.024	470	--	1,200	--	18	90
Endrin	<0.016	<0.016	<0.016	<0.016	23	--	61	--	1	5
Endrin aldehyde	<0.016	<0.016	<0.016	<0.016	--	--	--	--	--	--
Endrin ketone	<0.016	<0.016	<0.016	<0.016	--	--	--	--	--	--
gamma-BHC	<0.008	<0.008	<0.008	<0.008	0.5	--	96	--	0.009	0.047
Heptachlor	<0.008	<0.008	<0.008	<0.008	0.1	0.1	28	16	23	110
Heptachlor epoxide	<0.008	<0.008	<0.008	<0.008	0.07	5	2.7	13	0.7	3.3
Methoxychlor	<0.080	<0.080	<0.080	<0.080	390	--	1,000	--	160	780
Toxaphene	<0.160	<0.160	<0.160	<0.160	0.6	89	110	240	31	150

**NOTES**

All concentrations listed in mg/kg (ppm).  
Tier 1 SROs from 35 IAC 742, Appendix B, Tables A and B.  
All samples analyzed pursuant to SW-846 USEPA Methods SW8081 and SW8082.  
"<" indicates that analyte was not detected at stated detection limit.  
"--" indicates value not available in 35 IAC 742.  
Blank cells indicate sample not analyzed for that parameter.  
**Bold** print indicates analyte exceeded Tier 1 SRO.

**Table 4**  
Soil Analytical Results  
Herbicides  
2727 S. Troy St. / Chicago, Illinois

Sample ID	B-1	B-1	B-10	B-10	Tier 1 SROs					
					Residential		Construction Worker		Migration to Groundwater	
Sample Depth (ft)	(3-6)	(6-9)	(0-3)	(6-9)	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
2,4,5-T	<0.010	<0.010	<0.010	<0.010	--	--	--	--	--	--
2,4,5-TP (Silvex)	<0.010	<0.010	<0.010	<0.010	630	--	1,600	--	11	55
2,4-D	<0.010	<0.010	<0.010	<0.010	780	--	2,000	--	1.5	7.7
Dalapon	<0.050	<0.050	<0.050	<0.050	2,300	--	6,100	--	0.85	8.50
Dinoseb	<0.020	<0.020	<0.020	<0.020	78	--	200	--	0.34	3.40
Picloram	<0.010	<0.010	<0.010	<0.010	5,500	--	14,000	--	2	20

**NOTES**

All concentrations listed in mg/kg (ppm).

Tier 1 SROs from 35 IAC 742, Appendix B, Tables A and B.

All samples analyzed pursuant to SW-846 USEPA Methods 8151A.

"<" indicates that analyte was not detected at stated detection limit.

"--" indicates value not available in 35 IAC 742.

Blank cells indicate sample not analyzed for that parameter.

**Bold** print indicates analyte exceeded Tier 1 SRO.



**Table 5**  
Soil Analytical Results  
PNAs  
2727 S. Troy St. / Chicago, Illinois

Sample ID	TP-1	TP-1	TP-2A	TP-2A	TP-2B	TP-2B	TP-2C	TP-2C	TP-3A	TP-3A	TP-3B	TP-3B	TP-5A	TP-5A	TP-5B	TP-5B	Tier 1 SROs					
																	Residential		Construction Worker		Migration to Groundwater	
																	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Sample Depth (ft)	2'	5'	1'	4'	2'	6'	2'	5'	3'	6'	2'	5'	2'	5'	2'	5'						
Sample Date	2/17/10	2/17/10	2/17/10	2/17/10	2/17/10	2/17/10	2/17/10	2/17/10	2/17/10	2/17/10	2/17/10	2/17/10	2/17/10	2/17/10	2/17/10	2/17/10						
Acenaphthene	<0.148	<0.148	<0.148	0.274	<0.148	<0.148	<0.148	<0.148	0.262	<0.148	<0.148	0.169	<0.148	<0.148	0.189	0.54	4,700	---	120,000	---	570	2,900
Acenaphthylene	<0.069	<0.069	<0.069	0.119	<0.069	<0.069	<0.069	<0.069	<0.069	<0.069	<0.069	<0.069	<0.069	<0.069	0.091	0.152	2,300 <sup>a</sup>	---	61,000 <sup>a</sup>	---	85 <sup>a</sup>	420 <sup>a</sup>
Anthracene	1.84	<0.298	<0.298	0.875	1.7	<0.298	1.19	<0.596	0.404	<0.298	<0.596	0.623	1.57	1.62	0.595	1.63	23,000	---	610,000	---	12,000	59,000
Benzo(a)anthracene	<b>15.6</b>	<0.068	<0.068	<b>4.85</b>	0.952	0.202	<b>2.13</b>	0.498	<b>1.89</b>	<0.068	<b>2.57</b>	<b>1.66</b>	<b>1.89</b>	<b>1.62</b>	<b>3.1</b>	<b>7.13</b>	1.1 <sup>b</sup>	---	170	---	2	8
Benzo(a)pyrene	<b>2.32</b>	<0.066	<0.066	<b>5.17</b>	<b>1.41</b>	0.172	<b>3.48</b>	0.416	<b>1.98</b>	<0.066	0.893	<b>1.82</b>	<b>2.41</b>	<b>1.66</b>	<b>3.69</b>	<b>7.48</b>	1.3 <sup>b</sup>	---	17	---	8	82
Benzo(b)fluoranthene	<b>5.15</b>	<0.057	<0.057	<b>8.03</b>	<b>2.4</b>	0.244	<b>4.81</b>	0.739	<b>2.47</b>	<0.057	0.69	<b>2.18</b>	<b>4.67</b>	<b>2.5</b>	<b>6.48</b>	<b>12</b>	1.5 <sup>b</sup>	---	170	---	5	25
Benzo(g,h,i)perylene	1.16	<0.120	<0.120	2.77	0.593	<0.120	2.11	0.386	0.952	<0.120	0.635	0.909	1.83	1.07	2.78	4.57	2,300 <sup>a</sup>	---	61,000 <sup>a</sup>	---	27,000 <sup>a</sup>	130,000 <sup>a</sup>
Benzo(k)fluoranthene	1.31	<0.122	<0.122	2.34	0.808	<0.122	1.56	0.293	0.761	<0.122	0.599	0.874	1.18	0.919	1.8	3.83	9	---	1,700	---	49	250
Chrysene	9.26	<0.094	<0.094	5.53	1.97	0.244	2.8	0.837	1.5	<0.094	1.05	1.41	2.68	1.7	3.85	7.92	88	---	17,000	---	160	800
Dibenzo(a,h)anthracene	<0.110	<0.110	<0.110	<b>0.802</b>	<0.110	<0.110	<b>0.479</b>	<0.110	<b>0.258</b>	<0.110	<0.110	<b>0.23</b>	<b>0.428</b>	<0.550	<b>0.745</b>	<b>1.3</b>	0.2 <sup>b</sup>	---	17	---	2	7.6
Fluoranthene	9.25	0.119	<0.094	10.2	2.55	0.705	4.4	1.56	4.03	0.217	1.09	4.16	2.28	3.98	6.49	19	3,100	---	82,000	---	4,300	21,000
Fluorene	4.78	<0.136	<0.136	0.322	3.96	0.251	2.04	0.457	0.421	<0.136	<0.136	0.303	2.96	3.36	0.215	0.732	3,100	---	82,000	---	560	2,800
Indeno(1,2,3-cd)pyrene	<b>1.3</b>	<0.130	<0.130	<b>2.58</b>	<b>0.932</b>	<0.130	<b>1.91</b>	0.326	<b>0.936</b>	<0.130	0.498	0.797	<b>1.44</b>	0.79	<b>2.33</b>	<b>4.08</b>	0.86 <sup>b</sup>	---	170	---	14	69
Naphthalene	<b>2.37</b>	<0.086	<0.086	0.087	<b>8.08</b>	<0.086	0.71	0.32	0.139	<0.086	0.271	0.179	<b>5.28</b>	<b>5.58</b>	0.138	0.211	1,600	170	4,100	1.8	12	18
Phenanthrene	15.3	0.145	<0.122	3.18	13.7	0.762	8.59	2.72	0.797	<0.122	2.65	2.08	10.1	16.8	2.61	8.26	2,300 <sup>a</sup>	---	61,000 <sup>a</sup>	---	200 <sup>a</sup>	1,000 <sup>a</sup>
Pyrene	20.7	0.108	<0.066	14.5	4.06	0.57	6.47	2.04	4.4	0.322	2.45	4.42	3.01	6.57	5.63	15.2	2,300	---	61,000	---	4,200	21,000
TPH-DRO	8,310	123	26.4	3,840	7,310	112	3,120	1,100	5,700	5,020	3,510	8,140	2,550	3,300	6,910	2,950	---	---	---	---	---	---
TPH-GRO	2.38	0.4	<0.943	<0.943	2.86	0.232	9.58	5.13	9.73	3.15	1.81	0.27	133	195	<1.12	0.146	---	---	---	---	---	---

**NOTES**

All concentrations listed in mg/kg (ppm).

Tier 1 SROs from 35 IAC 742, Appendix B, Tables A and B.

PNA samples analyzed pursuant to SW-846 USEPA Method 8270C.

"<" indicates that analyte was not detected at stated detection limit.

"---" indicates value not available in 35 IAC 742.

"NS" indicates "Not Sampled" for that parameter.

**Bolded / Shaded** print indicates analyte exceeded Tier 1 SRO.

<sup>a</sup>Tier 1 SRO from IEPA issued "Chemicals not in TACO Tier 1 Tables (revised 1/6/09)

<sup>b</sup>Tier 1 SRO from 35 IAC 742, Appendix A, Table H.

**Table 5**  
Soil Analytical Results  
PNAs  
2727 S. Troy St. / Chicago, Illinois

Sample ID	B-1	B-1	B-2	B-2	B-2	B-3	B-3	B-4	B-4	B-5	B-5	B-6	B-6	Tier 1 SROs					
														Residential		Construction Worker		Migration to Groundwater	
														Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Sample Depth (ft)	(3-6)	(6-9)	(0-3)	(3-6)	(6-9)	(0-3)	(9-12)	(3-6)	(6-9)	(0-3)	(3-6)	(0-3)	(3-6)						
Sample Date	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10						
Acenaphthene	<0.148	0.377	0.385	<0.050	<0.050	0.416	<0.050	0.205	<0.050	0.053	1.26	0.094	7.67	4,700	---	120,000	---	570	2,900
Acenaphthylene	<0.069	<0.069	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.085	<0.050	2,300 <sup>a</sup>	---	61,000 <sup>a</sup>	---	85 <sup>a</sup>	420 <sup>a</sup>
Anthracene	0.402	0.567	0.591	0.127	0.222	0.838	<0.083	0.766	0.106	0.249	2.69	0.404	17.3	23,000	---	610,000	---	12,000	59,000
Benzo(a)anthracene	0.769	0.662	1.09	0.322	0.716	0.773	<0.008	0.447	0.159	1.09	<b>6.78</b>	<b>1.7</b>	<b>30.4</b>	1.1 <sup>b</sup>	---	170	---	2	8
Benzo(a)pyrene	0.742	0.624	0.839	0.335	0.618	0.919	<0.015	0.386	0.093	<b>1.46</b>	<b>6.38</b>	<b>1.85</b>	<b>32.9</b>	1.3 <sup>b</sup>	---	17	---	8	82
Benzo(b)fluoranthene	1.08	0.897	1.14	0.387	0.854	<b>1.88</b>	<0.011	0.488	0.133	<b>1.77</b>	<b>10.3</b>	<b>2.5</b>	<b>45.4</b>	1.5 <sup>b</sup>	---	170	---	5	25
Benzo(g,h,i)perylene	0.429	0.235	0.316	0.144	0.216	0.514	<0.025	0.153	<0.025	0.834	2.91	1.33	12.2	2,300 <sup>a</sup>	---	61,000 <sup>a</sup>	---	27,000 <sup>a</sup>	130,000 <sup>a</sup>
Benzo(k)fluoranthene	0.311	0.351	0.388	0.113	0.232	0.397	<0.011	0.141	0.04	0.474	3.3	0.68	<b>12.2</b>	9	---	1,700	---	49	250
Chrysene	1.06	0.694	1.24	0.482	1.16	1.42	<0.050	0.573	0.288	1.02	7.99	1.54	26.1	88	---	17,000	---	160	800
Dibenzo(a,h)anthracene	<0.110	<0.110	0.102	0.034	<0.020	<b>0.151</b>	<0.020	<0.020	<0.020	<0.020	<b>0.233</b>	<b>0.296</b>	<b>1.06</b>	0.2 <sup>b</sup>	---	17	---	2	7.6
Fluoranthene	2.2	3.42	1.45	0.746	2.1	1.51	<0.050	1.28	0.552	2.3	25.4	3.63	55.4	3,100	---	82,000	---	4,300	21,000
Fluorene	0.369	0.451	0.992	0.097	0.216	0.563	<0.033	0.629	0.141	0.05	1.51	0.101	8.9	3,100	---	82,000	---	560	2,800
Indeno(1,2,3-cd)pyrene	0.309	<0.025	0.284	0.12	0.187	0.432	<0.025	0.128	<0.025	0.778	<b>2.92</b>	<b>1.1</b>	<b>12.4</b>	0.86 <sup>b</sup>	---	170	---	14	69
Naphthalene	0.247	<0.086	0.269	0.092	<0.050	0.815	<0.050	0.319	0.193	0.053	0.272	0.111	2.39	1,600	170	4,100	1.8	12	18
Phenanthrene	1.78	2.58	3.11	0.543	0.922	2.31	<0.033	2.83	0.806	0.779	9.54	1.37	45.9	2,300 <sup>a</sup>	---	61,000 <sup>a</sup>	---	200 <sup>a</sup>	1,000 <sup>a</sup>
Pyrene	2.46	4.28	1.56	1.02	2.96	2.05	<0.050	1.83	0.791	1.87	19.7	3.01	51.8	2,300	---	61,000	---	4,200	21,000
TPH-DRO	5,200	21,800	NS	11,500	16,800	102,000	969	129,000	8,080	804	10,600	6,040	14,200	---	---	---	---	---	---
TPH-GRO	45.2	58.6	NS	74.6	69.3	156	0.544	14.4	7.45	<1.0	22.4	<2.0	0.564	---	---	---	---	---	---

**NOTES**

All concentrations listed in mg/kg (ppm).  
Tier 1 SROs from 35 IAC 742, Appendix B, Tables A and B.  
PNA samples analyzed pursuant to SW-846 USEPA Method 8270C.  
"<" indicates that analyte was not detected at stated detection limit.  
"---" indicates value not available in 35 IAC 742.  
"NS" indicates "Not Sampled" for that parameter.  
**Bolded / Shaded** print indicates analyte exceeded Tier 1 SRO.  
<sup>a</sup>Tier 1 SRO from IEPA issued "Chemicals not in TACO Tier I Tables (revised 1/6/09)  
<sup>b</sup>Tier 1 SRO from 35 IAC 742, Appendix A, Table H.

**Table 5**  
Soil Analytical Results  
PNAs  
2727 S. Troy St. / Chicago, Illinois

Sample ID	B-7	B-7	B-8	B-8	B-8	B-9	B-9	B-10	B-10	B-11	B-11	B-12	B-12	Tier 1 SROs					
														Residential		Construction Worker		Migration to Groundwater	
														Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Sample Depth (ft)	(0-3)	(3-6)	(0-3)	(3-6)	(9-12)	(0-3)	(6-9)	(0-3)	(6-9)	(0-3)	(3-6)	(0-3)	(6-9)						
Sample Date	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10						
Acenaphthene	0.151	<0.050	<0.050	<0.050	<0.050	0.178	<0.050	<0.148	<0.148	<0.050	0.448	<0.050	<0.050	4,700	---	120,000	---	570	2,900
Acenaphthylene	0.083	<0.050	<0.050	<0.050	<0.050	0.064	<0.050	<0.069	<0.069	<0.050	<0.050	<0.050	<0.050	2,300 <sup>a</sup>	---	61,000 <sup>a</sup>	---	85 <sup>a</sup>	420 <sup>a</sup>
Anthracene	0.58	<0.083	0.757	1.05	<0.083	0.635	<0.083	<0.298	0.417	0.133	0.675	0.345	<0.083	23,000	---	610,000	---	12,000	59,000
Benzo(a)anthracene	<b>2.4</b>	0.015	0.129	0.634	<0.008	<b>2.63</b>	0.096	0.866	0.711	0.489	<b>2.97</b>	0.882	<0.008	1.1 <sup>b</sup>	---	170	---	2	8
Benzo(a)pyrene	<b>2.55</b>	<0.015	0.117	0.681	<0.015	<b>2.55</b>	0.075	<b>1.4</b>	1.05	0.638	<b>2.76</b>	1.1	<0.015	1.3 <sup>b</sup>	---	17	---	8	82
Benzo(b)fluoranthene	<b>2.96</b>	<0.011	0.217	1.19	<0.011	<b>3.52</b>	0.103	<b>2.91</b>	1.21	0.835	<b>3.87</b>	<b>1.7</b>	<0.011	1.5 <sup>b</sup>	---	170	---	5	25
Benzo(g,h,i)perylene	2.34	0.336	<0.025	0.314	<0.025	1.11	0.243	0.718	0.523	0.389	1.08	0.676	<0.025	2,300 <sup>a</sup>	---	61,000 <sup>a</sup>	---	27,000 <sup>a</sup>	130,000 <sup>a</sup>
Benzo(k)fluoranthene	1.06	<0.011	0.043	0.322	<0.011	1.07	0.031	0.611	0.535	0.272	1.22	0.485	<0.011	9	---	1,700	---	49	250
Chrysene	2.04	<0.050	0.857	0.522	<0.050	2.35	0.135	1.08	0.869	0.513	2.85	1.04	<0.050	88	---	17,000	---	160	800
Dibenzo(a,h)anthracene	<b>0.464</b>	<0.020	<0.020	0.087	<0.020	<b>0.307</b>	<0.020	<0.110	<0.110	0.083	<b>0.3</b>	0.161	<0.020	0.2 <sup>b</sup>	---	17	---	2	7.6
Fluoranthene	4.96	0.068	0.122	1	<0.050	6.12	0.325	1.84	2.6	1.14	10.7	2.55	<0.050	3,100	---	82,000	---	4,300	21,000
Fluorene	0.122	<0.033	0.629	1.05	<0.033	0.279	0.072	<0.136	0.726	0.041	0.286	<0.033	<0.033	3,100	---	82,000	---	560	2,800
Indeno(1,2,3-cd)pyrene	<b>1.76</b>	0.15	<0.025	0.273	<0.025	<b>1.08</b>	0.152	0.606	0.392	0.339	<b>1.01</b>	0.571	<0.025	0.86 <sup>b</sup>	---	170	---	14	69
Naphthalene	0.058	<0.050	0.128	0.296	<0.050	0.114	0.493	0.367	0.215	0.093	0.094	0.135	<0.050	1,600	170	4,100	1.8	12	18
Phenanthrene	1.65	0.035	1.36	2.89	0.093	2.23	0.261	1.29	2.22	0.426	1.86	1.1	<0.033	2,300 <sup>a</sup>	---	61,000 <sup>a</sup>	---	200 <sup>a</sup>	1,000 <sup>a</sup>
Pyrene	4.46	0.056	1.03	1.57	<0.050	5.59	0.308	2.43	3.67	1.03	9.93	2.53	<0.050	2,300	---	61,000	---	4,200	21,000
TPH-DRO	811	379	NS	196,000	1,180	14,100	1,300	45,400	40,000	3,020	7,220	15,400	1,130	---	---	---	---	---	---
TPH-GRO	<1.0	<1.0	NS	53	<1.0	<2.0	0.135	<1.0	9.8	<1.0	0.16	2.1	<1.0	---	---	---	---	---	---

**NOTES**

All concentrations listed in mg/kg (ppm).  
Tier 1 SROs from 35 IAC 742, Appendix B, Tables A and B.  
PNA samples analyzed pursuant to SW-846 USEPA Method 8270C.  
"<" indicates that analyte was not detected at stated detection limit.  
"---" indicates value not available in 35 IAC 742.  
"NS" indicates "Not Sampled" for that parameter.  
**Bolded / Shaded** print indicates analyte exceeded Tier 1 SRO.  
<sup>a</sup>Tier 1 SRO from IEPA issued "Chemicals not in TACO Tier 1 Tables (revised 1/6/09)  
<sup>b</sup>Tier 1 SRO from 35 IAC 742, Appendix A, Table H.

**Table 6**  
Soil Analytical Results  
RCRA Metals  
2727 S. Troy St. / Chicago, Illinois

Sample ID	B-1	B-1	B-2	B-2	B-2	B-3	B-3	B-4	B-4	B-5	B-5	B-6	B-6	Tier 1 SROs					
	(3-6)	(6-9)	(0-3)	(3-6)	(6-9)	(0-3)	(9-12)	(3-6)	(6-9)	(0-3)	(3-6)	(0-3)	(3-6)	Residential		Construction Worker		Migration to Groundwater <sup>a</sup>	
	Sample Date	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	2/26/10	Ingestion	Inhalation	Ingestion	Inhalation	Class I
pH	7.34	7.5	7.23	7.6	7.63	8.06	7.86	8.52	8.36	10.3	11.5	8.3	10.5	--	--	--	--	--	--
Cyanide	<0.1	<0.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1,600	--	4,100	--	40	120
Aluminum	16,600	11,400	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--
Antimony	<1.0	<1.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	31	---	82	--	5	20
Arsenic	7.4	12.2	7.8	6.4	8.1	4	9.2	<b>18.8</b>	7.8	<b>18.1</b>	5.2	5.6	10.8	13	750	61	25,000	29	120
Barium	63.7	55.7	76.3	68.4	50.6	65.9	39	84	60	169	74.3	78.5	174	5,500	690,000	14,000	870,000	1,700	1,700
Beryllium	1.3	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	160	1,300	410	44,000	140	17,000
Cadmium	0.8	0.8	0.9	0.7	0.6	1.3	0.5	1.3	0.5	1.6	0.4	0.8	0.5	78	1,800	200	59,000	11	110
Calcium	17,300	85,600	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--
Chromium	28.2	19.6	18.7	26.6	20.2	<b>41.7</b>	19.1	11.2	24.2	<b>52.2</b>	10.1	14.7	<b>30.7</b>	230	270	4,100	690	21	--
Cobalt	18.1	15.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4,700	--	12,000	--	--	--
Copper	44.8	33	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,900	--	8,200	--	200,000	200,000
Iron	37,300	31,300	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--
Lead	28.7	16.5	<b>1,260</b>	62.6	13.6	51.6	15.3	73.4	27.1	<b>454</b>	<b>210</b>	<b>177</b>	95.5	400	--	700	--	107	1,420
TCLP Lead <sup>b</sup>	NS	NS	<b>4.11<sup>b</sup></b>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	0.0075 <sup>b</sup>	0.100 <sup>b</sup>
Magnesium	13,400	25,100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	325,000	--	730,000	--	--	--
Manganese	382	1,020	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1,600	69,000	4,100	8,700	--	--
Nickel	49.1	39.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1,600	13,000	4,100	440,000	180	3,500
Potassium	2,500	3,270	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--
Selenium	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	390	--	1,000	--	1.3	1.3
Silver	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.7	<0.1	<0.1	<0.1	390	--	1,000	--	13	--
Sodium	691	475	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	--	--
Thallium	<1.0	<1.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	6.3	--	160	--	3.0	30
Vanadium	37.2	26.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	550	--	1,400	--	980	--
Zinc	82.7	57.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	23,000	--	61,000	--	7,500	15,000
Mercury	<0.05	<0.05	<0.05	<0.05	<0.05	<b>0.22</b>	<0.05	<0.05	<0.05	<0.05	<b>0.11</b>	<b>0.11</b>	<b>0.42</b>	23	10	61	0.1	3.3	16

**NOTES**

All concentrations listed in mg/kg (ppm) except TCLP/SPLP results, denoted with 'b.'

Tier 1 SROs from 35 IAC 742, Appendix B, Tables A, B, C and D.

All samples analyzed pursuant to SW-846 USEPA Method 6010B/7470A.

"<" indicates that analyte was not detected at stated detection limit.

"--" indicates value not available in 35 IAC 742.

"NS" indicates "Not Sampled" for that parameter.

**Bold / Shaded** print indicates analyte exceeded Tier 1 SRO.

<sup>a</sup> Most restrictive value corresponding to detected pH range of 6.9 - 9.0 shown.

Detected levels compared to actual pH-specific Tier 1 SRO for each parameter.

<sup>b</sup> Values in mg/L.

**Table 6**  
Soil Analytical Results  
RCRA Metals  
2727 S. Troy St. / Chicago, Illinois

Sample ID	B-7 (0-3)	B-7 (3-6)	B-8 (0-3)	B-8 (3-6)	B-8 (9-12)	B-9 (0-3)	B-9 (6-9)	B-10 (0-3)	B-10 (6-9)	B-11 (0-3)	B-11 (3-6)	B-12 (0-3)	B-12 (6-9)	Tier 1 SROs					
														Residential		Construction Worker		Migration to Groundwater <sup>a</sup>	
														Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
pH	9.32	8.12	5.66	7.85	8.08	11.0	9.31	7.47	7.99	9.1	11.3	7.88	7.72	--	--	--	--	--	--
Cyanide	NS	NS	NS	NS	NS	NS	NS	0.24	<0.1	NS	NS	NS	NS	1,600	--	4,100	--	40	120
Aluminum	NS	NS	NS	NS	NS	NS	NS	7,350	9,010	NS	NS	NS	NS	--	--	--	--	--	--
Antimony	NS	NS	NS	NS	NS	NS	NS	<1.0	1.4	NS	NS	NS	NS	31	---	82	--	5	20
Arsenic	3.6	6.5	3.5	6.3	6.6	2.7	6.4	5.2	7.1	9.6	4.6	7.1	8.4	13	750	61	25,000	29	120
Barium	84	31.5	51.8	30.7	35	52	54.7	48.4	82	103	50.1	87.9	65.3	5,500	690,000	14,000	870,000	1,700	1,700
Beryllium	NS	NS	NS	NS	NS	NS	NS	0.7	1.2	NS	NS	NS	NS	160	1,300	410	44,000	140	17,000
Cadmium	0.8	0.6	0.8	1.2	0.5	0.6	0.5	1.1	1	1.7	0.7	1.7	0.6	78	1,800	200	59,000	11	110
Calcium	NS	NS	NS	NS	NS	NS	NS	77,200	45,400	NS	NS	NS	NS	--	--	--	--	--	--
Chromium	10.1	20	19.8	18.7	17.2	7.8	18.1	19.2	16	<b>22.6</b>	13.5	16	28.3	230	270	4,100	690	21	--
Cobalt	NS	NS	NS	NS	NS	NS	NS	5.1	8.2	NS	NS	NS	NS	4,700	--	12,000	--	--	--
Copper	NS	NS	NS	NS	NS	NS	NS	122	50.6	NS	NS	NS	NS	2,900	--	8,200	--	200,000	200,000
Iron	NS	NS	NS	NS	NS	NS	NS	33,000	19,900	NS	NS	NS	NS	--	--	--	--	--	--
Lead	141	31	<b>57.9</b>	36.2	12	58.6	26.9	<b>531</b>	96.3	87.4	75.6	<b>947</b>	25.8	400	--	700	--	107	1,420
TCLP Lead <sup>b</sup>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--	--	--	--	0.0075 <sup>b</sup>	0.100 <sup>b</sup>
Magnesium	NS	NS	NS	NS	NS	NS	NS	45,000	23,500	NS	NS	NS	NS	325,000	--	730,000	--	--	--
Manganese	NS	NS	NS	NS	NS	NS	NS	1,030	185	NS	NS	NS	NS	1,600	69,000	4,100	8,700	--	--
Nickel	NS	NS	NS	NS	NS	NS	NS	16.6	24.5	NS	NS	NS	NS	1,600	13,000	4,100	440,000	180	3,500
Potassium	NS	NS	NS	NS	NS	NS	NS	1,360	2,600	NS	NS	NS	NS	--	--	--	--	--	--
Selenium	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	390	--	1,000	--	1.3	1.3
Silver	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	390	--	1,000	--	13	--
Sodium	NS	NS	NS	NS	NS	NS	NS	871	468	NS	NS	NS	NS	--	--	--	--	--	--
Thallium	NS	NS	NS	NS	NS	NS	NS	<1.0	<1.0	NS	NS	NS	NS	6.3	--	160	--	3.0	30
Vanadium	NS	NS	NS	NS	NS	NS	NS	24.3	22.7	NS	NS	NS	NS	550	--	1,400	--	980	--
Zinc	NS	NS	NS	NS	NS	NS	NS	145	127	NS	NS	NS	NS	23,000	--	61,000	--	7,500	15,000
Mercury	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<b>0.31</b>	<b>0.12</b>	<0.05	23	10	61	0.1	3.3	16

**NOTES**

All concentrations listed in mg/kg (ppm) except TCLP/SPLP results, denoted with 'b.'

Tier 1 SROs from 35 IAC 742, Appendix B, Tables A, B, C and D.

All samples analyzed pursuant to SW-846 USEPA Method 6010B/7470A.

"<" indicates that analyte was not detected at stated detection limit.

"--" indicates value not available in 35 IAC 742.

"NS" indicates "Not Sampled" for that parameter.

**Bold / Shaded** print indicates analyte exceeded Tier 1 SRO.

<sup>a</sup> Most restrictive value corresponding to detected pH range of 6.9 - 9.0 shown.

Detected levels compared to actual pH-specific Tier 1 SRO for each parameter.

<sup>b</sup> Values in mg/L.

**Table 7**  
Groundwater Analytical Results  
VOCs  
2727 S. Troy St. / Chicago, Illinois

Sample ID	MW-1	MW-2	MW-3	Tier 1 GROs	
				Class I	Class II
Sample Date	3/10/10	3/10/10	3/10/10		
1,1,1-Trichloroethane	<0.005	<0.005	<0.005	0.2	1.0
1,1,2,2-Tetrachloroethane	<0.005	<0.005	<0.005	0.42 <sup>a</sup>	0.42 <sup>a</sup>
1,1,2-Trichloroethane	<0.005	<0.005	<0.005	0.005	0.05
1,1-Dichloroethane	<0.005	<0.005	<0.005	0.7	3.5
1,1-Dichloroethene	<0.005	<0.005	<0.005	0.007	0.035
1,2-Dichloroethane	<0.005	<0.005	<0.005	0.005	0.025
1,2-Dichloropropane	<0.005	<0.005	<0.005	0.005	0.025
2-Butanone	0.029	<0.005	<0.005	--	--
2-Hexanone	<0.005	<0.005	<0.005	--	--
Acetone	<0.050	<0.050	<0.050	6.3	6.3
Benzene	<0.0006	<0.0006	<0.0006	0.005	0.025
Bromodichloromethane	<0.0002	<0.0002	<0.0002	0.0002	0.0002
Bromoform	<0.002	<0.002	<0.002	0.001	0.001
Bromomethane	<0.005	<0.005	<0.005	0.0098	0.049
Carbon disulfide	<0.005	<0.005	<0.005	0.7	3.5
Carbon tetrachloride	<0.005	<0.005	<0.005	0.005	0.025
Chlorobenzene	<0.005	<0.005	<0.005	0.1	0.5
Chloroethane	<0.005	<0.005	<0.005	--	--
Chloroform	<0.005	<0.005	<0.005	0.0002	0.001
Chloromethane	<0.005	<0.005	<0.005	--	--
cis-1,2-Dichloroethene	<0.005	<0.005	0.007	0.07	0.20
cis & trans-1,3-Dichloropropene	<0.004	<0.004	<0.004	0.001	0.005
Dibromochloromethane	<0.005	<0.005	<0.005	0.14	0.14
Ethylbenzene	<0.005	<0.005	<0.005	0.7	1.0
4-Methyl-2-pentanone (MIBK)	0.197	<0.005	<0.005	--	--
Methylene chloride	<0.005	<0.005	<0.005	0.005	0.050
Methyl tert-butyl ether	<0.005	<0.005	<0.005	0.07	0.07
Styrene	<0.005	<0.005	<0.005	0.1	0.5
Tetrachloroethene	0.002	<0.0007	0.002	0.005	0.025
Toluene	<0.005	<0.005	<0.005	1.0	2.5
trans-1,2-Dichloroethene	<0.005	<0.005	<0.005	0.1	0.5
Trichloroethene	<0.001	<0.001	0.002	0.005	0.025
Vinyl chloride	<0.002	<0.002	<b>0.008</b>	0.002	0.01
Xylenes, Total	<0.005	<0.005	<0.005	10.0	10.0

**NOTES**

All concentrations listed in mg/L (ppm).

Tier 1 GROs from 35 IAC 742, Appendix B, Table E.

All samples analyzed pursuant to SW-846 USEPA Method 8260B.

"<" indicates that analyte was not detected at stated detection limit.

"--" indicates value not available in 35 IAC 742.

"NS" denotes Not Sampled for that parameter.

**Bold** print indicates analyte exceeded Tier 1 GRO.

<sup>a</sup>Tier I GRO from IEPA issued "Chemicals not in TACO Tier I Tables" (revised 1/6/09)

**Table 8**  
Groundwater Analytical Results  
SVOCs  
2727 S. Troy St. / Chicago, Illinois

Sample ID	MW-1	Tier 1 GROs	
		Class I	Class II
Sample Date	3/10/10		
1,2,4-Trichlorobenzene	<0.012	0.070	0.700
1,2-Dichlorobenzene	<0.010	0.600	1.500
1,3-Dichlorobenzene	<0.010	--	--
1,4-Dichlorobenzene	<0.010	0.075	0.375
2,4,5-Trichlorophenol	<0.010	0.700	0.700
2,4,6-Trichlorophenol	<0.010	0.010	0.010
2,4-Dichlorophenol	<0.010	0.021	0.021
2,4-Dimethylphenol	<0.010	0.140	0.140
2,4-Dinitrophenol	<0.010	0.014	0.014
2,4-Dinitrotoluene	<0.003	0.00002	0.00002
2,6-Dinitrotoluene	<0.003	0.00031	0.00031
2-Chloronaphthalene	<0.012	0.56 <sup>a</sup>	2.8 <sup>a</sup>
2-Chlorophenol	<0.010	0.035	0.035
2-Methylnaphthalene	<0.012	--	--
2-Methylphenol	<0.011	0.350	0.350
2-Nitroaniline	<0.050	0.021 <sup>a</sup>	0.021 <sup>a</sup>
2-Nitrophenol	<0.013	--	--
3,3'- Dichlorobenzidine	<0.020	0.020	0.100
4-Methylphenol	<0.010	0.035 <sup>a</sup>	0.035 <sup>a</sup>
3-Nitroaniline	<0.050	0.0021 <sup>a</sup>	0.0021 <sup>a</sup>
4,6-Dinitro-2-methylphenol	<0.050	--	--
4-Bromophenyl phenyl ether	<0.010	--	--
4-Chloro-3-methylphenol	<0.020	--	--
4-Chloroaniline	<0.020	0.028	0.028
4-Chlorophenyl phenyl ether	<0.010	--	--
4-Nitroaniline	<0.020	0.021 <sup>a</sup>	0.021 <sup>a</sup>
4-Nitrophenol	<0.050	--	--
Benzyl alcohol	<0.020	3.5 <sup>a</sup>	3.5 <sup>a</sup>
Bis(2-chloroethoxy)methane	<0.010	--	--
Bis(2-chloroethyl)ether	<0.010	0.010	0.010
Bis(2-chloroisopropyl)ether	<0.010	--	--
Bis(2-ethylhexyl) phthalate	<0.005	0.006	0.060
Butyl benzyl phthalate	<0.010	1.400	7.000
Carbazole	<0.010	--	--
Dibenzofuran	<0.010	--	--
Diethyl phthalate	<0.010	5.600	5.600
Dimethyl phthalate	<0.050	--	--
Di-n-butyl phthalate	<0.011	0.700	3.500
Di-n-octyl phthalate	<0.010	0.140	0.700
Hexachlorobenzene	<0.003	0.00006	0.0003
Hexachlorobutadiene	<0.011	0.007 <sup>a</sup>	0.035 <sup>a</sup>
Hexachlorocyclopentadiene	<0.012	0.050	0.500
Hexachloroethane	<0.005	0.007	0.035
Isophorone	<0.010	1.400	1.400
Nitrobenzene	<0.012	0.0035	0.0035
N-Nitrosodi-n-propylamine	<0.002	0.0018	0.0018
N-Nitrosodiphenylamine	<0.004	0.0032	0.016
Pentachlorophenol	<0.0025	0.001	0.005
Phenol	<0.010	0.100	0.100

**NOTES**

All concentrations listed in mg/L (ppm).

Tier 1 GROs from 35 IAC 742, Appendix B, Table E.

All samples analyzed pursuant to SW-846 USEPA Method 8270C.

"<" indicates that analyte was not detected at stated detection limit.

"--" indicates value not available in 35 IAC 742.

Blank cells indicate sample not analyzed for that parameter.

**Bold** print indicates analyte exceeded Tier 1 GRO.

<sup>a</sup>Tier 1 GRO from IEPA issued "Chemicals not in TACO Tier 1 Tables" (revised 1/6/09)

**Table 9**  
 Groundwater Analytical Results  
 PCBs / Pesticides  
 2727 S. Troy St. / Chicago, Illinois

Sample ID	MW-1	Tier 1 GROs	
		Class I	Class II
Sample Date	3/10/10		
Aroclor 1016	<0.0008	0.0005	0.0025
Aroclor 1221	<0.0008	0.0005	0.0025
Aroclor 1232	<0.0008	0.0005	0.0025
Aroclor 1242	<0.0008	0.0005	0.0025
Aroclor 1248	<0.0008	0.0005	0.0025
Aroclor 1254	<0.0016	0.0005	0.0025
Aroclor 1260	<0.0016	0.0005	0.0025
4-4'-DDD	<0.00016	0.0140	0.0700
4,4'-DDE	<0.00016	0.0100	0.0500
4,4'-DDT	<0.00016	0.0060	0.0300
Aldrin	<0.00008	0.0140	0.0700
alpha-BHC	<0.00008	0.00011	0.00055
beta-BHC	<0.00008	--	--
Chlordane	<0.00008	0.0020	0.0100
delta-BHC	<0.00008	--	--
Dieldrin	<0.00016	0.0090	0.0450
Endosulfan (I & II)	<0.00024	0.0420	0.2100
Endosulfan sulfate	<0.00016	--	--
Endrin	<0.00016	0.0020	0.0100
Endrin aldehyde	<0.00016	--	--
Endrin ketone	<0.00016	--	--
gamma-BHC (Lindane)	<0.00008	0.0002	0.0010
Heptachlor	<0.00008	0.0004	0.002
Heptachlor epoxide	<0.00008	--	--
Methoxychlor	<0.0008	0.04	0.2
Toxaphene	<0.00016	0.003	0.015

**NOTES**

All concentrations listed in mg/L (ppm).

Tier 1 GROs from 35 IAC 742, Appendix B, Table E.

All samples analyzed pursuant to SW-846 USEPA Methods 8081A/8082.

"<" indicates that analyte was not detected at stated detection limit.

"--" indicates value not available in 35 IAC 742.

Blank cells indicate sample not analyzed for that parameter.

**Bold** print indicates analyte exceeded Tier 1 GRO.



**Table 10**  
 Groundwater Analytical Results  
 Herbicides  
 2727 S. Troy St. / Chicago, Illinois

Sample ID	MW-1	Tier 1 GROs	
Sample Date	3/10/10	Class I	Class II
2,4,5-T	<0.00005	--	--
2,4,5-TP (Silvex)	<0.00005	0.05	0.25
2,4-D	<0.0001	0.07	0.35
Dalapon	<1.0	0.20	2.0
Dinoseb	<0.0002	0.007	0.07
Picloram	<0.0001	0.50	5.0

**NOTES**

All concentrations listed in mg/L (ppm).

Tier 1 GROs from 35 IAC 742, Appendix B, Table E.

All samples analyzed pursuant to SW-846 USEPA Methods 8151A.

"<" indicates that analyte was not detected at stated detection limit.

"--" indicates value not available in 35 IAC 742.

Blank cells indicate sample not analyzed for that parameter.

**Bold** print indicates analyte exceeded Tier 1 GRO.

**Table 11**  
Groundwater Analytical Results  
PNAs  
2727 S. Troy St. / Chicago, Illinois

Sample ID	MW-1	MW-2	MW-3	Tier 1 GROs	
				Class I	Class II
Acenaphthene	<0.010	<0.001	<0.001	0.42	2.1
Acenaphthylene	<0.010	<0.001	<0.001	0.21 <sup>a</sup>	1.05 <sup>a</sup>
Anthracene	<0.010	<0.0005	<0.0005	2.1	10.5
Benz(a)anthracene	<0.002	<0.0001	<0.0001	0.00013	0.00065
Benzo(a)pyrene	<0.003	<0.0002	<0.0002	0.0002	0.0020
Benzo(b)fluoranthene	<0.002	<0.00018	<0.00018	0.00018	0.00090
Benzo(g,h,i)perylene	<0.010	<0.0003	<0.0003	0.21 <sup>a</sup>	1.05 <sup>a</sup>
Benzo(k)fluoranthene	<0.005	<0.00017	<0.00017	0.00017	0.00085
Chrysene	<0.003	<0.0002	<0.0002	0.0015	0.0075
Dibenz(a,h)anthracene	<0.010	<0.0002	<0.0002	0.0003	0.0015
Fluoranthene	<0.010	<0.0002	<0.0002	0.2800	1.4000
Fluorene	<0.010	<0.002	<0.002	0.2800	1.4000
Indeno(1,2,3-cd)pyrene	<0.010	<0.0003	<0.0003	0.00043	0.00215
Naphthalene	<0.012	<0.001	<0.001	0.14	0.22
Phenanthrene	<0.010	<0.0005	<0.0005	0.21 <sup>a</sup>	1.05 <sup>a</sup>
Pyrene	<0.010	<0.0002	<0.0002	0.21	1.05

**NOTES**

All concentrations listed in mg/L (ppm).

Tier 1 GROs from 35 IAC 742, Appendix B, Table E.

All samples analyzed pursuant to SW-846 USEPA Method 8270C.

"<" indicates that analyte was not detected at stated detection limit.

"--" indicates value not available in 35 IAC 742.

**Bolded / Shaded** print indicates analyte exceeded Tier 1 GRO.

<sup>a</sup>Tier I GRO from IEPA issued "Chemicals not in TACO Tier I Tables" (revised 1/6/09)

**Table 12**  
Groundwater Analytical Results  
RCRA Metals  
2727 S. Troy St. / Chicago, Illinois

Sample ID	MW-1	MW-2	MW-3	Tier 1 GROs	
				Class I	Class II
Sample Date	3/10/10	3/10/10	3/10/10		
Aluminum	1.07	NS	NS	3.5 <sup>a</sup>	5 <sup>a</sup>
Antimony	<0.006	NS	NS	0.006	0.024
Arsenic	0.015	<0.002	0.009	0.050	0.200
Barium	0.094	0.035	0.061	2.0	2.0
Beryllium	<0.001	<0.001	<0.001	0.004	0.500
Cadmium	<0.001	<0.001	<0.001	0.005	0.050
Calcium	158	NS	NS	--	--
Chromium	0.005	<0.001	<0.001	0.10	1.0
Cobalt	0.006	NS	NS	1.0	1.0
Copper	0.006	NS	NS	0.650	0.650
Cyanide	<0.005	NS	NS	--	--
Iron	3.88	NS	NS	5.0	5.0
Lead	<b>0.012</b>	<0.002	<0.002	0.0075	0.1000
Magnesium	93.1	NS	NS	--	--
Manganese	<b>0.226</b>	NS	NS	0.15	10.0
Mercury	<0.0005	<0.0005	<0.0005	0.002	0.010
Nickel	0.038	NS	NS	0.100	2.0
Potassium	7.5	NS	NS	--	--
Selenium	<0.002	<0.002	<0.002	0.050	0.050
Silver	0.002	<0.001	<0.001	0.050	--
Sodium	170	NS	NS	--	--
Thallium	<0.002	NS	NS	0.002	0.020
Vanadium	<0.01	NS	NS	0.049	0.100
Zinc	0.019	NS	NS	5.0	10.0

**NOTES**

All concentrations listed in mg/L (ppm).

Tier 1 GROs from 35 IAC 742, Appendix B, Table E.

Samples analyzed pursuant to Method SW6010B/7470A (Method 9010B/9014 for cyanide).

"<" indicates that analyte was not detected at stated detection limit.

"--" indicates value not available in 35 IAC 742.

"NS" denotes Not Sampled for that parameter.

**Bold / Shaded** print indicates analyte exceeded Tier 1 GRO.

<sup>a</sup>Tier I GRO from IEPA issued "Chemicals not in TACO Tier I Tables" (revised 1/6/09)